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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 hosting services to DigiCert, that for its Symantec 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 business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in the applicable versions of its DigiCert Certification Practices Statement for Symantec Trust Network (STN) and DigiCert Certificate Policy for Symantec Trust Network (STN) enumerated in [Attachment A](#)
- maintained effective controls to provide reasonable assurance that:
 - DigiCert's Certification Practice Statement is consistent with its Certificate Policy; and
 - DigiCert provides its services in accordance with its Certificate Policy and Certification Practice Statement
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated; and
 - subordinate CA certificate requests are accurate, authenticated, and approved
- 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

based on the [WebTrust Principles and Criteria for Certification Authorities v2.1](#). 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.

DigiCert does not escrow its CA keys, does not provide Integrated Circuit Card Lifestyle Management services to subscribers, and does not provide certificate suspension services. Accordingly, our examination did not extend to controls that would address those criteria.

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 judgment, 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.

This report does not include any representation as to the quality of DigiCert's or Verisign's services other than its Symantec 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 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 to 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 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=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G3	009B7E0649A33E62B 9D5EE90487129EF57	13:2D:0D:45:53:4B:69:97:C D:B2:D5:C3:39:E2:55:76:6 0:9B:5C:C6	EB:04:CF:5E:B1:F3:9A:FA: 76:2F:2B:B1:20:F2:96:CB:A 5:20:C1:B9:7D:B1:58:95:65 :B8:1C:B9:A1:7B:72:44
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 1 Public Primary Certification Authority - G3	008B5B75568454850 B00CFAF3848CEB1A4	20:42:85:DC:F7:EB:76:41:9 5:57:8E:13:6B:D4:B7:D1:E9 :8E:46:A5	CB:B5:AF:18:5E:94:2A:24: 02:F9:EA:CB:C0:ED:5B:B8: 76:EE:A3:C1:22:36:23:DO:0 4:47:E4:F3:BA:55:4B:65
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2007 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G4	2F80FE238C0E220F4 86712289187ACB3	22:D5:D8:DF:8F:02:31:D1: 8D:F7:9D:B7:CF:8A:2D:64: C9:3F:6C:3A	69:DD:D7:EA:90:BB:57:C9: 3E:13:5D:C8:5E:A6:FC:D5: 48:0B:60:32:39:BD:C4:54:F C:75:8B:2A:26:CF:7F:79
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Public Primary Certification Authority - G6	65637185D36F45C68 F7F31F909879282	26:A1:6C:23:5A:24:72:22:9 B:23:62:80:25:BC:80:97:C8 :85:24:A1	B3:23:96:74:64:53:44:2F:3 5:3E:61:62:92:BB:20:BB:A A:5D:23:B5:46:45:0F:DB:9 C:54:B8:38:61:67:D5:29
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	401AC46421B313210 30EBBE4121AC51D	36:79:CA:35:66:87:72:30:4 D:30:A5:FB:87:3B:0F:A7:7 B:B7:0D:54	23:99:56:11:27:A5:71:25:D E:8C:EF:EA:61:0D:DF:2F:A 0:78:B5:C8:06:7F:4E:82:82 :90:BF:B8:60:E8:4B:3C
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Public Primary Certification Authority - G6	64829EFC371E745DF C97FF97C8B1FF41	40:B3:31:A0:E9:BF:E8:55:B C:39:93:CA:70:4F:4E:C2:5 1:D4:1D:8F	CB:62:7D:18:B5:8A:D5:6D: DE:33:1A:30:45:6B:C6:5C: 60:1A:4E:9B:18:DE:DC:EA: 08:E7:DA:AA:07:81:5F:F0
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	18DAD19E267DE8BB4 A2158CDCC6B3B4A	4E:B6:D5:78:49:9B:1C:CF: 5F:58:1E:AD:56:BE:3D:9B: 67:44:A5:E5	9A:CF:AB:7E:43:C8:D8:80: D0:6B:26:2A:94:DE:EE:E4: B4:65:99:89:C3:D0:CA:F1: 9B:AF:64:05:E4:1A:B7:DF
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 1 Public Primary Certification Authority - G6	243275F21D2FD2093 3F7B46ACAD0F398	51:7F:61:1E:29:91:6B:53:8 2:FB:72:E7:44:D9:8D:C3:C C:53:6D:64	9D:19:0B:2E:31:45:66:68:5 B:E8:A8:89:E2:7A:A8:C7:D 7:AE:1D:8A:AD:DB:A3:C1:E C:F9:D2:48:63:CD:34:B9
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Public Primary Certification Authority - G4	4C79B59A289C76316 4F58944D09102DE	58:D5:2D:B9:33:01:A4:FD: 29:1A:8C:96:45:A0:8F:EE:7 F:52:92:82	53:DF:DF:A4:E2:97:FC:FE: 07:59:4E:8C:62:D5:B8:AB: 06:B3:2C:75:49:F3:8A:16:3 0:94:FD:64:29:D5:DA:43
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 2 Public Primary Certification Authority - G3	6170CB498C5F98452 9E7B0A6D9505B7A	61:EF:43:D7:7F:CA:D4:61: 51:BC:98:E0:C3:59:12:AF:9 F:EB:63:11	92:A9:D9:83:3F:E1:94:4D:B 3:66:E8:BF:AE:7A:95:B6:48 :0C:2D:6C:6C:2A:1B:E6:5D :42:36:B6:08:FC:A1:BB
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI ECC Root - G1	0E23CC37AC7466480 F6B1A4B01831698	65:91:04:DA:A4:04:93:26:2 1:5A:5D:26:31:52:70:D9:A A:BD:16:1D	92:BB:72:F1:5E:B7:5D:E4:6 7:C8:4B:43:81:81:03:4B:D A:E9:A0:16:EC:26:43:4B:EE :3C:9B:BA:D8:CD:8A:F0



C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Public Primary Certification Authority - G4	34176512403BB7568 02D80CB7955A61E	67:24:90:2E:48:01:B0:22:9 6:40:10:46:B4:B1:67:2C:A9 :75:FD:2B	FE:86:3D:08:22:FE:7A:23:5 3:FA:48:4D:59:24:E8:75:65 :6D:3D:C9:FB:58:77:1F:6F: 61:6F:9D:57:1B:C5:92
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI RSA Root - G1	2D9AD0E39DBD2DAE 835F446FBB64FD28	77:08:8D:6A:EF:B6:19:1D: E4:1F:68:85:93:9A:AE:F9:E C:6C:73:1C	F6:BB:5B:79:85:A8:73:65:9 4:C1:46:79:FA:31:60:38:14 :50:2A:AE:B5:F4:28:2A:69: 98:5D:C8:4A:45:07:77
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 1 Public Primary Certification Authority - G4	216E33A5CBD388A46 F2907B4273CC4D8	84:F2:E3:DD:83:13:3E:A9:1 D:19:52:7F:02:D7:29:BF:C1 :5F:E6:67	36:3F:3C:84:9E:AB:03:B0: A2:A0:F6:36:D7:B8:6D:04: D3:AC:7F:CF:E2:6A:0A:91: 21:AB:97:95:F6:E1:76:DF

Cross Signed CAs				
Issuer	Subject	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G3	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	217A65CF638175 37E03332833A42 CCD7	14:49:AF:AF:83:6F:A6 :6C:40:53:49:88:F3:D F:C7:62:8E:BD:78:6A	D9:BC:97:3F:88:90:96 :96:DA:10:83:31:97:9 4:4C:A5:8A:C4:A8:88: 47:77:9C:91:33:37:42 :67:10:0E:EC:58
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	C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2007 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G4	6611549AD086E3 98912FFBBF74D1 D85F	3C:C7:4E:31:65:51:C9 :7E:18:39:D1:00:08:8 2:9C:9D:BF:24:C2:47	61:43:6A:4E:D6:3E:31 :F2:2E:EF:AC:26:B5:2 5:79:6C:F5:EB:F8:9A: 77:E7:3C:0A:DC:C8:4 D:E9:79:B1:C5:E0
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	C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	1A55C0C60F0F26 F6489BA6CDA98D 2425	43:6A:8A:70:3D:44:93 :23:8C:45:73:1C:09:4 1:5C:2A:9A:4B:41:F9	FB:2B:D3:59:81:44:35 :6D:CB:D2:B2:59:E8:F 3:EB:DO:B0:F6:EE:18: 0C:15:EF:55:3B:82:D1 :99:EF:07:F3:9A
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	C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	4B0BCEB194B330 FB0E366DBBA0C8 773E	45:06:F9:BA:E3:4B:6D :0A:CC:60:1A:94:78:A D:3C:80:E8:0B:A0:82	15:12:DF:AE:DF:91:53 :FF:AC:B7:0B:C8:05:B A:32:CB:6F:9C:B3:DO: 95:B6:4E:66:59:E6:52 :C3:CA:33:5A:32
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2006 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary	C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI RSA Root - G1	7A6FC74D8D350A FBFA2138241FE7 ED96	55:4F:29:93:DD:09:91 :80:98:3E:46:07:52:0 C:DD:86:1F:EC:48:E0	C4:9A:A6:D4:F3:5A:83 :3B:8B:0E:1E:29:97:C F:5A:C2:8C:93:4F:BA: D3:CF:EB:EF:5C:45:FB :0A:DA:B1:01:35



Certification Authority - G5				
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	C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	2445A1BD977380B5F40C4550B8716D0A	6E:B8:B6:28:D6:24:97:A6:62:4F:C4:C5:59:CF:66:25:DF:71:74:C4	C9:D8:9E:C4:FC:9C:AC:1E:49:43:22:94:E8:A7:AA:30:11:7A:B3:E4:E0:19:9B:9E:29:7D:6B:E1:0F:C6:E2:DF
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	C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI ECC Root - G1	24B2C4743976887AAAC9E9D55B043F5C	A2:BA:17:BE:03:BA:63:CA:EA:30:5B:0E:A3:9D:BB:73:76:97:F2:11	F5:65:03:9D:13:92:07:80:1F:87:34:D3:57:E7:CA:1D:A1:A6:29:FB:48:DC:2E:FD:EA:08:E5:16:F6:3F:B2:61
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI RSA Root - G1	0F8752C22E2E7631AD31FB4A2D3485CA	F4:54:6C:31:25:BA:AB:DC:31:AD:50:B9:99:41:AA:BA:77:B5:14:49	92:DB:39:46:47:CF:E1:22:57:3A:99:E4:9D:94:D9:A1:F6:41:2E:A3:A0:4D:78:B4:4A:50:44:C4:02:11:0A:CE
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	C=US, O=DigiCert, Inc, OU=www.digicert.com, CN=DigiCert Universal Transition Root	7708008661C2F26765BD4DDAC7940E2F	02:9E:ED:AF:52:BC:5B:84:8C:30:E5:13:6F:52:1D:6D:3D:E4:2D:FB	88:A0:70:73:D4:52:70:69:DC:9E:97:80:53:F3:57:29:70:5C:05:83:02:64:8E:D0:2E:5F:CE:65:61:45:9E:61
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2007 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G4	C=US, O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Global Root G3	3DCD5F225EA4C96D4B9094A02D2B56C6	1C:C4:C0:AA:35:4F:1F:77:18:6F:8C:02:9D:7A:94:93:8D:07:21:3F	53:A5:E3:2A:CC:57:14:ED:20:C7:77:8C:65:5D:1E:E9:7E:C0:71:56:07:4C:8B:01:6E:2C:FC:73:E9:D2:71:2B
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2007 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G4	C=US, O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Transition ECC Root	79C67041B4623204394DD042FB6E9680	27:B0:F3:7B:DB:63:66:25:8E:7C:C2:05:88:CF:8A:D6:A7:C9:27:28	DB:98:19:4E:55:B9:36:D2:6E:6C:B3:F4:60:A2:62:EB:6C:A6:63:37:E7:BF:F1:7A:0B:FC:08:32:51:F6:36:26
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2006 VeriSign, Inc. - For authorized use only,	C=US, O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Transition RSA Root	78AEA431C15CEB757B0D8A610A748E67	2E:B0:1A:16:D5:5D:26:04:90:20:68:73:D6:D0:3F:38:EC:A8:31:89	0D:88:90:0D:BB:68:C6:CA:54:71:F6:53:FC:AC:D4:07:EB:D7:B1:51:90:46:F9:E0:B8:CE:D3:C2:74:FD:11:A1



CN=VeriSign Class 3 Public Primary Certification Authority - G5				
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G3	C=US, O=DigiCert, Inc, OU=www.digicert.com, CN=DigiCert Transition Root G3	718F6D6990A6294B6A4BDC8DE6C69144	8C:45:33:1F:9C:FA:3D:B2:BB:A5:E7:58:59:56:FA:74:98:90:04:56	0F:57:B9:6F:A7:B3:12:47:EC:39:CB:30:7D:38:CA:2B:F3:B2:9F:54:AF:D5:0A:35:1D:18:53:35:29:51:7B:46
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	C=US, O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Global Root G2	63180D38FB809778A9D035A31618F840	E9:95:EF:91:26:8D:E1:5C:A2:2C:0C:74:CB:E9:2E:B6:C8:31:48:7E	2D:4F:AD:34:55:AB:61:39:74:01:AB:BB:51:89:22:F8:43:36:B6:7E:02:FC:8D:2D:B2:83:82:5C:4A:B9:81:BB

Class 1, 2, and 3 CA	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
C=CN, O=TrustAsia Technologies, Inc., OU=Domain Validated SSL, CN=TrustAsia ECC DV CA - G9	6DFF21109CB0A35940A7850D70B97913	36:28:72:EA:6F:16:23:5A:90:0D:90:60:40:2B:38:15:A9:C0:E6:05	15:7D:3A:B9:9D:C5:1A:C9:F5:F4:F1:0C:43:C6:85:42:AC:6B:16:23:63:8F:1D:51:1E:8E:EA:11:C4:88:E9:08
C=CN, O=TrustAsia Technologies, Inc., OU=Domain Validated SSL, CN=TrustAsia RSA DV CA - G8	2638DC5EB7C68D30A2D6E83F00479896	3F:B1:7D:9F:02:58:EA:BD:4F:AC:04:E7:74:52:5F:58:C1:0F:56:D3	D6:4C:1E:38:CB:68:A4:63:62:37:9A:33:2E:5E:D3:D8:A8:44:36:65:E6:25:1A:19:B1:40:53:BE:03:03:34:51
C=DE, O=CertCenter AG, OU=Domain Validated SSL, CN=AlwaysOnSSL Web PKI RSA DV CA - G1	59F3D4B279D2174E1285655811AFC A44	22:75:26:FB:3D:48:31:FB:BE:F1:29:D5:BF:16:FB:E2:B3:0A:0D:4B	47:9A:91:F6:93:68:BE:C9:B4:D8:A6:92:EF:D9:38:D1:E9:48:C7:33:30:2E:E0:B9:C4:90:06:F3:62:F6:65:88
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO Web PKI RSA DV CA - G1	2917D03AE05D392A44980C52A4364666	2E:FF:07:98:88:33:08:AB:1F:C7:49:79:A6:9F:8B:9B:41:68:8F:C3	A3:EC:7D:8B:BB:8B:9F:99:28:7B:CA:4C:AC:67:A4:65:01:D5:43:24:AC:B6:A0:78:15:14:ED:D5:11:B1:9E:BE
C=NL, O=Trust Provider B.V., OU=Domain Validated SSL, CN=Trust Provider B.V. Web PKI RSA DV CA - G1	2F355878F925737BC7DE3924D0166BF6	E4:50:45:FB:13:6A:4B:2E:0F:50:E6:40:60:08:7F:46:26:C4:F0:A4	67:FF:03:C0:C0:1D:1F:01:D4:00:6E:B8:69:B4:53:F1:15:AE:48:EC:B7:51:7F:29:C3:0C:D0:1A:FE:76:F4:95
C=US, O=eGlobalCustody, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA,	0FD3403B949A16DC4AC62177650A86B0	31:E5:E1:FD:D2:4E:9D:59:86:A2:E0:70:CA:EE:41:B8:AA:79:53:57	7C:BA:89:74:C6:4C:34:2A:BB:7D:29:D6:AC:28:1A:00:2A:61:A9:A9:31:88:87:8B:A3:7D:CB:BC:D2:6C:B8:6F



CN=eGlobalCustody G3 CA			
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust Class 3 Web PKI RSA DV CA - G1	6BD1C36F56DEA9062692F147D2A13172	21:C1:C9:A0:78:C8:39:43:1B:7C:69:7A:5E:9F:3F:30:DB:F7:C2:E0	7D:EC:B7:88:02:94:C6:81:D6:19:79:53:4C:1C:2F:1D:88:AD:FA:AE:8A:57:33:CD:2D:B6:73:0E:05:E2:A5:47
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=RapidSSL Class 3 Web PKI RSA DV CA - G1	4238AE5F4CB56A05D042A983076CA1DF	84:A0:AF:53:56:B6:B8:C6:15:8A:4A:58:27:5E:A9:45:C1:B9:CE:49	4B:04:99:89:E0:34:CC:16:F5:86:24:7B:0D:38:78:95:0F:39:38:2E:28:E1:10:87:42:0B:AF:2B:6F:27:D6:79
C=US, O=GeoTrust Inc., OU=Extended Validation SSL, CN=GeoTrust Class 3 Web PKI RSA EV CA - G1	75206CABFB5ED21CD96AE287809DC45A	B5:43:0C:91:AA:71:FA:08:E5:72:DA:AF:C8:36:14:28:77:FF:63:C0	E8:41:E1:36:D3:85:3D:E0:C9:B8:D3:A7:01:66:AD:EE:A9:76:7B:F0:94:2E:C8:B1:8A:18:06:DB:A8:72:04:C2
C=US, O=GeoTrust Inc., OU=Organization Validated SSL, CN=GeoTrust Class 3 Web PKI RSA OV CA - G1	630B2556A1B073D08791A6645CD678C7	43:A9:74:9E:9A:AC:D7:C2:8B:E6:51:25:30:DA:86:FC:94:51:72:24	E5:7B:96:72:61:9D:2C:58:C6:80:5A:2A:05:8C:8A:2C:3E:41:8E:33:7F:95:8E:26:65:BB:1C:F6:DD:2E:D0:41
C=US, O=GeoTrust Inc., OU=Organization Validated SSL, CN=RapidSSL Class 3 Web PKI RSA OV CA - G1	7D9D7433209EE758C08D90AC0E0A9AC4	1C:5A:60:C9:8B:00:45:F9:A4:0F:C0:54:FE:1C:DD:F0:B4:CA:16:D9	8A:8F:5C:E1:DD:74:54:0A:8A:57:49:38:93:1F:22:7B:D6:E3:12:65:6E:7D:F6:BC:6E:3A:0E:B3:D8:90:35:20
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=GeoTrust Class 3 Web PKI ECC DV CA - G1	2C9F3029BAD05E04FC544C59EAF11F58	40:28:7C:56:06:AC:90:A2:80:B3:09:EE:FD:6B:26:F8:55:E6:53:4A	C5:EC:25:5A:B5:9D:A0:91:F5:87:B9:CE:14:61:BD:D6:3A:7D:56:41:1E:49:9F:24:FD:9C:5E:1C:FA:8A:3F:E0
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=RapidSSL Class 3 Web PKI ECC DV CA - G1	3DB5DD80037303208E099E6A6BFEC4E8	5D:13:A1:73:E6:79:63:84:84:A7:B4:0C:EB:B3:02:9F:AE:B3:C2:70	CE:A2:3A:E9:7F:B7:3D:36:AA:D2:56:0A:B7:73:0A:1E:9D:7C:21:C0:8E:80:0C:2B:05:33:C9:67:30:EF:DE:92
C=US, O=GeoTrust, Inc., OU=Extended Validation SSL, CN=GeoTrust Class 3 Web PKI ECC EV CA - G1	120B49D5FFBFB59C2519F83452EED709	35:F1:AF:D5:BD:00:46:B9:6E:92:C4:1C:BB:1C:8D:04:55:15:6F:BF	6A:67:55:BA:10:DC:5D:5E:AE:9B:EE:C7:AC:E8:D9:73:DE:53:D3:D1:85:01:74:D4:E0:2E:C2:33:63:E1:2C:C8
C=US, O=GeoTrust, Inc., OU=Organization Validated SSL, CN=GeoTrust Class 3 Web PKI ECC OV CA - G1	1B3E2E1EB2F6BACAD366B3C21DEB85E6	16:E1:E3:4B:AE:7E:95:87:EB:AC:53:6D:1A:9B:6E:D8:43:3F:91:A9	3C:4A:B6:84:92:BC:0D:76:AA:06:DE:99:61:DF:25:77:4C:9E:F2:6C:AF:71:22:D3:99:2E:B8:B2:FA:31:35:49
C=US, O=Oracle Corporation, OU=Symantec Trust Network, OU=Organization Validated SSL, CN=Oracle Web PKI RSA OV CA - G1	056B9C903E1D3C76585B94E106C97E69	8A:74:0F:49:39:A1:58:EE:08:05:5F:4B:D5:47:3E:52:6F:D5:7F:08	70:BA:89:67:F6:92:26:9B:0E:40:08:DA:12:54:D3:7E:A9:FA:02:FC:1A:EB:A7:C4:AA:C2:20:3D:A4:81:79:65



C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Signing ECC Intermediate CA	4C6D6420F4F4D2853682CBC32029E D56	3C:AE:55:86:B2:5F:AA:D3:73:E3:ED:FF:C9:16:E8:D1:F3:DB:EA:C3	FD:02:51:0C:EC:14:5E:52:66:86:04:82:DD:4C:32:86:09:C1:A7:88:AF:3F:CB:10:A0:96:78:DE:30:F4:6B:95
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Secure Server CA - G4	13B3E302180397668D5034E0E674E2 8D	44:9E:3B:9F:21:04:A9:64:09:32:6D:A6:F2:9B:B4:E8:46:9B:EF:D4	59:F8:CB:7D:7E:9E:13:CB:77:8F:F6:21:98:EB:E0:55:51:B5:15:A5:8B:BB:A2:EF:19:C3:3C:76:0C:82:39:16
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Class 3 Web PKI ECC DV CA - G1	6B618A9D16D8319D28664473244F0 D23	E5:DC:C3:E5:75:33:17:8B:DA:98:4F:6D:6F:0A:B6:70:61:F4:0D:2F	5C:69:E8:2F:B2:48:F8:0B:5E:43:14:B9:D2:C4:88:3E:D1:4F:5A:06:D5:8F:10:9F:33:50:0E:86:DD:C0:73:8F
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Class 3 Web PKI RSA DV CA - G1	4EC6830D3861A32857D7449444EDC D32	0E:E1:0E:D9:94:EE:2D:7F:1E:F7:B7:63:D1:B9:DF:57:0D:F5:C5:94	4D:F2:95:46:78:93:5B:E7:E8:0A:E9:05:11:30:4B:08:FA:04:FF:40:BD:DA:69:CE:E3:33:DA:80:C1:3A:D3:10
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Extended Validation SSL, CN=Symantec Class 3 Web PKI ECC EV CA - G1	20044AAC18E52902F25460385F9D8 BEF	EE:C5:84:18:DB:F2:79:31:DE:5A:F4:1B:B3:17:DF:47:9D:AF:3C:BE	B1:3F:9D:19:08:2D:8C:D7:CD:1B:EB:0A:B7:C2:45:ED:25:2F:21:AE:2A:30:16:3E:91:B6:E8:BE:2E:0E:96:14
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Extended Validation SSL, CN=Symantec Class 3 Web PKI RSA EV CA - G1	0B6B506566F67A8403D970B717925 2CE	BF:63:51:0D:A8:C9:7D:DF:D6:4A:67:68:57:A6:B9:51:22:EE:62:2F	87:B8:50:BD:37:15:C0:10:4B:5E:C9:D5:E8:0B:FE:78:85:0A:AE:41:25:55:9B:BC:DD:E0:85:24:97:0B:5A:FF
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Organization Validated SSL, CN=Symantec Class 3 Web PKI ECC OV CA - G1	50A33F08D1763AF0B88226270141B F02	6C:83:88:18:D8:25:5E:D2:31:13:05:AA:EA:80:0F:7D:2A:C8:65:CB	ED:34:8B:62:45:A3:C1:90:2C:7F:8E:F7:CC:A8:CF:05:4B:94:B8:F1:8C:D7:8A:A7:9A:36:BF:9C:32:99:82:6A
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Organization Validated SSL, CN=Symantec Class 3 Web PKI RSA OV CA - G1	7DAF5A80682E3077C1A2B3135D731 DF6	AE:0C:B2:38:63:48:AF:85:AE:78:C0:3E:5E:E4:6B:F4:A3:CF:F0:69	A5:A6:B2:EF:89:14:26:EA:B0:F6:10:6B:2B:0B:13:2D:01:A1:CE:C5:20:08:5F:80:64:59:05:94:9B:D3:28:6A



C=US, O=thawte, Inc., OU=Domain Validated SSL, CN=thawte Class 3 Web PKI ECC DV CA - G1	5F7894773C4212D3802A98932ECAA 304	C6:0C:7E:F6:65:37:48:B4:A 6:47:26:93:89:50:60:F2:12 :26:61:86	3E:86:87:28:08:2E:19:9B:7 7:3E:DF:91:EB:3E:B9:73:6A :E7:E2:BC:68:7E:42:BA:35: A2:B5:8F:DE:55:6C:82
C=US, O=thawte, Inc., OU=Domain Validated SSL, CN=thawte Class 3 Web PKI RSA DV CA - G1	1C60F646DBD731A3C3A8720F2DD5E 873	13:47:6F:79:21:50:D1:E7:9 1:9B:36:7C:E2:17:E5:6D:F3 :2E:19:6C	FA:AE:92:82:05:90:F2:D8: DB:52:1C:20:C9:EF:4B:53: CF:DF:3C:07:C9:0E:17:6A: D9:13:DA:CF:E9:54:81:ED
C=US, O=thawte, Inc., OU=Extended Validation SSL, CN=thawte Class 3 Web PKI ECC EV CA - G1	42CA5B1F1CD66F8D525FD4D4845D4 DD4	52:78:7E:18:6C:FA:34:05:B 3:7F:19:F0:D9:DC:9B:AB:0 8:70:33:99	94:AC:33:E6:72:91:4F:A5:8 B:BE:64:4A:58:29:36:79:C8 :8E:8A:5E:40:BB:08:FF:F1: CD:9C:37:EE:81:FC:94
C=US, O=thawte, Inc., OU=Extended Validation SSL, CN=thawte Class 3 Web PKI RSA EV CA - G1	1AC917AC8164CCB4BEE32A2140CF4 450	55:5F:F7:DF:34:78:09:B7:6 3:07:48:D5:66:E9:C7:5E:EF :55:C2:1E	B0:DA:8C:71:E8:52:0E:CF: 3B:9F:A9:3D:AE:E2:F8:C6: DC:D2:5C:1F:7B:8C:02:47: 9D:BA:52:23:B6:B0:91:84
C=US, O=thawte, Inc., OU=Organization Validated SSL, CN=thawte Class 3 Web PKI ECC OV CA - G1	4DB3F20FD367B04731C8AE8B22CAF BF2	CB:3A:FF:9E:C5:F0:00:7E: CB:7A:09:1F:DD:14:93:C9: BA:53:5C:EB	90:C9:EA:1E:92:A1:C8:5E: 37:CB:2A:2F:BF:74:CC:5E: 96:15:AA:19:07:55:ED:E8:E A:6C:7B:AE:33:F1:83:30
C=US, O=thawte, Inc., OU=Organization Validated SSL, CN=thawte Class 3 Web PKI RSA OV CA - G1	29464C5CE523DAC758DA2D917E0A7 FE5	42:94:5E:B7:60:55:EF:B6:4 6:93:08:0B:71:C7:01:DC:35 :F4:BF:10	FE:62:99:E9:D2:12:CA:34:6 B:54:DD:1A:69:4A:E8:4B:4 3:4A:63:A8:C3:E6:2C:61:E 4:67:73:C8:8D:D8:2F:8E
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Code Signing 2010 CA	490EA5686468F1C09F0CFE2FFE300F 26	4E:D5:0C:FA:AB:E6:AD:09: F0:CC:6A:F8:7E:07:DC:11: 9D:B8:01:4C	F4:5C:03:B5:68:3E:3E:A8:F 0:AB:C5:F1:4E:74:9F:BB:F6 :32:76:65:96:D9:07:4B:00: 0D:68:B7:62:26:F7:A3
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Code Signing 2010 CA	2753F806FE9137322F5B409F1C3187 5C	BD:A4:3A:EB:B5:5D:57:A6: D4:44:5C:10:B0:53:B8:8F:F B:66:B6:82	D0:F9:0B:BF:6E:E8:62:9E:4 A:31:CF:DB:AA:22:02:E3:2 4:AF:2F:5F:45:69:67:DD:83 :CA:5B:36:84:C3:42:97
C=US, O=Wells Fargo & Company, OU=Symantec Trust Network, OU=Organization Validated TLS, CN=Wells Fargo Public Trust Certification Authority 01 G2	3F8B149DCFBEBE86553F6D78F4CD24E 571	86:14:15:06:B4:C3:61:C9:F C:DF:E5:71:7B:6B:19:76:15 :19:3B:44	8F:FC:B7:E2:35:33:0E:F0:A A:B9:19:DE:AF:C4:F5:E6:2 1:F6:6F:AE:DD:A2:D4:C1:2 5:6D:09:93:AE:24:EA:21
O=NamiTech, OU=VeriSign Trust Network, CN=NamiTech Class 2 CA	4D7184F87C2A1A73B8B768CB336C8 285	A0:CB:A9:F7:1A:1B:F8:2F: E8:3D:C5:5B:69:DD:C0:EE: 8F:E6:E4:28	0F:0C:18:C7:14:00:9C:A0:1 4:4B:4A:66:BE:74:A8:72:16 :0E:C8:26:A0:85:A4:3D:90: DF:16:4F:1E:9A:A2:19

C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign SC Class 2 Consumer Individual Subscriber CA - G2/emailAddress=e- sign@e-sign.cl	7C8E03F9357F8362E8B373992C3EF9 FD	2D:6C:22:6A:94:EF:D1:A2: CE:03:80:64:A1:A9:6C:7F:1 1:B9:5E:A6	72:F0:E3:B1:B8:CD:1A:86: BD:F7:D0:22:DA:41:31:C3: 02:29:3C:AE:82:0B:28:A5:9 7:BC:84:D0:41:B8:97:1D
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign SC Class 2 Consumer Individual Subscriber CA - G2/emailAddress=e- sign@e-sign.cl	29B2F39E5611CEFF2448D199098057 75	4D:8F:16:94:8C:5D:DB:F2: 03:9F:67:5E:CA:FA:3C:F3:2 9:41:56:E1	82:6C:D7:8F:27:47:94:CE:F E:BD:44:F2:BC:80:3E:B2:4 A:28:4A:2B:70:5A:44:0B:25 :17:CF:C4:A4:19:7D:E1
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign SC Class 2 Consumer Individual Subscriber CA - G2/emailAddress=e- sign@e-sign.cl	102D5543014F74C63101B999E22EC B4A	B5:41:6E:79:1D:5B:75:EB:F D:34:9D:50:A1:05:E0:62:D B:FB:0F:1C	8D:64:E1:14:E5:77:B3:54:2 F:79:6C:20:F1:2E:FD:A9:A D:9E:25:12:46:64:B3:5A:B9 :18:D2:9A:82:16:CE:0C
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign SC Class 2 Consumer Individual Subscriber CA - G2/emailAddress=e- sign@e-sign.cl	35B6528ECC9FD39066AE03F78E8BC 525	CF:0D:BF:2C:4B:DE:38:EA: 20:96:DF:A1:2F:18:A8:F4:8 5:72:C4:09	C3:4A:57:09:12:2D:C9:EA: F3:02:1B:97:9D:48:43:FB:B 4:1C:5B:24:32:6B:EC:E8:4 D:2F:68:66:75:A1:B6:EC
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign C2 Firma Electronica Avanzada Consumer Individual CA G2/emailAddress=e- sign@e-sign.cl	5E1E97BBAE21C18291935F12CF69E 86D	3A:E0:BE:CB:DD:BF:8C:2F: E6:F7:F8:3C:61:C8:D3:86:E 1:E1:EA:CD	52:A5:E3:12:87:A0:F8:91:5 9:F7:BB:4B:D3:A6:A2:70:D E:E5:83:A7:72:61:F6:D0:0D :D9:2D:8C:94:24:E8:00
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign C2 Firma Electronica Avanzada Consumer Individual CA G2/emailAddress=e- sign@e-sign.cl	521A5453E0C65DC8FF043526CC83F 7C9	B5:4E:DC:AE:45:16:FF:E9: A1:69:BC:AD:D8:08:25:4F: B0:A2:31:6F	97:A2:F7:AA:C9:46:EC:57: FD:EB:99:D3:4C:EB:0F:9E: 22:09:F7:0B:6C:36:85:E9:A E:4D:FE:89:B2:07:81:DC
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign C2 Firma Electronica Avanzada Consumer Individual CA G2/emailAddress=e- sign@e-sign.cl	2F6196C61E9593BAE37DD2C2580A2 DF1	BA:AA:9F:C1:2F:25:FD:F9: FA:C3:7A:16:AC:5E:0A:75: 93:F2:03:48	BE:4D:87:22:25:F0:13:B6:E 1:75:95:AA:29:F3:C0:B9:F8 :5C:40:3E:6C:9B:48:35:50: B0:69:E4:A2:F4:7B:FE
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign C2 Firma Electronica Avanzada Consumer Individual CA	481F645D2F635C49D43EF02067A4C ECC	C9:D6:84:3E:0E:2F:81:2F:C C:DC:52:B5:06:A2:F6:2B:2 7:BE:CB:B4	24:0A:25:1F:12:92:50:D1:9 8:82:D0:4D:38:C2:E1:1D:C 7:6A:88:01:53:AB:1A:87:55 :AA:96:22:08:C1:E3:E6

G2/emailAddress=e-sign@e-sign.cl			
C=IS, O=Advania, OU=Symantec Trust Network, CN=Advania SC Class 1 Consumer Individual Subscriber CA	1FF571F6E6AD0C8BA59CB2EB6635C42A	16:87:B7:ED:46:E9:8D:4E:4C:17:74:D0:A4:E2:70:A8:BF:B7:DE:93	93:88:0C:49:35:13:C5:75:C6:9D:E9:59:55:47:CB:65:0F:4F:A4:7F:B9:B7:28:18:F1:CE:99:47:6C:63:D5:94
C=IS, O=Advania, OU=Symantec Trust Network, CN=Advania SC Class 1 Consumer Individual Subscriber CA	3F16165226FC8DDAE25F9312196ECECF	BE:9D:8C:FD:0C:8C:50:BB:80:A3:0B:AB:BD:B8:90:32:58:9B:62:9C	7B:B3:40:02:3E:53:1A:0A:05:78:09:CE:CE:32:CF:CE:2E:8A:86:EF:68:EF:D5:7E:0F:4B:86:90:4E:E8:54:10
C=NL, O=Getronics PinkRocade Nederland B.V., OU=VeriSign Trust Network, CN=Getronics Class 2 CA	080132AB919E3E0C6F65B985C79596E8	77:20:27:50:95:38:00:93:3C:B6:27:29:27:AE:E2:EC:BB:EE:B6:66	E3:51:3D:BE:80:50:6D:EC:A0:BC:C6:31:66:8B:47:02:13:64:AB:BE:F9:9F:8B:99:89:FC:39:1D:66:17:83:D5
C=GB, O=British Telecommunications plc, OU=VeriSign Trust Network, CN=BT Class 2 CA - G2	0BDF8169F3686B1C5E8496BA30110E05	26:02:74:3E:F6:47:79:94:5F:7A:C7:A4:EA:E9:B9:45:F2:44:78:BB	A0:BD:4E:39:E6:FE:41:5F:8B:1A:BA:47:73:C3:EA:60:90:5E:D6:1F:8E:A2:78:75:C0:03:E9:A9:4D:44:1C:B6
C=GB, O=British Telecommunications plc, OU=VeriSign Trust Network, CN=BT Class 2 CA - G2	4EB52E47BC7B55E53B42F970B7C4AE9B	35:F0:56:7D:58:C0:F6:0C:7D:30:38:C0:13:44:1D:40:33:90:04:E3	4D:40:46:D0:7A:37:A5:A3:D9:61:D0:D6:20:53:BF:A3:95:4A:33:30:A5:75:8C:A8:29:25:D6:59:0B:D3:26:4A
C=KR, O=KECA, Inc., OU=VeriSign Trust Network, CN=CrossCert Class 2 CA - G2	3AE4A8A373B650CBBB40DDE62D1D5F69	9E:3F:79:C5:65:05:D0:D2:AD:98:8D:91:E7:8C:52:6C:39:B0:73:8D	AA:9F:4D:F6:96:C1:B5:E2:F6:56:66:32:9D:80:01:5C:3B:C6:5C:3F:40:1D:E6:9B:02:6B:43:7A:5C:F2:D5:CF
C=KR, O=KECA, Inc., OU=VeriSign Trust Network, CN=CrossCert Class 2 CA - G2	2E22716AEB5752B25EA0DE2AE115FF46	A7:B6:C4:D4:C1:19:EB:5F:08:E6:55:42:B9:7A:94:97:43:1A:63:F7	29:BF:73:46:19:88:9F:E3:C0:BE:53:5F:D6:67:6E:D3:00:D1:A8:A1:33:6E:DB:AF:8F:B8:72:36:3F:4A:25:5E
C=KR, O=KECA, Inc., OU=VeriSign Trust Network, CN=CrossCert Class 2 CA - G2	703A2C162CAFA9DBC3A188A7395E8F0E	C5:41:CB:4A:59:15:61:64:7D:37:27:05:AB:21:36:4E:32:B7:E1:52	6E:B2:C3:74:CD:ED:31:38:3E:C1:98:5D:57:58:F2:8D:52:F5:FD:A6:D7:6B:FF:8F:0D:BB:53:07:0B:A4:3F:FA
C=NL, O=KPN Telecom B.V., OU=VeriSign Trust Network, CN=KPN Telecom B.V. CA - G2	1E437EDD50F3441140C3F410E9767680	0C:FD:A3:FB:25:36:60:A6:2A:33:38:F6:BF:40:34:85:65:F6:55:5C	D8:DC:43:C4:C0:62:76:3B:DB:36:DB:72:57:39:FA:F4:50:83:63:FE:6F:15:8C:DA:47:4D:51:D7:19:C2:C2:22
C=NL, O=KPN Telecom B.V., OU=VeriSign Trust Network, CN=KPN Telecom B.V. CA - G2	430A664BB5BDF7772C32FB36A3C2A6F5	70:DA:4C:2B:46:67:93:55:6F:59:B1:57:0C:06:47:F2:DD:17:2A:14	04:83:2F:08:5D:97:CB:A8:43:F4:6D:65:0F:D6:F5:A7:E1:45:84:62:70:6E:BA:F9:E0:B9:E9:FE:FC:05:23:50
C=NL, O=KPN Telecom B.V., OU=VeriSign Trust Network, CN=KPN Telecom B.V. CA - G2	2457111EFD4BF3D56EF206A0CEE4773E	E5:81:29:4B:9C:42:66:AB:E0:DC:B0:78:6E:7E:3C:F2:9B:01:9B:96	26:F8:76:6C:E0:51:E7:CD:65:17:E9:2B:85:73:3C:47:51:17:76:57:78:88:4C:48:1C:79:EC:23:35:0A:BA:71
C=JP, O=VeriSign Japan K.K., OU=VeriSign Trust	2279D509FA0AF32863DE1136106F806A	79:3E:60:0B:6E:A5:76:5D:28:4E:1E:93:46:F9:9D:20:D6:05:B6:A4	C1:1C:ED:51:F8:6C:7A:16:76:08:93:C0:79:61:F3:29:7

Network, CN=VeriSign Japan Class 1 CA - G3			9:90:D3:2A:33:44:3F:C6:F C:1F:C5:42:EC:36:5D:75
C=JP, O=VeriSign Japan K.K., OU=VeriSign Trust Network, CN=VeriSign Japan Class 1 CA - G3	1B690380F135159D5CD73325F4A2271B	A0:B3:1A:D6:1C:C4:8B:08: AB:63:0B:0B:11:B6:08:46:4 C:A8:F8:1F	C8:C0:22:98:A4:BB:95:A7: 8C:39:43:C0:25:E8:44:CC: 23:9A:2D:53:C6:98:6F:45:6 E:9F:0B:34:D2:93:B5:78
C=JP, O=VeriSign Japan K.K., OU=VeriSign Trust Network, CN=VeriSign Japan Class 2 CA - G3	1A48723FEB737354E257A53EE0EB2A77	3A:37:20:C3:47:56:AB:C3: 5D:0E:F7:94:68:77:CC:FB:5 D:17:D9:D9	E5:0C:65:6D:87:E8:36:CD: 16:22:DC:16:E6:A4:8C:04: C0:16:5D:C3:FB:8D:F2:55: 6A:3C:B4:58:F7:25:E2:5C
O=CertiSur S.A., OU=VeriSign Trust Network, CN=CertiSur Class 2 CA - G2	56D1FDBA578C5C66FC127CFE1320B6A8	E5:99:69:23:CB:E0:B0:B6:E F:D1:5A:03:50:31:0E:31:B6 :05:BF:13	9D:3D:D9:1B:C6:2B:68:4F: F5:14:0C:17:E1:DF:AC:A8: 8A:5D:A9:E5:20:BF:64:FF: AC:6C:45:4A:EB:23:4C:AA
C=GR, O=ADACOM S.A., OU=VeriSign Trust Network, CN=ADACOM Class 2 CA - G3	3ED81FB8353FE34AF117CED43F81E923	C9:33:D8:28:96:5C:69:67: AF:6F:F3:72:90:0A:5F:B4:0 9:85:91:0C	12:FA:24:6B:C2:CF:80:4C: 3A:F6:FA:C7:11:79:47:B9:5 9:A1:B1:4B:FE:24:13:51:3C :E7:CA:16:DD:61:A6:ED
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, CN=E-Sign S.A. Class 2 CA - G2	2CE89700BD9947AFB02739AF8EB27920	2D:74:EC:F4:2F:46:00:EE:1 0:AA:3F:A2:9D:86:4B:E3:A 8:B7:18:11	F1:98:0F:99:B8:26:02:67:F 4:B7:29:5C:EA:F9:28:9A:E C:52:89:99:76:8B:58:7A:2C :4B:04:9A:D1:62:5B:7D
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, CN=E-Sign S.A. Class 2 CA - G2	6465C28835B94C3DD5D2AB206D7365FF	F8:0A:F4:D4:B8:94:E4:4A:2 3:56:A8:41:2E:51:B1:3F:6E :B4:CC:79	96:7F:3B:9A:49:DF:88:BA: 8A:0F:2B:B4:2F:28:B0:5C:E 2:7D:49:99:E3:14:51:EA:36 :A8:76:93:4F:6F:68:15
C=MK, O=KIBS AD Skopje, OU=VeriSign Trust Network, CN=KIBS Verba CA	5384BD646C75142637C29A603304E7D1	84:33:3D:76:44:8D:71:02:1 1:F9:86:AB:65:8D:8E:AA:B 5:2E:18:E0	5B:81:ED:0B:A1:66:EA:31: 84:8A:59:E5:AD:67:E9:6D: 88:74:A5:5F:11:2F:AF:BC:2 E:9E:64:CE:1B:9F:60:73
C=MK, O=KIBS AD Skopje, OU=VeriSign Trust Network, CN=KIBS Verba CA	5D606088B2BDF6A6790AA5B02AC455520	AC:BA:A2:8D:C8:CA:47:4C: 52:BF:88:76:1D:70:E3:8E:1 B:2B:FD:DD	DC:6D:1D:AF:47:5D:D1:16: 44:9F:DF:69:FE:8D:E7:10:6 9:88:54:29:2A:17:67:DC:73 :36:46:44:A5:B3:45:AE
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=VeriSign Trust Network, CN=S-TRUST Class 2 CA - G2	00D59E3AB1AB7BE0779189A4983B1014	79:B6:6B:3F:B7:A5:77:A6:B A:20:C8:68:2D:5C:8A:5B:4 6:C3:CB:46	7F:01:58:C3:4E:D4:6B:20:4 8:B9:FC:42:16:73:30:FB:F9 :14:E5:7C:61:2B:A1:20:81: 2D:6F:73:9B:0F:06:EC
C=ZA, O=Altech Card Solutions, OU=VeriSign Trust Network, CN=Altech Class 2 CA	7081CB20197433D37DD0D36367087048	38:34:3D:71:BC:DC:7E:64: 14:7D:B4:75:3F:33:C0:90:8 B:2F:1A:36	E1:15:05:8D:5C:83:D2:E3: BB:FB:F3:F4:6E:38:56:43:5 D:3F:6A:2E:71:3F:FD:26:98 :3B:D8:84:E5:21:C3:F9
C=ZA, O=Altech Card Solutions, OU=VeriSign Trust Network, CN=Altech Class 2 CA	3E921EF50D49515BB99CDFEE07580A0	9D:06:C5:44:91:07:12:B2:C 8:BF:CF:E1:2E:30:51:80:F2 :58:20:59	78:3D:2D:C8:CA:CA:DC:88: C4:64:A1:AF:E5:65:4B:7F:6 E:48:DE:91:47:B1:82:A7:28 :4E:BA:16:0C:2C:84:76
C=ZA, O=Altech Card Solutions, OU=VeriSign Trust Network, CN=Altech Class 2 CA	5DAA89035A5892948E4ACB7B1E67317B	D3:B4:00:66:1D:C5:B7:64: 31:C3:59:36:28:72:E3:A6:A 0:D7:EA:04	EE:3E:E6:A6:DA:54:7C:C4: 9D:FE:41:17:A2:38:AA:1C: 68:36:0F:D1:97:4F:0D:64:9 A:D1:CC:81:02:5F:67:CC
C=IS, O=Skyyr ltd, OU=VeriSign Trust	1B4518DD909AF897D3800560BC503CAA	0E:61:3C:87:96:F3:20:3B:D 0:7C:D9:BA:E3:3E:FE:6F:F 3:82:27:FA	77:A7:7C:C7:5E:FC:87:D5: CA:9E:49:38:3B:A2:0F:48:

Network, CN=Skysrr Class 2 CA - G2			D7:8E:5B:57:DF:3D:55:C9:61:B4:1D:7B:1D:A8:89:B3
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=VeriSign Trust Network, CN=S-TRUST Class 1 CA - G1	5CB77D193598B49A82562FD2D6A6CF08	F7:4E:F1:BC:EF:7E:9D:F3:96:59:D4:CD:58:75:C7:DD:E C:32:47:F9	A3:03:0D:FA:59:83:94:0D:6A:7A:F6:FB:BA:00:DA:A9:A5:B9:B2:EC:80:49:80:91:F E:C2:12:E8:4E:F8:A0:64
C=BR, O=Certisign Certificadora Digital S.A., OU=VeriSign Trust Network, CN=Certisign Class 2 CA - G2	06D0DA4D722CEAD0520A58522CF5DD62	CB:39:D3:0A:D2:3F:B5:BF:8E:73:48:6C:24:04:ED:3F:6 A:0C:A3:1E	88:CF:A8:C6:51:59:41:7F:BA:9B:53:60:FF:7C:47:81:DO :F1:A2:08:61:CC:5B:E2:99:77:AD:67:B7:6C:B0:40
C=IT, O=Trust Italia S.p.A., OU=VeriSign Trust Network, CN=Trust Italia Class 2 CA - G2	767D8CCBB2EF3E2DB902D530DDA3C499	C5:DA:6B:CB:55:4A:F3:B4:BD:AE:87:45:1E:A6:D1:3B:1C:95:37:04	20:8E:A4:F5:E8:F1:91:56:36:00:C7:38:2B:AF:77:E1:29 :1F:4D:EA:4C:3A:04:CF:DO :61:EC:C5:95:4E:1E:7D
C=MY, O=MSC Trustgate.com Sdn., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA - G2	5EF4A3C5109FF2ED77589A4913E47DAO	63:08:ED:4B:91:04:B8:88:7B:77:FA:09:55:E9:9A:6A:B8 :DD:22:FF	EA:CB:06:CB:B7:B2:51:C6:BF:46:4D:B4:B6:70:DC:CD: C9:25:4C:9A:F3:93:8C:11:0 C:EE:74:D0:0E:A0:A2:63
C=MY, O=MSC Trustgate.com Sdn., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA - G2	54F4E89C500793C7246ECD56EEB2194B	CE:A4:FD:ED:DC:15:90:78:0B:6C:22:BC:55:7D:03:C9:01:DC:5E:4C	5A:F4:C5:B2:DE:3A:D0:86:02:64:F6:3C:73:6D:E4:B9:0 8:97:D7:95:A4:82:23:62:4B :EB:E8:41:9F:D2:2C:F0
C=MY, O=MSC Trustgate.com Sdn., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA - G2	5EF7CC066B0419465DE55F3FA12FA36B	EF:AC:86:ED:86:28:F1:9E:9E:F8:9B:62:3D:DB:1E:C4:6 B:AA:65:3E	69:D4:55:F4:81:C2:BB:24:04:76:BD:FC:04:F2:5D:17:A F:7F:AD:E2:03:EE:C6:B3:1 9:10:A9:AA:4D:0A:86:D7
C=NL, O=KPN Corporate Market B.V., OU=Symantec Trust Network, CN=KPN Corporate Market Class 2 CA	405459531DD628E04ACC699971F3525A	05:17:7D:01:8C:5C:F4:EA:0D:FB:63:0A:0C:84:6F:50:E 8:D2:45:DF	1A:ED:19:D0:E4:F6:30:58:B1:7F:FE:2A:55:29:75:F0:3 F:CB:DE:83:67:B2:87:17:1E :57:58:68:BE:14:F9:38
C=NL, O=KPN Corporate Market B.V., OU=Symantec Trust Network, CN=KPN Corporate Market Class 2 Certification Authority	5BD112D34816C86150F17D87E5CB9E7E	43:88:93:25:A6:C1:E5:88:21:EB:48:48:27:86:26:CE:67 :C6:0C:45	77:82:F8:63:50:19:E0:2E:5B:71:B2:74:F5:77:8A:F4:71 :7E:BE:B1:62:BD:C5:4B:D5:23:47:74:B2:29:69:BD
C=NL, O=KPN Corporate Market B.V., OU=Symantec Trust Network, CN=KPN Corporate Market Class 2 Certification Authority	071B783CCC8DD5FE6D2175BC5BAD8384	61:65:E3:9A:FD:11:A0:FA:4F:1B:A9:F6:44:AE:DD:BB:F A:6F:8D:4A	F4:E2:0D:17:1A:AA:61:E1:D8:EE:B3:51:79:CA:77:CD:0C:C5:7B:EB:B3:C8:60:E5: B9:22:2A:6D:B3:CA:E1:B4
C=JP, O=VeriSign Japan K.K., OU=Symantec Trust Network,	0ACA5B0F1446A6428FCDF1A1F053550FF	14:D1:97:18:18:4D:B6:64:74:60:60:53:6F:79:4A:0F:AA :68:EF:52	9C:EB:C0:30:75:0F:1A:1B:AD:C0:6C:99:85:58:AE:20:

CN=VeriSign Japan Class 1 CA - G5			9D:FC:CA:68:A8:0D:38:C1:61:A8:5D:C5:AF:68:DD:48
C=JP, O=VeriSign Japan K.K., OU=Symantec Trust Network, CN=VeriSign Japan Class 1 CA - G5	6C5CAF3D3850ABA66F386AD0BD02D339	45:F1:F3:A9:CB:46:F7:80:40:46:9E:A1:7C:EC:59:4D:0F:16:A4:63	41:AA:85:FB:17:77:70:92:F6:F7:04:ED:1C:17:BF:13:8A:64:3E:43:BA:8B:26:04:4A:67:D0:63:33:C0:06:6C
C=JP, O=VeriSign Japan K.K., OU=Symantec Trust Network, CN=VeriSign Japan Class 1 CA - G5	022F53359D5D4557517DAABE8415C869	E9:67:20:A7:06:3E:0C:28:8D:73:C3:39:91:72:09:87:37:AD:80:5F	02:E9:E3:23:CD:6F:98:37:40:79:52:35:14:C3:78:3A:C1:00:3A:B8:0A:BC:BA:0E:E2:25:8C:41:8E:AC:44:CC
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=Symantec Trust Network, CN=S-TRUST Class 2 CA - G6	4FDEA54D9E8E89980EE475DCD9C85F9A	07:5D:9B:A0:26:47:00:08:4B:C7:83:F5:7E:0D:69:1E:E3:69:35:B7	E5:C0:DD:B7:F5:CE:0B:C0:A6:BF:AB:6F:B3:32:25:18:CF:F3:0C:1D:7A:CC:88:A1:60:C0:60:13:21:86:CB:BE
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=Symantec Trust Network, CN=S-TRUST Class 2 CA - G6	3CBBAD0218B471168A007D987C6BB4C3	0B:95:A9:D9:E1:CD:80:09:A5:D8:50:80:7F:B4:C3:6F:1E:F7:D2:32	F4:E8:C1:38:E4:2C:8F:63:37:5A:F6:68:90:92:13:33:6C:5C:9E:D7:2A:A8:1C:3B:64:1D:1F:68:AA:9A:B8:3A
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Japan Class 1 CA	3577B35465B20991A390EAEA4556D610	79:6B:FC:3C:FA:55:A4:8A:4F:01:A8:55:C0:6A:E8:34:B2:85:AF:97	D6:A3:57:4E:4C:2A:A2:D1:53:97:D5:A9:BE:FC:F8:38:09:10:CC:01:48:BA:B8:6A:0B:9F:F4:0E:26:59:BC:E8
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Japan Class 1 CA	0F2CA41C5939E9E3B070BBC97ECCF02D	D4:58:B0:D0:BE:19:2F:7A:F6:B1:22:74:80:29:56:F4:1B:41:A5:AA	50:77:79:7A:18:15:E4:82:87:38:58:98:61:89:08:BD:7E:D1:82:D0:37:25:F0:3B:02:F1:3B:FF:D6:65:2F:6A
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Japan Class 2 CA	226AA5C3AFefa2198745E44AA532AC9D	63:30:55:F1:9B:7F:89:D2:14:C6:B1:B3:66:5C:5E:AC:C0:8A:5F:C8	AB:62:A0:A1:DE:53:BA:06:E7:71:43:8E:5D:05:26:D3:D8:B0:23:53:30:C6:5A:A4:BF:80:D8:55:90:8E:2D:C4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Japan Class 2 CA	05926C5994BBE474AE3D441BB7BE82FB	D8:DF:58:53:9E:55:6F:7E:F1B:BC:53:80:3F:62:F2:07:46:09:78	8C:82:B7:6F:CA:9C:ED:6A:0C:6A:7B:31:41:CC:B5:85:EC:94:19:21:EC:0B:33:D9:56:CB:29:07:18:51:C7:D9
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=Symantec Trust Network, CN=S-TRUST Class 2 CA - G3	4FDE25B6CA38C79CE5E5298FCC6C5A45	B2:8D:84:57:8F:7F:7E:6F:B2:CB:81:63:67:5D:5C:16:F6:52:27:4F	85:65:A2:A0:D4:41:0B:84:D2:53:F5:A1:3A:F7:A0:97:A6:4B:1E:C7:1F:70:07:CD:27:11:36:B5:32:FE:11:13
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=Symantec Trust Network, CN=S-TRUST Class 2 CA - G3	766999BE5D370767E9A52BD667602199	C1:88:82:F7:60:D7:DE:3D:F7:09:8A:50:AA:54:84:AD:EA:4B:F3:8C	3A:E1:82:64:FA:23:03:9D:26:EE:2E:BD:F2:43:A2:0F:1B:65:6B:FF:33:0C:A4:4C:23:DD:DD:31:C9:60:ED:7D
C=GR, O=ADACOM S.A., OU=Symantec Trust	45EB11EE0ABB1E2FE85EAF9AADF4DEAA	74:9D:77:FF:54:A1:27:B0:53:EC:3F:5A:D7:96:3D:2A:48:07:5E:25	EC:28:78:2B:FD:B9:97:87:59:46:D0:78:C3:A9:C6:48:18:07:5E:25

Network, CN=ADACOM Class 2 CA - G4			D:34:D5:F7:75:D2:9F:0F:8 C:B8:00:10:C9:33:13:98
C=GR, O=ADACOM S.A., OU=Symantec Trust Network, CN=ADACOM Class 2 CA - G4	12D4699CE391AB25267C6C5D0A06F 9A6	F0:53:53:C0:36:8C:52:51:9 E:C9:8C:23:67:BD:C2:ED:0 D:5E:94:1D	4B:FA:DB:4E:B3:0D:4D:E9: 2B:C2:38:23:E9:50:E4:C4:8 E:86:D7:29:A1:1B:C7:6F:18 :79:0E:38:F3:4A:05:50
C=GB, O=British Telecommunications plc, OU=Symantec Trust Network, CN=BT Class 2 CA - G3	08E90B09364834EBFEF7E28C1C71D 40B	0C:75:87:14:AD:BA:F4:81: B1:51:19:8B:9F:13:E4:C2:8 4:F3:0C:EE	4F:D9:5A:FC:50:5C:1C:CB: 5A:DA:4B:A0:0B:04:94:56: FC:8F:7B:FB:73:AD:0C:1A: 9B:61:F2:F8:E8:EE:42:79
C=GB, O=British Telecommunications plc, OU=Symantec Trust Network, CN=BT Class 2 CA - G3	5908B3F251B1A87A71EEA2FE4D3BC BD4	A1:E6:EC:17:40:7A:C5:2D: 17:61:AD:D9:89:64:A3:00: EA:BA:56:52	AA:25:7A:6C:E4:A1:EB:7F: 6A:50:8B:50:37:D8:1D:E2:7 8:2C:8D:8A:EA:01:27:DE:1 E:31:15:02:18:BE:DA:75
C=IT, O=Trust Italia S.p.A., OU=Symantec Trust Network, CN=Trust Italia Class 2 CA - G3	27E25F64A358498B5ADCB6F4BAB48 2CC	19:73:0A:CC:86:96:B4:8F:3 1:88:58:ED:A0:81:20:2E:D B:BA:F4:92	50:40:F1:79:44:81:45:C3:E 9:62:9D:27:34:3D:34:01:DF :F9:07:C0:D0:80:7D:A4:AF: DB:B9:26:D6:6A:8C:09
C=IT, O=Trust Italia S.p.A., OU=Symantec Trust Network, CN=Trust Italia Class 2 CA - G3	011905A4A301D3D1D8C44425CA75E 7A7	6A:2B:D5:10:BD:91:1E:CC: 36:5A:FF:50:AC:E6:C5:22:7 0:DC:1F:0B	33:72:E8:E8:06:44:34:0E:8 B:A0:BA:CC:B2:AE:75:77:4 7:A6:CA:B8:97:79:47:AA:1 4:EC:88:38:F2:F0:1D:34
C=KR, O=KECA, Inc., OU=Symantec Trust Network, CN=CrossCert Class 2 CA - G3	026D89F34B990ACE5D09DAED298BF BB5	94:0C:89:C3:88:17:9B:D8:0 C:79:8B:6F:E8:91:AC:C3:E F:D7:D1:E5	3B:75:55:AE:65:31:2A:21:B 1:41:F6:10:28:8E:5F:53:3C :68:AB:0D:B5:FB:95:80:F3: 7E:B2:21:8D:0C:27:98
C=KR, O=KECA, Inc., OU=Symantec Trust Network, CN=CrossCert Class 2 CA - G3	72A2FDDE7F29E240DC8EF6416A654 991	AA:EC:64:21:0A:C9:18:79: E1:81:A8:AB:C9:0F:68:E4:0 A:B1:63:69	25:A0:B8:C9:77:3E:44:60:E 1:99:71:EF:78:1B:E8:1B:DB :77:04:ED:5E:48:6B:26:78: 66:A3:AB:6C:2C:0D:44
O=CertiSur S.A., OU=Symantec Trust Network, CN=CertiSur Class 2 CA - G3	02C1AEC63D80C5C5A4B821EB34CD2 DFF	DB:34:DC:36:48:59:F3:78:9 F:07:CE:5D:B0:C7:6C:BC:3 C:CE:D4:7A	04:1E:70:B7:DD:DD:0F:2F: 90:F2:85:C4:C7:1E:0E:20:5 3:33:12:A1:07:73:79:4A:21 :B5:79:1E:C8:75:59:58
C=BR, O=Certisign Certificadora Digital S.A., OU=Symantec Trust Network, CN=Certisign Class 2 CA - G3	2EC91F879ABEC179328CC7158D1C3 68C	01:1A:48:80:44:B2:38:9B:E 6:50:41:DD:6D:BB:92:F5:A 5:F1:6F:90	8E:7E:A2:58:F7:43:72:F8:8 E:0B:18:2F:A6:0B:7F:83:EC :FB:BB:6F:1F:FE:61:45:BF: 24:F7:44:16:CD:02:CC
C=BR, O=Certisign Certificadora Digital S.A., OU=Symantec Trust Network, CN=Certisign Class 2 CA - G3	5CCA628A48CC9399C60C0BF57CBB1 E11	71:EA:03:8D:25:AC:24:23: B3:3B:CD:00:A6:DB:2D:43: 60:26:5F:3C	01:1B:07:4C:1D:1D:22:A9: 27:40:65:97:AB:4E:51:14:F 5:C0:45:61:2E:C9:8C:C4:2 9:A1:A9:3E:19:86:E6:F6
C=MK, O=KIBS AD Skopje, OU=Symantec Trust Network, CN=KibsTrust Certification Authority	6021076ED028A75AE053EA334DC6C 611	19:0E:1B:A6:EB:89:9B:56:2 B:58:49:23:DF:9A:4E:C6:D 9:2D:3D:22	77:36:BC:50:A3:B0:63:48:A D:5D:C3:14:9D:2B:B5:3E:A 1:C7:66:38:10:61:DA:F4:A1 :8E:E9:9C:48:DD:D0:3B



C=MK, O=KIBS AD Skopje, OU=Symantec Trust Network, CN=KibsTrust Certification Authority	50195F99A1B56D1DDC496C769DED20F0	2B:74:BA:36:68:94:47:5A:A3:F0:0B:57:07:6D:A6:9B:98:BC:B4:14	FE:56:D8:42:A2:A2:B9:03:E0:50:97:14:80:E7:DE:A2:CD:85:E4:27:F3:67:15:0B:C4:49:C6:40:C3:B0:24:5B
C=NL, O=KPN B.V., OU=Symantec Trust Network, CN=KPN Class 2 CA	539D508A3DB120B241DBDBB69B878FCB	48:AA:4E:B4:B2:47:83:2C:C7:3C:6C:BE:2C:01:B1:01:F0:50:2B:CA	48:C9:B4:11:32:D8:B7:D9:1E:A0:52:BA:1B:D3:67:CD:AB:25:48:D5:97:95:C7:E0:F2:1A:E2:EE:89:E0:11:88
C=NL, O=KPN B.V., OU=Symantec Trust Network, CN=KPN Class 2 CA	56DEFDEABD703514F01C1907AA4B928D	F4:0B:30:7B:1D:63:5C:0D:8D:37:0F:8A:2C:AA:7C:03:2D:88:1C:0B	23:72:9A:AD:51:9F:B7:32:41:1B:AA:54:1E:EA:75:A6:47:13:EF:76:1A:FB:A1:C2:C3:CF:82:5D:29:D3:59:09
C=NL, O=KPN B.V., OU=Symantec Trust Network, CN=KPN Class 2 CA	6BD6D279D9DFD81269C41019BE8A8D82	D0:E0:D5:BA:4C:7F:06:32:F2:F7:05:E2:DB:E0:AC:76:E8:EC:8E:27	CA:BB:66:C9:75:78:19:62:D7:32:B9:31:2E:F3:90:8C:A3:ED:6F:5C:BB:76:D6:32:2E:5E:A2:B4:78:36:F4:D3
C=MY, O=MSC Trustgate.com Sdn. Bhd., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA-G3	11EDA4EC54391092DDC97BFDF95832C	18:71:21:4A:DD:16:B3:B7:8B:08:7A:35:AD:B7:A9:A0:57:0A:17:1D	88:5B:CC:EC:D1:40:02:A0:69:F5:7E:86:1F:69:19:C1:75:E7:91:C2:CA:60:5B:49:4D:D7:96:06:84:B3:A0:93
C=MY, O=MSC Trustgate.com Sdn. Bhd., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA-G3	35629FA5234394D5D2120C9F8F7C25E5	FE:C9:D4:25:9B:C0:87:58:A4:92:04:27:E1:5A:F2:FF:88:08:4B:FF	6A:03:92:DD:4B:5B:AA:F8:20:54:60:7F:CD:6F:51:C7:3E:72:6A:F4:44:E2:40:03:82:D7:5C:4F:D2:0C:2B:3F
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, CN=VeriSign Class 3 Secure Server CA - G2	1F532AFAF85493D7826B5930D6515940	44:32:01:47:89:47:51:13:62:BA:58:E2:25:3C:FD:98:3D:76:D3:24	0E:48:FE:8D:F7:98:36:EF:81:1C:61:B3:6E:A2:C5:47:05:31:AE:80:04:1D:B6:4D:29:B6:94:B4:A1:C1:BE:1F
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, CN=VeriSign Class 3 Secure Server CA - G2	2F006ECD177066E75FA3820A791F05AE	76:44:59:78:1B:AC:B0:47:63:A5:D0:A1:58:91:65:26:1F:29:8E:3B	0A:41:51:D5:E5:8B:84:B8:AC:E5:3A:5C:12:12:2A:C9:59:CD:69:91:FB:B3:8E:99:B5:76:C0:AB:DA:C3:58:14
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, CN=VeriSign Class 3 Managed PKI Administrator CA - G3	399F0AABA202BEA84D777CE127B83EDE	49:F6:DB:4F:C0:DD:60:75:8F:BA:33:0F:76:F4:D6:95:DF:56:2F:E8	57:1A:E2:E7:36:9F:B1:93:B4:BC:55:59:90:07:8B:B2:22:AA:10:37:28:59:8E:1E:FC:09:7A:7F:EB:77:97:2F
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.c	54B3765D515F9D0DEE49A7C0DA1FF5CA	1C:48:6D:AC:A6:15:29:EF:25:F8:DB:3B:49:4D:E2:F0:6C:A1:DD:7B	05:BD:D9:A7:C6:70:6D:39:D6:DB:1A:58:0A:AF:F6:7D:46:73:02:7B:6C:F0:1F:D1:53:67:D8:ED:84:A8:90:F0



om/rpa (c)11, CN=Symantec Class 3 Organizational CA - G2			
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11 , CN=Symantec Class 3 Organizational CA - G2	383AD93F4D4C6A2F1DB87486181A625B	51:42:61:ED:CD:64:E8:50:1C:81:39:0E:CO:AC:AA:93:2D:78:18:3C	F5:06:8C:42:93:A2:6A:0E:42:0D:02:AE:4B:EF:27:00:83:77:E3:E7:EC:D8:E5:CF:19:44:28:16:2E:3C:40:F4
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11 , CN=Symantec Class 3 Organizational CA - G2	1A9EF98C09DFB7F3D45486676718FEA6	7B:01:00:19:9F:0E:D0:F6:26:E0:B0:63:FE:2F:1A:41:EE:12:1B:72	DD:E4:BE:BF:26:2C:9D:8D:F5:CB:54:FE:4F:59:95:19:1E:AF:58:AD:CB:92:FE:5A:ED:31:28:AC:0D:19:16:C7
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Insatningsgaranti Service CA, CN=Symantec Class 3 Organizational CA - G3	71B16489BFDD39B7A34F3B2094C579E3	86:07:2C:CB:81:ED:8F:F4:73:63:D9:F3:5E:FD:65:C0:E4:06:FB:F6	CF:6F:24:FF:E4:8F:84:08:A7:5C:FA:DF:2B:65:F8:A4:E4:17:2F:3B:7C:24:C4:1B:5B:74:81:D2:40:18:19:7C
C=DK, O=APMM A/S, OU=VeriSign Trust Network, CN=APMM Certificate Authority	3ABC7A27558644E61D05EF04C86C8F5F	54:18:7C:F9:3A:69:D1:A1:0D:A8:23:DC:A3:95:B6:F8:1C:89:42:F2	0C:B8:26:87:CD:03:AD:53:5A:42:76:92:40:64:79:9A:49:E4:3D:39:A8:97:CC:86:21:6C:4F:D5:23:47:B9:37
C=DK, O=APMM A/S, OU=VeriSign Trust Network, CN=APMM Certificate Authority	63BE1A60EDED2EA97157B96EB07DC149	56:D2:6C:D9:7B:56:AF:FA:B0:35:BC:91:53:87:D0:7F:96:23:D5:F7	DC:6E:4F:60:22:E9:FC:C9:46:BC:7D:36:EE:C3:84:66:6B:64:4C:08:71:96:39:9E:5A:2D:A9:6F:F1:15:90:45
C=US, O=University of Houston, OU=Symantec Trust Network, CN=University of Houston Intermediate CA	5138A1BE03884C5D63AA16E765CDD940	F1:FE:C0:EC:46:F6:4F:75:6F:A6:C9:72:80:CB:97:5E:8F:2B:9E:2C	8A:D8:E9:5B:7B:83:F0:BC:77:2B:EB:C7:5F:FE:0C:51:F6:5C:77:B6:3B:08:21:AD:C1:3C:DC:5A:C9:C2:72:67
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Signing RSA Intermediate CA	0869544B0438EC59742EB7C004207299	C1:9D:F8:CB:7B:6A:C5:A3:59:D4:B2:9A:1E:CD:FA:E3:E1:09:07:C5	66:F7:B0:14:7C:09:F9:DA:79:E6:38:00:A9:6F:64:9D:A7:E5:97:57:F8:76:F0:81:26:D0:7E:8F:B8:54:24:88
O=Sun Microsystems Inc, OU=VeriSign Trust Network, CN=Sun Microsystems Inc Root CA	6E65207753C19222D56615A17A882FEC	D9:37:85:C7:3B:DF:61:C2:21:A2:E0:70:71:21:79:D2:3E:A1:A6:FA	35:6A:86:A3:A0:B9:FF:C7:07:EE:F8:18:CE:C7:FD:FC:14:8F:A4:A9:2C:13:7B:1B:E9:55:7C:FD:2B:D0:B8:B5



C=US, O=Oracle Corporation, OU=VeriSign Trust Network, CN=Oracle Root CA	4BBADC315DBF8B5CC71934118363087C	19:A6:43:7E:84:16:FB:EC:49:80:93:66:BA:49:AB:17:14:B4:96:6D	C4:04:69:CF:7C:65:61:AF:32:88:E2:FF:DD:43:9A:C4:F0:C9:CE:A9:33:59:7C:07:D0:D5:10:FC:82:02:82:AD
C=US, O=Futron Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Futron Corporation CA	13DAA25A761CD9FDB9822A8E03F63AE6	1E:E1:B8:F5:AF:EF:3F:9C:46:20:DA:31:45:35:40:F7:6D:DC:44:EF	F8:10:2F:E1:B2:0E:2D:43:FB:F1:27:62:04:79:57:A4:76:33:2A:74:E5:11:C3:28:38:3B:38:9E:DF:DD:7F:01
C=FR, O=Groupe SEB, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Groupe SEB CA	72FBBB2C78E69509927F4B85FE8DE299	C6:7E:73:2D:02:F8:4B:CE:F8:E1:2D:C6:A8:C4:11:58:87:C3:2F:7C	A6:66:0F:52:0C:FF:42:D0:FA:B1:15:71:FE:0E:62:85:B7:60:ED:13:A3:F9:D9:E3:36:A5:17:33:FA:47:AD:42
C=US, O=Fairfax County Government, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Fairfax County Government CA - G2	78DE4BF6D4547BF8FD585BA6EAA8E888	7F:FC:0F:D9:E2:A2:FA:0E:6C:82:F0:1A:19:D9:40:A8:9F:6D:2C:91	75:2D:D2:F4:38:15:05:29:B9:E8:AC:A1:7C:66:D0:6D:A0:A7:E4:47:71:F5:F0:8E:46:7B:0A:F9:8E:85:FF:50
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, CN=VeriSign Class 2 Employee CA - G3	173402FA69B7ABD3F4A25600A2EC2930	C5:22:88:3F:01:E2:1E:A0:39:3E:FA:5D:51:F0:1D:DF:00:45:80:0B	D4:D8:FC:83:C3:AE:98:AC:D1:20:DA:B0:D6:37:48:C1:A5:92:60:41:8A:C4:1B:3E:D1:34:50:9F:56:5C:2D:74
C=US, O=THE GLOSTEN ASSOCIATES, INC., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=THE GLOSTEN ASSOCIATES, INC. CA	56A5FC1DA2328D64F3774D578877FF29	B0:A0:5E:A0:28:3B:F5:39:60:86:26:56:AC:81:99:E5:82:45:BF:C6	26:A1:EB:BB:E7:71:C1:89:C4:3A:56:C7:14:CB:B1:DE:9A:C2:5A:2B:6A:FB:D1:E8:FF:A3:3C:33:81:B8:06:2C
C=US, O=THE GLOSTEN ASSOCIATES, INC., OU=VeriSign Trust	08037E5743F72BDE52B17A671182C3A8	F8:F8:56:11:7B:20:2A:96:59:83:37:5E:6A:CB:47:73:D7:D5:F2:78	A5:4F:A9:FF:E9:83:B9:A1:9A:1E:42:F1:46:23:54:10:8F



Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=THE GLOSTEN ASSOCIATES, INC. CA			:41:B5:C4:6C:DB:72:71:0B:2D:94:EC:FB:C8:8E:5F
C=FR, O=Sidel, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Sidel CA	69235AA2CAA72FF4E2EC3AE62E809505	71:F3:F7:E1:19:AF:6A:02:98:26:58:54:08:AE:2E:9F:27:0A:A4:60	C8:3B:5E:BB:6C:D9:3E:5F:DF:C5:0E:09:52:6A:BB:1B:EC:77:85:AB:FA:74:FF:CC:86:E4:72:DA:7D:04:4D:31
C=US, O=Adobe Systems Incorporated, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Adobe CA 1 G2	0271169419B3554C1DD2D9B80BE19A12	10:3A:EE:6E:FC:D4:A0:6B:F2:9E:B8:B8:6D:DB:85:0A:DB:A7:46:48	8D:FF:0B:67:22:B0:D7:94:6A:7C:C0:C9:A0:09:A6:84:D3:2F:C7:28:04:1A:7B:2B:6C:EE:FD:3F:FD:F1:38:EC
C=AU, O=BHP Billiton Group Operations Pty Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=BHP Billiton CA - G2	71D72EDFB4BFC4D2CE2FC4C2A7C5781C	43:5C:5A:79:D7:83:41:25:6F:22:2B:F3:A3:C1:15:D7:14:9B:5D:D4	43:69:E0:83:A2:7F:C4:75:17:66:F0:BF:65:41:F3:5F:8A:59:E9:29:1C:4A:BF:75:22:79:BD:36:53:B4:D7:5F
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Persona Not Validated, CN=VeriSign Class 1 Individual Subscriber CA - G3	711566054AE491214DE9BC44F9ACD3DC	3F:59:1E:B3:7C:2E:E1:87:14:8B:20:85:E2:76:33:12:66:B9:7F:6A	30:95:16:3C:87:EC:9B:A3:9E:A3:D3:C4:C5:A7:3E:5F:B8:17:7C:D7:69:9B:7F:E0:7F:71:B2:01:80:E9:F8:FD
C=ES, O=GRUPO S21SEC GESTION SA, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GRUPO S21SEC GESTION SA CA	7F413F2E00F144F0A4EDA00D77FD5D3E	3E:6A:33:13:33:12:36:06:D D:F7:93:B7:3D:53:68:FE:D7:50:99:43	D2:07:23:4E:2C:D9:A7:EA:B5:6C:70:F8:02:C0:54:83:C3:AB:B4:C9:46:B8:CD:E2:97:59:FF:C4:30:26:84:93



C=US, O=The Bank of Tokyo-Mitsubishi UFJ Ltd., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Global Markets Division for the Americas CA	59D104BB36B889CB0CEBC1D2E819CB44	13:A8:22:44:62:70:28:44:3D:95:BB:AE:87:8F:65:3B:3B:0B:02:3B	B5:68:53:B0:5C:1D:80:97:DF:D6:41:47:04:B6:7C:A7:DA:56:F6:C6:8C:DC:85:06:CC:6D:FB:87:74:3C:DE:FF
C=US, O=The Bank of Tokyo-Mitsubishi UFJ Ltd., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Global Markets Division for the Americas CA	52C0564F1B3ACA2ED5141D2252E7BB9D	15:B8:CE:94:35:05:1B:84:60:DC:B7:EE:25:0E:39:A6:DC:89:15:DD	F1:6E:D4:67:0A:AF:38:AD:3D:B3:BB:72:98:2A:E6:89:CB:84:FB:0B:C6:B0:9F:2B:57:9F:B4:F7:23:65:2F:0A
C=CA, O=Vancouver International Airport Authority, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Vancouver International Airport Authority CA	1C4F442EE53EC626C15C5DBF94CD4923	56:D6:0F:A9:90:F2:5E:32:3E:E3:A5:20:35:E5:87:0F:C4:C0:A6:EC	3E:C0:9F:72:F8:C7:F2:AE:38:9E:DC:B6:E9:CA:06:8E:17:94:17:DF:42:B1:14:08:9B:0C:12:66:40:D2:F5:A9
C=CA, O=Vancouver International Airport Authority, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Vancouver International Airport Authority CA	40309E100D6832D8C64D3CEC3178370F	E1:20:FA:45:5B:CB:A1:18:3B:F2:9E:E4:4D:FC:52:86:C5:12:C6:2E	4C:48:67:1C:48:02:0A:CC:CD:3D:BB:E7:8C:45:2B:A5:7C:4B:ED:83:BD:B1:A1:C3:3A:98:12:52:90:F9:CA:A3
C=US, O=International Business Machines Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=IBM	04B5F8BDE60614772AC76C767884F843	2D:E4:D7:09:DD:11:D2:1F:CD:45:37:94:E6:B6:D9:0F:2B:FD:33:3D	2D:55:A8:BC:4E:5B:05:32:6C:13:B8:24:F5:4E:7A:CB:EC:6A:03:CA:68:8F:61:39:FA:84:DB:DA:DD:07:2C:3A



Certification Authority G2			
C=US, O=International Business Machines Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=IBM Certification Authority G2	4DD82A2C0C4F51E94DFAF1CF1A7C1E15	DC:DF:19:98:6E:72:0B:DE:60:D2:D1:17:18:54:43:00:F7:DC:97:A1	EE:FF:FC:2E:A3:E9:E9:C9:4D:F8:B2:A2:4F:15:29:74:38:17:48:35:49:7B:C6:7E:99:20:39:63:AD:97:62:8B
C=FI, O=Nokia Siemens Networks, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Nokia Siemens Networks CA	0572F5464D9800F92BE6C5A6DEF137DC	D3:CC:95:2B:67:17:83:57:85:80:ED:8E:71:BA:EF:F6:51:FA:12:7A	01:89:FB:D1:6D:79:3B:7E:4F:2B:80:DF:0E:46:D2:52:A9:50:EB:83:7E:3D:77:30:8B:67:14:7D:46:42:E1:B6
C=US, O=Farmers and Merchants State Bank, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Farmers and Merchants State Bank CA	498504A9168A4F4F839C77A64C8DCA59	A4:70:64:C0:1C:90:FA:C9:65:83:81:A4:75:53:BF:BB:27:8D:02:13	26:EC:08:8A:52:74:5C:B3:82:6E:A4:50:6E:14:7E:8C:56:B3:A6:AD:32:A1:A5:95:CD:2F:3C:E0:A2:7E:C8:89
C=US, O=Hewlett-Packard Company, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Collaboration Certification Authority G2	44BDF300D461EB56992A1881029CB8C1	5F:E5:DA:BB:BF:3B:BE:A4:E8:FE:1A:23:EF:5E:6F:3E:EE:41:B1:70	F4:5D:70:C3:41:AF:FC:2D:F5:7E:8F:C4:4F:2C:2B:10:9C:5A:92:8B:FA:EC:38:67:28:90:D4:97:0A:B4:17:9B
C=US, O=Hewlett-Packard Company, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Collaboration	3B5713B6B02135FB5E4675CA6CB2C4E1	CC:60:53:57:44:89:41:C2:C6:B4:24:F9:37:D7:42:D9:99:AC:9A:CA	4F:06:0D:74:7E:E4:24:CE:8D:A4:CA:F5:38:15:88:FB:16:4A:9E:55:3E:22:95:D3:7D:86:21:4A:98:CF:A5:C4



Certification Authority G2			
C=US, O=ATT Services, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Corporate Certificates CA	56EC504F69CBA02A2034CC3D2E31CD85	3F:80:AA:42:72:4C:D2:CB:C6:8D:4F:E6:CD:B8:76:87:53:74:37:FF	26:19:53:AC:B8:65:15:57:0B:62:97:6D:AC:DB:78:7B:8B:CC:D2:F0:2F:C2:B9:D3:79:FD:B2:15:9B:E7:B1:12
C=US, O=Bartlett Regional Hospital, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Bartlett Regional Hospital UA PKI CA	50F5E3ECCE7A85CD5BF74A8E713FA416	B1:2B:FF:F0:73:F1:2D:40:3E:2C:3B:3F:15:47:B7:02:3F:1C:7C:0B	A6:04:BB:5F:3A:78:5A:F6:4A:BE:28:31:D7:0A:E0:A6:9B:C9:75:4B:B3:3A:BE:A3:C1:ED:A9:40:36:06:8B:AF
C=US, O=Bartlett Regional Hospital, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Bartlett Regional Hospital UA PKI CA	5338B341FA3CA416E2100C2BA85B8E11	B7:8A:6A:BE:BF:ED:80:64:03:21:28:3B:1C:D1:93:A7:79:30:0E:C4	4E:19:52:C9:4E:6D:3D:FE:05:87:1A:45:71:C1:81:2C:E0:4C:EC:40:49:88:AC:B9:F4:EC:43:59:94:B4:BF:44
C=US, O=United Services Automobile Association, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=USAA Digital ID CA	123B4EDFAB890E1140055A25E491D3F6	06:17:8E:E0:AA:CA:6A:54:40:3A:66:BD:63:79:8D:56:5D:54:AE:3E	8E:FE:CF:B4:D5:9F:1A:7E:46:75:1F:1A:3E:55:39:CB:99:DB:3D:F1:B6:8C:BC:2F:20:0E:DC:30:38:16:87:7D
C=US, O=United Services Automobile Association, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)09 , OU=Class 2 Managed PKI Individual Subscriber	1B784DEADC44EEC87D1CEC83DB852A8C	9F:EF:BC:EE:4A:8E:F4:FA:FD:E1:32:D0:1F:19:07:01:40:50:26:B5	B9:66:63:78:7F:91:52:66:F4:A0:F4:B6:3A:28:12:4C:8F:0D:8E:41:A6:8C:EF:6A:7E:05:A7:F5:50:E9:DA:4E



CA, CN=USAA Digital ID CA			
C=US, O=Spirit AeroSystems, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Spirit AeroSystems CA - G2	3270302EE1748477990516307098F2D1	74:2F:64:EC:CD:63:BA:6C:35:FC:B3:F0:AE:6B:E9:C2:F9:C3:4D:65	DC:D9:AA:D1:D3:3A:A7:33:01:75:84:C9:1C:4E:4D:D0:51:98:CB:A0:B0:71:CE:5F:ED:AF:AB:61:63:FF:6B:11
C=US, O=Spirit AeroSystems, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Spirit AeroSystems CA - G2	3263378309BF6ED5D382DB9C1C374DE9	82:A6:E1:F9:15:CC:C0:D4:4B:28:12:9A:35:A9:AF:9B:9A:31:57:98	4D:76:5D:11:7C:B1:B1:BB:26:A6:36:82:AD:B5:13:26:AE:50:06:E7:88:F9:0F:F8:22:F1:FD:A9:6B:CE:A2:C7
C=US, O=Invesco Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Invesco Extranet CA	558C08427B7A0258942A1D18D99359F2	55:40:95:0E:08:53:BD:AD:F1:9F:E8:83:83:A0:07:2F:9B:25:42:1A	DD:EB:32:69:13:28:D2:D9:D8:55:91:05:3D:65:39:75:EB:EB:9E:5B:DC:83:DE:9A:04:DF:EE:D0:8C:DE:50:0D
C=US, O=Invesco Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Invesco Global Cash Management CA	17EAF654D1B99309C27FA0852623CDDE	DA:65:AC:84:1A:D0:3D:E3:96:09:38:F4:49:EB:7C:DD:94:2C:06:D9	2C:DD:11:0A:38:D2:1C:06:E3:05:39:6F:85:A1:BE:3A:AE:1D:8D:8F:1B:81:D1:E0:D7:4F:E8:45:43:1C:1D:99
C=US, O=Westinghouse Electric Company LLC, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Westinghouse Access Programs CA	4DA0EDA8917DB48E30042F53178BE6E5	F0:9D:4D:FA:FC:07:4F:A8:41:F2:D5:2A:20:2D:12:00:48:FD:58:87	66:E3:1B:54:C2:5A:C7:38:B0:1C:6B:1E:08:EA:74:EA:5A:9B:D1:9D:CD:25:85:1F:20:7F:D0:8F:B9:5E:C6:A3
C=SE, O=Tetra Pak International SA, OU=VeriSign Trust Network, OU=Terms of	3C24C5EC6B0FDA209CCCD1778593A862	BF:5D:B0:76:02:BE:AD:80:36:54:4C:97:10:6B:3F:2F:FB:7B:C3:5E	45:6A:6B:18:FA:9B:1D:68:64:AD:02:A1:B3:E6:D7:37:



use at https://www.verisign.com/rpa(c)10 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tetra Laval Group CA - G2			F6:64:42:7F:E3:26:C1:CF:6D:65:80:83:F5:2C:C5:F1
C=SE, O=Tetra Pak International SA, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)10 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tetra Laval Group CA - G2	4645A86F485E2FF74E417F84DB5AD26D	E2:EB:2E:4B:FA:B6:86:12:0D:D9:24:74:20:07:A3:D6:56:A4:45:51	AF:C5:8C:D8:D6:41:AF:B5:89:D6:31:7B:D6:D0:A1:6A:69:92:E0:45:E4:B4:85:57:77:C6:A9:C3:F6:31:25:D3
C=SG, O=National University of Singapore, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)10 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=National University of Singapore CA	7AA9DFC38285C28A1BE5C40630AE93CB	F6:8D:4A:97:15:E8:B2:74:55:62:AD:AD:33:9F:3B:DF:E6:51:DF:CE	C7:AF:67:FF:08:2E:57:B2:03:C0:E9:50:1C:62:BD:BB:C1:03:39:CB:8B:D8:9E:4F:91:E8:82:7D:F8:26:E7:DD
C=CA, O=TELUS Communications Company, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)07 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=TELUS External CA	46EFDC284FDEB0600F1C90C77771545E	1F:19:4C:CC:44:75:90:9E:F1:70:56:23:F2:5F:C4:D9:AB:81:9C:A5	08:38:11:95:D4:A9:79:D0:31:48:50:9F:64:C4:D7:96:E5:04:8C:BB:04:D1:9F:55:44:54:C9:1D:94:AE:DD:DA
C=US, O=United Launch Alliance, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)08 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA	5D160C4901B3FF3CC77DADC8F6DD6063	01:A1:98:14:E8:06:56:D7:AA:08:CD:3E:05:F8:AD:4B:D2:2F:F4:A1	EC:3F:C8:BF:83:8B:A9:B8:AE:78:6F:4B:B0:7A:59:01:69:06:30:D7:0E:67:BF:40:19:76:1D:12:C7:0D:B8:C6
C=US, O=United Launch Alliance, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)08 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA	6E3FF8BCB01125C58E8B36DB518248CC	0A:85:25:59:D6:F6:14:71:97:7F:E3:FA:14:B0:20:56:F1:6A:9A:FD	FA:2F:B1:C0:35:76:A7:07:09:D4:3C:DE:B6:EB:12:9D:A1:09:B0:0D:0F:C4:A7:A8:28:6F:D0:24:11:EE:FA:23



C=US, O=United Launch Alliance, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA	664273D3D84F55838D03F526C33D71AA	2D:94:41:31:2A:AD:23:39:FE:06:47:2F:F8:C6:17:F5:D F:F4:E4:EE	82:A4:69:52:AD:9E:DB:68:7D:A6:AE:14:7A:88:3E:80:72:3C:01:19:E2:F7:49:3A:AF:B8:04:B8:6C:AB:8A:ED
C=US, O=ConsumerInfo.com Inc, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ECD CA	0845633C696F3B44B2396E01DBAC5500	49:4E:0F:13:5D:A9:17:A8:C2:A7:BB:AF:49:2F:04:BB:8B:B4:C8:96	5F:9D:F2:7E:4C:42:03:E9:C2:FF:58:7A:CF:26:F6:BB:F8:1E:EE:10:35:79:AD:9A:9A:97:D0:13:67:10:90:FF
C=US, O=Automatic Data Processing, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ADP CA	2AF0EB1AA5F60FCD72F5A61CF5543112	EC:B5:9F:2B:0C:B1:E7:0E:0B:B9:FE:B2:C3:25:54:0B:A5:7E:61:A0	D3:3D:27:B3:8C:72:BF:A7:91:4F:06:8B:10:FD:18:D8:E1:2A:45:F5:E6:0B:8C:35:D6:72:8C:2D:17:FE:3C:48
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, CN=VeriSign Class 2 MPKI Individual Subscriber CA - G2	63A800C76E9BE8E27A08FEE55C95F663	A7:D8:A9:53:0A:2C:F9:CB:EF:B9:5C:95:33:4A:2A:57:56:68:F3:52	C9:4D:D6:3A:6B:93:AA:5B:B8:11:F0:E4:A8:EB:AE:4F:88:21:6B:32:FD:DF:1A:F7:70:4A:31:03:DA:F9:D4:C3
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, CN=VeriSign Class 2 MPKI Individual Subscriber CA - G2	24A479B3761EEB8D3FD9A91709AC1737	EC:ED:2D:A4:16:99:94:79:F3:1C:A0:0C:C0:1C:2F:86:2C:DB:EC:F2	BF:DC:5D:34:2A:41:39:F5:B6:FC:F3:7F:6A:D8:32:5F:DB:48:53:0C:D9:6D:5D:6F:BA:2E:41:60:AD:2F:43:12
C=US, O=Alliant Techsystems Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Alliant Techsystems Inc.	3785BD406FD9D822964A0674109F69C8	3A:CA:26:FA:B8:27:8B:02:AE:92:73:06:A0:2D:9F:8A:0A:D6:C9:CE	00:05:55:CD:CF:3B:5F:AA:C8:07:B9:75:BF:2E:B7:22:B7:78:76:C7:97:38:5A:EC:00:A8:76:7D:AA:BA:90:0F



C=US, O=Alliant Techsystems Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Alliant Techsystems Inc.	166FC6581FF952F607047E175EFFD6DE	52:93:4B:72:2F:F0:50:B2:DD:EA:5A:E9:CE:94:13:47:48:2F:EE:16	A1:67:AB:86:69:37:55:93:B3:3A:CE:63:CB:23:2E:D4:E6:1D:B4:29:CF:EC:B4:63:E6:E2:B8:5B:A6:E8:EA:2B
C=US, O=Maricopa County Attorney's Office, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Maricopa County Attorney's Office CA	09BEAA79F9116932827350ED85220B21	10:B6:EC:F5:4A:D3:C6:68:E0:74:A1:5E:8D:C6:4B:20:57:6A:9A:34	19:FE:F8:4E:49:72:8D:5B:8B:3D:50:90:FC:D5:B6:7F:F5:08:B3:E9:C4:A2:74:EC:36:04:54:A2:5F:CB:91:C7
C=US, O=Maricopa County Attorney's Office, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Maricopa County Attorney's Office CA	5A2C53EEF0D423AC03BC8552B4A1FA3C	FE:60:C3:3B:4D:D8:B0:3F:20:8D:37:44:37:22:DA:2E:5C:96:DD:D1	45:47:9E:AF:52:25:B2:F7:DB:34:4B:F9:94:10:7B:47:C7:6C:95:A2:15:B6:D9:53:D0:2C:23:1A:94:89:7F:00
C=US, O=Convexity Capital Management LP, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Convexity Capital Management LP CA	4BD813D9B0FB2D1723BD698B0C3DC72F	FC:DD:EC:59:09:98:91:BE:20:67:1C:27:79:FB:03:1D:10:75:FA:C8	C6:4B:49:1C:19:E0:41:47:1B:86:3B:4E:9D:94:89:BD:F9:35:3B:8C:67:EC:38:46:09:F3:27:AF:35:39:8C:C4
C=FI, O=Nokia Solutions and Networks, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Nokia Solutions and Networks CA	0136F9054978D629BC860DDAE77657C8	1A:7A:F0:1B:31:42:21:14:E7:D5:FA:C9:CE:36:3F:E2:12:D6:65:FB	47:EA:60:09:55:F7:81:EB:14:75:D2:91:5F:47:E9:C3:43:B4:CC:A1:42:AF:93:45:54:DE:70:90:23:B2:E4:C8
C=FI, O=Nokia Solutions and Networks, OU=Symantec Trust Network, OU=Class 2	274747AA085154AC1A9B1338AA1B9441	5C:97:84:D8:F5:C5:A5:31:A8:D4:0C:A8:13:23:FA:77:1F:8F:30:D9	0B:5F:13:97:4C:EB:57:7E:1C:C3:9D:FF:AD:F6:16:FC:F0:C1:7E:CA:67:47:20:1A:EB:A6:AF:3B:C2:0C:E4:F4



Managed PKI Individual Subscriber CA, CN=Nokia Solutions and Networks CA			
C=DK, O=Tryg Forsikring A/S, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tryg Forsikring A/S Public CA	661552813FDC014697B83B8521B25A00	1A:54:50:10:4E:AB:A1:66:D2:EB:6F:F6:B9:7B:3D:4A:EB:3B:98:A7	01:0D:56:6A:DC:A6:D4:55:A2:7D:E9:BB:9C:EC:7F:EE:33:45:D0:8C:DC:8C:98:BE:81:8F:88:EA:D1:B6:8B:5F
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 EV SSL CA - G2	366585077A8867AB58F4A094F8103733	E4:99:59:A4:B3:36:AC:BD:2D:AC:75:9B:B5:21:B9:46:03:3E:82:3A	6C:66:B7:6E:68:D6:C7:9F:AF:E5:C9:4E:9B:7D:0C:F7:53:C7:15:CC:85:38:7E:11:32:3B:79:35:F8:61:C1:87
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 EV SSL CA - G3	7EE14A6F6FEFF2D37F3FAD654D3ADAB4	E3:FC:0A:D8:4F:2F:5A:83:ED:6F:86:F5:67:F8:B1:4B:40:DC:BF:12	9E:6B:C5:F9:EC:C5:24:60:E8:ED:C0:2C:64:4D:1B:E1:CB:9F:23:16:F4:1D:AF:3B:61:6A:0B:20:58:29:4B:31
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Secure Server CA - G4	282E2791793392E428F221A74EC937AE	CD:EE:2C:D3:C6:EE:A1:1D:B3:35:AB:DB:9A:D5:6E:EA:F8:EF:C1:F6	56:4D:BC:6A:76:55:0F:D2:D4:F4:BA:C6:44:8A:11:57:B3:3C:BD:8E:0B:3F:D7:6D:72:10:75:40:96:4A:85:B5
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Secure Server CA - G4	513FB9743870B73440418D30930699FF	FF:67:36:7C:5C:D4:DE:4A:E1:8B:CC:E1:D7:0F:DA:BD:7C:86:61:35	EA:E7:2E:B4:54:BF:6C:39:77:EB:D2:89:E9:70:B2:F5:28:29:49:19:00:93:D0:D2:6F:98:D0:F0:D6:A9:CF:17
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 EV SSL SGC CA - G2	7A0F41DF1CCD14DCB269298EE22C6A35	37:8F:E7:3E:16:E4:F1:E3:39:49:B7:60:A3:BD:22:51:49:35:90:25	B2:74:5D:0A:9B:71:D9:48:F3:4E:92:1A:F5:9F:34:2A:DF:6E:40:7D:88:BC:51:D3:8A:C5:2B:58:3A:0E:BD:15
C=US, O=ATT Services Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ATT Services Inc Email Certificates CA	604EF3DBA9F823108FDE70EDE78E5A18	4B:B6:C3:F7:A1:61:11:09:A9:C1:49:89:8A:84:5F:8B:87:60:75:B0	0F:01:AC:A1:D5:10:DF:B7:E1:C5:F3:81:0A:03:77:03:8B:8B:C3:A5:DE:93:55:14:15:D2:D7:EB:6C:DB:8B:94
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 SHA256 Code Signing CA	3D78D7F9764960B2617DF4F01ECA862A	00:77:90:F6:56:1D:AD:89:B0:BC:D8:55:85:76:24:95:E3:58:F8:A5	58:2D:C1:D9:7A:79:0E:F0:4F:E2:56:7B:1E:C8:8C:26:B0:3B:F6:E9:99:37:CA:E6:A0:B5:03:97:AD:20:BB:F8
C=US, O=SunGard Brokerage and Securities Services LLC, OU=Symantec Trust Network, OU=Class 2	22113F1A94B9C5D0C5C174399F80C432	E9:18:E0:3A:E2:C5:A9:2E:E0:AE:80:60:22:51:25:25:4F:FE:40:EA	01:5D:37:61:C6:44:EC:CF:05:D2:1A:C1:42:0F:30:8C:90:73:67:9D:70:39:CB:D5:28:32:9D:E8:F4:E1:2A:99



Managed PKI Individual Subscriber CA, CN=SunGard Public CA			
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA - G2	191A32CB759C97B8CFAC118DD5127F49	5B:8F:88:C8:0A:73:D3:5F:76:CD:41:2A:9E:74:E9:16:59:4D:FA:67	F7:26:C8:89:13:36:B1:B9:7C:BC:86:F5:96:F1:26:7F:C1:80:15:21:22:57:3E:76:D5:14:5A:7C:64:E2:CF:F7
C=ES, O=Organizacion Medica Colegial, OU=Symantec Trust Network, OU=Entidad de Certificacion, OU=Class 2 Managed PKI Individual Subscriber CA, CN=OMC - G2	454FFA5AB1CEC97FD370916A0329095B	57:1C:5A:4B:FD:A2:8A:DE:AA:84:6D:FF:D4:4C:E0:F6:7F:71:6E:1A	E1:A1:2F:55:32:3E:B7:E8:D2:73:57:05:8E:0C:1C:24:70:D5:CD:09:8F:6E:D2:A1:6B:A7:93:3F:8A:3F:74:B5
C=US, O=KeySight Technologies, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=KeySight Technologies Public CA	7ADF0B0011B8F2AD361E05B7C19A3412	8F:69:42:4C:40:32:20:F1:72:96:0B:0B:EB:64:EC:2E:35:1B:5C:4F	07:1F:22:2B:68:55:FB:CE:74:B0:35:4E:61:98:1A:88:51:0A:4C:E3:03:3A:A7:A4:43:D2:27:7B:F6:EE:D7:BE
C=US, O=APX Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=APX Public CA	1FE2F26A61AC599E72BFC75059C90E9F	A7:5A:8D:3B:EA:83:08:97:E6:7C:0F:BB:4D:FF:DD:7E:3A:F7:DC:0E	B4:BF:93:17:4F:7A:05:4C:7B:02:F8:EB:2A:04:0C:40:60:E0:82:F8:85:C4:36:95:F4:12:A5:6B:18:7B:57:3D
C=US, O=APX Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=APX Public CA	3F0A5C197D0DC1EC49A1052CBC250D23	FC:DF:45:9B:2B:16:E6:7A:72:44:FB:2F:DF:B7:B2:30:E5:A7:75:71	8B:1C:10:71:1C:00:7B:E2:AB:F9:BF:6C:79:CE:5E:BD:5F:8E:AC:36:D5:03:72:28:23:7A:EF:B2:36:BF:2A:91
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Organizational CA - G4	06A13ADA000BAB77B356DE957B9280E6	C7:C5:9A:89:91:86:28:21:F2:35:75:23:DC:40:F8:69:DB:1C:8F:92	FD:33:AE:FD:33:A1:61:FA:C0:19:0E:41:DF:9D:D5:0C:33:39:E8:83:C0:3F:49:C4:A2:AB:2B:89:56:EF:54:D4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Organizational CA - G4	7073F023B8AA895A4EA86BDF780F3A07	C9:75:8E:86:59:5C:6F:35:2E:7E:14:A1:58:0D:FF:8A:9B:00:4E:F8	6F:6B:2D:4A:30:9A:15:6C:61:97:7F:BC:CF:7D:2A:C9:F5:96:23:FF:CC:EA:C3:E4:EE:5A:83:A1:8D:89:52:75
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Organizational CA - G4	24D3C6B9184F6FC5E47E7250C7ECB030	FB:D6:E2:E7:90:B5:66:E2:3F:0F:1E:92:11:C2:0E:02:D6:8C:E0:C2	E3:71:0F:0C:66:7E:58:9D:E8:E4:AE:A3:7E:70:1A:FA:F3:FB:B6:27:57:62:E6:FE:A3:FD:66:29:54:42:79:D6



C=CA, O=Tangerine Bank, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tangerine Bank CA	76CDA7AF01F88B6C92861E6AED2248F7	3B:5C:F1:45:7E:7D:08:66:7E:73:87:7D:3A:BF:09:B5:79:30:5B:51	CE:F2:0F:5A:C6:D0:D5:3D:B0:2F:E6:F9:B0:C9:D3:AF:A7:04:13:04:00:B6:C6:0D:C7:36:F7:E6:8B:B0:F5:0F
C=CA, O=Tangerine Bank, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tangerine Bank CA	6EBF9491E17FF2BE42498ED35416CF41	4C:82:55:BF:B9:B0:FF:C1:19:D0:DD:F4:22:4B:3F:34:14:D1:73:7A	AF:FD:4B:39:F6:1B:CE:A6:B1:6B:C9:8D:05:08:3D:AD:44:08:95:66:99:F7:79:1A:32:F0:06:CC:1E:FA:7A:9F
C=US, O=eGlobalCustody, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=eGlobalCustody G3 CA	362B9707C95752F3CEC961F2E4A73171	21:68:E0:75:F1:F2:E2:62:26:D0:AD:DB:57:BE:EA:E9:66:F7:E3:81	2B:64:86:80:FE:DC:C5:59:93:C3:6A:B6:5C:AD:B0:3C:61:78:BF:59:5F:1A:22:25:AE:AE:88:5D:3C:5C:F9:CA
C=US, O=eGlobalCustody, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=eGlobalCustody G3 CA	09A5D24DCE9224BC31F91EB575A7B556	D4:52:50:F0:62:05:A9:26:86:53:2F:59:00:81:DD:2B:1A:A0:04:3A	2D:E8:DD:6B:E7:50:43:5D:70:3D:60:CF:87:D2:03:AF:12:D1:E0:F2:96:06:91:88:8F:47:54:6E:ED:90:87:D6
C=US, O=Brown Brothers Harriman & Co., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Brown Brothers Harriman G3 CA	2207B10A177AD81E152887BA0AC76892	D6:BE:36:EC:DB:42:A8:50:C3:39:96:C1:90:14:C2:2F:A1:2A:60:E5	B3:FA:EB:D9:49:50:96:D2:C5:B2:6C:E2:0D:7D:E7:85:DF:F8:3C:EA:63:BF:9B:C6:60:5B:C0:8B:89:99:62:24
C=US, O=Brown Brothers Harriman & Co., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Brown Brothers Harriman G3 CA	3249419C7113A392F47818D2CED17969	FC:FB:AB:12:D2:E9:6C:39:24:4B:6C:50:4F:92:F0:96:51:09:29:D2	98:A6:FF:EC:BA:9C:29:C4:02:29:F9:19:4C:96:AF:1E:6E:03:5E:BA:4A:71:8A:76:0F:1C:CE:7F:E0:2E:29:18
C=US, O=Keysight Technologies, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Keysight Technologies Public CA	231C90AB2ABF01E5DF4ECCB2E76E42E6	21:E8:B5:59:37:4F:53:CC:D2:21:19:F5:8C:C0:46:92:DD:3A:6C:F8	7C:D7:18:41:8F:75:41:4A:05:F6:EF:1B:50:D0:A0:CE:48:05:9E:FA:22:1D:AC:89:A6:83:9D:D9:2B:6C:66:2D
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec	7C1B35354AE7DB74E7415F1169CA6BA8	13:92:E4:C7:FF:25:B9:51:7E:93:10:77:BB:E2:66:4D:C8:7E:F7:0D	20:42:E3:8F:C5:73:88:F1:DB:32:22:C7:AB:5B:E1:1C:6



Class 3 SHA256 Code Signing CA - G2			E:DB:7E:45:4B:F4:54:87:AE:44:FF:2D:6A:2B:76:45
C=US, O=Synchrony Financial, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Synchrony S/MIME CA	5FB1C98024C6E6546A3810992FE3A835	17:56:11:72:B9:B3:CB:56:C C:B4:7D:34:71:9D:A9:B9:F A:49:AD:42	34:5A:7B:5F:38:D8:20:2D:0 9:ED:80:34:39:4E:DA:7C:E 4:E3:F6:C5:2B:D6:AB:50:8 D:62:96:15:5B:30:3D:A3
C=SG, O=National University of Singapore, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=National University of Singapore CA - G2	269D7A5FD82A0538F2CB61AF80A24B4C	6C:C8:64:71:10:01:45:15:7 D:28:85:EF:8E:B7:CB:04:79 :6A:B0:9B	43:8B:A9:C8:5C:9A:8C:55: 06:AC:D1:14:6A:DA:06:8B: 77:7A:32:FA:2C:78:A6:D4: AB:57:24:11:74:88:1A:B2
C=MU, O=The Mauritius Commercial Bank Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=The Mauritius Commercial Bank Limited CA	725C0B3772E9E75A5EF9A2F4A7BAC953	C2:4F:A9:A4:3C:54:2A:2A: 1E:A6:5A:29:50:91:20:07:3 1:B2:10:A1	0A:64:6F:DC:70:4F:49:4A:6 7:73:9A:7E:99:FD:74:95:5B :B0:AF:1A:BA:62:2C:EF:E0: 00:B3:95:57:C5:FC:81
C=AU, O=Ensign Laboratories Proprietary Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Ensign Laboratories Proprietary Limited Public CA	14A2842A9CA784894BD0DB66FCA711A1	7C:7F:6A:DD:75:0E:40:72: C7:84:00:44:E1:9D:B6:B5: C4:30:7E:15	32:CA:A1:18:86:17:19:79:1 4:95:5C:73:A1:4A:5A:B2:F 2:2A:43:8B:BA:0A:1F:56:A E:1D:F9:A7:70:2D:BF:F4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Insatningsgaranti Service SHA256 CA, CN=Symantec Class 3 Organizational CA - G5	5439D1F8B5C1A15231EF40B64DABBCAO	F4:C8:DD:37:72:7A:8F:9F: 9C:19:C1:5C:BE:D9:4C:76: 2C:8F:90:B0	5C:CA:1F:2F:F3:9A:4A:89: 24:A3:60:60:36:D8:AA:DE: 2E:23:C0:24:EF:CA:FF:3D: C2:C6:67:59:FE:F7:76:FB
C=US, O=Computer Sciences Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=AGC Public CA	5843DC7507EFE5E57BB618D320A70C16	5E:B1:59:C4:59:7F:42:04:D 4:DD:A7:DF:C7:AB:62:C3:C 5:DA:3C:BC	5E:71:C7:46:D4:5E:BC:FD: 6D:2D:CE:4A:2D:AB:CC:D9: 33:5E:3A:D8:D6:3B:34:99:8 9:34:19:11:EC:D7:0E:88
C=US, O=Texas Department of Transportation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA,	2D838948A6FE01D6CCDEE84D7A7D75F0	C9:F6:C1:AC:8D:92:F5:35: 3C:D8:4A:0E:85:23:2C:42: 9B:6E:85:1A	7A:72:D9:09:7A:8D:54:7E: F7:F9:42:23:E1:86:EB:B4:4 6:7B:7C:34:25:DF:73:E6:8B :F0:E1:0C:F3:64:D4:20



CN=Texas Department of Transportation CA G2			
C=US, O=Avaya, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, OU=Avaya IT, CN=Avaya Client Services Users CA	6D46D49944BFF5D146625AE810906BCB	5E:8D:D1:16:44:A3:99:34:19:D2:20:56:4B:70:55:FD:A8:E4:9E:73	7F:56:D7:81:9A:1A:39:B4:16:66:9E:AC:8B:65:15:3C:81:CB:16:F0:16:2D:70:FB:CD:60:77:CB:D1:B9:85:54
C=US, O=National Geospatial-Intelligence Agency, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=NGA CA G2	75FCD327B38357D634633CFF3F4C6F7B	3D:E3:0E:4E:4C:75:63:AC:94:E3:A0:6E:03:71:E9:2F:3F:88:95:C0	0B:A8:FF:64:F0:D4:97:54:01:EF:B8:92:83:FA:19:C8:6F:CB:70:B4:FA:C9:22:F1:6F:3C:CB:7A:A7:1F:73:65
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Shared Intermediate Certificate Authority - G2	1BC530DD2DF052E80D3606D48DF65F92	6E:24:A9:54:58:34:E2:CF:2C:51:CF:D4:92:A2:12:94:03:A8:2F:45	68:E6:33:95:02:90:61:64:13:85:B8:AF:F7:7F:6D:66:F2:D1:FD:87:A8:21:63:0D:27:EC:36:45:C9:FE:23:5D
C=CA, O=SAAQ, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SGSI CA G2	692799D01BBB9F8F9A4BD00C7F741277	D2:7F:5E:33:3D:47:48:87:03:79:21:7B:BE:3E:19:D7:69:E5:7A:E0	C7:7E:2D:10:AD:55:D5:CB:B1:BA:36:43:55:C2:B6:77:8A:F0:72:4A:77:15:2B:3B:41:19:65:58:1B:4E:3C:6F
C=AU, O=Fuji Xerox Businessforce Pty. Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Fuji Xerox Businessforce CA - G2	3D1A943CCA7282E84C5E8C1F5BCA5CAD	22:26:A3:A3:09:71:1B:9C:22:EB:EB:2E:65:14:F2:4F:86:3D:1D:0B	92:58:7C:DC:27:A5:C0:19:B4:13:AA:94:D2:19:44:AC:85:62:E8:DA:A8:C7:8A:EA:17:C6:23:D1:B7:77:14:DE
C=DE, O=RWE Dea AG, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=RWE Dea AG CA	4BEBC4721EAA8A4D19D947C5C587AB98	50:1C:A0:E5:3B:2C:7C:C3:20:82:DE:BA:5A:E1:1C:AE:7F:EB:7B:28	7F:C6:CA:B9:6C:16:C8:50:F4:57:DC:BB:FB:89:35:39:EA:26:64:39:5F:24:09:69:37:89:F4:1B:FD:64:71:4E
C=US, O=HP Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Collaboration Certification Authority	6366C803F88C0E9C562BDD34FC90E1BD	79:82:43:93:44:C7:B9:93:A6:FD:26:30:12:41:2E:37:08:B1:2A:FA	B8:64:FF:6D:E0:CB:1B:EA:F6:AA:5C:68:DB:87:69:C9:1F:18:E1:72:1E:22:AC:3E:CD:D9:1C:08:89:D7:70:78
C=US, O=City of New York, OU=Symantec Trust Network, OU=Class 2 Managed PKI	702FC4A294F0708D77CC93E90FE384AD	AF:53:00:41:49:11:F5:DB:F3:5B:E4:5B:07:69:BA:C5:68:42:72:BB	A3:E2:E9:FD:C6:93:C7:53:6C:D3:A9:AB:C8:E0:97:05:C1:13:DD:39:16:35:C6:23:9B:BF:F2:1D:A2:58:C9:6F



Individual Subscriber CA, CN=City of New York Office of the Actuary - G2			
C=CA, O=Canadian Imperial Bank of Commerce, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CIBC Trusted CA G2	321D52D65F8DA5872F45AB0149E36 D3B	8A:8B:1C:D6:D2:2D:02:A4: 04:3C:D0:70:61:CD:E7:5D: 4F:28:F9:AD	4B:B8:00:C7:CC:2F:02:A3: 4F:FD:99:ED:75:77:36:15:5 1:CB:C2:4C:63:52:B8:14:C 6:57:FE:50:4F:3F:09:FB
C=US, O=General Electric Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GE Enterprise SMIME CA 2.1	4535CEF4421F8A410740F32C91B5C 031	2C:FC:A4:95:17:FA:21:11:2 B:82:DA:BF:FC:9A:ED:49:4 0:14:B9:10	5C:85:46:34:77:8E:6D:DC: 07:6A:BA:A3:6E:5B:8F:4F:4 5:14:05:78:BD:3A:45:AF:09 :B7:F2:3C:34:F0:32:AD
C=DE, O=LfA Foerderbank Bayern, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=LfA Foerderbank Bayern - G2	2469D0D0D87B1B8FE65473D2E50E1 979	2A:D3:0E:4D:1B:B7:86:93: D8:E8:24:85:7E:72:DA:12:6 F:04:C9:77	31:5A:C9:67:89:B4:9D:48: A1:C4:20:F3:2F:9A:4A:73:F 4:87:1A:F7:5A:4C:A5:3C:F 4:1C:E3:FB:3E:2E:76:FC
C=US, O=University of Houston, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=University of Houston CA - G2	7052A61D92DEFD2E950C978A345DA F3C	12:81:ED:A2:12:0F:A6:25:E 4:43:C8:48:C1:32:E4:50:C5 :A1:72:47	69:FF:03:E0:52:30:DF:D6:1 E:4D:6F:6D:D6:66:28:08:C 6:5A:85:CB:E8:FE:A5:E4:3F :BF:38:71:28:E8:B4:F4
C=US, O=State Street Bank and Trust Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=State Street Bank and Trust - Global Markets CA	6A0ABD9D3978E43108A4A850E5D26 AB8	DA:AE:31:C7:1C:3C:56:28: 57:F1:8A:1B:B5:F3:79:37:3 8:DC:0C:C9	2C:68:D7:76:FF:D5:11:55: D9:89:57:A6:60:43:F8:96:E 2:BC:69:CB:19:43:57:03:89 :35:00:57:A2:C7:06:16
C=US, O=General Electric Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GE SMIME Issuing CA 2.1	705E2ADF8B65BF210B1A3EBEA1896 C1F	3D:48:F5:E9:76:61:45:19:3 F:68:7E:77:6F:C7:C3:24:71 :7B:63:8C	6B:E3:9E:C9:E0:2D:54:00:8 A:7A:71:6D:D3:5A:3D:2F:0 A:1F:D8:F8:F3:4D:AE:23:5 4:46:15:0C:6F:48:BC:7E
C=US, O=General Electric Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GE SMIME Issuing CA 2.1	2E1DD06907726CAD32B11714D6DF2 F	C0:8A:01:EF:CD:DA:19:DA: EE:B6:B8:CE:7A:0F:10:91:0 7:B6:71:65	2D:53:B8:17:70:62:E4:C7:C E:A7:9E:EB:F6:2B:FA:52:A 5:B1:8B:C9:B8:94:A3:59:7E :57:14:E4:E9:B5:23:15



C=AU, O=Attorney Generals Department, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Attorney Generals Department Public CA	47E60DC1F45AD99C27D29A12F6C0980B	4F:D4:EB:21:20:0E:4F:8E:C B:9A:5F:BC:93:E8:F9:89:86 :C1:63:BB	CE:F7:11:14:7D:8B:0A:1D: C5:20:0B:83:83:BE:D2:3C: 1D:29:4F:2F:89:EB:FE:17:9 D:25:01:EA:5E:24:AB:8A
C=US, O=Wells Fargo, OU=Symantec Trust Network, CN=Wells Fargo Certificate Authority WS1	50776F58B196C391691EE658A90A9D6B	E8:03:9D:FE:57:13:1F:11:D 9:D6:77:F7:CF:7C:F5:B6:E8 :9D:98:5D	C2:10:87:41:6B:BF:98:3B:9 F:FE:40:F5:D5:6E:E0:FF:D9 :4E:B1:E6:66:B0:4A:53:2A: DE:48:2E:C2:01:D6:7C
C=GB, O=Clifford Chance LLP, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Clifford Chance LLP CA - G2	0E1327EAD942AE70E7B4C285AA3E894	DB:3D:BB:A5:17:E5:BC:A2: 1F:A6:9B:72:E8:86:7F:74:A F:B1:B7:AA	D0:EF:B8:40:22:8E:B4:DA: AA:B3:97:0A:AE:0E:64:87: 41:54:12:B3:15:93:51:CF:0 1:73:8E:AE:48:6E:5B:5F
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS EDC CA - G2	4BB55060C1F6772E84C1BF8CDFB6FB17	D9:3C:3C:30:90:71:A5:FB: BC:A2:8C:45:31:1F:76:3A: EF:2D:BE:62	BC:8E:B1:5B:0F:EE:05:D9: 53:75:8E:1D:2C:29:A9:E7: D1:E1:B5:AF:D5:65:9A:B9: 5E:98:1F:6F:75:BD:1D:71
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS NF CA - G2	7ECB51FCA830F0C70BB4317F6F453F2B	5C:70:FE:74:FA:85:CB:C5: 0F:43:5E:83:F5:C9:D7:5B:E F:63:4E:8E	22:26:1C:8F:0B:CD:85:57:1 A:F2:F8:01:C4:77:12:E6:C1 :6D:CA:E3:C7:DF:C4:CD:24 :51:D9:C5:38:B3:49:D1
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test EDC CA - G2	1E44CD3B7ED1BA22D7141DC02AD5DB02	49:2B:84:74:73:A3:74:03:B 5:EF:54:8E:C6:03:1C:50:F7 :D7:8C:84	26:66:1F:23:04:42:33:2E:5 F:8F:10:9C:05:A3:FA:A3:E A:33:9C:29:D2:2B:07:B8:D 1:A0:48:C6:93:FA:1F:0C
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test NF CA - G2	13796E1310DC9DCD1BC1A210D17F8602	77:10:42:A3:D6:B0:A1:5C: F6:B5:45:47:75:EA:B8:C5:F F:05:D4:43	59:7D:5A:28:67:29:E7:3A:3 2:4E:56:65:CE:E4:B9:7F:D D:5A:9F:D1:4E:BA:4B:90:3 3:19:A1:6C:FC:94:66:80
C=US, O=Veritas Technologies LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Veritas	2AF9F4E2D580056E141BDB799EB3F09C	4F:32:F1:93:31:9D:AF:52:5 F:31:C9:D5:C5:90:15:E8:D E:05:71:4A	1A:B7:DC:A7:F8:B2:80:27: F2:B7:1F:BB:A8:CB:87:16: 2F:E1:12:C4:7A:C4:D0:96: 38:C8:EA:01:91:5A:17:7D



Technologies LLC Class 2 Employee CA			
C=ZA, O=Nedbank Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Nedbank Limited Public CA	0205D36C1CEFBB2F4618B32675D26A04	73:67:F9:87:FF:9C:36:64:E3:DA:51:5B:0C:E4:F7:5A:9C:B4:EA:B6	26:7D:01:4C:81:E6:D0:2E:D5:89:83:06:B6:4D:7B:5E:A9:1B:AF:9D:B3:18:3C:F3:BC:64:C2:5D:2B:35:CA:E6
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Persona Not Validated, CN=Symantec Class 1 Individual Subscriber CA - G5	0702A21A85B84B659E180A6EE6F5A365	10:5A:58:CE:FC:92:48:A9:5A:13:66:4B:A0:31:03:65:F5:3D:A4:0B	42:A5:FB:CA:2D:6A:A2:62:FF:62:33:3A:B7:86:99:CE:1E:4B:F1:CF:5F:49:F8:06:FD:32:4C:BE:5B:B6:2C:F4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Employee CA - G3	1C372DCBB9703E6BB73EF3FAD10B4206	F1:9E:D0:92:68:90:32:12:95:26:B7:FC:97:3A:61:29:C3:BB:AF:CE	2F:32:06:24:CC:3E:BC:01:79:60:80:BE:DE:B5:B2:ED:91:6F:02:A0:AE:5F:53:7E:D C:47:66:BC:45:56:59:DD
C=AU, O=ASCIANO EXECUTIVE SERVICES PTY LTD, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Asciano CA	7D781BB197DB73B5089DD3A928C0E9D1	2C:88:5B:08:F1:DB:24:EF:83:2C:21:98:9C:24:49:E8:87:1F:3E:99	5F:C7:C6:E1:9A:F8:73:E0:94:1D:7C:6A:B3:44:D3:E6:E4:F7:3D:D6:76:93:FA:DF:A2:DA:9C:64:38:AC:1A:1A
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Managed PKI Administrator CA - G4	279B540CE029884522D41481AE406EBA	B5:23:DE:44:81:C4:77:5D:5F:5B:11:DC:AF:A7:29:61:EE:5F:5D:02	5D:81:D0:AA:34:76:F4:8A:5A:67:5D:6D:3E:6A:B7:66:BD:C8:AA:16:7A:1A:94:D7:9D:F9:1B:42:51:08:2F:A4
C=US, O=Oracle Corporation, OU=Symantec Trust Network, CN=Oracle SSL CA - G2	3135BB7E6DE2663AB0E233E6B0E1A5CC	03:86:D9:39:CF:7B:A7:88:55:27:34:18:5B:EA:D0:B1:3E:87:39:14	E4:AF:2F:AE:41:18:7D:58:F2:09:B0:1B:1D:87:53:C2:DC:CB:3F:60:1C:E8:62:73:E3:7E:87:38:C2:A5:CC:B5
C=AU, O=Sydney Trains, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Sydney Trains CA	0E03C5C6051EC0697934C736E3423F14	97:58:20:64:47:86:72:5B:41:10:6B:C0:9B:8A:26:1E:1D:91:DD:17	BD:80:A3:35:B5:EB:B7:27:99:60:E0:B5:80:22:57:C2:56:06:28:95:F3:3D:3D:CB:C0:B7:CB:71:99:DF:A7:5F
C=US, O=Yaana Technologies, LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Yaana	24780201934A5B2740D65D3A46C56D9C	2C:6A:AC:73:47:B4:F0:4A:11:21:9B:7E:04:4E:15:37:ED:B9:5B:3D	7C:73:C0:E9:D5:2B:C6:3E:71:31:10:DA:47:05:C7:CE:CC:B4:D4:9F:1F:5F:ED:0B:6D:1A:70:7E:63:A4:E3:1C



C=DE, O=Heuer und Partner - Rechtsanw\xC3xA4lte mbB, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Feddersen Heuer Public CA	47F12E271C7123A55D56DD6CF4C75C11	06:2B:3D:BA:B6:7A:6A:D0:A7:04:94:56:7F:E2:B8:D5:D7:C3:9F:78	A4:02:AA:0A:E5:3F:48:4A:07:BF:4E:35:B5:5D:12:74:12:76:50:AD:61:45:E2:43:B7:19:33:0B:92:B2:A1:0A
C=US, O=ATT Services Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ATT Services Inc Email Certificates CA - G2	4775DBF005A1F891BBE575E369352C82	E3:99:35:C6:94:37:C6:94:C F:9A:5D:AC:7F:AE:AF:32:F E:E9:DF:8F	AE:7A:31:EB:70:07:A6:F6:42:37:38:73:43:C0:83:D1:19:50:F1:D6:D5:46:ED:DA:D8:B5:AA:3D:AC:30:B7:0C
C=US, O=Voya Financial, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Voya Public Issuing CA1	45858ADC4D825B0580FAB82B2EBB4286	C5:99:BA:10:51:FD:7F:14:32:F3:97:50:D3:A6:63:25:BB:C6:83:E9	63:B7:40:4D:57:FE:17:FD:7E:32:DA:C9:8D:93:4E:C9:8A:B6:9F:64:D0:33:89:87:19:36:57:A6:43:64:BE:60
C=US, O=QTC Management Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=QTC Management Inc CA - G2	4B2224CC561AB2A8EC590CF81901831E	5E:69:44:36:76:CB:FE:D9:95:42:8E:97:71:B1:27:60:40:1A:71:B8	76:5A:29:59:6F:5F:74:EE:A3:BD:AC:06:70:E7:DF:42:BF:DB:70:87:65:AD:4F:89:2F:EE:F7:14:C2:14:E7:AE
C=US, O=Blue Cross and Blue Shield of Florida, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Blue Cross and Blue Shield of Florida CA G3	1555DA0AA76BC5F8F4171432DC818CDD	A0:AD:49:93:18:2E:B3:2C:51:24:0D:E7:8D:36:6B:83:CF:A5:66:2A	BB:CA:83:E9:09:A9:56:AA:38:BA:04:EA:5F:C6:A6:A1:3F:99:49:5D:A1:E2:39:81:B E:5B:ED:E0:39:70:45:0A
C=US, O=Blue Cross and Blue Shield of Florida, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Blue Cross Blue Shield of Florida CA G3	1D48798BEE5B9C06E81725C1ABB81521	6B:AE:F7:AD:79:D4:16:CD:D4:24:0F:CA:96:4F:3F:31:6C:BA:4D:EF	30:C9:55:BB:F6:2B:0E:73:57:3D:DD:95:64:A5:12:35:ED:40:B3:B5:BB:DD:5E:9B:55:61:D6:4F:96:AD:65:D6
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA - G3	2A953218E10B4B7B6FD14B2A9EC30D26	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:C0:7A:85:CB:48:A0:D8:99:FD:57:24:F5:AF:68:1F
C=PE, O=Cosapi Data S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber	59993A23DEC78E77C1F3E5264FE3711C	E0:30:8C:A6:0E:46:24:BE:0A:0F:15:9B:96:DB:22:93:C6:66:8F:75	AF:CD:78:EB:A9:5C:08:01:A2:FE:BA:E6:F6:95:D4:69:AF:34:62:15:C5:A3:E5:54:F1:61:D2:3C:4B:B4:0F:91



CA, CN=Cosapi Data Public CA - G2			
C=ID, O=PT Astra Daihatsu Motor, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=PT Astra Daihatsu Motor CA	23284EAAA343A0025BE2435E289B7D69	57:11:4D:AA:10:4E:17:B7:E9:79:26:EF:1E:1D:BB:DD:7A:05:B2:01	C0:F3:93:D5:02:7D:52:A5:64:3A:2E:38:D4:F7:9B:1D:95:8D:40:FB:6C:DF:1A:C2:57:1C:E6:10:04:BD:ED:26
C=ID, O=PT Astra Daihatsu Motor, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=PT Astra Daihatsu Motor CA	0DEE65C7316FE4C7261600F939EDD204	71:02:1E:E4:53:22:D2:FA:53:54:4E:CE:1E:CC:56:67:D5:57:DE:20	9F:F4:EC:07:4F:E3:70:81:8B:15:AB:A1:BB:DC:B0:A4:D B:E3:F8:42:0A:99:3A:7B:51:76:BC:C7:FB:4E:4E:AD
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Basic DV SSL CA - G1	4C4CD8A0FC4FEAAE1554A87F090EDA87	54:C5:AA:E5:07:D2:12:FD:07:02:E0:90:70:66:1A:FD:59:53:5C:57	52:6E:30:DE:D6:BF:9D:5C:E2:16:F5:0C:83:24:02:B4:8A:B7:0D:55:AE:DA:91:8B:18:73:A5:88:3E:BD:B1:B5
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Basic DV SSL CA - G2	1877F66568A782BBA9FB42DAE44E33D7	47:F2:DB:11:60:6B:7A:58:36:C5:B9:58:2C:EF:C3:3A:0D:67:C4:FE	DF:F5:83:E3:A1:ED:35:E5:7D:95:10:48:17:AD:82:3C:05:5F:B9:07:1C:D4:00:43:5B:5F:C7:4E:69:20:81:DB
C=CN, O=TrustAsia Technologies, Inc., OU=Symantec Trust Network, OU=Domain Validated SSL, CN=TrustAsia DV SSL CA - G5	3A100E7F109E1AC59CC5FFF640D5E442	51:A5:1E:10:E1:FA:FD:5A:2C:50:08:0E:CD:E5:56:73:AC:E7:5A:1F	B4:1A:B8:45:CA:B4:DB:9C:B1:FE:65:05:76:5F:36:A0:86:8A:DC:5D:F4:19:B3:89:79:FB:6A:4F:E4:13:1F:70
C=CN, O=TrustAsia Technologies, Inc., OU=Symantec Trust Network, OU=Domain Validated SSL, CN=TrustAsia DV SSL CA - G6	15C20B71AC2C36527A07667D871BC6D8	A6:33:0A:ED:72:6F:80:67:B5:80:04:E1:89:22:76:8A:B5:A9:11:0B	B9:0E:17:AB:4B:87:78:B1:0F:9F:28:CB:AA:76:64:DE:2E:E3:D6:6E:1A:FC:57:4D:16:8E:DD:24:A1:03:39:FF
C=AU, O=NBN Co Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=NBN Co Limited Public Issuing CA - G2	5EA880B36C55681682203F11E48327F4	9B:FB:82:5F:23:B8:D6:9B:F1:FF:F1:84:0D:FC:AC:83:D7:EE:1B:10	75:8F:49:6C:99:28:A3:C6:7E:0D:50:D0:3D:2E:2C:AA:FF:73:3D:42:7E:57:AB:5F:EE:7D:5A:C4:15:3C:40:71
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 1 Individual Subscriber CA - G6	7827F626623577B4FB9B70AAE819DB25	A8:A8:08:D8:7C:B6:A4:2E:B9:81:CF:C1:65:30:82:0F:12:65:8C:CB	51:E7:54:2B:47:AD:38:49:D1:C3:63:E6:D5:39:DA:70:3D:C1:2C:D1:6C:E9:85:FE:6D:79:2C:5D:CD:F4:53:CB



C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 1 Individual Subscriber CA - G7	2D3F6C37302E1A52863A7120F1B8CEF1	54:64:8D:D9:B4:0E:05:B6:5B:83:87:D1:E3:55:2E:00:FC:EE:03:37	9B:50:2B:94:1A:F5:71:3A:CC:BA:B4:F7:70:08:F7:A1:A3:C4:A7:1E:3B:AB:DB:07:00:6A:E6:72:9E:C5:D9:54
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 MPKI Individual Subscriber CA - G3	0917D7C9AA0CCA8CF1B8AA1A06B4A7CD	5F:09:07:24:0A:F4:77:B5:E4:B7:85:62:93:35:F9:2D:6B:08:60:26	A6:75:82:B9:27:72:24:D9:80:10:27:21:71:56:D2:83:13:6B:29:FD:2F:33:03:17:81:F6:04:EB:80:79:70:D7
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 MPKI Individual Subscriber CA - G3	2FED6E8F92D45E05D447F2C5AA5D8860	8E:F2:47:A5:2C:75:0F:5E:2D:F5:9D:AF:71:CD:AF:10:F1:55:7F:91	E7:9B:AC:E9:FF:58:B8:EE:6D:3B:D9:4A:E8:AD:B1:3D:F4:2D:FD:86:B3:70:1B:FF:8E:DF:F5:C4:E8:4B:AE:91
C=US, O=International Business Machines Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=IBM Certification Authority G3	027A07BBDC96B47E58DFB9039AB8F7DF	46:43:97:1A:59:1F:CD:DA:75:76:55:CD:90:11:59:C8:08:C3:94:24	CB:16:C5:8F:10:AF:FD:A4:6A:0F:C0:5B:F4:9F:0B:70:7C:57:9E:C5:2E:35:27:EE:BA:04:48:F9:B8:C1:6E:99
C=GB, O=ARM Ltd, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Partner Services CA - G2	5794A7FB5A99538D802244A10E787B73	18:A9:8F:F4:82:8B:DF:8B:CB:30:5E:BA:24:DA:1D:EA:23:E0:84:A6	0D:B1:7C:39:CB:E7:EF:B9:51:E6:BA:E1:25:3E:A6:47:F6:A6:32:51:25:81:B7:E2:1C:D5:1C:5A:FE:01:E4:70
C=US, O=Fannie Mae, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Fannie Mae Shared Online CA	5F8DB68FA1FEADA2F199093E231A5A50	01:44:1E:0A:2B:12:CF:4C:C6:52:F2:30:D1:94:1F:3E:DD:5A:83:2F	D3:94:95:B3:10:66:9D:C6:BF:F5:7D:54:7C:53:E3:FF:9E:7B:45:2B:B6:09:27:2C:98:1F:51:4C:CA:0B:14:6F
C=US, O=Thomson Reuters Holdings Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thomson Reuters - LEDO CA	7AC08185DCE029D685B8191D6B2A3804	51:6F:69:D7:7D:16:8D:79:83:1B:DD:EF:12:4E:8C:2D:E5:CA:29:32	F5:DF:7A:85:24:0E:93:C6:02:EE:9C:6F:77:C2:B1:26:C7:A3:7C:ED:8F:34:DD:71:4B:82:C4:7F:31:F3:54:4D



C=US, O=SunGard Brokerage and Securities Services LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SunGard Public CA G2	56B93A60E6EA9E1441C7318DCF07F A15	F1:EA:8C:57:6F:90:E4:EF:7 7:96:22:11:03:26:F6:7F:F5 :4A:76:15	CC:0F:03:0F:83:02:FF:E2:B C:F5:C7:84:A3:FD:12:D7:2 4:22:B8:D6:57:32:A6:DA:0 5:18:B4:CA:4D:EF:3E:83
C=US, O=Thomson Reuters Special Services LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thomson Reuters Special Services CA	13EFA736D422459692CDBDB247B27 201	83:D3:0A:2E:C9:67:C1:28: 5D:AC:55:A1:12:E0:6B:88: 4B:10:B7:19	D9:A0:EB:D9:5D:3C:90:3F: A7:5D:C1:EA:19:F1:96:37: 60:CF:79:39:18:3A:66:03:3 4:60:F9:1D:E1:D3:73:72
C=US, O=United Launch Alliance, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA - G2	606DEFF1E74AA9DA30C0DBBE449AA 060	EE:A8:54:E3:D1:D2:79:C5: 7E:C8:B1:CB:F7:CA:6A:6E: 7D:98:23:82	4A:84:F8:4E:88:0F:3D:96:C 3:BF:BA:2A:ED:67:B0:EE:3 0:0F:BE:E0:A4:A9:0D:73:6E :F7:38:A0:89:FD:6B:17
C=ZA, O=Absa Bank Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Absa Bank Limited Public CA	79BA45D8665079BEF6844BA57FAD0 770	0A:21:92:2B:58:1B:FC:E5: A3:30:78:AE:D8:64:3D:47: 55:11:56:B9	02:30:2C:4C:F8:31:33:5C:9 D:D1:45:DF:91:A8:C1:C7:0 3:00:8F:D2:34:21:5D:0E:18 :78:95:09:2B:D8:1A:D4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Universal Root Managed PKI Individual Subscriber CA, CN=Symantec Shared Individual Email Certificate Authority	66D2E649E4758A5ED793866259F40 EB9	4C:F9:36:27:F0:AC:9D:EF: 60:20:E1:BC:1F:6D:DB:DC: A6:A6:97:FE	B7:02:1B:CF:34:6E:85:02:B 1:27:5F:80:05:7F:3B:97:46 :7A:C8:B8:A7:61:60:83:40: EC:F8:48:4E:C3:84:8C
C=US, O=United Launch Alliance, LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA - G3	7FD013CBF14A501D4CFF45B34C5AC B3D	95:98:85:3A:A1:08:98:EC:5 8:D7:43:39:CC:F0:1C:9E:6 4:4C:F8:20	23:2A:D3:38:F6:4E:3F:C7:1 0:48:E1:D6:CC:C9:6E:A6:F D:57:82:27:4A:A9:6F:D6:1 8:F5:42:50:87:BA:2F:FE
C=US, O=Hewlett Packard Enterprise Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Hewlett Packard Enterprise Collaboration CA	2352C53C5D8CD0E3C80B3AB061ECB 63D	A2:B8:59:83:B4:22:2F:8E:1 F:F5:E0:68:89:5E:0C:C3:D9 :15:DE:6C	2E:AA:42:51:B3:FF:DD:3A: E9:04:83:3A:08:B7:FE:1E:7 7:17:C1:70:82:45:5C:07:F6 :F6:DA:90:2C:BA:C5:D0



C=CH, O=World Intellectual Property Organization, OU=DigiCert Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=WIPO CA - G3	697A6CA9C694F2F943C7F271C5F20CE1	2F:A0:3F:95:38:EF:F2:DE:A3:CD:EE:35:5F:EB:20:CD:62:D5:56:81	64:16:58:37:1E:97:E1:63:32:C0:51:D9:AF:D1:32:1F:77:0C:20:12:03:3D:63:36:0A:6A:96:73:9D:C9:C3:57
C=US, O=Glosten, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Glosten Public CA	68033624AE5E32F5EE3A0D43DF078EDA	0C:2D:47:24:94:1D:06:77:E3:BB:42:2D:F3:5A:8D:5B:5A:09:5D:90	2F:90:24:22:29:AB:EB:E3:62:CD:49:B0:59:71:B1:0F:E2:F6:4C:82:89:A5:A6:EA:E2:58:17:E2:80:B2:98:76
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 EV SSL CA - G4	5398D1998C7CBF2310C0F999A0051833	A5:65:3F:4A:81:6E:00:09:7C:CF:0F:CC:65:6A:89:1B:29:BE:19:93	31:86:22:33:62:0E:78:93:30:CC:89:3E:8B:5E:66:70:53:31:B8:B8:8B:0E:D3:0A:44:57:4D:9E:0A:71:C4:F1
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit SSL CA	0BB8A60497D81E27BBF5F2687D12FD04	16:17:2B:72:98:09:74:4A:36:E2:6B:A0:E5:A5:99:86:29:EF:8A:C3	AD:EB:F8:3F:D3:D3:F9:54:6B:B7:7F:AA:B5:16:DD:93:37:CC:F9:1E:11:98:F7:43:37:76:9E:C6:8E:6E:82:6E
C=NZ, O=IBM New Zealand Limited, OU=Symantec Trust Network, CN=IBM New Zealand Limited Public CA	7C8E8FF07BCA9C7A1AB3E26BE3729410	DC:4B:C2:BD:A3:A8:7D:5F:8F:B1:8D:73:CA:BF:BC:4E:F6:96:D6:12	A6:AE:79:59:A1:95:74:9C:A8:87:38:6F:A0:44:82:BD:16:9D:C1:15:7E:31:2D:30:1B:0D:5C:33:3F:AF:2B:02
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit SSL CA - G2	567F888DFFA505DA21E375370091936A	57:7A:8D:F6:E2:62:F9:A7:64:82:9D:A9:37:5D:94:D2:59:6F:20:AB	3B:6D:70:13:31:A8:CB:80:94:43:E4:2A:73:2B:AD:67:5F:22:5B:15:CC:43:9A:CF:26:A0:95:87:C8:85:EC:FD
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit SSL CA - G2	14DB7E7A40B856200DD8EB382C262BC0	DD:2B:89:2F:DB:0A:69:78:38:11:51:D6:62:98:0D:53:04:E9:E2:AE	74:EB:30:7A:78:AC:7E:85:70:CC:1B:AE:1C:51:10:2A:60:53:C9:6F:33:32:D7:03:28:5A:74:3B:CB:D3:5D:9E
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit SSL CA - G2	3F9287BE9D1DA4A37A9DF6282E775AC4	FE:3C:41:90:1F:36:59:C6:ED:DC:0C:1C:2D:85:D0:B2:0E:64:96:14	2E:28:61:28:9B:5C:CE:DE:CA:E4:C3:1B:F2:62:E0:FB:0C:29:B6:C1:53:05:73:44:27:31:CA:65:D8:21:E9:01
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit EV CA - G2	71223CA522185EAC44CF1770D1A8AA5D	0B:69:D3:71:3F:1B:05:84:F1:C8:89:45:A8:5B:4C:EB:5F:CF:D7:21	66:36:36:C0:3F:D0:B5:B1:71:F2:B0:44:07:C3:DF:76:7B:34:9C:8A:99:0D:87:CE:48:58:98:16:6E:2B:51:20



C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit Extended Validation CA	4D955D20AF85C49F6925FBAB7C665F89	CA:C5:5F:77:BC:17:B2:47:B0:B9:F5:91:F5:8E:6A:E9:7B:FB:9E:1B	5A:D4:18:3B:54:F0:E2:76:2D:A8:D9:10:E1:E7:E9:F2:AB:2F:1B:C4:CE:6A:63:8F:0D:BB:F3:37:EB:4A:13:9F
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit EV CA - G3	4934B1B39646024939700C645B4F1FA0	5C:EB:F0:3C:1A:8F:E1:EA:16:19:57:AC:F9:44:66:D1:A8:8D:74:C4	4B:2C:BA:18:EF:BC:E6:C3:C4:A8:0A:AA:BC:95:23:37:00:0C:D9:34:6B:76:8D:06:24:12:A2:DE:D8:46:ED:C9
C=CN, O=TrustAsia Technologies, Inc., OU=Symantec Trust Network, OU=Domain Validated SSL, CN=TrustAsia ECC DV SSL CA - G7	25815D93D5C9B8A65E7F367C01D3C3D2	97:11:31:77:A5:41:19:04:F3:57:88:B0:3E:E7:9E:18:D5:3B:FA:97	AD:80:6A:93:57:B8:7D:1E:B1:DD:85:A5:A3:C0:92:D0:20:4B:A4:47:FF:4B:37:14:E3:F1:03:4F:4D:3D:E8:A0
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 384 bit SSL CA	535E42B75BAE2F1EB66C725D2F10C6F6	B9:05:04:ED:56:CC:18:39:9D:23:54:0D:E2:46:68:02:C7:43:71:0B	14:21:45:83:E5:F4:9C:E2:DB:88:B9:3C:FE:3F:7D:81:B6:78:C8:6A:FB:CA:92:40:BA:A4:B9:E4:CE:90:BF:2C
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 384 bit Extended Validation CA	7A760B273C322398D3D4F86B6EBB2D50	38:CC:3D:7E:F8:69:60:4D:B3:9D:34:FD:B7:BD:66:D0:74:42:E9:B6	77:FE:87:6A:1C:47:63:49:F5:EB:9A:E9:BF:53:F7:81:4A:0A:E4:11:56:26:67:C5:8B:7E:D2:78:69:C5:40:91
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec SHA256 TimeStamping CA	7B05B1D449685144F7C989D29C199D12	6F:C9:ED:B5:E0:0A:B6:41:51:C1:CD:FC:AC:74:AD:2C:7B:7E:3B:E4	F3:51:6D:DC:C8:AF:C8:08:78:8B:D8:B0:E8:40:BD:A2:B5:E2:3C:62:44:25:2C:A3:00:0B:B6:C8:71:70:40:2A
C=CH, O=OFAC Societe Cooperative, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=OFAC VPN CA	48B22ED6F7F02581A703D4FB6CC72E6E	67:15:41:38:41:83:4F:EB:EB:CC:C7:92:DD:09:7D:8E:97:1E:16:30	F7:72:0B:96:8E:E0:52:92:84:2A:5A:A1:3F:4D:B9:A0:2F:67:DA:DC:73:40:CD:C2:8A:17:BE:B1:AA:5A:73:22
C=CH, O=OFAC Societe Cooperative, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=OFAC VPN CA	56603F711D51F6C0C05AA4B2B552720E	D0:4F:75:9D:C3:E1:CC:97:78:64:3A:AF:FB:A3:AE:3A:DB:7A:0A:62	E6:7E:5B:40:7C:8B:01:69:80:49:F4:5F:3A:6F:77:21:A6:8F:E1:25:C1:27:59:89:46:0A:C1:4C:10:E6:1B:AC



C=CA, O=Goldcorp Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Goldcorp Class 2 Certificate Authority	0689A8E1BA8E09B49DAAF50C30EA4 03E	71:4C:CF:F3:2B:ED:0C:76: 5B:7B:8F:CD:9B:2B:91:A5: 9E:A9:1E:86	B9:78:67:E6:5B:80:5D:78:1 5:3D:53:49:38:9C:7E:54:69 :5A:45:DD:B2:A4:A0:15:CA :D8:06:9C:63:FC:F6:69
C=AU, O=BHP Billiton Operations Pty Ltd, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=BHPB Secure Email for External Parties CA	2F11C3C0977580C9ABF3B8A40A377 3DB	EA:E6:E0:8E:43:14:30:40:A A:3B:A8:1C:F2:02:C6:9A:7 6:A8:4D:AE	2E:A4:E7:E0:AC:42:B3:BC: 3D:A2:D9:A7:88:72:09:BC: 8C:C7:95:8C:EE:1B:52:D2: 5B:4B:E3:0D:6E:95:AE:A8
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Secure Server CA - T1	4DEEDEC061BDB1054CD26EAB7F83 8E8	3C:25:D7:B9:79:97:BE:FB: D5:3D:D8:AA:8B:36:18:21: EC:F4:A4:75	2C:31:A9:2D:B8:88:91:32:E 0:4A:D5:F4:3D:AF:6D:42:1 B:85:45:10:C6:1E:41:C7:87 :CB:5E:10:E0:96:2D:C7
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 International Server CA - T1	6A64B0902DCFE7C61B551ED4F8D3E 829	15:B0:5C:48:65:41:0C:6B:3 F:F7:6A:4E:8F:3D:87:27:67 :56:BD:0C	F7:4D:A4:D9:A6:87:C5:04: 64:99:AE:FC:9F:A8:67:DE: 91:A1:A3:94:1A:09:F2:4C:F 9:46:03:B7:AB:78:10:8A
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Extended Validation CA - T1	33F5AE11193083147E5B66F31FED11 29	09:BA:2F:C6:04:B7:D6:63: 24:24:70:83:A4:B8:44:57:9 A:B7:F0:7E	D8:05:64:43:3E:D3:5C:85:0 E:2A:D5:89:B7:71:3A:4D:A C:01:A0:92:92:86:9B:DB:B 8:0E:42:E2:3F:93:36:EA
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Extended Validation SGC CA - T1	1A4CE18725E5C114B8C98DE0EBA99 AD6	C3:70:A4:69:A4:D2:20:BE: C8:5C:89:73:BF:C3:E6:BC: 3E:09:46:B5	6E:DA:D2:26:1A:A3:D5:3B: E0:D6:FF:5F:A7:1C:34:A3: 4B:25:3B:0C:63:7B:35:BF:3 E:96:65:40:F7:8B:63:1B
C=US, O=Thawte, Inc., CN=Thawte SGC CA - G2	18A2236CD727C7528DF67B4B856EF FED	BE:BC:70:D3:DF:2B:3F:8F: 55:AE:D9:83:BF:20:F2:E3:B 2:1A:36:F6	0C:EB:F9:7D:1F:AB:C6:47: 53:79:9F:7A:9A:50:8C:7C:5 F:2B:58:B9:28:FB:1B:3C:D C:6C:41:09:C0:CF:2E:99



C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test Dealer CA	5A2EC0CDC65C525582B5904583C0A D94	1A:30:E9:6D:31:54:01:39:4 C:E8:9E:0A:61:19:10:79:DE :E3:82:8F	43:25:F2:A8:87:0C:B6:A9:B F:08:66:4D:69:73:23:F6:25 :46:C4:09:07:F8:85:D6:A6: 40:70:71:B4:A9:B5:40
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test OTL CA	1CB7924D30D1588527E90502C4D55 C30	D0:D6:49:04:B1:5F:FB:D8: AE:E1:60:F5:08:81:CF:EF:5 D:7F:7A:A9	FD:9A:6C:86:AE:90:E3:F7: D5:51:1E:F9:68:35:7B:0D:0 D:74:FE:C0:C7:1C:03:7C:C 9:B2:9F:3F:29:40:F9:F9
C=CH, O=World Intellectual Property Organization, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)10 , OU=Class 1 Managed PKI Individual Subscriber CA, CN=WIPO CA - G2	25AE2B6BF299A2670DACDB5541128 9FC	35:CC:7A:22:4C:67:A6:64: E5:6E:4D:E4:D1:C1:21:68:E 5:33:CA:8B	FA:07:3D:67:B4:22:9B:DO: 63:FE:C7:70:E2:72:EF:25:6 C:19:6D:4B:1D:72:00:59:81 :88:26:ED:02:AC:78:11
C=CH, O=World Intellectual Property Organization, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)10 , OU=Class 1 Managed PKI Individual Subscriber CA, CN=WIPO CA - G2	51677AC886D7FDDDC930BF8621B04 658	54:E0:0C:B4:D4:D3:A5:38: 8E:6F:A3:75:6C:C8:07:AF:2 0:D6:A9:6D	5C:11:15:A7:8C:98:B9:B4:0 A:23:2D:E8:CC:A5:8C:DE:8 8:0D:D7:38:35:D4:0E:A1:5 F:4E:3F:A6:B4:E2:B2:86
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Dealer CA	2F115B7497409B4649FE6454B699C2 E6	C0:55:09:FD:DB:10:E2:56: 94:1B:AB:62:82:2A:A6:3E: C9:A8:B5:03	76:79:0A:E7:08:EF:BB:36:6 B:A1:92:A6:8D:50:81:0A:E 5:3E:82:A4:97:CF:F3:91:1F :88:8A:21:E0:4F:E2:D7
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS OTL CA	3AD29B805D7C64003ABF73716854D 8B5	D2:C7:CB:6E:13:48:3C:60: 04:00:9B:2D:97:45:5B:7F:F 8:F4:AF:A6	C7:36:74:03:CF:6D:5C:13: D9:69:01:87:92:6E:F8:96:C E:6E:74:13:50:80:C9:AF:D8 :C8:B1:53:24:67:AE:50
C=US, O=Oracle Corporation, OU=VeriSign Trust Network, OU=Class 3 MPKI Secure Server CA, CN=Oracle SSL CA	2585C838A4C935E383866B6BA2422 FC7	4B:E8:0A:AC:65:90:EE:FE:5 0:08:A5:A1:DD:33:40:66:5 4:BA:32:2A	7F:68:89:FF:E8:B0:20:45:E 2:CA:C9:9A:2F:2E:E4:F4:C 2:EE:D2:49:34:B6:52:18:72 :D3:4B:F8:12:67:1C:4B



C=US, O=Oracle Corporation, OU=VeriSign Trust Network, OU=Class 3 MPKI Secure Server CA, CN=Oracle SSL CA	71636635EBF3823D7E130959A2D8E5DE	5B:FC:FD:DB:69:63:A8:70:C4:91:13:A9:15:1C:E3:8A:C5:53:57:1B	C7:6F:70:98:05:98:C6:6A:8E:32:7E:17:B4:95:A2:27:62:65:C4:B9:A3:57:5E:FA:1D:55:05:02:A8:23:D5:91
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA	6C59EFA9E100E10EE306BA8FE0292559	F8:D2:C1:03:80:ED:A2:77:46:55:E5:61:9D:B7:D0:2F:7D:9E:85:0A	16:9D:AF:83:C0:87:0A:B8:92:7C:99:D3:FC:07:74:DD:F3:4F:BA:28:B0:2B:88:1D:CD:0B:63:3B:6D:71:B2:BA
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International CA G2	6F5702CEB98AFA056117CF64D000BA1	69:97:C3:B5:5E:32:D3:79:80:59:35:ED:80:53:1D:52:80:EC:33:BD	19:55:0D:F2:A4:3B:36:7A:FA:19:4C:34:F3:C3:CB:F8:67:8E:34:66:91:F8:95:F4:29:87:1E:EA:DA:53:F7:F8
C=US, O=Bridgewater Associates, LP., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)10 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Bridgewater Associates CA	650D6A1364244F149B658E2D4569E6A0	CA:9B:0F:00:A1:FF:14:1D:89:DC:3A:F4:D1:E5:70:EB:4D:C1:E4:53	D8:E7:9E:BE:D9:97:B7:64:E6:D0:DF:62:4F:2D:BB:4E:FF:2A:1B:60:49:C6:F1:A1:A1:E8:82:63:C4:3D:B2:21
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test EDC CA	1F1A016E607BB42F7D3FFFD45F92B69C	6B:56:D5:CF:E2:06:04:C7:6C:04:5A:D3:C2:64:BF:1C:F0:26:2D:D4	88:99:57:D0:05:61:EF:99:86:74:02:A9:01:35:9C:77:20:29:AD:43:CC:BE:46:B8:2B:F2:E7:19:3D:38:54:11
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS EDC CA	64BD88CDEE991BFEEB75ECB1327FF340	BF:3F:6C:7B:48:F9:50:58:38:A9:FE:D8:56:EA:A5:49:C1:20:8C:3F	4F:5C:36:41:95:68:CB:1E:70:84:FB:82:DA:CD:D1:01:5A:DB:1D:57:B5:C3:E3:F1:7F:7F:7C:A0:92:97:74:32
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test NF CA	00C44000CAA1D52AC4B323EFD7A5CC12	D5:96:00:54:B8:9A:BE:7C:3E:EF:4F:20:83:EB:2D:F0:93:5B:C7:D2	D9:E9:09:3F:BD:72:8E:05:24:0F:DB:4D:0D:F4:6B:7B:EB:9A:B7:E9:55:4D:30:CB:49:D4:68:1D:63:44:C7:5F
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA,	6365BA4F31FF7FE2E14F544B4CFDE2CE	B1:1C:83:ED:BE:C2:7D:EA:81:B5:1C:11:B4:55:86:C7:78:62:F8:58	8D:E6:CA:4D:03:AD:F1:9A:56:B3:CD:D6:DC:A8:43:C5:11:89:D0:A2:BB:60:D8:4B:9A:D0:1E:BC:74:1F:5F:22



CN=Telenor Norge AS NF CA			
C=US, O=Moog, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Moog, Inc. M2 CA	2356997B747D3A33BDA2607B29B6FDD2	1A:23:EE:11:41:CE:00:01:6D:E0:02:3D:AB:35:45:C8:C3:B7:BC:9B	01:C2:35:31:12:74:30:7F:44:57:E0:79:E1:E1:1C:CB:0A:B5:B2:A9:F9:91:9B:26:9A:5D:30:48:21:F9:3F:B8
C=SE, O=Volvo Car Corporation AB, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Volvo Car Corporation CA	7665CC717A151BB77B6549509996E8B0	B6:B2:DA:D6:8A:37:FF:CB:CC:9A:E8:0D:CD:68:E1:A8:9E:BE:D1:0F	00:71:2A:C5:31:4A:93:8E:0D:61:88:AE:8D:4C:35:66:AE:6C:6A:E9:EB:00:6F:BA:A5:DE:42:39:AF:44:27:A5
C=US, O=SCF Arizona, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SCF Arizona CA	74E69E47B90DA8CD2B901612B724801B	03:FD:CD:1D:7A:16:5E:83:46:D4:56:99:CB:2D:4C:F4:72:08:B3:11	BE:3A:96:2B:7A:F9:31:D7:AD:FA:F7:45:2F:E8:52:70:02:0E:F8:53:A5:DD:33:4A:ED:80:D2:9E:89:2F:03:91
C=US, O=CDC, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CDC Secure Data Network CA G2	298A747D8D4E7C7329A66CAC68065200	33:4D:3F:CE:4B:84:BB:59:4A:2F:B6:BC:09:A3:E0:99:77:A5:8A:D0	70:A0:FE:0E:DC:B4:89:8E:5B:B0:9D:F8:FC:6B:89:78:E0:2A:28:7E:DB:10:17:58:70:E8:1E:14:91:34:0C:5C
C=US, O=Adobe Systems Incorporated, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Enterprise Services CA - G2	792A2FAEFA33DF8FB7302A803C106E37	B2:BB:A9:C7:DB:86:8A:AA:D1:2F:AD:04:AF:96:D0:49:28:DE:D2:84	EA:78:91:2A:E2:E1:55:49:DD:A0:2D:74:CC:05:A1:8D:ADD:C2:18:DD:05:C1:3F:04:5B:26:43:3D:23:73:2F:33
C=US, O=SRI International, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SRI International CA - G2	74DB4F8C81D60841C73C964E0CA88BCF	0E:A2:F7:7C:94:0B:79:B9:A6:CE:4B:0E:D8:79:05:3F:B5:7F:49:09	5D:8A:65:72:2E:CB:78:42:EC:49:89:DA:6D:15:00:4B:EF:61:4E:BA:97:C6:0E:D9:6E:04:A8:41:44:BB:E3:FA
C=US, O=SRI International, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual	0C17A8665F5413BF7D62F67F53205C07	38:48:6B:1A:EB:A8:3D:7A:FC:18:87:4A:26:6B:BD:9E:A6:4F:28:D7	5B:6A:31:D1:4E:D9:8E:8C:F2:3A:11:5B:C4:5E:87:B8:EC:D8:2A:93:7A:29:DB:E0:EF:BA:3C:81:33:49:4B:74



Subscriber CA, CN=SRI International CA - G2			
C=US, O=SRI International, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SRI International CA - G2	7FE0C1DA1A8835CF59EBEDB0D63FCF	58:B4:A0:85:4B:99:65:90:E2:20:AF:2A:95:37:1C:F6:57:38:83:E8	12:4C:5A:3D:03:99:EE:D6:F0:A3:45:62:E6:9C:4A:88:31:D1:5A:57:5F:B8:FC:E5:61:83:B2:4B:33:FC:F2:49
C=US, O=SRI International, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SRI International CA - G2	0597D4A78033303F331AD87011580081	FB:DB:42:10:B8:29:EB:93:39:9A:0E:3B:09:12:0D:C5:7C:D3:1F:AE	8F:11:E6:AE:16:2C:D9:47:2C:AB:0B:6C:02:3A:56:D8:A4:42:BD:59:81:DD:0C:DB:BC:D5:D5:01:92:32:23:B7
C=AU, O=ING Bank Australia Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ING Bank Australia Limited CA - G2	53425F8996D1133B76B6E74D58B6889E	47:C3:13:E7:3B:AD:DC:41:E2:1C:C1:E6:5B:1F:B1:CF:50:B9:9C:F4	1B:5B:77:93:29:3F:34:42:55:F3:11:17:A5:FE:DF:A7:9D:2D:36:F1:5B:43:0F:FA:4F:C8:E1:03:1F:69:AE:F7
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International Co-branded CA	3FBB6C2F2B520AC80A627A1A6147833E	5D:D1:68:2A:4B:C4:1F:13:A6:A4:C0:71:2E:B6:89:63:05:31:E8:6F	E8:A7:B9:33:5F:B8:25:7B:E2:FB:F1:F1:7A:DF:BD:12:98:98:F9:3B:DF:4E:BD:59:67:E6:9D:25:4C:46:BB:57
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International Co-branded CA	1F19A0893456DB59BEF0D16A9634622D	CC:F3:B9:8F:FE:7F:3B:66:C3:0B:1B:58:F8:E3:6C:5B:CB:6D:9F:F4	7C:93:2E:87:09:83:5B:EC:74:AA:B6:F0:2E:95:8D:F7:09:95:B3:FE:D5:FE:4C:37:5D:66:B1:22:85:55:D8:ED
C=US, O=ARINC Incorporated, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ARINC Public CA - G2	0A41E2D91389E2C4B7AEBD2C1CDE1E00	B5:F7:2C:2A:A2:0E:46:5C:88:65:15:FC:A6:D9:36:6F:66:65:99:86	8A:8D:4C:A7:74:F5:49:64:57:8B:37:1A:BD:8B:05:59:37:E8:B7:A0:CD:B6:59:A3:15:0E:B6:48:89:30:E6:61
C=CA, O=GREEN SHIELD CANADA, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa	2F463F154CFDBD1F22CE07F0EDF64003	70:61:81:AA:62:11:45:94:75:AC:2B:7B:24:FF:B8:92:C8:87:88:78	6A:71:46:31:90:34:A1:F3:80:E6:B3:2A:8F:AC:00:69:EB:1D:33:24:77:F4:EA:D3:37:62:F8:A6:14:A5:52:F2



om/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GREEN SHIELD CANADA CA			
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International Co-branded QA CA	27F62088D2D4BA9A879E0B58F35DFDDB	94:CF:D1:93:50:62:16:5D:03:FB:26:73:59:D3:57:B1:B6:07:B4:43	0E:45:4C:9F:C3:36:11:BA:88:3B:37:72:CD:29:13:39:C8:FC:ED:15:7A:3F:C5:C6:AD:D4:D6:D4:40:63:5B:54
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International Co-branded QA CA	7E91DB88F203F7890A33EDE7EA8D0937	DE:B0:67:FA:50:7A:C2:41:3B:C8:29:28:9A:24:8D:96:26:09:FE:1F	87:C0:BA:E2:75:BF:11:F2:5A:E3:29:0B:3E:81:0D:97:E8:29:7F:27:6C:57:6C:DA:A9:AE:B5:FA:EF:C4:CD:22
C=US, O=Key Bank National Association, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Key Bank CA G2	2D9366BBC47FFBF5C3534CBCAB44989	65:FA:B1:8D:9C:F3:B6:3C:A7:D1:7E:3D:66:D9:1D:F1:39:EC:90:08	F0:CF:E7:BE:D5:73:F7:87:AA:DC:3B:01:03:9D:A9:80:F2:19:90:F0:7F:0E:4E:16:3B:BC:AA:31:2F:D1:00:18
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 SSP CA - G2	0557E079E1C3DC67D64818B75CB2EA97	4D:62:6A:46:78:53:86:9E:B3:E2:60:28:9C:96:05:20:D7:99:81:A9	3C:18:17:6F:EB:A1:D2:0C:8B:FA:7B:48:40:66:E2:A5:82:5A:22:62:37:E1:E7:BE:38:28:E6:F6:C3:77:1B:23
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation SHA256 SSL CA	09B749FD7F0B4916CA055656CFF6D982	CD:F4:28:A8:90:D3:74:8C:5D:28:ED:1F:4C:69:49:9A:3E:16:F1:33	1F:9B:31:F8:20:92:9E:BF:A0:31:17:EC:2B:77:BA:6B:0F:B6:EC:C9:E0:27:68:2A:55:93:78:DA:31:1C:54:EF
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Secure Server SHA256 SSL CA	69879419D9E36270749DBBE59DC6685E	E7:32:73:E5:3A:CF:E8:0F:41:0B:3E:F4:6B:18:02:87:A0:04:40:CD	E0:89:8A:D6:62:47:4B:9F:75:3C:79:BE:A8:78:03:1C:9A:5D:63:4A:49:ED:D6:31:0B:96:0A:0B:23:C0:2C:0E
C=US, O=Agilent Technologies, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Agilent Public CA G2	647D3E21AFB097D3BC10034285CFA898	21:87:E1:D8:A7:DE:AB:16:FE:E7:B8:89:63:0F:FD:58:4F:BD:9E:B6	04:A4:99:31:5A:0C:F3:5C:B7:E8:2F:2B:DD:73:9F:70:E7:8E:AF:51:EC:3A:CD:D3:91:46:B4:7E:F8:EA:63:5A



C=US, O=Agilent Technologies, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Agilent Public CA G2	44BFE7C89FC876256EF4A5E34473F1	9D:B8:58:57:BF:AF:C5:0C:2E:96:41:B8:2B:2C:13:83:D A:E4:B7:61	6B:E4:73:2E:5C:0F:BB:61:A4:F8:B2:EE:D0:A1:C4:7A:B7:FC:FA:55:9F:D5:EF:3D:52:50:D2:0E:74:50:3A:83
C=US, O=General Electric Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GE Enterprise SMIME CA 1	3C2D52A1F2C62E841A1338D04AC84BD3	C1:57:66:BA:E4:08:FD:47:4F:7B:AE:E3:46:3E:63:82:33:72:F5:75	0B:1D:4B:AC:05:4B:0D:CB:58:66:CF:73:F1:85:69:59:B3:FF:DE:E5:04:56:00:1F:FC:6D:F0:E3:57:48:AB:92
C=US, O=Federal Retirement Thrift Investment Board, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thrift Savings Plan CA - G2	749215D9D79EAE5E639174EC685099B	04:6E:F4:EE:E3:70:BC:7C:80:88:BE:A4:96:22:22:7C:B9:64:65:4A	87:87:4B:27:5B:A5:E6:19:8C:A4:DD:68:C3:5A:5A:71:54:FE:16:35:C6:3B:15:F9:D5:73:A2:CA:3A:82:0A:46
C=US, O=Federal Retirement Thrift Investment Board, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thrift Savings Plan CA - G2	579BF799C1C439BD1C6770AB9383AC3E	5F:F5:76:CB:17:C1:21:13:3F:8F:98:66:9F:FF:26:7A:22:D3:DD:83	6F:E9:69:B0:E3:29:56:CD:A8:27:A4:08:4F:93:30:C9:55:9B:B9:10:29:1B:9A:41:07:C3:C4:70:77:44:11:D1
C=US, O=Aditya Birla Minacs Worldwide Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Aditya Birla Minacs Worldwide Inc. CA	44AFE307E17F75740514A9CB4682823D	62:66:A2:89:0A:0A:BF:FA:CD:DF:73:33:CD:D8:78:74:0D:90:6F:0E	B1:6A:65:1C:06:83:E8:04:D4:10:0C:21:0C:70:61:8F:4A:BC:87:81:76:45:28:AF:8F:03:65:8F:EA:31:8E:15
C=US, O=Brown Brothers Harriman & Co., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)11 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Brown Brothers Harriman & Co. CA - G2	2EFFA325E600BC7650223A75B822F6F7	17:E3:19:29:DB:C7:15:36:8C:36:B6:3E:A7:8E:6A:C9:1A:19:CE:0A	70:82:42:7C:D4:68:34:AE:F6:65:5A:BA:DD:89:8D:E0:1F:9E:1A:98:8E:75:34:01:EF:81:A0:A3:74:10:AB:78
C=US, O=Brown Brothers Harriman & Co., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)11 , OU=Class	62669525B7998320608301B9E8464999	87:2B:3F:AB:6D:F3:E6:73:AB:63:5A:41:43:E1:D6:ED:A2:D3:8C:8E	CF:BF:98:8B:04:B4:18:42:82:4B:28:79:99:09:2E:B3:AB:6C:D8:DF:CE:B4:9B:D3:D5:D4:83:45:A5:B4:81:8B



2 Managed PKI Individual Subscriber CA, CN=Brown Brothers Harriman & Co. CA - G2			
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Shared Public Organization CA - SHA1	2CD28B18754D012A4E3D7AF21567EB67	DD:5E:46:EF:42:38:2A:A2:40:84:25:52:DE:77:EC:95:40:61:51:52	A8:29:44:4A:D2:FB:48:07:9A:59:5F:BB:D8:8C:4E:65:8E:E2:08:9A:5E:12:9B:89:AA:AC:CE:85:11:98:FF:D7
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Shared Public Organization CA - SHA256	63E8F4DEFFC155416A7B978E661ED14B	AA:75:89:03:CA:A1:99:2B:0C:F1:C8:A9:3E:F1:5D:8D:41:28:9A:CF	2F:72:01:9C:B4:5B:07:AB:05:CB:1B:B8:EC:C3:07:6D:70:72:66:0B:57:A2:9E:42:EB:E2:AA:57:B8:3B:C6:0B
C=AU, O=Fuji Xerox Businessforce Pty. Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Fuji Xerox Businessforce CA	1ED74DBF3743DF23316E198B217D264F	EB:3D:03:EB:C8:3F:E3:BD:60:BE:BB:96:66:E6:5D:A8:2D:78:F7:BC	AA:4C:BF:40:A4:33:B6:CE:E6:23:BA:61:45:7B:41:05:2C:0A:3A:C7:DC:A6:1E:0E:EF:BA:32:F2:CD:7E:38:CE
C=US, O=State of California, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=California Correctional Health Care Services CA	40F7C09406C720A54472CC12B3B11640	C8:B8:19:48:4D:E6:0F:92:FE:B6:CE:63:20:0C:D7:2B:73:7F:0B:B1	9A:82:B1:E3:1E:8E:77:D1:17:F8:F8:84:75:47:CD:95:4C:BF:24:25:1A:41:20:F7:10:BE:3E:82:2F:A3:A8:11
C=US, O=Identive Group, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=idOnDemand CA G2	272C3C520C3F7C08F684F484D8C7F5CB	D0:DB:44:81:BA:B8:AF:29:2E:9E:31:2B:77:02:D6:0C:7A:59:77:B3	B8:12:A3:15:6B:BB:9F:0A:AB:F8:F3:6B:E7:2A:95:38:89:36:27:20:70:C4:86:0D:BD:D4:95:5F:0D:59:B4:86
C=US, O=Identive Group, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=idOnDemand SHA-2 CA G2	2801E6E04E8D88F3E1C5FB44FD872D13	56:87:44:5E:C5:DD:82:CC:88:44:AE:D9:17:31:CA:7C:B5:A8:FA:A3	36:CA:B8:A8:61:39:B8:24:76:AE:82:4E:E4:93:9A:92:08:8E:6F:16:C2:BD:27:0E:E3:49:BF:9D:5A:9E:33:84
C=DE, O=LfA Foerderbank Bayern, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=LfA Foerderbank Bayern	5642B0D3EDE4EEC766E0F534B48C2210	25:A5:B3:26:A6:45:95:7E:B6:E6:2C:C8:1B:1B:83:93:4F:0C:8C:51	C0:33:66:68:30:6A:9A:F0:7E:39:6D:39:30:27:49:74:2C:17:D7:09:CF:89:A3:6A:AA:21:C0:1E:83:64:81:38



C=US, O=Blue Cross Blue Shield of Florida, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Blue Cross Blue Shield of Florida CA G2	0AC392A3E0BA632E60FB4808D555CF39	AB:F6:AE:DB:4E:26:41:E4:04:C3:74:2E:67:19:66:12:61:46:78:90	2B:6B:47:6D:7B:6F:01:18:82:26:DC:5A:73:5A:B9:44:27:B7:00:0D:31:FF:FD:96:78:E9:E7:04:A8:BF:4B:B2
C=US, O=Blue Cross Blue Shield of Florida, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Blue Cross Blue Shield of Florida CA G2	49DC24D27941748680BA8BA5AE20E53D	E5:B6:A6:9B:6D:67:1E:C7:92:41:6F:ED:32:35:88:42:BB:78:3B:F1	F8:5A:6F:15:47:43:71:B4:CA:CB:75:3C:C0:9C:3B:ED:71:39:E9:C3:5B:21:E9:57:71:C2:27:29:7F:F0:25:E2
C=US, O=Administrative Office of the U.S. Courts, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=AO USC ROOT CA	00D86CA5017CF55869BB4A9BA4243B76	49:4A:5D:98:99:85:E4:B3:FA:0F:2F:E7:FC:72:9B:2C:7E:CC:83:16	70:FC:4F:59:FA:70:CB:B6:A2:4B:2B:64:44:E0:D0:97:33:B1:C4:A9:F2:8A:6B:20:6C:11:05:79:05:5E:1F:D2
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Registration Authority Intermediate CA	026C067ACE225063C5F00EB132C9D939	AF:E0:6F:31:21:D6:0C:3B:EA:BD:64:2D:9C:6F:BC:7E:A0:03:E1:4C	83:C9:35:F3:4C:50:B7:66:54:09:40:4A:FE:5D:FA:07:AD:CB:5C:7B:52:B2:BE:F0:AC:6E:99:3C:00:54:5D:76
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Registration Authority Intermediate CA	14D33F07E6160DB59D898CDEC14751A5	CC:F5:3C:01:49:EF:C2:BD:94:47:FA:48:02:BB:00:E6:D0:70:81:EB	5B:69:0E:1C:D2:BC:00:16:E4:DB:2A:AB:AB:50:37:45:E4:1F:86:B2:44:8F:2E:C0:6D:29:F2:49:99:DE:BC:A2
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, CN=Symantec Class 3 Registration Authority Intermediate CA	25090050CE7814FE6F62E10625CBD EA3	77:72:B0:DD:5F:C2:DC:72:80:C9:B3:30:FA:15:51:FC:78:E3:4A:B5	CF:A1:F1:93:79:D9:F0:A3:FC:8D:44:06:49:66:B6:97:12:76:0A:E4:75:91:D8:65:1B:76:33:17:54:69:A8:A7



C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Admin Intermediate Certificate Authority	4E2545EA7B4811D46F89BB855BDF324D	42:81:D0:3C:0A:22:59:61:54:76:71:DF:0B:AF:6A:93:CA:BC:B6:8D	06:2A:76:E5:19:6E:4C:62:20:AC:A7:D3:2A:A4:19:76:11:01:37:4C:11:86:6C:36:27:D5:F8:A0:55:EC:E2:CE
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Admin Intermediate Certificate Authority	38CDC26A02ABA9B2494C55785B01132	E3:25:61:06:E2:41:57:DE:25:CC:84:AB:31:90:48:32:8D:FD:08:9B	6D:0B:D6:E1:AC:0E:C3:98:EE:85:37:90:6D:98:F3:78:FC:7A:B4:9C:1E:29:6A:F2:33:37:4F:A5:A2:71:DB:34
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)11 , CN=Symantec Class 3 Admin Intermediate Certificate Authority	1FC4E48C98DE1214407D6E316FCC8E3E	E0:61:A7:A7:19:A2:D6:F1:E6:03:26:A7:4F:B2:D0:63:FC:C4:43:D1	F7:1B:3E:31:B6:CE:7D:73:5E:78:1D:B1:56:CD:D7:7F:99:3A:3B:7A:14:19:50:5D:9:A6:D1:5C:0A:97:C3:B3
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Shared Intermediate Certificate Authority	7685CB07A8E0CC0FD2C54D8F3935B312	15:24:50:2C:A9:95:BA:BD:76:88:23:1D:58:D5:6E:12:D4:DF:F2:DB	52:65:BC:A0:D3:1C:47:DB:16:C3:59:C5:DA:88:B4:C3:10:FA:0D:4A:B1:A8:6F:F7:E2:D5:BF:A1:54:6C:55:59
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Shared Intermediate Certificate Authority	1935587E2C208EB44D498092FB667564	44:0D:16:F3:18:10:55:5B:2E:C5:2C:43:9D:55:DC:BB:60:B9:FF:AD	0F:E7:E3:78:1F:96:03:BB:ED:69:B2:14:58:42:FA:87:82:F5:52:BD:35:F3:D4:38:D6:95:78:79:40:14:E9:1E
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)11 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Shared Intermediate Certificate Authority	0E48EEFAD33A9D6B265CCC253EBF3F3E	03:2F:3F:EF:A1:CC:2F:B0:FC:77:5B:01:6F:96:BB:E1:52:4D:90:64	CB:38:7E:39:2A:90:E8:B1:A3:82:BE:8E:DB:9E:7B:29:43:E9:00:2F:73:A5:63:F1:8B:06:14:22:18:F1:11:8C
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at	2CFEB6090EE2ADE2E9FC223724F1B6BF	12:C9:B2:91:D1:9D:36:32:D4:4F:10:69:55:1C:46:49:0A:EA:05:42	5B:9F:35:0C:2A:76:BE:64:BB:3C:2C:6E:2A:41:4A:ED:DD:0E:F0:A2:6D:7C:97:FA:7A:F5:7D:52:0C:60:B2:E9



https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Secure Server CA - G3			
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Secure Server CA - G3	6ECC7AA5A7032009B8CEBCF4E952D491	5D:EB:8F:33:9E:26:4C:19:F6:68:6F:5F:8F:32:B5:4A:4C:46:B4:76	64:90:35:46:A5:80:58:D1:E6:F1:BE:AD:11:34:ED:E6:6A:68:31:D2:31:F0:DF:8D:4E:28:53:5D:7A:30:04:96
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Secure Server CA - G3	7916E894B11C76FC5C43F5168924261F	91:88:F8:85:10:6E:81:EB:AF:BB:11:83:71:3D:11:43:53:6B:95:E9	31:DC:82:EA:89:15:E2:7D:03:BB:D0:43:36:58:A3:C2:4C:6D:3A:CF:F4:8C:4F:AA:CO:2F:E8:7E:94:C9:9A:3B
C=DK, O=A.P. Moller - Maersk A/S, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=A.P. Moller - Maersk Certification Authority	47BA978E3FC8F2BD5CDDCC1712F76868	01:E5:5D:EC:F6:35:D9:60:7F:EE:D3:98:E0:22:35:27:67:5C:B8:6B	CD:C4:53:96:93:04:BE:E6:A5:8D:9B:AB:C0:AA:C4:C4:CE:21:56:A1:C1:72:A2:58:5E:54:60:79:14:4E:4E:58
C=DK, O=A.P. Moller - Maersk A/S, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=A.P. Moller - Maersk Certification Authority	37F4E47DEAFA3B3E483A229F69CA2F4	A6:1F:1A:69:51:B1:FC:EB:A5:F1:61:CB:57:66:D2:27:B8:A6:A1:D1	8A:A7:7B:B7:AD:A3:B5:0A:FF:1D:DD:90:12:C5:D7:3B:0D:9F:87:22:BE:DF:CE:E0:B1:DC:0A:CC:B0:DD:1E:0E
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 International Server CA - G3	641BE820CE020813F32D4D2D95D67E67	B1:8D:9D:19:56:69:BA:0F:78:29:51:75:66:C2:5F:42:2A:27:71:04	6E:21:87:6C:F1:63:47:20:1F:63:7A:17:8C:B4:2B:17:1D:52:37:9A:F7:E5:F5:B6:F6:75:5B:3E:E9:BB:2E:D4
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10,	326AF958B76C7F6F39A86850D37FC42D	E5:AC:F7:ED:FC:38:30:AC:D1:0C:EF:76:08:3B:D3:2F:1F:02:64:DC	33:02:60:A6:9C:08:87:F1:B9:A4:98:30:2A:EC:FD:A1:7D:E8:9A:81:9C:7E:57:E2:8C:40:A5:30:80:BE:10:E8



CN=VeriSign Class 3 International Server CA - G3			
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Code Signing 2010 CA	5200E5AA2556FC1A86ED96C9D44B33C7	49:58:47:A9:31:87:CF:B8:C7:1F:84:0C:B7:B4:14:97:AD:95:C6:4F	0C:FC:19:DB:68:1B:01:4B:FE:3F:23:CB:3A:78:B6:72:08:B4:E3:D8:D7:B6:A7:B1:80:7F:7C:D6:EC:B2:A5:4E
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Code Signing 2010 CA	3D881D656DEA1C951F09E1DB52DD9C07	5F:C3:86:A0:E8:B5:2B:33:76:D8:4F:54:EF:FE:79:8F:BD:43:85:59	19:3A:2A:64:C8:2C:92:0C:BC:2A:3A:2D:03:2A:A1:F8:E5:F7:F3:48:30:58:71:0F:0B:6A:0F:BB:EB:69:7B:69
C=US, O=The ServiceMaster Company, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ServiceMaster CA	60A6360C7D9889A65E9B388F42AF0CA8	BC:FB:AD:F0:B8:75:AE:2C:F4:C3:3C:B8:86:98:93:42:12:EE:13:42	2E:26:D1:55:C1:B8:12:40:4C:41:E7:36:0C:F1:D9:3D:46:64:AE:26:72:74:F6:4B:81:14:BB:E7:98:1E:83:B2
C=AU, O=BHP Billiton Group Operations Pty Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=BHP Billiton Group Operations Pty Ltd Secure Email CA	03021D1509D2D5375CAEEA914FC4C853	C6:70:D3:3A:C8:74:35:4C:CE:CC:12:AD:5B:1B:34:39:7C:CC:76:3C	67:C0:A4:82:62:93:FC:FC:61:E5:7F:B4:96:44:3C:84:F0:35:49:6E:21:20:FC:80:C5:51:AD:3C:37:75:E3:68
C=AU, O=BHP Billiton Group Operations Pty Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=BHP Billiton Group Operations Pty Ltd Secure Email CA	3EBFBB24F4238A5812B05B652F972E51	F7:A8:9B:13:1E:83:D2:AE:8F:55:E0:10:38:4B:5F:9F:04:F2:BA:DD	0A:9D:BB:4B:E5:DD:B8:EE:F5:4E:E1:3B:36:EB:97:DD:8B:EB:FD:7B:0A:FA:8B:9C:9A:21:5E:B7:24:A4:E8:8D
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Persona Not Validated,	38AB002FFFAE96B756FF395AFB5DE71B	2F:75:63:CB:C7:F7:61:15:47:1C:AD:B8:53:C9:E4:19:AC:DD:A6:CD	CF:47:B3:70:76:1E:9C:A4:80:96:CB:DB:0C:34:B6:14:29:95:7E:41:07:80:33:9A:0D:00:5D:73:E3:71:20:4E



CN=Symantec Class 1 Individual Subscriber CA - G4			
C=US, O=Thomson Reuters Special Services LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thomson Reuters Special Services CA	7926C71D3974E1432399A1455C01978A	E6:0A:DA:C9:57:C0:F0:7D:79:1D:A6:58:3A:81:D5:31:22:17:DA:02	BF:C0:5B:C2:49:D9:2B:89:2C:E2:88:A0:E8:5F:0E:96:BB:91:50:F7:41:71:9D:9B:73:EB:41:EB:89:D4:92:41
C=GR, O=Alpha Bank, OU=VeriSign Trust Network, CN=Alpha Bank CA	7BD7E9F29A09E230EAA47C5573EED2A0	7C:21:73:74:BB:3F:C6:DD:50:F3:AD:A7:CF:F6:BB:52:D2:F8:B8:C8	A4:63:DF:D8:D2:D5:A3:13:A5:A6:24:73:47:64:C1:B9:14:9A:5E:09:38:59:C3:E6:EC:1E:2D:56:B8:FD:D7:C2
C=GR, O=ALPHA BANK, OU=Symantec Trust Network, CN=ALPHA BANK CA - G2	1083683F36B4D79192A4B1694A5AD2C3	38:43:88:4E:0F:B9:27:6D:7F:D9:1E:1F:56:19:EF:19:B4:1A:DC:0C	D4:F4:E9:71:98:21:1E:5D:9E:80:28:4E:E4:DF:A1:CE:BF:4D:FC:AB:FD:D3:26:5F:C:F:3D:64:25:12:D4:FC:C7
C=GR, O=ALPHA BANK, OU=Symantec Trust Network, CN=ALPHA BANK CA - G2	1FBB5DC787A9217CDAB7C325BB4C1D85	C1:C5:0A:E0:52:10:5C:16:02:4C:C7:8F:1A:46:D8:D7:A4:10:ED:B1	9A:18:34:37:33:25:53:74:D2:A9:6D:77:0E:B7:A7:B7:6E:C4:4A:89:75:F6:F0:6A:F7:84:BF:3E:F5:E1:F7:D4
C=AR, O=Bolsa de Comercio de Rosario, OU=VeriSign Trust Network, OU=Terms of use at https://www.certisur.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Bolsa de Comercio de Rosario - G2	7B7C2F05303310B160FE4931B6A63647	73:AC:7A:B2:20:EE:33:12:C9:53:CC:57:14:F7:A1:0C:C7:E5:25:AF	D0:71:48:B5:3F:F8:D0:E1:70:D7:14:EF:B4:F2:65:DA:D1:FF:40:38:72:D9:ED:D5:FE:BB:39:4F:BE:E4:CB:72
C=AR, O=Bolsa de Comercio de Rosario, OU=VeriSign Trust Network, OU=Terms of use at https://www.certisur.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Bolsa de Comercio de Rosario - G2	01AAC263A9BF254A59577E526973F956	03:6E:C3:C9:97:95:A0:99:D6:EB:92:91:94:CB:7C:3D:CF:8B:C3:1E	47:9C:81:9F:A2:F3:18:E9:D2:91:08:42:B0:45:60:7B:66:C4:BE:BC:AC:DD:49:DB:44:12:85:98:46:14:5A:B7
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, OU=Terms of use at https://www.e-sign.cl/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=AR Estado de	2243F960DC12040BB28E208042CF4622	FF:2D:19:91:0A:C1:47:79:9D:0B:BC:85:6D:34:C4:AA:82:2E:5C:94	7B:82:A6:5F:1A:00:3D:33:3C:48:E5:66:A9:7D:73:92:3C:18:67:62:C0:7A:E9:76:AB:45:6E:ED:EF:28:4B:0B

Chile CA/emailAddress=e-sign@e-sign.cl			
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, OU=Terms of use at https://www.e- sign.cl/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Admin - AR Estado de Chile CA	110F05BA4558A4B8FF548B4CE9FC5 82E	AE:11:C2:76:6B:F2:6B:E6: C7:74:A2:CA:5A:EC:0A:FC: 34:0C:F4:79	7B:4F:CF:EA:C7:0B:D4:AF: BF:A2:D8:30:35:DC:F6:3E: DA:12:8F:C0:99:B3:DC:AF: CF:76:A6:6B:0B:68:EC:6E
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, OU=Terms of use at https://www.e- sign.cl/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Admin - AR Estado de Chile CA	6DF2D91E9FCF137883212F6037EB5 8B7	F6:66:01:65:CC:F2:DE:67:7 A:67:D1:15:C0:DD:59:82:3 9:11:01:5B	56:35:66:5E:B6:7A:41:64:C A:A9:E4:52:C2:F4:84:23:C B:EF:E0:65:07:55:9E:BA:A3 :69:A0:51:58:59:7F:1A
C=AR, O=Banco Itau Buen Ayre S.A., OU=VeriSign Trust Network, OU=Condiciones de uso en https://www.certisur.c om/rpa (c)07, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Banco Itau Argentina	6C5D61EA3A49CE482234BA299F7B3 F33	07:2B:97:9B:0D:F3:34:EE:9 E:A5:4F:80:63:FF:17:40:04 :96:19:3C	6C:70:26:90:A7:F0:A1:A0:4 1:5B:FB:6B:0F:AC:04:40:A 0:DC:19:8A:E0:31:E8:3C:9 5:B4:6D:F1:21:1A:A9:24
C=AR, O=Banco Santander Rio S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Banco Santander Rio - G2	5F0F49A1AB70E5C2DC0346B261D95 CF2	16:86:D8:E1:50:B9:C1:D1: 77:7C:E2:65:BD:56:45:7C: D0:19:28:68	C7:B6:88:79:23:74:03:95:0 E:17:F2:BE:62:04:83:48:43 :21:1E:04:D3:A8:85:63:25: 68:A7:76:36:E5:BF:3D
C=AR, O=Banco Santander Rio S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Banco Santander Rio - Empleados G2	4A011D4FD833AF159925560F5E421 880	C6:2D:65:94:0A:01:04:A9: DF:10:89:1E:9E:F3:27:CF:5 D:F4:46:30	41:00:F6:07:03:23:E5:8B:B 5:15:92:90:C2:4D:30:05:60 :1F:87:56:87:66:5B:48:EC: 4D:F6:5E:3F:1A:8A:C2
C=AR, O=Banco Itau Argentina S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA,	56B98EF0CB200DBC874E0EF94905F B3F	6D:E1:A1:8F:42:AA:B0:16: EB:41:DD:3F:9A:B3:F5:76: 69:35:7A:E0	C9:51:DA:EC:BD:C5:97:63: C6:68:18:25:DB:ED:07:80: C3:E8:92:1E:1E:76:E9:AA: D3:14:6F:1B:0C:18:F9:B9

CN=Autoridad Certificante Banco Itau Argentina - G2			
C=AR, O=CertiSur S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante CertiSur	7AB072A95F4221C4529A9C6E0C433 EEE	76:E6:BA:18:99:87:E4:CC:2 9:A0:33:F7:EC:3E:D6:5E:3 B:3E:F9:ED	C8:56:F8:54:F6:FC:94:EC:4 D:49:6E:6C:DA:E6:C6:6A:A 2:D8:CA:FD:BF:87:C9:28:B 9:89:8E:32:7B:96:2A:3F
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Individual Signing RSA CA	262CBFB5F36D78A360BE1DC844628 D1D	3C:8B:FC:F7:C6:04:7C:6E: DC:9D:2F:EB:2F:10:C2:2D: 71:15:19:AC	4E:74:47:5D:2C:33:E1:DD: 47:32:30:6B:79:71:2B:5E:E 6:99:7C:2D:BD:F5:96:CC:8 B:D1:36:21:63:DA:A4:F4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Individual Signing RSA CA	4C1215ABFA0B8D9D1C5FD23BC11F8 963	47:EE:74:50:4B:E5:39:10:2 D:AB:EB:74:E3:99:7D:89:0 5:24:E1:70	8B:92:18:D9:3D:B5:37:7C: FE:7D:59:23:E7:01:6D:37:9 D:44:6F:00:19:C4:7B:9B:4E :A7:37:AE:DF:86:A5:58
C=AR, O=Bolsa de Comercio de Rosario, OU=DigiCert Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Bolsa de Comercio de Rosario - G3	1022F719D58DFA97E0BF5CC844813 2EB	65:FA:B9:3C:94:31:98:6B:0 1:41:5F:9B:58:22:77:5A:7A :3E:93:F8	0A:0C:20:0D:F9:CF:54:59: AD:F0:DD:42:DC:2E:EE:10: B1:31:8C:5B:1C:52:45:16:7 2:69:51:1F:65:B1:AE:65
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Individual Signing ECC CA	6173A4BB44B30E7D2878C203640B5 9C0	EB:06:39:99:1D:65:51:F8:D D:30:C5:35:22:0F:12:1E:FA :E4:3D:77	10:9A:EA:4F:36:78:23:98:9 B:6C:36:38:A5:69:33:AD:C 6:82:EE:BB:2F:65:5A:16:E6 :36:32:63:B4:A7:29:DB
C=DK, O=Maersk Line A/S, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)11 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Maersk Line Certification Authority	7044A752EAAEC77FE4E034C54C0BB 97D	11:B4:BE:51:AB:92:EB:49:B F:F6:0E:27:6B:BD:60:D8:E4 :58:4C:7C	00:59:C3:0A:64:B1:8C:37:2 D:31:6E:B3:73:C4:D6:87:0 9:1E:D2:02:C4:49:9A:B8:C 1:D5:D3:D0:F1:2F:16:89
C=BE, O=Safmarine, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)11 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Safmarine Certification Authority	6779C0EF7D84B7F9FB93C38DA4084 3C7	33:C4:76:31:16:39:6D:7E:3 0:A6:2B:89:45:2F:8E:51:A2 :E4:6D:12	4C:3F:6F:55:76:A9:34:FC:5 9:76:58:3C:C4:C3:03:9B:00 :A8:F9:10:11:B6:10:4D:F1: D7:EE:48:C2:82:F9:4B

C=CL, O=E-Sign S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=E- Sign Firma Electronica Avanzada para Estado de Chile CA/emailAddress=e- sign@e-sign.cl	1AA36A62F96D7C9DDA98344621E8F 143	47:A2:B1:88:A1:F0:84:C5:8 B:8F:B8:27:03:8A:AD:5B:3 8:E4:F9:6D	5D:ED:D2:9F:82:C4:BB:95: F2:EE:6C:B7:24:7E:7E:6C:5 D:DF:6F:8A:34:2C:40:A9:8 E:F1:4F:7D:E0:77:A5:CF
C=AR, O=Bolsa de Cereales, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Bolsa de Cereales - G2	66F19AEEB1A2BD899CB598BD7A848 40C	D5:F3:30:C9:C9:E9:53:F4:0 1:31:1C:C3:6C:AD:EF:2F:A E:AA:81:AE	54:E3:76:20:BF:05:CE:AF:B B:22:86:EB:25:1F:69:43:4C :84:67:7B:81:22:29:9A:F2: E0:77:50:34:12:68:E2
C=US, O=U.S. Nuclear Regulatory Commission, OU=External Basic, CN=NRC Basic CA G2	5DF3151772561A98D859E547E974C 91A	04:31:CD:9C:85:B4:34:61:8 3:58:B4:61:4F:83:9A:E7:0A :7D:E1:DE	C4:0D:6A:B7:5F:7E:5D:11: CF:7B:04:04:AC:7E:43:21: A7:A8:B0:DD:F7:63:13:28: F3:D7:CC:80:D6:64:4E:2B
C=US, O=Oracle Corporation, OU=VeriSign Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=IPsec CA	2332681DF4F0A9B05A0658F4B2784 61E	D9:BD:2B:A5:FF:61:F2:4C: CE:F7:10:BF:83:86:D6:40:E E:0B:DF:7F	8C:DC:B6:24:73:FE:6A:EA: 3F:A7:CE:06:5B:FB:09:2D: 45:23:35:63:C3:3A:B1:6C: D9:98:5B:7A:0A:14:A0:7E
C=US, O=Oracle Corporation, OU=VeriSign Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Object Signing CA	2EA2317F6E2B8FC144E66D7961624 723	6B:C6:CE:A5:1D:A1:4D:E5: 86:A9:A3:5C:EF:79:CF:12:3 9:15:E9:8C	FD:70:A5:04:12:71:0B:B7:9 F:B4:2B:D3:97:85:DC:47:8 0:ED:73:2A:15:82:96:25:1A :6D:AF:BC:C0:60:26:98
C=CL, O=CertiNet S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CertiNet S.A. Firma Electronica Avanzada - G2/emailAddress=certin et@certinet.cl	2734B44CCF1F20EC5F24A52849DF0 5A8	9A:D0:06:75:24:CA:98:ED: 1D:A2:6D:E7:80:40:4F:A7: 4C:43:35:51	16:3D:DE:CF:86:B4:70:8A: 77:70:5D:10:6F:D6:30:C3:0 3:31:B1:07:0C:4B:D9:A3:6 3:74:AC:0A:68:A8:3D:D7
C=CL, O=CertiNet S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CertiNet S.A. Firma Electronica Avanzada - G2/emailAddress=certin et@certinet.cl	02A6946F5A61CCE0261D88CAAB7B3 4A1	2D:C8:26:62:E5:2A:88:FE:E C:E8:92:E6:37:81:97:49:E8 :4C:DE:44	75:F7:A4:03:D9:9D:49:88:3 D:41:AC:AE:AF:DC:55:13:6 1:FC:4B:16:92:70:6A:BC:27 :F8:2B:36:DB:5A:55:75
C=CL, O=CertiNet S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual	28CC03EDE4DE4960EFFCB81FEB65F 6EA	65:01:5B:B9:21:F9:4E:F5:D 7:55:74:2C:6B:A7:82:5B:C1 :C9:98:BF	9E:6A:85:5C:E5:4E:EC:87:E 2:60:E2:81:BA:EB:F8:B2:48



Subscriber CA, CN=CertiNet S.A. Firma Electronica Avanzada - G2/emailAddress=certin et@certinet.cl			:1B:74:C1:BE:28:40:EE:08: 50:14:43:1E:08:7B:C4
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DIGICERT, INC. MANAGEMENT'S ASSERTION

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

- Subscriber registration
- Certificate renewal
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate validation
- Subscriber key generation and management
- Subordinate CA certification

The management of DigiCert 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.

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 DigiCert's Symantec Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

DigiCert management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in DigiCert management's opinion, in providing its 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 business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in the applicable versions of its DigiCert Certification Practices Statement for Symantec Trust Network (STN) and DigiCert Certificate Policy for Symantec Trust Network (STN) enumerated in [Attachment A](#)
- maintained effective controls to provide reasonable assurance that:
 - DigiCert's Certification Practice Statement is consistent with its Certificate Policy; and
 - DigiCert provides its services in accordance with its Certificate Policy and Certification Practice Statement
- maintained effective controls to provide reasonable assurance that:



- the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated; and
 - subordinate CA certificate requests are accurate, authenticated, and approved
- 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

based on [WebTrust Principles and Criteria for Certification Authorities v2.1](#), including the following:

CA Business Practices Disclosure

- Certificate Practice Statement (CPS)
- Certificate Policy (CP)

CA Business Practices Management

- Certificate Policy Management
- Certification Practice Statement Management
- CP and CPS Consistency

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical and Environmental Security
- Operations Management
- System Access Management
- System Development, Maintenance, and Change Management
- Disaster Recovery, Backups, and Business Continuity Management
- Monitoring and Compliance
- Audit Logging

CA Lifecycle Management Controls

- CA Key Generation
- CA Key Storage, Backup, and Recovery
- CA Public Key Distribution
- CA Key Usage
- CA Key Archival
- CA Key Destruction
- CA Key Compromise
- CA Cryptographic Hardware Lifecycle Management



- CA Key Transportation
- CA Key Migration

Subscriber Key Lifecycle Management Controls

- CA-Provided Subscriber Key Generation Services
- CA-Provided Subscriber Key Storage and Recovery Services
- Requirements for Subscriber Key Management

Certificate Lifecycle Management Controls

- Subscriber Registration
- Certificate Renewal
- Certificate Rekey
- Certificate Issuance
- Certificate Distribution
- Certificate Revocation
- Certificate Validation

Subordinate CA Certificate Lifecycle Management Controls

- Subordinate CA Certificate Lifecycle Management

DigiCert does not escrow its CA keys, does not provide Integrated Circuit Card Lifestyle Management services to subscribers, and does not provide certificate suspension services. Accordingly, our assertion does not extend to controls that would address those criteria.

DigiCert, Inc.

A handwritten signature in blue ink on a light-colored background. The signature is stylized and appears to read 'Jeremy Rowley'.

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 Symantec Trust Network (STN)	3.9	September 11, 2018
Symantec Trust Network (STN) Certification Practice Statement	3.8.28	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=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G3	009B7E0649A33E62B9D5EE90487129EF57	13:2D:0D:45:53:4B:69:97:C D:B2:D5:C3:39:E2:55:76:6 0:9B:5C:C6	EB:04:CF:5E:B1:F3:9A:FA: 76:2F:2B:B1:20:F2:96:CB:A 5:20:C1:B9:7D:B1:58:95:65 :B8:1C:B9:A1:7B:72:44
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 1 Public Primary Certification Authority - G3	008B5B75568454850B00CFAF3848CEB1A4	20:42:85:DC:F7:EB:76:41:9 5:57:8E:13:6B:D4:B7:D1:E9 :8E:46:A5	CB:B5:AF:18:5E:94:2A:24: 02:F9:EA:CB:C0:ED:5B:B8: 76:EE:A3:C1:22:36:23:D0:0 4:47:E4:F3:BA:55:4B:65
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2007 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G4	2F80FE238C0E220F486712289187ACB3	22:D5:D8:DF:8F:02:31:D1: 8D:F7:9D:B7:CF:8A:2D:64: C9:3F:6C:3A	69:DD:D7:EA:90:BB:57:C9: 3E:13:5D:C8:5E:A6:FC:D5: 48:0B:60:32:39:BD:C4:54:F C:75:8B:2A:26:CF:7F:79
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Public Primary Certification Authority - G6	65637185D36F45C68F7F31F909879282	26:A1:6C:23:5A:24:72:22:9 B:23:62:80:25:BC:80:97:C8 :85:24:A1	B3:23:96:74:64:53:44:2F:3 5:3E:61:62:92:BB:20:BB:A A:5D:23:B5:46:45:0F:DB:9 C:54:B8:38:61:67:D5:29
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	401AC46421B31321030EBBE4121AC51D	36:79:CA:35:66:87:72:30:4 D:30:A5:FB:87:3B:0F:A7:7 B:B7:0D:54	23:99:56:11:27:A5:71:25:D E:8C:EF:EA:61:0D:DF:2F:A 0:78:B5:C8:06:7F:4E:82:82 :90:BF:B8:60:E8:4B:3C
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Public Primary Certification Authority - G6	64829EFC371E745DFC97FF97C8B1FF41	40:B3:31:A0:E9:BF:E8:55:B C:39:93:CA:70:4F:4E:C2:5 1:D4:1D:8F	CB:62:7D:18:B5:8A:D5:6D: DE:33:1A:30:45:6B:C6:5C: 60:1A:4E:9B:18:DE:DC:EA: 08:E7:DA:AA:07:81:5F:F0
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	18DAD19E267DE8BB4A2158CDCC6B3B4A	4E:B6:D5:78:49:9B:1C:CF: 5F:58:1E:AD:56:BE:3D:9B: 67:44:A5:E5	9A:CF:AB:7E:43:C8:D8:80: D0:6B:26:2A:94:DE:EE:E4: B4:65:99:89:C3:D0:CA:F1: 9B:AF:64:05:E4:1A:B7:DF
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 1 Public Primary Certification Authority - G6	243275F21D2FD20933F7B46ACAD0F398	51:7F:61:1E:29:91:6B:53:8 2:FB:72:E7:44:D9:8D:C3:C C:53:6D:64	9D:19:0B:2E:31:45:66:68:5 B:E8:A8:89:E2:7A:A8:C7:D 7:AE:1D:8A:AD:DB:A3:C1:E C:F9:D2:48:63:CD:34:B9
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Public Primary Certification Authority - G4	4C79B59A289C763164F58944D09102DE	58:D5:2D:B9:33:01:A4:FD: 29:1A:8C:96:45:A0:8F:EE:7 F:52:92:82	53:DF:DF:A4:E2:97:FC:FE: 07:59:4E:8C:62:D5:B8:AB: 06:B3:2C:75:49:F3:8A:16:3 0:94:FD:64:29:D5:DA:43
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 2 Public Primary Certification Authority - G3	6170CB498C5F984529E7B0A6D9505B7A	61:EF:43:D7:7F:CA:D4:61: 51:BC:98:E0:C3:59:12:AF:9 F:EB:63:11	92:A9:D9:83:3F:E1:94:4D:B 3:66:E8:BF:AE:7A:95:B6:48 :0C:2D:6C:6C:2A:1B:E6:5D :42:36:B6:08:FC:A1:BB
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI ECC Root - G1	0E23CC37AC7466480F6B1A4B01831698	65:91:04:DA:A4:04:93:26:2 1:5A:5D:26:31:52:70:D9:A A:BD:16:1D	92:BB:72:F1:5E:B7:5D:E4:6 7:C8:4B:43:81:81:03:4B:D A:E9:A0:16:EC:26:43:4B:EE :3C:9B:BA:D8:CD:8A:F0



C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Public Primary Certification Authority - G4	34176512403BB7568 02D80CB7955A61E	67:24:90:2E:48:01:B0:22:9 6:40:10:46:B4:B1:67:2C:A9 :75:FD:2B	FE:86:3D:08:22:FE:7A:23:5 3:FA:48:4D:59:24:E8:75:65 :6D:3D:C9:FB:58:77:1F:6F: 61:6F:9D:57:1B:C5:92
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI RSA Root - G1	2D9AD0E39DBD2DAE 835F446FBB64FD28	77:08:8D:6A:EF:B6:19:1D: E4:1F:68:85:93:9A:AE:F9:E C:6C:73:1C	F6:BB:5B:79:85:A8:73:65:9 4:C1:46:79:FA:31:60:38:14 :50:2A:AE:B5:F4:28:2A:69: 98:5D:C8:4A:45:07:77
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 1 Public Primary Certification Authority - G4	216E33A5CBD388A46 F2907B4273CC4D8	84:F2:E3:DD:83:13:3E:A9:1 D:19:52:7F:02:D7:29:BF:C1 :5F:E6:67	36:3F:3C:84:9E:AB:03:B0: A2:A0:F6:36:D7:B8:6D:04: D3:AC:7F:CF:E2:6A:0A:91: 21:AB:97:95:F6:E1:76:DF

Cross Signed CAs				
Issuer	Subject	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G3	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	217A65CF6381753 7E03332833A42CC D7	14:49:AF:AF:83:6F:A6:6 C:40:53:49:88:F3:DF:C7: 62:8E:BD:78:6A	D9:BC:97:3F:88:90:96:9 6:DA:10:83:31:97:94:4C: A5:8A:C4:A8:88:47:77:9 C:91:33:37:42:67:10:0E: EC:58
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	C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2007 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G4	6611549AD086E39 8912FFBFB74D1D8 5F	3C:C7:4E:31:65:51:C9:7 E:18:39:D1:00:08:82:9C: 9D:BF:24:C2:47	61:43:6A:4E:D6:3E:31:F 2:2E:EF:AC:26:B5:25:79: 6C:F5:EB:F8:9A:77:E7:3 C:0A:DC:C8:4D:E9:79:B1 :C5:E0
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	C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	1A55C0C60F0F26F 6489BA6CDA98D2 425	43:6A:8A:70:3D:44:93:2 3:8C:45:73:1C:09:41:5C: 2A:9A:4B:41:F9	FB:2B:D3:59:81:44:35:6 D:CB:D2:B2:59:E8:F3:EB :D0:B0:F6:EE:18:0C:15:E F:55:3B:82:D1:99:EF:07: F3:9A
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	C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	4B0BCEB194B330F B0E366DBBA0C87 73E	45:06:F9:BA:E3:4B:6D:0 A:CC:60:1A:94:78:AD:3C :80:E8:0B:A0:82	15:12:DF:AE:DF:91:53:F F:AC:B7:0B:C8:05:BA:32 :CB:6F:9C:B3:D0:95:B6: 4E:66:59:E6:52:C3:CA:3 3:5A:32
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	C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI RSA Root - G1	7A6FC74D8D350A FBFA2138241FE7E D96	55:4F:29:93:DD:09:91:8 0:98:3E:46:07:52:0C:DD :86:1F:EC:48:E0	C4:9A:A6:D4:F3:5A:83:3 B:8B:0E:1E:29:97:CF:5A: C2:8C:93:4F:BA:D3:CF:E B:EF:5C:45:FB:0A:DA:B1 :01:35



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	C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	2445A1BD977380 B5F40C4550B8716 DOA	6E:B8:B6:28:D6:24:97:A 6:62:4F:C4:C5:59:CF:66: 25:DF:71:74:C4	C9:D8:9E:C4:FC:9C:AC:1 E:49:43:22:94:E8:A7:AA: 30:11:7A:B3:E4:E0:19:9 B:9E:29:7D:6B:E1:0F:C6: E2:DF
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	C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI ECC Root - G1	24B2C4743976887 AAAC9E9D55B043 F5C	A2:BA:17:BE:03:BA:63:C A:EA:30:5B:0E:A3:9D:BB :73:76:97:F2:11	F5:65:03:9D:13:92:07:8 0:1F:87:34:D3:57:E7:CA: 1D:A1:A6:29:FB:48:DC:2 E:FD:EA:08:E5:16:F6:3F: B2:61
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Web PKI RSA Root - G1	0F8752C22E2E763 1AD31FB4A2D348 5CA	F4:54:6C:31:25:BA:AB:D C:31:AD:50:B9:99:41:AA :BA:77:B5:14:49	92:DB:39:46:47:CF:E1:2 2:57:3A:99:EA:9D:94:D9 :A1:F6:41:2E:A3:A0:4D: 78:B4:4A:50:44:C4:02:1 1:0A:CE
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority	C=US, O=DigiCert, Inc, OU=www.digicert.com, CN=DigiCert Universal Transition Root	7708008661C2F26 765BD4DDAC7940 E2F	02:9E:ED:AF:52:BC:5B:8 4:8C:30:E5:13:6F:52:1D: 6D:3D:E4:2D:FB	88:A0:70:73:D4:52:70:6 9:DC:9E:97:80:53:F3:57: 29:70:5C:05:83:02:64:8 E:D0:2E:5F:CE:65:61:45: 9E:61
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2007 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G4	C=US, O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Global Root G3	3DCD5F225EA4C9 6D4B9094A02D2B 56C6	1C:C4:C0:AA:35:4F:1F:7 7:18:6F:8C:02:9D:7A:94: 93:8D:07:21:3F	53:A5:E3:2A:CC:57:14:E D:20:C7:77:8C:65:5D:1E :E9:7E:C0:71:56:07:4C:8 B:01:6E:2C:FC:73:E9:D2: 71:2B
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2007 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G4	C=US, O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Transition ECC Root	79C67041B462320 4394DD042FB6E96 80	27:B0:F3:7B:DB:63:66:2 5:8E:7C:C2:05:88:CF:8A: D6:A7:C9:27:28	DB:98:19:4E:55:B9:36:D 2:6E:6C:B3:F4:60:A2:62: EB:6C:A6:63:37:E7:BF:F 1:7A:0B:FC:08:32:51:F6: 36:26
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	C=US, O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Transition RSA Root	78AEA431C15CEB7 57B0D8A610A748 E67	2E:B0:1A:16:D5:5D:26:0 4:90:20:68:73:D6:D0:3F: 38:EC:A8:31:89	0D:88:90:0D:BB:68:C6:C A:54:71:F6:53:FC:AC:D4: 07:EB:D7:B1:51:90:46:F 9:E0:B8:CE:D3:C2:74:FD :11:A1



C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 1999 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G3	C=US, O=DigiCert, Inc, OU=www.digicert.com, CN=DigiCert Transition Root G3	718F6D6990A6294 B6A4BDC8DE6C69 144	8C:45:33:1F:9C:FA:3D:B 2:BB:A5:E7:58:59:56:FA: 74:98:90:04:56	0F:57:B9:6F:A7:B3:12:4 7:EC:39:CB:30:7D:38:CA :2B:F3:B2:9F:54:AF:D5:0 A:35:1D:18:53:35:29:51: 7B:46
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	C=US, O=DigiCert Inc, OU=www.digicert.com, CN=DigiCert Global Root G2	63180D38FB80977 8A9D035A31618F8 40	E9:95:EF:91:26:8D:E1:5 C:A2:2C:0C:74:CB:E9:2E: B6:C8:31:48:7E	2D:4F:AD:34:55:AB:61:3 9:74:01:AB:BB:51:89:22: F8:43:36:B6:7E:02:FC:8 D:2D:B2:83:82:5C:4A:B9 :81:BB

Class 1, 2, and 3 CA	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
C=CN, O=TrustAsia Technologies, Inc., OU=Domain Validated SSL, CN=TrustAsia ECC DV CA - G9	6DFF21109CB0A3594 0A7850D70B97913	36:28:72:EA:6F:16:23:5A:9 0:0D:90:60:40:2B:38:15:A9 :C0:E6:05	15:7D:3A:B9:9D:C5:1A:C9: F5:F4:F1:0C:43:C6:85:42:A C:6B:16:23:63:8F:1D:51:1E :8E:EA:11:C4:88:E9:08
C=CN, O=TrustAsia Technologies, Inc., OU=Domain Validated SSL, CN=TrustAsia RSA DV CA - G8	2638DC5EB7C68D30A 2D6E83F00479896	3F:B1:7D:9F:02:58:EA:BD: 4F:AC:04:E7:74:52:5F:58:C 1:0F:56:D3	D6:4C:1E:38:CB:68:A4:63: 62:37:9A:33:2E:5E:D3:D8: A8:44:36:65:E6:25:1A:19:B 1:40:53:BE:03:03:34:51
C=DE, O=CertCenter AG, OU=Domain Validated SSL, CN=AlwaysOnSSL Web PKI RSA DV CA - G1	59F3D4B279D2174E1 285655811AFCA44	22:75:26:FB:3D:48:31:FB:B E:F1:29:D5:BF:16:FB:E2:B3 :0A:0D:4B	47:9A:91:F6:93:68:BE:C9:B 4:D8:A6:92:EF:D9:38:D1:E 9:48:C7:33:30:2E:E0:B9:C4 :90:06:F3:62:F6:65:88
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO Web PKI RSA DV CA - G1	2917D03AE05D392A4 4980C52A4364666	2E:FF:07:98:88:33:08:AB:1 F:C7:49:79:A6:9F:8B:9B:41 :68:8F:C3	A3:EC:7D:8B:BB:8B:9F:99: 28:7B:CA:4C:AC:67:A4:65: 01:D5:43:24:AC:B6:A0:78: 15:14:ED:D5:11:B1:9E:BE
C=NL, O=Trust Provider B.V., OU=Domain Validated SSL, CN=Trust Provider B.V. Web PKI RSA DV CA - G1	2F355878F925737BC 7DE3924D0166BF6	E4:50:45:FB:13:6A:4B:2E:0 F:50:E6:40:60:08:7F:46:26 :C4:F0:A4	67:FF:03:C0:C0:1D:1F:01: D4:00:6E:B8:69:B4:53:F1:1 5:AE:48:EC:B7:51:7F:29:C3 :0C:D0:1A:FE:76:F4:95
C=US, O=eGlobalCustody, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=eGlobalCustody G3 CA	0FD3403B949A16DC4 AC62177650A86B0	31:E5:E1:FD:D2:4E:9D:59: 86:A2:E0:70:CA:EE:41:B8: AA:79:53:57	7C:BA:89:74:C6:4C:34:2A: BB:7D:29:D6:AC:28:1A:00: 2A:61:A9:A9:31:88:87:8B: A3:7D:CB:BC:D2:6C:B8:6F
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust Class 3 Web PKI RSA DV CA - G1	6BD1C36F56DEA9062 692F147D2A13172	21:C1:C9:A0:78:C8:39:43:1 B:7C:69:7A:5E:9F:3F:30:D B:F7:C2:E0	7D:EC:B7:88:02:94:C6:81: D6:19:79:53:4C:1C:2F:1D: 88:AD:FA:AE:8A:57:33:CD: 2D:B6:73:0E:05:E2:A5:47
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=RapidSSL Class 3 Web PKI RSA DV CA - G1	4238AE5F4CB56A05D 042A983076CA1DF	84:A0:AF:53:56:B6:B8:C6:1 5:8A:4A:58:27:5E:A9:45:C1 :B9:CE:49	4B:04:99:89:E0:34:CC:16:F 5:86:24:7B:0D:38:78:95:0F :39:38:2E:28:E1:10:87:42: 0B:AF:2B:6F:27:D6:79
C=US, O=GeoTrust Inc., OU=Extended Validation SSL, CN=GeoTrust Class 3 Web PKI RSA EV CA - G1	75206CABFB5ED21CD 96AE287809DC45A	B5:43:0C:91:AA:71:FA:08: E5:72:DA:AF:C8:36:14:28: 77:FF:63:C0	E8:41:E1:36:D3:85:3D:E0:C 9:B8:D3:A7:01:66:AD:EE:A 9:76:7B:F0:94:2E:C8:B1:8A :18:06:DB:A8:72:04:C2



C=US, O=GeoTrust Inc., OU=Organization Validated SSL, CN=GeoTrust Class 3 Web PKI RSA OV CA - G1	630B2556A1B073D08 791A6645CD678C7	43:A9:74:9E:9A:AC:D7:C2: 8B:E6:51:25:30:DA:86:FC:9 4:51:72:24	E5:7B:96:72:61:9D:2C:58:C 6:80:5A:2A:05:8C:8A:2C:3 E:41:8E:33:7F:95:8E:26:65 :BB:1C:F6:DD:2E:DO:41
C=US, O=GeoTrust Inc., OU=Organization Validated SSL, CN=RapidSSL Class 3 Web PKI RSA OV CA - G1	7D9D7433209EE758C 08D90AC0E0A9AC4	1C:5A:60:C9:8B:00:45:F9: A4:0F:C0:54:FE:1C:DD:F0: B4:CA:16:D9	8A:8F:5C:E1:DD:74:54:0A: 8A:57:49:38:93:1F:22:7B:D 6:E3:12:65:6E:7D:F6:BC:6E :3A:0E:B3:D8:90:35:20
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=GeoTrust Class 3 Web PKI ECC DV CA - G1	2C9F3029BAD05E04F C544C59EAF11F58	40:28:7C:56:06:AC:90:A2:8 0:B3:09:EE:FD:6B:26:F8:55 :E6:53:4A	C5:EC:25:5A:B5:9D:A0:91: F5:87:B9:CE:14:61:BD:D6: 3A:7D:56:41:1E:49:9F:24:F D:9C:5E:1C:FA:8A:3F:E0
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=RapidSSL Class 3 Web PKI ECC DV CA - G1	3DB5DD80037303208 E099E6A6BFEC4E8	5D:13:A1:73:E6:79:63:84:8 4:A7:B4:0C:EB:B3:02:9F:A E:B3:C2:70	CE:A2:3A:E9:7F:B7:3D:36: AA:D2:56:0A:B7:73:0A:1E: 9D:7C:21:C0:8E:80:0C:2B: 05:33:C9:67:30:EF:DE:92
C=US, O=GeoTrust, Inc., OU=Extended Validation SSL, CN=GeoTrust Class 3 Web PKI ECC EV CA - G1	120B49D5FFBFB59C2 519F83452EED709	35:F1:AF:D5:BD:00:46:B9: 6E:92:C4:1C:BB:1C:8D:04: 55:15:6F:BF	6A:67:55:BA:10:DC:5D:5E: AE:9B:EE:C7:AC:E8:D9:73: DE:53:D3:D1:85:01:74:D4: E0:2E:C2:33:63:E1:2C:C8
C=US, O=GeoTrust, Inc., OU=Organization Validated SSL, CN=GeoTrust Class 3 Web PKI ECC OV CA - G1	1B3E2E1EB2F6BACAD 366B3C21DEB85E6	16:E1:E3:4B:AE:7E:95:87:E B:AC:53:6D:1A:9B:6E:D8:4 3:3F:91:A9	3C:4A:B6:84:92:BC:0D:76: AA:06:DE:99:61:DF:25:77: 4C:9E:F2:6C:AF:71:22:D3: 99:2E:B8:B2:FA:31:35:49
C=US, O=Oracle Corporation, OU=Symantec Trust Network, OU=Organization Validated SSL, CN=Oracle Web PKI RSA OV CA - G1	056B9C903E1D3C765 85B94E106C97E69	8A:74:0F:49:39:A1:58:EE:0 8:05:5F:4B:D5:47:3E:52:6F :D5:7F:08	70:BA:89:67:F6:92:26:9B:0 E:40:08:DA:12:54:D3:7E:A 9:FA:02:FC:1A:EB:A7:C4:A A:C2:20:3D:A4:81:79:65
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Signing ECC Intermediate CA	4C6D6420F4F4D2853 682CBC32029ED56	3C:AE:55:86:B2:5F:AA:D3: 73:E3:ED:FF:C9:16:E8:D1:F 3:DB:EA:C3	FD:02:51:0C:EC:14:5E:52:6 6:86:04:82:DD:4C:32:86:09 :C1:A7:88:AF:3F:CB:10:A0: 96:78:DE:30:F4:6B:95
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Secure Server CA - G4	13B3E302180397668 D5034E0E674E28D	44:9E:3B:9F:21:04:A9:64:0 9:32:6D:A6:F2:9B:B4:E8:46 :9B:EF:D4	59:F8:CB:7D:7E:9E:13:CB: 77:8F:F6:21:98:EB:E0:55:5 1:B5:15:A5:8B:BB:A2:EF:1 9:C3:3C:76:0C:82:39:16
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Class 3 Web PKI ECC DV CA - G1	6B618A9D16D8319D2 8664473244F0D23	E5:DC:C3:E5:75:33:17:8B: DA:98:4F:6D:6F:0A:B6:70: 61:F4:0D:2F	5C:69:E8:2F:B2:48:F8:0B:5 E:43:14:B9:D2:C4:88:3E:D 1:4F:5A:06:D5:8F:10:9F:33 :50:0E:86:DD:C0:73:8F
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Class 3 Web PKI RSA DV CA - G1	4EC6830D3861A3285 7D7449444EDCD32	0E:E1:0E:D9:94:EE:2D:7F:1 E:F7:B7:63:D1:B9:DF:57:0 D:F5:C5:94	4D:F2:95:46:78:93:5B:E7:E 8:0A:E9:05:11:30:4B:08:FA :04:FF:40:BD:DA:69:CE:E3: 33:DA:80:C1:3A:D3:10
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Extended Validation SSL, CN=Symantec Class 3 Web PKI ECC EV CA - G1	20044AAC18E52902F 25460385F9D8BEF	EE:C5:84:18:DB:F2:79:31: DE:5A:F4:1B:B3:17:DF:47: 9D:AF:3C:BE	B1:3F:9D:19:08:2D:8C:D7: CD:1B:EB:0A:B7:C2:45:ED: 25:2F:21:AE:2A:30:16:3E:9 1:B6:E8:BE:2E:0E:96:14
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Extended Validation SSL,	0B6B506566F67A840 3D970B7179252CE	BF:63:51:0D:A8:C9:7D:DF: D6:4A:67:68:57:A6:B9:51:2 2:EE:62:2F	87:B8:50:BD:37:15:C0:10:4 B:5E:C9:D5:E8:0B:FE:78:85



CN=Symantec Class 3 Web PKI RSA EV CA - G1			:0A:AE:41:25:55:9B:BC:DD :E0:85:24:97:0B:5A:FF
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Organization Validated SSL, CN=Symantec Class 3 Web PKI ECC OV CA - G1	50A33F08D1763AF0B88226270141BF02	6C:83:88:18:D8:25:5E:D2:31:13:05:AA:EA:80:0F:7D:2A:C8:65:CB	ED:34:8B:62:45:A3:C1:90:2C:7F:8E:F7:CC:A8:CF:05:4B:94:B8:F1:8C:D7:8A:A7:9A:36:BF:9C:32:99:82:6A
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Organization Validated SSL, CN=Symantec Class 3 Web PKI RSA OV CA - G1	7DAF5A80682E3077C1A2B3135D731DF6	AE:0C:B2:38:63:48:AF:85:AE:78:C0:3E:5E:E4:6B:F4:A3:CF:F0:69	A5:A6:B2:EF:89:14:26:EA:B0:F6:10:6B:2B:0B:13:2D:01:A1:CE:C5:20:08:5F:80:64:59:05:94:9B:D3:28:6A
C=US, O=thawte, Inc., OU=Domain Validated SSL, CN=thawte Class 3 Web PKI ECC DV CA - G1	5F7894773C4212D3802A98932ECAA304	C6:0C:7E:F6:65:37:48:B4:A6:47:26:93:89:50:60:F2:12:26:61:86	3E:86:87:28:08:2E:19:9B:77:3E:DF:91:EB:3E:B9:73:6A:E7:E2:BC:68:7E:42:BA:35:A2:B5:8F:DE:55:6C:82
C=US, O=thawte, Inc., OU=Domain Validated SSL, CN=thawte Class 3 Web PKI RSA DV CA - G1	1C60F646DBD731A3C3A8720F2DD5E873	13:47:6F:79:21:50:D1:E7:91:9B:36:7C:E2:17:E5:6D:F3:2E:19:6C	FA:AE:92:82:05:90:F2:D8:DB:52:1C:20:C9:EF:4B:53:CF:DF:3C:07:C9:0E:17:6A:D9:13:DA:CF:E9:54:81:ED
C=US, O=thawte, Inc., OU=Extended Validation SSL, CN=thawte Class 3 Web PKI ECC EV CA - G1	42CA5B1F1CD66F8D525FD4D4845D4DD4	52:78:7E:18:6C:FA:34:05:B3:7F:19:F0:D9:DC:9B:AB:08:70:33:99	94:AC:33:E6:72:91:4F:A5:8B:BE:64:4A:58:29:36:79:C8:8E:8A:5E:40:BB:08:FF:F1:CD:9C:37:EE:81:FC:94
C=US, O=thawte, Inc., OU=Extended Validation SSL, CN=thawte Class 3 Web PKI RSA EV CA - G1	1AC917AC8164CCB4BEE32A2140CF4450	55:5F:F7:DF:34:78:09:B7:63:07:48:D5:66:E9:C7:5E:EF:55:C2:1E	B0:DA:8C:71:E8:52:0E:CF:3B:9F:A9:3D:AE:E2:F8:C6:DC:D2:5C:1F:7B:8C:02:47:9D:BA:52:23:B6:B0:91:84
C=US, O=thawte, Inc., OU=Organization Validated SSL, CN=thawte Class 3 Web PKI ECC OV CA - G1	4DB3F20FD367B04731C8AE8B22CAFBF2	CB:3A:FF:9E:C5:F0:00:7E:CB:7A:09:1F:DD:14:93:C9:BA:53:5C:EB	90:C9:EA:1E:92:A1:C8:5E:37:CB:2A:2F:BF:74:CC:5E:96:15:AA:19:07:55:ED:E8:EA:6C:7B:AE:33:F1:83:30
C=US, O=thawte, Inc., OU=Organization Validated SSL, CN=thawte Class 3 Web PKI RSA OV CA - G1	29464C5CE523DAC758DA2D917E0A7FE5	42:94:5E:B7:60:55:EF:B6:46:93:08:0B:71:C7:01:DC:35:F4:BF:10	FE:62:99:E9:D2:12:CA:34:6B:54:DD:1A:69:4A:E8:4B:43:4A:63:A8:C3:E6:2C:61:E4:67:73:C8:8D:D8:2F:8E
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Code Signing 2010 CA	490EA5686468F1C09FOCFE2FFE300F26	4E:D5:0C:FA:AB:E6:AD:09:F0:CC:6A:F8:7E:07:DC:11:9D:B8:01:4C	F4:5C:03:B5:68:3E:3E:A8:F0:AB:C5:F1:4E:74:9F:BB:F6:32:76:65:96:D9:07:4B:00:0D:68:B7:62:26:F7:A3
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Code Signing 2010 CA	2753F806FE9137322F5B409F1C31875C	BD:A4:3A:EB:B5:5D:57:A6:D4:44:5C:10:B0:53:B8:8F:F6:66:B6:82	D0:F9:0B:BF:6E:E8:62:9E:4A:31:CF:DB:AA:22:02:E3:24:AF:2F:5F:45:69:67:DD:83:CA:5B:36:84:C3:42:97
C=US, O=Wells Fargo & Company, OU=Symantec Trust Network, OU=Organization Validated TLS, CN=Wells Fargo Public Trust Certification Authority 01 G2	3F8B149DCFBE86553F6D78F4CD24E571	86:14:15:06:B4:C3:61:C9:FC:DF:E5:71:7B:6B:19:76:15:19:3B:44	8F:FC:B7:E2:35:33:0E:F0:AA:B9:19:DE:AF:C4:F5:E6:21:F6:6F:AE:DD:A2:D4:C1:25:6D:09:93:AE:24:EA:21
O=NamiTech, OU=VeriSign Trust Network, CN=NamiTech Class 2 CA	4D7184F87C2A1A73B8B768CB336C8285	A0:CB:A9:F7:1A:1B:F8:2F:E8:3D:C5:5B:69:DD:C0:EE:8F:E6:E4:28	0F:0C:18:C7:14:00:9C:A0:14:4B:4A:66:BE:74:A8:72:16



			:0E:C8:26:A0:85:A4:3D:90: DF:16:4F:1E:9A:A2:19
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign SC Class 2 Consumer Individual Subscriber CA - G2/emailAddress=e-sign@e-sign.cl	7C8E03F9357F8362E8B3737992C3EF9FD	2D:6C:22:6A:94:EF:D1:A2:CE:03:80:64:A1:A9:6C:7F:11:B9:5E:A6	72:F0:E3:B1:B8:CD:1A:86:BD:F7:D0:22:DA:41:31:C3:02:29:3C:AE:82:0B:28:A5:97:BC:84:D0:41:B8:97:1D
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign SC Class 2 Consumer Individual Subscriber CA - G2/emailAddress=e-sign@e-sign.cl	29B2F39E5611CEFF2448D19909805775	4D:8F:16:94:8C:5D:DB:F2:03:9F:67:5E:CA:FA:3C:F3:29:41:56:E1	82:6C:D7:8F:27:47:94:CE:FE:BD:44:F2:BC:80:3E:B2:4A:28:4A:2B:70:5A:44:0B:25:17:CF:C4:A4:19:7D:E1
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign SC Class 2 Consumer Individual Subscriber CA - G2/emailAddress=e-sign@e-sign.cl	102D5543014F74C63101B999E22ECB4A	B5:41:6E:79:1D:5B:75:EB:F D:34:9D:50:A1:05:E0:62:DB:FB:0F:1C	8D:64:E1:14:E5:77:B3:54:2F:79:6C:20:F1:2E:FD:A9:AD:9E:25:12:46:64:B3:5A:B9:18:D2:9A:82:16:CE:0C
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign SC Class 2 Consumer Individual Subscriber CA - G2/emailAddress=e-sign@e-sign.cl	35B6528ECC9FD39066AE03F78E8BC525	CF:0D:BF:2C:4B:DE:38:EA:20:96:DF:A1:2F:18:A8:F4:85:72:C4:09	C3:4A:57:09:12:2D:C9:EA:F3:02:1B:97:9D:48:43:FB:B4:1C:5B:24:32:6B:EC:E8:4D:2F:68:66:75:A1:B6:EC
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign C2 Firma Electronica Avanzada Consumer Individual CA G2/emailAddress=e-sign@e-sign.cl	5E1E97BBAE21C18291935F12CF69E86D	3A:E0:BE:CB:DD:BF:8C:2F:E6:F7:F8:3C:61:C8:D3:86:E1:E1:EA:CD	52:A5:E3:12:87:A0:F8:91:59:F7:BB:4B:D3:A6:A2:70:DE:E5:83:A7:72:61:F6:D0:0D:D9:2D:8C:94:24:E8:00
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign C2 Firma Electronica Avanzada Consumer Individual CA G2/emailAddress=e-sign@e-sign.cl	521A5453E0C65DC8F043526CC83F7C9	B5:4E:DC:AE:45:16:FF:E9:A1:69:BC:AD:D8:08:25:4F:B0:A2:31:6F	97:A2:F7:AA:C9:46:EC:57:FD:EB:99:D3:4C:EB:0F:9E:22:09:F7:0B:6C:36:85:E9:AE:4D:FE:89:B2:07:81:DC
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign C2 Firma Electronica Avanzada Consumer Individual CA G2/emailAddress=e-sign@e-sign.cl	2F6196C61E9593BAE37DD2C2580A2DF1	BA:AA:9F:C1:2F:25:FD:F9:FA:C3:7A:16:AC:5E:0A:75:93:F2:03:48	BE:4D:87:22:25:F0:13:B6:E1:75:95:AA:29:F3:C0:B9:F8:5C:40:3E:6C:9B:48:35:50:B0:69:E4:A2:F4:7B:FE
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, CN=E-Sign C2 Firma Electronica Avanzada Consumer Individual CA G2/emailAddress=e-sign@e-sign.cl	481F645D2F635C49D43EF02067A4CECC	C9:D6:84:3E:0E:2F:81:2F:C C:DC:52:B5:06:A2:F6:2B:27:BE:CB:B4	24:0A:25:1F:12:92:50:D1:98:82:D0:4D:38:C2:E1:1D:C7:6A:88:01:53:AB:1A:87:55:AA:96:22:08:C1:E3:E6
C=IS, O=Advanvia, OU=Symantec Trust Network, CN=Advanvia SC Class 1 Consumer Individual Subscriber CA	1FF571F6E6AD0C8BA59CB2EB6635C42A	16:87:B7:ED:46:E9:8D:4E:4C:17:74:D0:A4:E2:70:A8:BF:B7:DE:93	93:88:0C:49:35:13:C5:75:C6:9D:E9:59:55:47:CB:65:0F:4F:A4:7F:B9:B7:28:18:F1:CE:99:47:6C:63:D5:94
C=IS, O=Advanvia, OU=Symantec Trust Network, CN=Advanvia SC Class 1 Consumer Individual Subscriber CA	3F16165226FC8DDAE25F9312196ECECF	BE:9D:8C:FD:0C:8C:50:BB:80:A3:0B:AB:BD:B8:90:32:58:9B:62:9C	7B:B3:40:02:3E:53:1A:0A:05:78:09:CE:CE:32:CF:CE:2E:8A:86:EF:68:EF:D5:7E:0F:4B:86:90:4E:E8:54:10
C=NL, O=Getronics PinkRocade Nederland B.V., OU=VeriSign Trust Network, CN=Getronics Class 2 CA	080132AB919E3E0C6F65B985C79596E8	77:20:27:50:95:38:00:93:3C:B6:27:29:27:AE:E2:EC:BB:EE:B6:66	E3:51:3D:BE:80:50:6D:EC:A0:BC:C6:31:66:8B:47:02:13:64:AB:BE:F9:9F:8B:99:89:FC:39:1D:66:17:83:D5
C=GB, O=British Telecommunications plc, OU=VeriSign Trust Network, CN=BT Class 2 CA - G2	0BDF8169F3686B1C5E8496BA30110E05	26:02:74:3E:F6:47:79:94:5F:7A:C7:A4:EA:E9:B9:45:F2:44:78:BB	A0:BD:4E:39:E6:FE:41:5F:8B:1A:BA:47:73:C3:EA:60:90:5E:D6:1F:8E:A2:78:75:C C:03:E9:A9:4D:44:1C:B6



C=GB, O=British Telecommunications plc, OU=VeriSign Trust Network, CN=BT Class 2 CA - G2	4EB52E47BC7B55E53 B42F970B7C4AE9B	35:F0:56:7D:58:C0:F6:0C:7 D:30:38:C0:13:44:1D:40:33 :90:04:E3	4D:40:46:D0:7A:37:A5:A3: D9:61:D0:D6:20:53:BF:A3: 95:4A:33:30:A5:75:8C:A8:2 9:25:D6:59:0B:D3:26:4A
C=KR, O=KECA, Inc., OU=VeriSign Trust Network, CN=CrossCert Class 2 CA - G2	3AE4A8A373B650CBB B40DDE62D1D5F69	9E:3F:79:C5:65:05:D0:D2: AD:98:8D:91:E7:8C:52:6C: 39:B0:73:8D	AA:9F:4D:F6:96:C1:B5:E2: F6:56:66:32:9D:80:01:5C:3 B:C6:5C:3F:40:1D:E6:9B:0 2:6B:43:7A:5C:F2:D5:CF
C=KR, O=KECA, Inc., OU=VeriSign Trust Network, CN=CrossCert Class 2 CA - G2	2E22716AEB5752B25 EA0DE2AE115FF46	A7:B6:C4:D4:C1:19:EB:5F: 08:E6:55:42:B9:7A:94:97:4 3:1A:63:F7	29:BF:73:46:19:88:9F:E3:C C:BE:53:5F:D6:67:6E:D3:0 0:D1:A8:A1:33:6E:DB:AF:8 F:B8:72:36:3F:4A:25:5E
C=KR, O=KECA, Inc., OU=VeriSign Trust Network, CN=CrossCert Class 2 CA - G2	703A2C162CAFA9DB C3A188A7395E8F0E	C5:41:CB:4A:59:15:61:64:7 D:37:27:05:AB:21:36:4E:32 :B7:E1:52	6E:B2:C3:74:CD:ED:31:38: 3E:C1:98:5D:57:58:F2:8D:5 2:F5:FD:A6:D7:6B:FF:8F:0 D:BB:53:07:0B:A4:3F:FA
C=NL, O=KPN Telecom B.V., OU=VeriSign Trust Network, CN=KPN Telecom B.V. CA - G2	1E437EDD50F344114 0C3F410E9767680	0C:FD:A3:FB:25:36:60:A6: 2A:33:38:F6:BF:40:34:85:6 5:F6:55:5C	D8:DC:43:C4:C0:62:76:3B: DB:36:DB:72:57:39:FA:F4: 50:83:63:FE:6F:15:8C:DA:4 7:4D:51:D7:19:C2:C2:22
C=NL, O=KPN Telecom B.V., OU=VeriSign Trust Network, CN=KPN Telecom B.V. CA - G2	430A664BB5BDF7772 C32FB36A3C2A6F5	70:DA:4C:2B:46:67:93:55:6 F:59:B1:57:0C:06:47:F2:DD :17:2A:14	04:83:2F:08:5D:97:CB:A8:4 3:F4:6D:65:0F:D6:F5:A7:E1 :45:84:62:70:6E:BA:F9:E0: B9:E9:FE:FC:05:23:50
C=NL, O=KPN Telecom B.V., OU=VeriSign Trust Network, CN=KPN Telecom B.V. CA - G2	2457111EFD4BF3D56 EF206A0CEE4773E	E5:81:29:4B:9C:42:66:AB:E 0:DC:B0:78:6E:7E:3C:F2:9 B:01:9B:96	26:F8:76:6C:E0:51:E7:CD:6 5:17:E9:2B:85:73:3C:47:51 :17:76:57:78:88:4C:48:1C: 79:EC:23:35:0A:BA:71
C=JP, O=VeriSign Japan K.K., OU=VeriSign Trust Network, CN=VeriSign Japan Class 1 CA - G3	2279D509FA0AF3286 3DE1136106F806A	79:3E:60:0B:6E:A5:76:5D:2 8:4E:1E:93:46:F9:9D:20:D6 :05:B6:A4	C1:1C:ED:51:F8:6C:7A:16: 76:08:93:C0:79:61:F3:29:7 9:90:D3:2A:33:44:3F:C6:F C:1F:C5:42:EC:36:5D:75
C=JP, O=VeriSign Japan K.K., OU=VeriSign Trust Network, CN=VeriSign Japan Class 1 CA - G3	1B690380F135159D5 CD73325F4A2271B	A0:B3:1A:D6:1C:C4:8B:08: AB:63:0B:0B:11:B6:08:46:4 C:A8:F8:1F	C8:C0:22:98:A4:BB:95:A7: 8C:39:43:C0:25:E8:44:CC: 23:9A:2D:53:C6:98:6F:45:6 E:9F:0B:34:D2:93:B5:78
C=JP, O=VeriSign Japan K.K., OU=VeriSign Trust Network, CN=VeriSign Japan Class 2 CA - G3	1A48723FEB737354E 257A53EE0EB2A77	3A:37:20:C3:47:56:AB:C3: 5D:0E:F7:94:68:77:CC:FB:5 D:17:D9:D9	E5:0C:65:6D:87:E8:36:CD: 16:22:DC:16:E6:A4:8C:04: C0:16:5D:C3:FB:8D:F2:55: 6A:3C:B4:58:F7:25:E2:5C
O=CertiSur S.A., OU=VeriSign Trust Network, CN=CertiSur Class 2 CA - G2	56D1FD8A578C5C66F C127CFE1320B6A8	E5:99:69:23:CB:E0:B0:B6:E F:D1:5A:03:50:31:0E:31:B6 :05:BF:13	9D:3D:D9:1B:C6:2B:68:4F: F5:14:0C:17:E1:DF:AC:A8: 8A:5D:A9:E5:20:BF:64:FF: AC:6C:45:4A:EB:23:4C:AA
C=GR, O=ADACOM S.A., OU=VeriSign Trust Network, CN=ADACOM Class 2 CA - G3	3ED81FB8353FE344F 117CED43F81E923	C9:33:D8:28:96:5C:69:67: AF:6F:F3:72:90:0A:5F:B4:0 9:85:91:0C	12:FA:24:6B:C2:CF:80:4C: 3A:F6:FA:C7:11:79:47:B9:5 9:A1:B1:4B:FE:24:13:51:3C :E7:CA:16:DD:61:A6:ED
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, CN=E-Sign S.A. Class 2 CA - G2	2CE89700BD9947AFB 02739AF8EB27920	2D:74:EC:F4:2F:46:00:EE:1 0:AA:3F:A2:9D:86:4B:E3:A 8:B7:18:11	F1:98:0F:99:B8:26:02:67:F 4:B7:29:5C:EA:F9:28:9A:E C:52:89:99:76:8B:58:7A:2C :4B:04:9A:D1:62:5B:7D



C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, CN=E-Sign S.A. Class 2 CA - G2	6465C28835B94C3DD5D2AB206D7365FF	F8:0A:F4:D4:B8:94:E4:4A:23:56:A8:41:2E:51:B1:3F:6E:B4:CC:79	96:7F:3B:9A:49:DF:88:BA:8A:0F:2B:B4:2F:28:B0:5C:E2:7D:49:99:E3:14:51:EA:36:A8:76:93:4F:6F:68:15
C=MK, O=KIBS AD Skopje, OU=VeriSign Trust Network, CN=KIBS Verba CA	5384BD646C75142637C29A603304E7D1	84:33:3D:76:44:8D:71:02:11:F9:86:AB:65:8D:8E:AA:B5:2E:18:E0	5B:81:ED:0B:A1:66:EA:31:84:8A:59:E5:AD:67:E9:6D:88:74:A5:5F:11:2F:AF:BC:2E:9E:64:CE:1B:9F:60:73
C=MK, O=KIBS AD Skopje, OU=VeriSign Trust Network, CN=KIBS Verba CA	5D606088B2BDF6790AA5B02AC455520	AC:BA:A2:8D:C8:CA:47:4C:52:BF:88:76:1D:70:E3:8E:1B:2B:FD:DD	DC:6D:1D:AF:47:5D:D1:16:44:9F:DF:69:FE:8D:E7:10:69:88:54:29:2A:17:67:DC:73:36:46:44:A5:B3:45:AE
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=VeriSign Trust Network, CN=S-TRUST Class 2 CA - G2	00D59E3AB1AB7BE0779189A4983B1014	79:B6:6B:3F:B7:A5:77:A6:BA:20:C8:68:2D:5C:8A:5B:46:C3:CB:46	7F:01:58:C3:4E:D4:6B:20:48:B9:FC:42:16:73:30:FB:F9:14:E5:7C:61:2B:A1:20:81:2D:6F:73:9B:0F:06:EC
C=ZA, O=Altech Card Solutions, OU=VeriSign Trust Network, CN=Altech Class 2 CA	7081CB20197433D37DD0D36367087048	38:34:3D:71:BC:DC:7E:64:14:7D:B4:75:3F:33:C0:90:8B:2F:1A:36	E1:15:05:8D:5C:83:D2:E3:BB:FB:F3:F4:6E:38:56:43:5D:3F:6A:2E:71:3F:FD:26:98:3B:D8:84:E5:21:C3:F9
C=ZA, O=Altech Card Solutions, OU=VeriSign Trust Network, CN=Altech Class 2 CA	3E921EF50D49515BB99CDFEE07580A0	9D:06:C5:44:91:07:12:B2:C8:BF:CF:E1:2E:30:51:80:F2:58:20:59	78:3D:2D:C8:CA:CA:DC:88:C4:64:A1:AF:E5:65:4B:7F:6E:48:DE:91:47:B1:82:A7:28:4E:BA:16:0C:2C:84:76
C=ZA, O=Altech Card Solutions, OU=VeriSign Trust Network, CN=Altech Class 2 CA	5DAA89035A5892948E4ACB7B1E67317B	D3:B4:00:66:1D:C5:B7:64:31:C3:59:36:28:72:E3:A6:A0:D7:EA:04	EE:3E:E6:A6:DA:54:7C:C4:9D:FE:41:17:A2:38:AA:1C:68:36:0F:D1:97:4F:0D:64:9A:D1:CC:81:02:5F:67:CC
C=IS, O=Skyyr Ltd, OU=VeriSign Trust Network, CN=Skyyr Class 2 CA - G2	1B4518DD909AF897D3800560BC503CAA	0E:61:3C:87:96:F3:20:3B:D0:7C:D9:BA:E3:3E:FE:6F:F3:82:27:FA	77:A7:7C:C7:5E:FC:87:D5:CA:9E:49:38:3B:A2:0F:48:D7:8E:5B:57:DF:3D:55:C9:61:B4:1D:7B:1D:A8:89:B3
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=VeriSign Trust Network, CN=S-TRUST Class 1 CA - G1	5CB77D193598B49A82562FD2D6A6CF08	F7:4E:F1:BC:EF:7E:9D:F3:96:59:D4:CD:58:75:C7:DD:EC:32:47:F9	A3:03:0D:FA:59:83:94:0D:6A:7A:F6:FB:BA:00:DA:A9:A5:B9:B2:EC:80:49:80:91:FE:C2:12:E8:4E:F8:A0:64
C=BR, O=Certisign Certificadora Digital S.A., OU=VeriSign Trust Network, CN=Certisign Class 2 CA - G2	06D0DA4D722CEAD0520A58522CF5DD62	CB:39:D3:0A:D2:3F:B5:BF:8E:73:48:6C:24:04:ED:3F:6A:0C:A3:1E	88:CF:A8:C6:51:59:41:7F:BA:9B:53:60:FF:7C:47:81:D0:F1:A2:08:61:CC:5B:E2:99:77:AD:67:B7:6C:B0:40
C=IT, O=Trust Italia S.p.A., OU=VeriSign Trust Network, CN=Trust Italia Class 2 CA - G2	767D8CCBB2EF3E2DB902D530DDA3C499	C5:DA:6B:CB:55:4A:F3:B4:BD:AE:87:45:1E:A6:D1:3B:1C:95:37:04	20:8E:A4:F5:E8:F1:91:56:36:00:C7:38:2B:AF:77:E1:29:1F:4D:EA:4C:3A:04:CF:DO:61:EC:C5:95:4E:1E:7D
C=MY, O=MSC Trustgate.com Sdn., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA - G2	5EF4A3C5109FF2ED77589A4913E47DA0	63:08:ED:4B:91:04:B8:88:7B:77:FA:09:55:E9:9A:6A:B8:DD:22:FF	EA:CB:06:CB:B7:B2:51:C6:BF:46:4D:B4:B6:70:DC:CD:C9:25:4C:9A:F3:93:8C:11:0C:EE:74:D0:0E:A0:A2:63
C=MY, O=MSC Trustgate.com Sdn., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA - G2	54F4E89C500793C7246ECD56EEB2194B	CE:A4:FD:ED:DC:15:90:78:0B:6C:22:BC:55:7D:03:C9:01:DC:5E:4C	5A:F4:C5:B2:DE:3A:D0:86:02:64:F6:3C:73:6D:E4:B9:08:97:D7:95:A4:82:23:62:4B:EB:E8:41:9F:D2:2C:F0



C=MY, O=MSC Trustgate.com Sdn., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA - G2	5EF7CC066B0419465 DE55F3FA12FA36B	EF:AC:86:ED:86:28:F1:9E:9 E:F8:9B:62:3D:DB:1E:C4:6 B:AA:65:3E	69:D4:55:F4:81:C2:BB:24:0 4:76:BD:FC:04:F2:5D:17:A F:7F:AD:E2:03:EE:C6:B3:1 9:10:A9:AA:4D:0A:86:D7
C=NL, O=KPN Corporate Market B.V., OU=Symantec Trust Network, CN=KPN Corporate Market Class 2 CA	405459531DD628E04 ACC699971F3525A	05:17:7D:01:8C:5C:F4:EA: OD:FB:63:0A:0C:84:6F:50:E 8:D2:45:DF	1A:ED:19:D0:E4:F6:30:58: B1:7F:FE:2A:55:29:75:F0:3 F:CB:DE:83:67:B2:87:17:1E :57:58:68:BE:14:F9:38
C=NL, O=KPN Corporate Market B.V., OU=Symantec Trust Network, CN=KPN Corporate Market Class 2 Certification Authority	5BD112D34816C8615 0F17D87E5CB9E7E	43:88:93:25:A6:C1:E5:88:2 1:EB:48:48:27:86:26:CE:67 :C6:0C:45	77:82:F8:63:50:19:E0:2E:5 B:71:B2:74:F5:77:8A:F4:71 :7E:BE:B1:62:BD:C5:4B:D5: 23:47:74:B2:29:69:BD
C=NL, O=KPN Corporate Market B.V., OU=Symantec Trust Network, CN=KPN Corporate Market Class 2 Certification Authority	071B783CCC8DD5FE6 D2175BC5BAD8384	61:65:E3:9A:FD:11:A0:FA:4 F:1B:A9:F6:44:AE:DD:BB:F A:6F:8D:4A	F4:E2:0D:17:1A:AA:61:E1: D8:EE:B3:51:79:CA:77:CD: OC:C5:7B:EB:B3:C8:60:E5: B9:22:2A:6D:B3:CA:E1:B4
C=JP, O=VeriSign Japan K.K., OU=Symantec Trust Network, CN=VeriSign Japan Class 1 CA - G5	0ACA5B0F1446A6428 FCDFAF1F053550FF	14:D1:97:18:18:4D:B6:64:7 4:60:60:53:6F:79:4A:0F:AA :68:EF:52	9C:EB:C0:30:75:0F:1A:1B: AD:C0:6C:99:85:58:AE:20: 9D:FC:CA:68:A8:0D:38:C1: 61:A8:5D:C5:AF:68:DD:48
C=JP, O=VeriSign Japan K.K., OU=Symantec Trust Network, CN=VeriSign Japan Class 1 CA - G5	6C5CAF3D3850ABA66 F386AD0BD02D339	45:F1:F3:A9:CB:46:F7:80:4 0:46:9E:A1:7C:EC:59:4D:0 F:16:A4:63	41:AA:85:FB:17:77:70:92:F 6:F7:04:ED:1C:17:BF:13:8A :64:3E:43:BA:8B:26:04:4A: 67:D0:63:33:C0:06:6C
C=JP, O=VeriSign Japan K.K., OU=Symantec Trust Network, CN=VeriSign Japan Class 1 CA - G5	022F53359D5D45575 17DAABE8415C869	E9:67:20:A7:06:3E:0C:28:8 D:73:C3:39:91:72:09:87:37 :AD:80:5F	02:E9:E3:23:CD:6F:98:37:4 0:79:52:35:14:C3:78:3A:C1 :00:3A:B8:0A:BC:BA:0E:E2: 25:8C:41:8E:AC:44:CC
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=Symantec Trust Network, CN=S-TRUST Class 2 CA - G6	4FDEA54D9E8E89980 EE475DCD9C85F9A	07:5D:9B:A0:26:47:00:08:4 B:C7:83:F5:7E:0D:69:1E:E3 :69:35:B7	E5:C0:DD:B7:F5:CE:0B:C0: A6:BF:AB:6F:B3:32:25:18: CF:F3:0C:1D:7A:CC:88:A1: 60:C0:60:13:21:86:CB:BE
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=Symantec Trust Network, CN=S-TRUST Class 2 CA - G6	3CBBAD0218B471168 A007D987C6BB4C3	0B:95:A9:D9:E1:CD:80:09: A5:D8:50:80:7F:B4:C3:6F:1 E:F7:D2:32	F4:E8:C1:38:E4:2C:8F:63:3 7:5A:F6:68:90:92:13:33:6C :5C:9E:D7:2A:A8:1C:3B:64: 1D:1F:68:AA:9A:B8:3A
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Japan Class 1 CA	3577B35465B20991A 390EAEA4556D610	79:6B:FC:3C:FA:55:A4:8A: 4F:01:A8:55:C0:6A:E8:34:B 2:85:AF:97	D6:A3:57:4E:4C:2A:A2:D1: 53:97:D5:A9:BE:FC:F8:38:0 9:10:CC:01:48:BA:B8:6A:0 B:9F:F4:0E:26:59:BC:E8
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Japan Class 1 CA	0F2CA41C5939E9E3B 070BBC97ECCF02D	D4:58:B0:D0:BE:19:2F:7A: F6:B1:22:74:80:29:56:F4:1 B:41:A5:AA	50:77:79:7A:18:15:E4:82:8 7:38:58:98:61:89:08:BD:7E :D1:82:D0:37:25:F0:3B:02: F1:3B:FF:D6:65:2F:6A
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Japan Class 2 CA	226AA5C3AFefa2198 745E44AA532AC9D	63:30:55:F1:9B:7F:89:D2:1 4:C6:B1:B3:66:5C:5E:AC:C 0:8A:5F:C8	AB:62:A0:A1:DE:53:BA:06: E7:71:43:8E:5D:05:26:D3:D 8:B0:23:53:30:C6:5A:A4:BF :80:D8:55:90:8E:2D:C4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Japan Class 2 CA	05926C5994BBE474A E3D441BB7BE82FB	D8:DF:58:53:9E:55:6F:7E:F E:1B:BC:53:80:3F:62:F2:07 :46:09:78	8C:82:B7:6F:CA:9C:ED:6A: 0C:6A:7B:31:41:CC:B5:85: EC:94:19:21:EC:0B:33:D9: 56:CB:29:07:18:51:C7:D9



C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=Symantec Trust Network, CN=S-TRUST Class 2 CA - G3	4FDE25B6CA38C79CE5E5298FCC6C5A45	B2:8D:84:57:8F:7F:7E:6F:B2:CB:81:63:67:5D:5C:16:F6:52:27:4F	85:65:A2:A0:D4:41:0B:84:D2:53:F5:A1:3A:F7:A0:97:A6:4B:1E:C7:1F:70:07:CD:27:11:36:B5:32:FE:11:13
C=DE, O=Deutscher Sparkassen Verlag GmbH, OU=Symantec Trust Network, CN=S-TRUST Class 2 CA - G3	766999BE5D370767E9A52BD667602199	C1:88:82:F7:60:D7:DE:3D:F7:09:8A:50:AA:54:84:AD:EA:4B:F3:8C	3A:E1:82:64:FA:23:03:9D:26:EE:2E:BD:F2:43:A2:0F:1B:65:6B:FF:33:0C:A4:4C:23:DD:DD:31:C9:60:ED:7D
C=GR, O=ADACOM S.A., OU=Symantec Trust Network, CN=ADACOM Class 2 CA - G4	45EB11EE0ABB1E2FE85EAF9AADF4DEAA	74:9D:77:FF:54:A1:27:B0:53:EC:3F:5A:D7:96:3D:2A:48:07:5E:25	EC:28:78:2B:FD:B9:97:87:59:46:D0:78:C3:A9:C6:48:1D:34:D5:F7:75:D2:9F:0F:8C:B8:00:10:C9:33:13:98
C=GR, O=ADACOM S.A., OU=Symantec Trust Network, CN=ADACOM Class 2 CA - G4	12D4699CE391AB25267C6C5D0A06F9A6	F0:53:53:C0:36:8C:52:51:9E:C9:8C:23:67:BD:C2:ED:0D:5E:94:1D	4B:FA:DB:4E:B3:0D:4D:E9:2B:C2:38:23:E9:50:E4:C4:8E:86:D7:29:A1:1B:C7:6F:18:79:0E:38:F3:4A:05:50
C=GB, O=British Telecommunications plc, OU=Symantec Trust Network, CN=BT Class 2 CA - G3	08E90B09364834EBFEF7E28C1C71D40B	0C:75:87:14:AD:BA:F4:81:B1:51:19:8B:9F:13:E4:C2:84:F3:0C:EE	4F:D9:5A:FC:50:5C:1C:CB:5A:DA:4B:A0:0B:04:94:56:FC:8F:7B:FB:73:AD:0C:1A:9B:61:F2:F8:E8:EE:42:79
C=GB, O=British Telecommunications plc, OU=Symantec Trust Network, CN=BT Class 2 CA - G3	5908B3F251B1A87A71EEA2FE4D3BCBD4	A1:E6:EC:17:40:7A:C5:2D:17:61:AD:D9:89:64:A3:00:EA:BA:56:52	AA:25:7A:6C:E4:A1:EB:7F:6A:50:8B:50:37:D8:1D:E2:78:2C:8D:8A:EA:01:27:DE:1E:31:15:02:18:BE:DA:75
C=IT, O=Trust Italia S.p.A., OU=Symantec Trust Network, CN=Trust Italia Class 2 CA - G3	27E25F64A358498B5ADCB6F4BAB482CC	19:73:0A:CC:86:96:B4:8F:31:88:58:ED:A0:81:20:2E:DB:BA:F4:92	50:40:F1:79:44:81:45:C3:E9:62:9D:27:34:3D:34:01:DF:F9:07:C0:D0:80:7D:A4:AF:DB:B9:26:D6:6A:8C:09
C=IT, O=Trust Italia S.p.A., OU=Symantec Trust Network, CN=Trust Italia Class 2 CA - G3	011905A4A301D3D1D8C44425CA75E7A7	6A:2B:D5:10:BD:91:1E:CC:36:5A:FF:50:AC:E6:C5:22:70:DC:1F:0B	33:72:E8:E8:06:44:34:0E:8B:A0:BA:CC:B2:AE:75:77:47:A6:CA:B8:97:79:47:AA:14:EC:88:38:F2:F0:1D:34
C=KR, O=KECA, Inc., OU=Symantec Trust Network, CN=CrossCert Class 2 CA - G3	026D89F34B990ACE5D09DAED298BFBB5	94:0C:89:C3:88:17:9B:D8:0C:79:8B:6F:E8:91:AC:C3:EF:D7:D1:E5	3B:75:55:AE:65:31:2A:21:B1:41:F6:10:28:8E:5F:53:3C:68:AB:0D:B5:FB:95:80:F3:7E:B2:21:8D:0C:27:98
C=KR, O=KECA, Inc., OU=Symantec Trust Network, CN=CrossCert Class 2 CA - G3	72A2FDDE7F29E240DC8EF6416A654991	AA:EC:64:21:0A:C9:18:79:E1:81:A8:AB:C9:0F:68:E4:0A:B1:63:69	25:A0:B8:C9:77:3E:44:60:E1:99:71:EF:78:1B:E8:1B:DB:77:04:ED:5E:48:6B:26:78:66:A3:AB:6C:2C:0D:44
O=CertiSur S.A., OU=Symantec Trust Network, CN=CertiSur Class 2 CA - G3	02C1AEC63D80C5C5A4B821EB34CD2DFF	DB:34:DC:36:48:59:F3:78:9F:07:CE:5D:B0:C7:6C:BC:3C:CE:D4:7A	04:1E:70:B7:DD:DD:0F:2F:90:F2:85:C4:C7:1E:0E:20:53:33:12:A1:07:73:79:4A:21:B5:79:1E:C8:75:59:58
C=BR, O=Certisign Certificadora Digital S.A., OU=Symantec Trust Network, CN=Certisign Class 2 CA - G3	2EC91F879ABEC179328CC7158D1C368C	01:1A:48:80:44:B2:38:9B:E6:50:41:DD:6D:BB:92:F5:A5:F1:6F:90	8E:7E:A2:58:F7:43:72:F8:8E:0B:18:2F:A6:0B:7F:83:EC:FB:BB:6F:1F:FE:61:45:BF:24:F7:44:16:CD:02:CC
C=BR, O=Certisign Certificadora Digital S.A., OU=Symantec Trust Network, CN=Certisign Class 2 CA - G3	5CCA628A48CC9399C60C0BF57CBB1E11	71:EA:03:8D:25:AC:24:23:B3:3B:CD:00:A6:DB:2D:43:60:26:5F:3C	01:1B:07:4C:1D:1D:22:A9:27:40:65:97:AB:4E:51:14:F5:C0:45:61:2E:C9:8C:C4:29:A1:A9:3E:19:86:E6:F6



C=MK, O=KIBS AD Skopje, OU=Symantec Trust Network, CN=KibsTrust Certification Authority	6021076ED028A75AE 053EA334DC6C611	19:0E:1B:A6:EB:89:9B:56:2 B:58:49:23:DF:9A:4E:C6:D 9:2D:3D:22	77:36:BC:50:A3:B0:63:48:A D:5D:C3:14:9D:2B:B5:3E:A 1:C7:66:38:10:61:DA:F4:A1 :8E:E9:9C:48:DD:0D:3B
C=MK, O=KIBS AD Skopje, OU=Symantec Trust Network, CN=KibsTrust Certification Authority	50195F99A1B56D1DD C496C769DED20F0	2B:74:BA:36:68:94:47:5A:A 3:F0:0B:57:07:6D:A6:9B:98 :BC:B4:14	FE:56:D8:42:A2:A2:B9:03:E 0:50:97:14:80:E7:DE:A2:C D:85:E4:27:F3:67:15:0B:C4 :49:C6:40:C3:B0:24:5B
C=NL, O=KPN B.V., OU=Symantec Trust Network, CN=KPN Class 2 CA	539D508A3DB120B24 1DBDBB69B878FCB	48:AA:4E:B4:B2:47:83:2C: C7:3C:6C:BE:2C:01:B1:01: F0:50:2B:CA	48:C9:B4:11:32:D8:B7:D9: 1E:A0:52:BA:1B:D3:67:CD: AB:25:48:D5:97:95:C7:E0:F 2:1A:E2:EE:89:E0:11:88
C=NL, O=KPN B.V., OU=Symantec Trust Network, CN=KPN Class 2 CA	56DEFDEABD703514F 01C1907AA4B928D	F4:0B:30:7B:1D:63:5C:0D: 8D:37:0F:8A:2C:AA:7C:03: 2D:88:1C:0B	23:72:9A:AD:51:9F:B7:32:4 1:1B:AA:54:1E:EA:75:A6:4 7:13:EF:76:1A:FB:A1:C2:C 3:CF:82:5D:29:D3:59:09
C=NL, O=KPN B.V., OU=Symantec Trust Network, CN=KPN Class 2 CA	6BD6D279D9DFD8126 9C41019BE8A8D82	D0:E0:D5:BA:4C:7F:06:32: F2:F7:05:E2:DB:E0:AC:76: E8:EC:8E:27	CA:BB:66:C9:75:78:19:62: D7:32:B9:31:2E:F3:90:8C:A 3:ED:6F:5C:BB:76:D6:32:2 E:5E:A2:B4:78:36:F4:D3
C=MY, O=MSC Trustgate.com Sdn. Bhd., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA-G3	11EDA4EC54391092D DC97BFDF95832C	18:71:21:4A:DD:16:B3:B7: 8B:08:7A:35:AD:B7:A9:A0: 57:0A:17:1D	88:5B:CC:EC:D1:40:02:A0: 69:F5:7E:86:1F:69:19:C1:7 5:E7:91:C2:CA:60:5B:49:4 D:D7:96:06:84:B3:A0:93
C=MY, O=MSC Trustgate.com Sdn. Bhd., OU=Symantec Trust Network, CN=MSC Trustgate.com Class 2 CA-G3	35629FA5234394D5D 2120C9F8F7C25E5	FE:C9:D4:25:9B:C0:87:58: A4:92:04:27:E1:5A:F2:FF:8 8:08:4B:FF	6A:03:92:DD:4B:5B:AA:F8: 20:54:60:7F:CD:6F:51:C7:3 E:72:6A:F4:44:E2:40:03:82 :D7:5C:4F:D2:0C:2B:3F
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, CN=VeriSign Class 3 Secure Server CA - G2	1F532AFAF85493D78 26B5930D6515940	44:32:01:47:89:47:51:13:6 2:BA:58:E2:25:3C:FD:98:3 D:76:D3:24	0E:48:FE:8D:F7:98:36:EF:8 1:1C:61:B3:6E:A2:C5:47:05 :31:AE:80:04:1D:B6:4D:29: B6:94:B4:A1:C1:BE:1F
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, CN=VeriSign Class 3 Secure Server CA - G2	2F006ECD177066E75 FA3820A791F05AE	76:44:59:78:1B:AC:B0:47:6 3:A5:D0:A1:58:91:65:26:1F :29:8E:3B	0A:41:51:D5:E5:8B:84:B8: AC:E5:3A:5C:12:12:2A:C9: 59:CD:69:91:FB:B3:8E:99: B5:76:C0:AB:DA:C3:58:14
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, CN=VeriSign Class 3 Managed PKI Administrator CA - G3	399F0AABA202BEA84 D777CE127B83EDE	49:F6:DB:4F:C0:DD:60:75: 8F:BA:33:0F:76:F4:D6:95:D F:56:2F:E8	57:1A:E2:E7:36:9F:B1:93:B 4:BC:55:59:90:07:8B:B2:22 :AA:10:37:28:59:8E:1E:FC: 09:7A:7F:EB:77:97:2F
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, CN=Symantec Class 3 Organizational CA - G2	54B3765D515F9D0DE E49A7C0DA1FF5CA	1C:48:6D:AC:A6:15:29:EF: 25:F8:DB:3B:49:4D:E2:F0:6 C:A1:DD:7B	05:BD:D9:A7:C6:70:6D:39: D6:DB:1A:58:0A:AF:F6:7D: 46:73:02:7B:6C:F0:1F:D1:5 3:67:D8:ED:84:A8:90:F0
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, CN=Symantec Class 3 Organizational CA - G2	383AD93F4D4C6A2F1 DB87486181A625B	51:42:61:ED:CD:64:E8:50:1 C:81:39:0E:C0:AC:AA:93:2 D:78:18:3C	F5:06:8C:42:93:A2:6A:0E:4 2:0D:02:AE:4B:EF:27:00:83 :77:E3:E7:EC:D8:E5:CF:19: 44:28:16:2E:3C:40:F4



C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, CN=Symantec Class 3 Organizational CA - G2	1A9EF98C09DFB7F3D45486676718FEA6	7B:01:00:19:9F:0E:D0:F6:26:E0:B0:63:FE:2F:1A:41:EE:12:1B:72	DD:E4:BE:BF:26:2C:9D:8D:F5:CB:54:FE:4F:59:95:19:1E:AF:58:AD:CB:92:FE:5A:ED:31:28:AC:0D:19:16:C7
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Insattningsgaranti Service CA, CN=Symantec Class 3 Organizational CA - G3	71B16489BFDD39B7A34F3B2094C579E3	86:07:2C:CB:81:ED:8F:F4:73:63:D9:F3:5E:FD:65:C0:E4:06:FB:F6	CF:6F:24:FF:E4:8F:84:08:A7:5C:FA:DF:2B:65:F8:A4:E4:17:2F:3B:7C:24:C4:1B:5B:74:81:D2:40:18:19:7C
C=DK, O=APMM A/S, OU=VeriSign Trust Network, CN=APMM Certificate Authority	3ABC7A27558644E61D05EF04C86C8F5F	54:18:7C:F9:3A:69:D1:A1:0D:A8:23:DC:A3:95:B6:F8:1C:89:42:F2	0C:B8:26:87:CD:03:AD:53:5A:42:76:92:40:64:79:9A:49:E4:3D:39:A8:97:CC:86:21:6C:4F:D5:23:47:B9:37
C=DK, O=APMM A/S, OU=VeriSign Trust Network, CN=APMM Certificate Authority	63BE1A60EDED2EA97157B96EB07DC149	56:D2:6C:D9:7B:56:AF:FA:B0:35:BC:91:53:87:D0:7F:96:23:D5:F7	DC:6E:4F:60:22:E9:FC:C9:46:BC:7D:36:EE:C3:84:66:6B:64:4C:08:71:96:39:9E:5A:2D:A9:6F:F1:15:90:45
C=US, O=University of Houston, OU=Symantec Trust Network, CN=University of Houston Intermediate CA	5138A1BE03884C5D63AA16E765CDD940	F1:FE:C0:EC:46:F6:4F:75:6F:A6:C9:72:80:CB:97:5E:8F:2B:9E:2C	8A:D8:E9:5B:7B:83:F0:BC:77:2B:EB:C7:5F:FE:0C:51:F6:5C:77:B6:3B:08:21:AD:C1:3C:DC:5A:C9:C2:72:67
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Signing RSA Intermediate CA	0869544B0438EC59742EB7C004207299	C1:9D:F8:CB:7B:6A:C5:A3:59:D4:B2:9A:1E:CD:FA:E3:E1:09:07:C5	66:F7:B0:14:7C:09:F9:DA:79:E6:38:00:A9:6F:64:9D:A7:E5:97:57:F8:76:F0:81:26:D0:7E:8F:B8:54:24:88
O=Sun Microsystems Inc, OU=VeriSign Trust Network, CN=Sun Microsystems Inc Root CA	6E65207753C19222D56615A17A882FEC	D9:37:85:C7:3B:DF:61:C2:21:A2:E0:70:71:21:79:D2:3E:A1:A6:FA	35:6A:86:A3:A0:B9:FF:C7:07:EE:F8:18:CE:C7:FD:FC:14:8F:A4:A9:2C:13:7B:1B:E9:55:7C:FD:2B:D0:B8:B5
C=US, O=Oracle Corporation, OU=VeriSign Trust Network, CN=Oracle Root CA	4BBADC315DBF8B5C71934118363087C	19:A6:43:7E:84:16:FB:EC:49:80:93:66:BA:49:AB:17:14:B4:96:6D	C4:04:69:CF:7C:65:61:AF:32:88:E2:FF:DD:43:9A:C4:F0:C9:CE:A9:33:59:7C:07:D0:D5:10:FC:82:02:82:AD
C=US, O=Futron Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Futron Corporation CA	13DAA25A761CD9FD B9822A8E03F63AE6	1E:E1:B8:F5:AF:EF:3F:9C:46:20:DA:31:45:35:40:F7:6D:DC:44:EF	F8:10:2F:E1:B2:0E:2D:43:FB:F1:27:62:04:79:57:A4:76:33:2A:74:E5:11:C3:28:38:3B:38:9E:DF:DD:7F:01
C=FR, O=Groupe SEB, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Groupe SEB CA	72FB8B2C78E69509927F4B85FE8DE299	C6:7E:73:2D:02:F8:4B:CE:F8:E1:2D:C6:A8:C4:11:58:87:C3:2F:7C	A6:66:0F:52:0C:FF:42:D0:FA:B1:15:71:FE:0E:62:85:B7:60:ED:13:A3:F9:D9:E3:36:A5:17:33:FA:47:AD:42
C=US, O=Fairfax County Government, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Fairfax County Government CA - G2	78DE4BF6D4547BF8FD585BA6EAA8E888	7F:FC:0F:D9:E2:A2:FA:0E:6C:82:F0:1A:19:D9:40:A8:9F:6D:2C:91	75:2D:D2:F4:38:15:05:29:B9:E8:AC:A1:7C:66:D0:6D:A0:A7:E4:47:71:F5:F0:8E:46:7B:0A:F9:8E:85:FF:50



C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, CN=VeriSign Class 2 Employee CA - G3	173402FA69B7ABD3F4A25600A2EC2930	C5:22:88:3F:01:E2:1E:A0:39:3E:FA:5D:51:F0:1D:DF:00:45:80:0B	D4:D8:FC:83:C3:AE:98:AC:D1:20:DA:B0:D6:37:48:C1:A5:92:60:41:8A:C4:1B:3E:D1:34:50:9F:56:5C:2D:74
C=US, O=THE GLOSTEN ASSOCIATES, INC., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=THE GLOSTEN ASSOCIATES, INC. CA	56A5FC1DA2328D64F3774D578877FF29	B0:A0:5E:A0:28:3B:F5:39:60:86:26:56:AC:81:99:E5:82:45:BF:C6	26:A1:EB:BB:E7:71:C1:89:C4:3A:56:C7:14:CB:B1:DE:9A:C2:5A:2B:6A:FB:D1:E8:FF:A3:3C:33:81:B8:06:2C
C=US, O=THE GLOSTEN ASSOCIATES, INC., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=THE GLOSTEN ASSOCIATES, INC. CA	08037E5743F72BDE52B17A671182C3A8	F8:F8:56:11:7B:20:2A:96:59:83:37:5E:6A:CB:47:73:D7:D5:F2:78	A5:4F:A9:FF:E9:83:B9:A1:9A:1E:42:F1:46:23:54:10:8F:41:B5:C4:6C:DB:72:71:0B:2D:94:EC:FB:C8:8E:5F
C=FR, O=Sidel, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Sidel CA	69235AA2CAA72FF4E2EC3AE62E809505	71:F3:F7:E1:19:AF:6A:02:98:26:58:54:08:AE:2E:9F:27:0A:A4:60	C8:3B:5E:BB:6C:D9:3E:5F:DF:C5:0E:09:52:6A:BB:1B:EC:77:85:AB:FA:74:FF:CC:86:E4:72:DA:7D:04:4D:31
C=US, O=Adobe Systems Incorporated, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Adobe CA 1 G2	0271169419B3554C1DD2D9B80BE19A12	10:3A:EE:6E:FC:D4:A0:6B:F2:9E:B8:B8:6D:DB:85:0A:DB:A7:46:48	8D:FF:0B:67:22:B0:D7:94:6A:7C:C0:C9:A0:09:A6:84:D3:2F:C7:28:04:1A:7B:2B:6C:EE:FD:3F:FD:F1:38:EC
C=AU, O=BHP Billiton Group Operations Pty Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=BHP Billiton CA - G2	71D72EDFB4BFC4D2CE2FC4C2A7C5781C	43:5C:5A:79:D7:83:41:25:6F:22:2B:F3:A3:C1:15:D7:14:9B:5D:D4	43:69:E0:83:A2:7F:C4:75:17:66:F0:BF:65:41:F3:5F:8A:59:E9:29:1C:4A:BF:75:22:79:BD:36:53:B4:D7:5F
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Persona Not Validated, CN=VeriSign Class 1 Individual Subscriber CA - G3	711566054AE491214DE9BC44F9ACD3DC	3F:59:1E:B3:7C:2E:E1:87:14:8B:20:85:E2:76:33:12:66:B9:7F:6A	30:95:16:3C:87:EC:9B:A3:9E:A3:D3:C4:C5:A7:3E:5F:B8:17:7C:D7:69:9B:7F:E0:7F:71:B2:01:80:E9:F8:FD
C=ES, O=GRUPO S21SEC GESTION SA, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GRUPO S21SEC GESTION SA CA	7F413F2E00F144FOA4EDA00D77FD5D3E	3E:6A:33:13:33:12:36:06:DD:F7:93:B7:3D:53:68:FE:D7:50:99:43	D2:07:23:4E:2C:D9:A7:EA:B5:6C:70:F8:02:C0:54:83:C3:AB:B4:C9:46:B8:CD:E2:97:59:FF:C4:30:26:84:93
C=US, O=The Bank of Tokyo-Mitsubishi UFJ Ltd., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Global Markets Division for the Americas CA	59D104BB36B889CB0CEBC1D2E819CB44	13:A8:22:44:62:70:28:44:3D:95:BB:AE:87:8F:65:3B:3B:0B:02:3B	B5:68:53:B0:5C:1D:80:97:DF:D6:41:47:04:B6:7C:A7:DA:56:F6:C6:8C:DC:85:06:CC:6D:FB:87:74:3C:DE:FF



C=US, O=The Bank of Tokyo-Mitsubishi UFJ Ltd., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Global Markets Division for the Americas CA	52C0564F1B3ACA2ED5141D2252E7BB9D	15:B8:CE:94:35:05:1B:84:60:DC:B7:EE:25:0E:39:A6:D C:89:15:DD	F1:6E:D4:67:0A:AF:38:AD:3D:B3:BB:72:98:2A:E6:89:CB:84:FB:0B:C6:B0:9F:2B:57:9F:B4:F7:23:65:2F:0A
C=CA, O=Vancouver International Airport Authority, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Vancouver International Airport Authority CA	1C4F442EE53EC626C15C5DBF94CD4923	56:D6:0F:A9:90:F2:5E:32:3E:E3:A5:20:35:E5:87:0F:C4 :C0:A6:EC	3E:C0:9F:72:F8:C7:F2:AE:38:9E:DC:B6:E9:CA:06:8E:17:94:17:DF:42:B1:14:08:9B :0C:12:66:40:D2:F5:A9
C=CA, O=Vancouver International Airport Authority, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Vancouver International Airport Authority CA	40309E100D6832D8C64D3CEC3178370F	E1:20:FA:45:5B:CB:A1:18:3B:F2:9E:E4:4D:FC:52:86:C5:12:C6:2E	4C:48:67:1C:48:02:0A:CC:CD:3D:BB:E7:8C:45:2B:A5:7C:4B:ED:83:BD:B1:A1:C3:3A:98:12:52:90:F9:CA:A3
C=US, O=International Business Machines Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=IBM Certification Authority G2	04B5F8BDE60614772AC76C767884F843	2D:E4:D7:09:DD:11:D2:1F:CD:45:37:94:E6:B6:D9:0F:2B:FD:33:3D	2D:55:A8:BC:4E:5B:05:32:6C:13:B8:24:F5:4E:7A:CB:EC:6A:03:CA:68:8F:61:39:F A:84:DB:DA:DD:07:2C:3A
C=US, O=International Business Machines Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=IBM Certification Authority G2	4DD82A2C0C4F51E94DFAF1CF1A7C1E15	DC:DF:19:98:6E:72:0B:DE:60:D2:D1:17:18:54:43:00:F7:DC:97:A1	EE:FF:FC:2E:A3:E9:E9:C9:4D:F8:B2:A2:4F:15:29:74:38 :17:48:35:49:7B:C6:7E:99:20:39:63:AD:97:62:8B
C=FI, O=Nokia Siemens Networks, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Nokia Siemens Networks CA	0572F5464D9800F92BE6C5A6DEF137DC	D3:CC:95:2B:67:17:83:57:85:80:ED:8E:71:BA:EF:F6:51 :FA:12:7A	01:89:FB:D1:6D:79:3B:7E:4F:2B:80:DF:0E:46:D2:52:A9 :50:EB:83:7E:3D:77:30:8B:67:14:7D:46:42:E1:B6
C=US, O=Farmers and Merchants State Bank, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Farmers and Merchants State Bank CA	498504A9168A4F4F839C77A64C8DCA59	A4:70:64:C0:1C:90:FA:C9:65:83:81:A4:75:53:BF:BB:27:8D:02:13	26:EC:08:8A:52:74:5C:B3:82:6E:A4:50:6E:14:7E:8C:56 :B3:A6:AD:32:A1:A5:95:CD :2F:3C:E0:A2:7E:C8:89
C=US, O=Hewlett-Packard Company, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Collaboration Certification Authority G2	44BDF300D461EB5692A1881029CB8C1	5F:E5:DA:BB:BF:3B:BE:A4:E8:FE:1A:23:EF:5E:6F:3E:E E:41:B1:70	F4:5D:70:C3:41:AF:FC:2D:F5:7E:8F:C4:4F:2C:2B:10:9 C:5A:92:8B:FA:EC:38:67:28:90:D4:97:0A:B4:17:9B



C=US, O=Hewlett-Packard Company, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Collaboration Certification Authority G2	3B5713B6B02135FB5E4675CA6CB2C4E1	CC:60:53:57:44:89:41:C2:C6:B4:24:F9:37:D7:42:D9:99:AC:9A:CA	4F:06:0D:74:7E:E4:24:CE:8D:A4:CA:F5:38:15:88:FB:16:4A:9E:55:3E:22:95:D3:7D:86:21:4A:98:CF:A5:C4
C=US, O=ATT Services, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Corporate Certificates CA	56EC504F69CBA02A2034CC3D2E31CD85	3F:80:AA:42:72:4C:D2:CB:C6:8D:4F:E6:CD:B8:76:87:53:74:37:FF	26:19:53:AC:B8:65:15:57:0B:62:97:6D:AC:DB:78:7B:8B:CC:D2:F0:2F:C2:B9:D3:79:FD:B2:15:9B:E7:B1:12
C=US, O=Bartlett Regional Hospital, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Bartlett Regional Hospital UA PKI CA	50F5E3ECCE7A85CD5BF74A8E713FA416	B1:2B:FF:F0:73:F1:2D:40:3E:2C:3B:3F:15:47:B7:02:3F:1C:7C:0B	A6:04:BB:5F:3A:78:5A:F6:4A:BE:28:31:D7:0A:E0:A6:9B:C9:75:4B:B3:3A:BE:A3:C1:ED:A9:40:36:06:8B:AF
C=US, O=Bartlett Regional Hospital, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Bartlett Regional Hospital UA PKI CA	5338B341FA3CA416E2100C2BA85B8E11	B7:8A:6A:BE:BF:ED:80:64:03:21:28:3B:1C:D1:93:A7:79:30:0E:C4	4E:19:52:C9:4E:6D:3D:FE:05:87:1A:45:71:C1:81:2C:E0:4C:EC:40:49:88:AC:B9:F4:EC:43:59:94:B4:BF:44
C=US, O=United Services Automobile Association, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=USAA Digital ID CA	123B4EDFAB890E1140055A25E491D3F6	06:17:8E:E0:AA:CA:6A:54:40:3A:66:BD:63:79:8D:56:5D:54:AE:3E	8E:FE:CF:B4:D5:9F:1A:7E:46:75:1F:1A:3E:55:39:CB:99:DB:3D:F1:B6:8C:BC:2F:20:0E:DC:30:38:16:87:7D
C=US, O=United Services Automobile Association, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=USAA Digital ID CA	1B784DEADC44EEC87D1CEC83DB852A8C	9F:EF:BC:EE:4A:8E:F4:FA:FD:E1:32:D0:1F:19:07:01:40:50:26:B5	B9:66:63:78:7F:91:52:66:F4:A0:F4:B6:3A:28:12:4C:8F:0D:8E:41:A6:8C:EF:6A:7E:05:A7:F5:50:E9:DA:4E
C=US, O=Spirit AeroSystems, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Spirit AeroSystems CA - G2	3270302EE1748477990516307098F2D1	74:2F:64:EC:CD:63:BA:6C:35:FC:B3:F0:AE:6B:E9:C2:F9:C3:4D:65	DC:D9:AA:D1:D3:3A:A7:33:01:75:84:C9:1C:4E:4D:D0:51:98:CB:A0:B0:71:CE:5F:ED:AF:AB:61:63:FF:6B:11
C=US, O=Spirit AeroSystems, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Spirit AeroSystems CA - G2	3263378309BF6ED5D382DB9C1C374DE9	82:A6:E1:F9:15:CC:C0:D4:4B:28:12:9A:35:A9:AF:9B:9A:31:57:98	4D:76:5D:11:7C:B1:B1:BB:26:A6:36:82:AD:B5:13:26:AE:50:06:E7:88:F9:0F:F8:22:F1:FD:A9:6B:CE:A2:C7
C=US, O=Invesco Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10,	558C08427B7A0258942A1D18D99359F2	55:40:95:0E:08:53:BD:AD:F1:9F:E8:83:83:A0:07:2F:9B:25:42:1A	DD:EB:32:69:13:28:D2:D9:D8:55:91:05:3D:65:39:75:E



OU=Class 2 Managed PKI Individual Subscriber CA, CN=Invesco Extranet CA			B:EB:9E:5B:DC:83:DE:9A:04:DF:EE:D0:8C:DE:50:0D
C=US, O=Invesco Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Invesco Global Cash Management CA	17EAF654D1B99309C27FA0852623CDDE	DA:65:AC:84:1A:D0:3D:E3:96:09:38:F4:49:EB:7C:DD:94:2C:06:D9	2C:DD:11:0A:38:D2:1C:06:E3:05:39:6F:85:A1:BE:3A:AE:1D:8D:8F:1B:81:D1:E0:D7:4F:E8:45:43:1C:1D:99
C=US, O=Westinghouse Electric Company LLC, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Westinghouse Access Programs CA	4DA0EDA8917DB48E30042F53178BE6E5	F0:9D:4D:FA:FC:07:4F:A8:41:F2:D5:2A:20:2D:12:00:48:FD:58:87	66:E3:1B:54:C2:5A:C7:38:B0:1C:6B:1E:08:EA:74:EA:5A:9B:D1:9D:CD:25:85:1F:20:7F:D0:8F:B9:5E:C6:A3
C=SE, O=Tetra Pak International SA, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tetra Laval Group CA - G2	3C24C5EC6B0FDA209CCCD1778593A862	BF:5D:B0:76:02:BE:AD:80:36:54:4C:97:10:6B:3F:2F:FB:7B:C3:5E	45:6A:6B:18:FA:9B:1D:68:64:AD:02:A1:B3:E6:D7:37:F6:64:42:7F:E3:26:C1:CF:6D:65:80:83:F5:2C:C5:F1
C=SE, O=Tetra Pak International SA, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tetra Laval Group CA - G2	4645A86F485E2FF74E417F84DB5AD26D	E2:EB:2E:4B:FA:B6:86:12:0D:D9:24:74:20:07:A3:D6:56:A4:45:51	AF:C5:8C:D8:D6:41:AF:B5:89:D6:31:7B:D6:D0:A1:6A:69:92:E0:45:E4:B4:85:57:77:C6:A9:C3:F6:31:25:D3
C=SG, O=National University of Singapore, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=National University of Singapore CA	7AA9DFC38285C28A1BE5C40630AE93CB	F6:8D:4A:97:15:E8:B2:74:55:62:AD:AD:33:9F:3B:DF:E6:51:DF:CE	C7:AF:67:FF:08:2E:57:B2:03:C0:E9:50:1C:62:BD:BB:C1:03:39:CB:8B:D8:9E:4F:91:E8:82:7D:F8:26:E7:DD
C=CA, O=TELUS Communications Company, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)07, OU=Class 2 Managed PKI Individual Subscriber CA, CN=TELUS External CA	46EFDC284FDEB0600F1C90C77771545E	1F:19:4C:CC:44:75:90:9E:F1:70:56:23:F2:5F:C4:D9:AB:81:9C:A5	08:38:11:95:D4:A9:79:D0:31:48:50:9F:64:C4:D7:96:E5:04:8C:BB:04:D1:9F:55:44:54:C9:1D:94:AE:DD:DA
C=US, O=United Launch Alliance, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA	5D160C4901B3FF3CC77DADC8F6DD6063	01:A1:98:14:E8:06:56:D7:AA:08:CD:3E:05:F8:AD:4B:D2:2F:F4:A1	EC:3F:C8:BF:83:8B:A9:B8:AE:78:6F:4B:B0:7A:59:01:69:06:30:D7:0E:67:BF:40:19:76:1D:12:C7:0D:B8:C6
C=US, O=United Launch Alliance, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA	6E3FF8BCB01125C58E8B36DB518248CC	0A:85:25:59:D6:F6:14:71:97:7F:E3:FA:14:B0:20:56:F1:6A:9A:FD	FA:2F:B1:C0:35:76:A7:07:09:D4:3C:DE:B6:EB:12:9D:A1:09:B0:0D:0F:C4:A7:A8:28:6F:D0:24:11:EE:FA:23



C=US, O=United Launch Alliance, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA	664273D3D84F55838 D03F526C33D71AA	2D:94:41:31:2A:AD:23:39: FE:06:47:2F:F8:C6:17:F5:D F:F4:E4:EE	82:A4:69:52:AD:9E:DB:68: 7D:A6:AE:14:7A:88:3E:80: 72:3C:01:19:E2:F7:49:3A:A F:B8:04:B8:6C:AB:8A:ED
C=US, O=ConsumerInfo.com Inc, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ECD CA	0845633C696F3B44B 2396E01DBAC5500	49:4E:0F:13:5D:A9:17:A8: C2:A7:BB:AF:49:2F:04:BB: 8B:B4:C8:96	5F:9D:F2:7E:4C:42:03:E9:C 2:FF:58:7A:CF:26:F6:BB:F8 :1E:EE:10:35:79:AD:9A:9A: 97:D0:13:67:10:90:FF
C=US, O=Automatic Data Processing, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ADP CA	2AF0EB1AA5F60FCD7 2F5A61CF5543112	EC:B5:9F:2B:0C:B1:E7:0E: 0B:B9:FE:B2:C3:25:54:0B: A5:7E:61:A0	D3:3D:27:B3:8C:72:BF:A7: 91:4F:06:8B:10:FD:18:D8:E 1:2A:45:F5:E6:0B:8C:35:D6 :72:8C:2D:17:FE:3C:48
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, CN=VeriSign Class 2 MPKI Individual Subscriber CA - G2	63A800C76E9BE8E27 A08FE55C95F663	A7:D8:A9:53:0A:2C:F9:CB: EF:B9:5C:95:33:4A:2A:57:5 6:68:F3:52	C9:4D:D6:3A:6B:93:AA:5B: B8:11:F0:E4:A8:EB:AE:4F:8 8:21:6B:32:FD:DF:1A:F7:70 :4A:31:03:DA:F9:D4:C3
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, CN=VeriSign Class 2 MPKI Individual Subscriber CA - G2	24A479B3761EEB8D3 FDDA91709AC1737	EC:ED:2D:A4:16:99:94:79: F3:1C:A0:0C:C0:1C:2F:86: 2C:DB:EC:F2	BF:DC:5D:34:2A:41:39:F5: B6:FC:F3:7F:6A:D8:32:5F: DB:48:53:0C:D9:6D:5D:6F: BA:2E:41:60:AD:2F:43:12
C=US, O=Alliant Techsystems Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Alliant Techsystems Inc.	3785BD406FD9D8229 64A0674109F69C8	3A:CA:26:FA:B8:27:8B:02: AE:92:73:06:A0:2D:9F:8A:0 A:D6:C9:CE	00:05:55:CD:CF:3B:5F:AA: C8:07:B9:75:BF:2E:B7:22:B 7:78:76:C7:97:38:5A:EC:00 :A8:76:7D:AA:BA:90:0F
C=US, O=Alliant Techsystems Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Alliant Techsystems Inc.	166FC6581FF952F60 7047E175EFFD6DE	52:93:4B:72:2F:F0:50:B2:D D:EA:5A:E9:CE:94:13:47:4 8:2F:EE:16	A1:67:AB:86:69:37:55:93:B 3:3A:CE:63:CB:23:2E:D4:E 6:1D:B4:29:CF:EC:B4:63:E 6:E2:B8:5B:A6:E8:EA:2B
C=US, O=Maricopa County Attorney's Office, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Maricopa County Attorney's Office CA	09BEAA79F91169328 27350ED85220B21	10:B6:EC:F5:4A:D3:C6:68: E0:74:A1:5E:8D:C6:4B:20:5 7:6A:9A:34	19:FE:F8:4E:49:72:8D:5B:8 B:3D:50:90:FC:D5:B6:7F:F 5:08:B3:E9:C4:A2:74:EC:36 :04:54:A2:5F:CB:91:C7
C=US, O=Maricopa County Attorney's Office, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)08, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Maricopa County Attorney's Office CA	5A2C53EEF0D423AC0 3BC8552B4A1FA3C	FE:60:C3:3B:4D:D8:B0:3F: 20:8D:37:44:37:22:DA:2E:5 C:96:DD:D1	45:47:9E:AF:52:25:B2:F7:D B:34:4B:F9:94:10:7B:47:C7 :6C:95:A2:15:B6:D9:53:D0: 2C:23:1A:94:89:7F:00



C=US, O=Convexity Capital Management LP, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa(c)08 , OU=Class 2 Managed PKI Individual Subscriber CA, CN=Convexity Capital Management LP CA	4BD813D9B0FB2D1723BD698B0C3DC72F	FC:DD:EC:59:09:98:91:BE:20:67:1C:27:79:FB:03:1D:10:75:FA:C8	C6:4B:49:1C:19:E0:41:47:1B:86:3B:4E:9D:94:89:BD:F9:35:3B:8C:67:EC:38:46:09:F3:27:AF:35:39:8C:C4
C=FI, O=Nokia Solutions and Networks, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Nokia Solutions and Networks CA	0136F9054978D629BC860DDAE77657C8	1A:7A:F0:1B:31:42:21:14:E7:D5:FA:C9:CE:36:3F:E2:12:D6:65:FB	47:EA:60:09:55:F7:81:EB:14:75:D2:91:5F:47:E9:C3:43:B4:CC:A1:42:AF:93:45:54:DE:70:90:23:B2:E4:C8
C=FI, O=Nokia Solutions and Networks, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Nokia Solutions and Networks CA	274747AA085154AC1A9B1338AA1B9441	5C:97:84:D8:F5:C5:A5:31:A8:D4:0C:A8:13:23:FA:77:1F:8F:30:D9	0B:5F:13:97:4C:EB:57:7E:1C:C3:9D:FF:AD:F6:16:FC:F0:C1:7E:CA:67:47:20:1A:EB:A6:AF:3B:C2:0C:E4:F4
C=DK, O=Tryg Forsikring A/S, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tryg Forsikring A/S Public CA	661552813FDC014697B83B8521B25A00	1A:54:50:10:4E:AB:A1:66:D2:EB:6F:F6:B9:7B:3D:4A:EB:3B:98:A7	01:0D:56:6A:DC:A6:D4:55:A2:7D:E9:BB:9C:EC:7F:EE:33:45:D0:8C:DC:8C:98:BE:81:8F:88:EA:D1:B6:8B:5F
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 EV SSL CA - G2	366585077A8867AB58F4A094F8103733	E4:99:59:A4:B3:36:AC:BD:2D:AC:75:9B:B5:21:B9:46:03:3E:82:3A	6C:66:B7:6E:68:D6:C7:9F:AF:E5:C9:4E:9B:7D:0C:F7:53:C7:15:CC:85:38:7E:11:32:3B:79:35:F8:61:C1:87
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 EV SSL CA - G3	7EE14A6F6FEFF2D37F3FAD654D3ADAB4	E3:FC:0A:D8:4F:2F:5A:83:ED:6F:86:F5:67:F8:B1:4B:40:DC:BF:12	9E:6B:C5:F9:EC:C5:24:60:E8:ED:C0:2C:64:4D:1B:E1:C8:9F:23:16:F4:1D:AF:3B:61:6A:0B:20:58:29:4B:31
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Secure Server CA - G4	282E2791793392E428F221A74EC937AE	CD:EE:2C:D3:C6:EE:A1:1D:B3:35:AB:DB:9A:D5:6E:EA:F8:EF:C1:F6	56:4D:BC:6A:76:55:0F:D2:D4:F4:BA:C6:44:8A:11:57:B3:3C:BD:8E:0B:3F:D7:6D:72:10:75:40:96:4A:85:B5
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Secure Server CA - G4	513FB9743870B73440418D30930699FF	FF:67:36:7C:5C:D4:DE:4A:E1:8B:CC:E1:D7:0F:DA:BD:7C:86:61:35	EA:E7:2E:B4:54:BF:6C:39:77:EB:D2:89:E9:70:B2:F5:28:29:49:19:00:93:D0:D2:6F:98:D0:F0:D6:A9:CF:17
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 EV SSL SGC CA - G2	7A0F41DF1CCD14DCB269298EE22C6A35	37:8F:E7:3E:16:E4:F1:E3:39:49:B7:60:A3:BD:22:51:49:35:90:25	B2:74:5D:0A:9B:71:D9:48:F3:4E:92:1A:F5:9F:34:2A:DF:6E:40:7D:88:BC:51:D3:8A:C5:2B:58:3A:0E:BD:15
C=US, O=ATT Services Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ATT Services Inc Email Certificates CA	604EF3DBA9F823108FDE70EDE78E5A18	4B:B6:C3:F7:A1:61:11:09:A9:C1:49:89:8A:84:5F:8B:87:60:75:B0	0F:01:AC:A1:D5:10:DF:B7:E1:C5:F3:81:0A:03:77:03:8B:8B:C3:A5:DE:93:55:14:15:D2:D7:EB:6C:DB:8B:94
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 SHA256 Code Signing CA	3D78D7F9764960B2617DF4F01ECA862A	00:77:90:F6:56:1D:AD:89:B0:BC:D8:55:85:76:24:95:E3:58:F8:A5	58:2D:C1:D9:7A:79:0E:F0:4F:E2:56:7B:1E:C8:8C:26:B0:3B:F6:E9:99:37:CA:E6:A0:B5:03:97:AD:20:BB:F8
C=US, O=SunGard Brokerage and Securities Services LLC, OU=Symantec Trust Network, OU=Class 2 Managed	22113F1A94B9C5D0C5C174399F80C432	E9:18:E0:3A:E2:C5:A9:2E:E0:AE:80:60:22:51:25:25:4F:FE:40:EA	01:5D:37:61:C6:44:EC:CF:05:D2:1A:C1:42:0F:30:8C:90:73:67:9D:70:39:CB:D5:28:32:9D:E8:F4:E1:2A:99



PKI Individual Subscriber CA, CN=SunGard Public CA			
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA - G2	191A32CB759C97B8C FAC118DD5127F49	5B:8F:88:C8:0A:73:D3:5F:7 6:CD:41:2A:9E:74:E9:16:59 :4D:FA:67	F7:26:C8:89:13:36:B1:B9:7 C:BC:86:F5:96:F1:26:7F:C1 :80:15:21:22:57:3E:76:D5: 14:5A:7C:64:E2:CF:F7
C=ES, O=Organizacion Medica Colegial, OU=Symantec Trust Network, OU=Entidad de Certificacion, OU=Class 2 Managed PKI Individual Subscriber CA, CN=OMC - G2	454FFA5AB1CEC97FD 370916A0329095B	57:1C:5A:4B:FD:A2:8A:DE: AA:84:6D:FF:D4:4C:E0:F6: 7F:71:6E:1A	E1:A1:2F:55:32:3E:B7:E8:D 2:73:57:05:8E:0C:1C:24:70 :D5:CD:09:8F:6E:D2:A1:6B :A7:93:3F:8A:3F:74:B5
C=US, O=KeySight Technologies, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=KeySight Technologies Public CA	7ADF0B0011B8F2AD3 61E05B7C19A3412	8F:69:42:4C:40:32:20:F1:7 2:96:0B:0B:EB:64:EC:2E:35 :1B:5C:4F	07:1F:22:2B:68:55:FB:CE:7 4:B0:35:4E:61:98:1A:88:51 :0A:4C:E3:03:3A:A7:A4:43: D2:27:7B:F6:EE:D7:BE
C=US, O=APX Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=APX Public CA	1FE2F26A61AC599E7 2BFC75059C90E9F	A7:5A:8D:3B:EA:83:08:97: E6:7C:0F:BB:4D:FF:DD:7E: 3A:F7:DC:0E	B4:BF:93:17:4F:7A:05:4C:7 B:02:F8:EB:2A:04:0C:40:60 :E0:82:F8:85:C4:36:95:F4: 12:A5:6B:18:7B:57:3D
C=US, O=APX Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=APX Public CA	3F0A5C197D0DC1EC4 9A1052CBC250D23	FC:DF:45:9B:2B:16:E6:7A: 72:44:FB:2F:DF:B7:B2:30:E 5:A7:75:71	8B:1C:10:71:1C:00:7B:E2: AB:F9:BF:6C:79:CE:5E:BD: 5F:8E:AC:36:D5:03:72:28:2 3:7A:EF:B2:36:BF:2A:91
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Organizational CA - G4	06A13ADA000BAB77B 356DE957B9280E6	C7:C5:9A:89:91:86:28:21:F 2:35:75:23:DC:40:F8:69:DB :1C:8F:92	FD:33:AE:FD:33:A1:61:FA: C0:19:0E:41:DF:9D:D5:0C: 33:39:E8:83:C0:3F:49:C4:A 2:AB:2B:89:56:EF:54:D4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Organizational CA - G4	7073F023B8AA895A4 EA86BDF780F3A07	C9:75:8E:86:59:5C:6F:35:2 E:7E:14:A1:58:0D:FF:8A:9B :00:4E:F8	6F:6B:2D:4A:30:9A:15:6C: 61:97:7F:BC:CF:7D:2A:C9: F5:96:23:FF:CC:EA:C3:E4: EE:5A:83:A1:8D:89:52:75
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Organizational CA - G4	24D3C6B9184F6FC5E 47E7250C7ECB030	FB:D6:E2:E7:90:B5:66:E2:3 F:0F:1E:92:11:C2:0E:02:D6 :8C:E0:C2	E3:71:0F:0C:66:7E:58:9D:E 8:E4:AE:A3:7E:70:1A:FA:F3 :FB:B6:27:57:62:E6:FE:A3: FD:66:29:54:42:79:D6
C=CA, O=Tangerine Bank, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tangerine Bank CA	76CDA7AF01F88B6C9 2861E6AED2248F7	3B:5C:F1:45:7E:7D:08:66:7 E:73:87:7D:3A:BF:09:B5:79 :30:5B:51	CE:F2:0F:5A:C6:D0:D5:3D: B0:2F:E6:F9:B0:C9:D3:AF: A7:04:13:04:00:B6:C6:0D: C7:36:F7:E6:8B:B0:F5:0F
C=CA, O=Tangerine Bank, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Tangerine Bank CA	6EBF9491E17FF2BE4 2498ED35416CF41	4C:82:55:BF:B9:B0:FF:C1:1 9:D0:DD:F4:22:4B:3F:34:1 4:D1:73:7A	AF:FD:4B:39:F6:1B:CE:A6: B1:6B:C9:8D:05:08:3D:AD: 44:08:95:66:99:F7:79:1A:3 2:F0:06:CC:1E:FA:7A:9F
C=US, O=eGlobalCustody, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=eGlobalCustody G3 CA	362B9707C95752F3C EC961F2E4A73171	21:68:E0:75:F1:F2:E2:62:2 6:D0:AD:DB:57:BE:EA:E9:6 6:F7:E3:81	2B:64:86:80:FE:DC:C5:59:9 3:C3:6A:B6:5C:AD:B0:3C:6 1:78:BF:59:5F:1A:22:25:AE :AE:88:5D:3C:5C:F9:CA
C=US, O=eGlobalCustody, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=eGlobalCustody G3 CA	09A5D24DCE9224BC3 1F91EB575A7B556	D4:52:50:F0:62:05:A9:26:8 6:53:2F:59:00:81:DD:2B:1A :A0:04:3A	2D:E8:DD:6B:E7:50:43:5D: 70:3D:60:CF:87:D2:03:AF: 12:D1:E0:F2:96:06:91:88:8 F:47:54:6E:ED:90:87:D6



C=US, O=Brown Brothers Harriman & Co., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Brown Brothers Harriman G3 CA	2207B10A177AD81E152887BA0AC76892	D6:BE:36:EC:DB:42:A8:50:C3:39:96:C1:90:14:C2:2F:A1:2A:60:E5	B3:FA:EB:D9:49:50:96:D2:C5:B2:6C:E2:0D:7D:E7:85:DF:F8:3C:EA:63:BF:9B:C6:60:5B:C0:8B:89:99:62:24
C=US, O=Brown Brothers Harriman & Co., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Brown Brothers Harriman G3 CA	3249419C7113A392F47818D2CED17969	FC:FB:AB:12:D2:E9:6C:39:24:4B:6C:50:4F:92:F0:96:51:09:29:D2	98:A6:FF:EC:BA:9C:29:C4:02:29:F9:19:4C:96:AF:1E:6E:03:5E:BA:4A:71:8A:76:0F:1C:CE:7F:E0:2E:29:18
C=US, O=Keysight Technologies, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Keysight Technologies Public CA	231C90AB2ABF01E5DF4ECCB2E76E42E6	21:E8:B5:59:37:4F:53:CC:D2:21:19:F5:8C:C0:46:92:DD:3A:6C:F8	7C:D7:18:41:8F:75:41:4A:05:F6:EF:1B:50:D0:A0:CE:48:05:9E:FA:22:1D:AC:89:A6:83:9D:D9:2B:6C:66:2D
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 SHA256 Code Signing CA - G2	7C1B35354AE7DB74E7415F1169CA6BA8	13:92:E4:C7:FF:25:B9:51:7E:93:10:77:BB:E2:66:4D:C8:7E:F7:0D	20:42:E3:8F:C5:73:88:F1:DB:32:22:C7:AB:5B:E1:1C:6E:DB:7E:45:4B:F4:54:87:AE:44:FF:2D:6A:2B:76:45
C=US, O=Synchrony Financial, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Synchrony S/MIME CA	5FB1C98024C6E6546A3810992FE3A835	17:56:11:72:B9:B3:CB:56:C4:84:7D:34:71:9D:A9:B9:F4:A9:AD:42	34:5A:7B:5F:38:D8:20:2D:09:ED:80:34:39:4E:DA:7C:E4:E3:F6:C5:2B:D6:AB:50:8D:62:96:15:5B:30:3D:A3
C=SG, O=National University of Singapore, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=National University of Singapore CA - G2	269D7A5FD82A0538F2CB61AF80A24B4C	6C:C8:64:71:10:01:45:15:7D:28:85:EF:8E:B7:CB:04:79:6A:B0:9B	43:8B:A9:C8:5C:9A:8C:55:06:AC:D1:14:6A:DA:06:8B:77:7A:32:FA:2C:78:A6:D4:AB:57:24:11:74:88:1A:B2
C=MU, O=The Mauritius Commercial Bank Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=The Mauritius Commercial Bank Limited CA	725C0B3772E9E75A5EF9A2F4A7BAC953	C2:4F:A9:A4:3C:54:2A:2A:1E:A6:5A:29:50:91:20:07:31:B2:10:A1	0A:64:6F:DC:70:4F:49:4A:67:73:9A:7E:99:FD:74:95:5B:B0:AF:1A:BA:62:2C:EF:E0:00:B3:95:57:C5:FC:81
C=AU, O=Ensign Laboratories Proprietary Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Ensign Laboratories Proprietary Limited Public CA	14A2842A9CA784894BD0DB66FCA711A1	7C:7F:6A:DD:75:0E:40:72:C7:84:00:44:E1:9D:B6:B5:C4:30:7E:15	32:CA:A1:18:86:17:19:79:14:95:5C:73:A1:4A:5A:B2:F2:2A:43:8B:BA:0A:1F:56:AE:1D:F9:A7:70:2D:BF:F4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Insattningsgaranti Service SHA256 CA, CN=Symantec Class 3 Organizational CA - G5	5439D1F8B5C1A15231EF40B64DABBCA0	F4:C8:DD:37:72:7A:8F:9F:9C:19:C1:5C:BE:D9:4C:76:2C:8F:90:B0	5C:CA:1F:2F:F3:9A:4A:89:24:A3:60:60:36:D8:AA:DE:2E:23:C0:24:EF:CA:FF:3D:C2:C6:67:59:FE:F7:76:FB
C=US, O=Computer Sciences Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=AGC Public CA	5843DC7507EFE5E57BB618D320A70C16	5E:B1:59:C4:59:7F:42:04:D4:DD:A7:DF:C7:AB:62:C3:C5:DA:3C:BC	5E:71:C7:46:D4:5E:BC:FD:6D:2D:CE:4A:2D:AB:CC:D9:33:5E:3A:D8:D6:3B:34:99:89:34:19:11:EC:D7:0E:88
C=US, O=Texas Department of Transportation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Texas Department of Transportation CA G2	2D838948A6FE01D6CCDEE84D7A7D75F0	C9:F6:C1:AC:8D:92:F5:35:3C:D8:4A:0E:85:23:2C:42:9B:6E:85:1A	7A:72:D9:09:7A:8D:54:7E:F7:F9:42:23:E1:86:EB:B4:46:7B:7C:34:25:DF:73:E6:8B:F0:E1:0C:F3:64:D4:20



C=US, O=Avaya, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, OU=Avaya IT, CN=Avaya Client Services Users CA	6D46D49944BFF5D14 6625AE810906BCB	5E:8D:D1:16:44:A3:99:34:1 9:D2:20:56:4B:70:55:FD:A8 :E4:9E:73	7F:56:D7:81:9A:1A:39:B4:1 6:66:9E:AC:8B:65:15:3C:81 :C8:16:F0:16:2D:70:FB:CD: 60:77:CB:D1:B9:85:54
C=US, O=National Geospatial-Intelligence Agency, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=NGA CA G2	75FCD327B38357D63 4633CFF3F4C6F7B	3D:E3:0E:4E:4C:75:63:AC: 94:E3:A0:6E:03:71:E9:2F:3 F:88:95:C0	0B:A8:FF:64:F0:D4:97:54:0 1:EF:B8:92:83:FA:19:C8:6F :CB:70:B4:FA:C9:22:F1:6F: 3C:CB:7A:A7:1F:73:65
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Shared Intermediate Certificate Authority - G2	1BC530DD2DF052E80 D3606D48DF65F92	6E:24:A9:54:58:34:E2:CF:2 C:51:CF:D4:92:A2:12:94:0 3:A8:2F:45	68:E6:33:95:02:90:61:64:1 3:85:B8:AF:F7:7F:6D:66:F2 :D1:FD:87:A8:21:63:0D:27: EC:36:45:C9:FE:23:5D
C=CA, O=SAAO, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SGSI CA G2	692799D01BBB9F8F9 A4BD00C7F741277	D2:7F:5E:33:3D:47:48:87:0 3:79:21:7B:BE:3E:19:D7:69 :E5:7A:E0	C7:7E:2D:10:AD:55:D5:CB: B1:BA:36:43:55:C2:B6:77:8 A:F0:72:4A:77:15:2B:3B:41 :19:65:58:1B:4E:3C:6F
C=AU, O=Fuji Xerox Businessforce Pty. Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Fuji Xerox Businessforce CA - G2	3D1A943CCA7282E84 C5E8C1F5BCA5CAD	22:26:A3:A3:09:71:1B:9C:2 2:EB:EB:2E:65:14:F2:4F:86 :3D:1D:0B	92:58:7C:DC:27:A5:C0:19: B4:13:AA:94:D2:19:44:AC: 85:62:E8:DA:A8:C7:8A:EA: 17:C6:23:D1:B7:77:14:DE
C=DE, O=RWE Dea AG, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=RWE Dea AG CA	4BEB4721EAA8A4D1 9D947C5C587AB98	50:1C:A0:E5:3B:2C:7C:C3: 20:82:DE:BA:5A:E1:1C:AE: 7F:EB:7B:28	7F:C6:CA:B9:6C:16:C8:50: F4:57:DC:BB:FB:89:35:39: EA:26:64:39:5F:24:09:69:3 7:89:F4:1B:FD:64:71:4E
C=US, O=HP Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Collaboration Certification Authority	6366C803F88C0E9C5 62BDD34FC90E1BD	79:82:43:93:44:C7:B9:93:A 6:FD:26:30:12:41:2E:37:08 :B1:2A:FA	B8:64:FF:6D:E0:CB:1B:EA: F6:AA:5C:68:DB:87:69:C9: 1F:18:E1:72:1E:22:AC:3E:C D:D9:1C:08:89:D7:70:78
C=US, O=City of New York, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=City of New York Office of the Actuary - G2	702FC4A294F0708D7 7CC93E90FE384AD	AF:53:00:41:49:11:F5:DB:F 3:5B:E4:5B:07:69:BA:C5:68 :42:72:BB	A3:E2:E9:FD:C6:93:C7:53: 6C:D3:A9:AB:C8:E0:97:05: C1:13:DD:39:16:35:C6:23: 9B:BF:F2:1D:A2:58:C9:6F
C=CA, O=Canadian Imperial Bank of Commerce, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CIBC Trusted CA G2	321D52D65F8DA5872 F45AB0149E36D3B	8A:8B:1C:D6:D2:2D:02:A4: 04:3C:D0:70:61:CD:E7:5D: 4F:28:F9:AD	4B:B8:00:C7:CC:2F:02:A3: 4F:FD:99:ED:75:77:36:15:5 1:CB:C2:4C:63:52:B8:14:C 6:57:FE:50:4F:3F:09:FB
C=US, O=General Electric Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GE Enterprise SMIME CA 2.1	4535CEF4421F8A410 740F32C91B5C031	2C:FC:A4:95:17:FA:21:11:2 B:82:DA:BF:FC:9A:ED:49:4 0:14:B9:10	5C:85:46:34:77:8E:6D:DC: 07:6A:BA:A3:6E:5B:8F:4F:4 5:14:05:78:BD:3A:45:AF:09 :B7:F2:3C:34:F0:32:AD
C=DE, O=LfA Foerderbank Bayern, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=LfA Foerderbank Bayern - G2	2469D0D0D87B1B8FE 65473D2E50E1979	2A:D3:0E:4D:1B:B7:86:93: D8:E8:24:85:7E:72:DA:12:6 F:04:C9:77	31:5A:C9:67:89:B4:9D:48: A1:C4:20:F3:2F:9A:4A:73:F 4:87:1A:F7:5A:4C:A5:3C:F 4:1C:E3:FB:3E:2E:76:FC



C=US, O=University of Houston, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=University of Houston CA - G2	7052A61D92DEFD2E950C978A345DAF3C	12:81:ED:A2:12:0F:A6:25:E4:43:C8:48:C1:32:E4:50:C5:A1:72:47	69:FF:03:E0:52:30:DF:D6:1E:4D:6F:6D:D6:66:28:08:C6:5A:85:CB:E8:FE:A5:E4:3F:BF:38:71:28:E8:B4:F4
C=US, O=State Street Bank and Trust Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=State Street Bank and Trust - Global Markets CA	6A0ABD9D3978E43108A4A850E5D26AB8	DA:AE:31:C7:1C:3C:56:28:57:F1:8A:1B:B5:F3:79:37:38:DC:0C:C9	2C:68:D7:76:FF:D5:11:55:D9:89:57:A6:60:43:F8:96:E2:BC:69:CB:19:43:57:03:89:35:00:57:A2:C7:06:16
C=US, O=General Electric Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GE SMIME Issuing CA 2.1	705E2ADF8B65BF210B1A3EBEA1896C1F	3D:48:F5:E9:76:61:45:19:3F:68:7E:77:6F:C7:C3:24:71:7B:63:8C	6B:E3:9E:C9:E0:2D:54:00:8A:7A:71:6D:D3:5A:3D:2F:0A:1F:D8:F8:F3:4D:AE:23:54:46:15:0C:6F:48:BC:7E
C=US, O=General Electric Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GE SMIME Issuing CA 2.1	2E1DD06907726CAD32B11714D6DF2F	C0:8A:01:EF:CD:DA:19:DA:EE:B6:B8:CE:7A:0F:10:91:07:B6:71:65	2D:53:B8:17:70:62:E4:C7:CE:A7:9E:EB:F6:2B:FA:52:A5:B1:8B:C9:B8:94:83:59:7E:57:14:E4:E9:B5:23:15
C=AU, O=Attorney Generals Department, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Attorney Generals Department Public CA	47E60DC1F45AD99C27D29A12F6C0980B	4F:D4:EB:21:20:0E:4F:8E:CB:9A:5F:BC:93:E8:F9:89:86:C1:63:BB	CE:F7:11:14:7D:8B:0A:1D:C5:20:0B:83:83:BE:D2:3C:1D:29:4F:2F:89:EB:FE:17:9D:25:01:EA:5E:24:AB:8A
C=US, O=Wells Fargo, OU=Symantec Trust Network, CN=Wells Fargo Certificate Authority WS1	50776F58B196C391691EE658A90A9D6B	E8:03:9D:FE:57:13:1F:11:D9:D6:77:F7:CF:7C:F5:B6:E8:9D:98:5D	C2:10:87:41:6B:BF:98:3B:9F:FE:40:F5:D5:6E:E0:FF:D9:4E:B1:E6:66:B0:4A:53:2A:DE:48:2E:C2:01:D6:7C
C=GB, O=Clifford Chance LLP, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Clifford Chance LLP CA - G2	0E1327EADE942AE70E7B4C285AA3E894	DB:3D:BB:A5:17:E5:BC:A2:1F:A6:9B:72:E8:86:7F:74:AF:B1:B7:AA	D0:EF:B8:40:22:8E:B4:DA:AA:B3:97:0A:AE:0E:64:87:41:54:12:B3:15:93:51:CF:01:73:8E:AE:48:6E:5B:5F
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS EDC CA - G2	4BB55060C1F6772E84C1BF8CDFB6FB17	D9:3C:3C:30:90:71:A5:FB:BC:A2:8C:45:31:1F:76:3A:EF:2D:BE:62	BC:8E:B1:5B:0F:EE:05:D9:53:75:8E:1D:2C:29:A9:E7:D1:E1:B5:AF:D5:65:9A:B9:5E:98:1F:6F:75:BD:1D:71
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS NF CA - G2	7ECB51FCA830F0C70BB4317F6F453F2B	5C:70:FE:74:FA:85:CB:C5:0F:43:5E:83:F5:C9:D7:5B:EF:63:4E:8E	22:26:1C:8F:0B:CD:85:57:1A:F2:F8:01:C4:77:12:E6:C1:6D:CA:E3:C7:DF:C4:CD:24:51:D9:C5:38:B3:49:D1
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test EDC CA - G2	1E44CD3B7ED1BA22D7141DC02AD5DB02	49:2B:84:74:73:A3:74:03:B5:EF:54:8E:C6:03:1C:50:F7:D7:8C:84	26:66:1F:23:04:42:33:2E:5F:8F:10:9C:05:A3:FA:A3:EA:33:9C:29:D2:2B:07:B8:D1:A0:48:C6:93:FA:1F:0C
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test NF CA - G2	13796E1310DC9DCD1BC1A210D17F8602	77:10:42:A3:D6:B0:A1:5C:F6:B5:45:47:75:EA:B8:C5:FF:05:D4:43	59:7D:5A:28:67:29:E7:3A:32:4E:56:65:CE:E4:B9:7F:DD:5A:9F:D1:4E:BA:4B:90:33:19:A1:6C:FC:94:66:80



C=US, O=Veritas Technologies LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Veritas Technologies LLC Class 2 Employee CA	2AF9F4E2D580056E141BDB799EB3F09C	4F:32:F1:93:31:9D:AF:52:5F:31:C9:D5:C5:90:15:E8:D E:05:71:4A	1A:B7:DC:A7:F8:B2:80:27:F2:B7:1F:BB:A8:CB:87:16:2F:E1:12:C4:7A:C4:D0:96:38:C8:EA:01:91:5A:17:7D
C=ZA, O=Nedbank Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Nedbank Limited Public CA	0205D36C1CEFBB2F4618B32675D26A04	73:67:F9:87:FF:9C:36:64:E3:DA:51:5B:0C:E4:F7:5A:9 C:B4:EA:B6	26:7D:01:4C:81:E6:D0:2E:D5:89:83:06:B6:4D:7B:5E:A9:1B:AF:9D:B3:18:3C:F3:BC:64:C2:5D:2B:35:CA:E6
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Persona Not Validated, CN=Symantec Class 1 Individual Subscriber CA - G5	0702A21A85B84B659E180A6EE6F5A365	10:5A:58:CE:FC:92:48:A9:5A:13:66:4B:A0:31:03:65:F5 :3D:A4:0B	42:A5:FB:CA:2D:6A:A2:62:FF:62:33:3A:B7:86:99:CE:1 E:4B:F1:CF:5F:49:F8:06:FD :32:4C:BE:5B:B6:2C:F4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Employee CA - G3	1C372DCBB9703E6BB73EF3FAD10B4206	F1:9E:D0:92:68:90:32:12:95:26:B7:FC:97:3A:61:29:C3 :BB:AF:CE	2F:32:06:24:CC:3E:BC:01:79:60:80:BE:DE:B5:B2:ED:9 1:6F:02:A0:AE:5F:53:7E:D C:47:66:BC:45:56:59:DD
C=AU, O=ASCIANO EXECUTIVE SERVICES PTY LTD, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Asciano CA	7D781BB197DB73B5089DD3A928C0E9D1	2C:88:5B:08:F1:DB:24:EF:83:2C:21:98:9C:24:49:E8:87 :1F:3E:99	5F:C7:C6:E1:9A:F8:73:E0:94:1D:7C:6A:B3:44:D3:E6:E 4:F7:3D:D6:76:93:FA:DF:A 2:DA:9C:64:38:AC:1A:1A
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Managed PKI Administrator CA - G4	279B540CE029884522D41481AE406EBA	B5:23:DE:44:81:C4:77:5D:5F:5B:11:DC:AF:A7:29:61: EE:5F:5D:02	5D:81:D0:AA:34:76:F4:8A:5A:67:5D:6D:3E:6A:B7:66: BD:C8:AA:16:7A:1A:94:D7: 9D:F9:1B:42:51:08:2F:A4
C=US, O=Oracle Corporation, OU=Symantec Trust Network, CN=Oracle SSL CA - G2	3135BB7E6DE2663AB0E233E6B0E1A5CC	03:86:D9:39:CF:7B:A7:88:55:27:34:18:5B:EA:D0:B1:3E :87:39:14	E4:AF:2F:AE:41:18:7D:58:F2:09:B0:1B:1D:87:53:C2:D C:CB:3F:60:1C:E8:62:73:E3 :7E:87:38:C2:A5:CC:B5
C=AU, O=Sydney Trains, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Sydney Trains CA	0E03C5C6051EC0697934C736E3423F14	97:58:20:64:47:86:72:5B:41:10:6B:C0:9B:8A:26:1E:1 D:91:DD:17	BD:80:A3:35:B5:EB:B7:27:99:60:E0:B5:80:22:57:C2:5 6:06:28:95:F3:3D:3D:CB:C 0:B7:CB:71:99:DF:A7:5F
C=US, O=Yaana Technologies, LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Yaana	24780201934A5B2740D65D3A46C56D9C	2C:6A:AC:73:47:B4:F0:4A:11:21:9B:7E:04:4E:15:37:E D:B9:5B:3D	7C:73:C0:E9:D5:2B:C6:3E:71:31:10:DA:47:05:C7:CE: CC:B4:D4:9F:1F:5F:ED:0B: 6D:1A:70:7E:63:A4:E3:1C
C=DE, O=Heuer and Partner - Rechtsanw\XC3\XA4Ite mbB, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Feddersen Heuer Public CA	47F12E271C7123A55D56DD6CF4C75C11	06:2B:3D:BA:B6:7A:6A:D0:A7:04:94:56:7F:E2:B8:D5:D 7:C3:9F:78	A4:02:AA:0A:E5:3F:48:4A:07:BF:4E:35:B5:5D:12:74:1 2:76:50:AD:61:45:E2:43:B7 :19:33:0B:92:B2:A1:0A
C=US, O=ATT Services Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ATT Services Inc Email Certificates CA - G2	4775DBF005A1F891B BE575E369352C82	E3:99:35:C6:94:37:C6:94:C F:9A:5D:AC:7F:AE:AF:32:F E:E9:DF:8F	AE:7A:31:EB:70:07:A6:F6:4 2:37:38:73:43:C0:83:D1:19 :50:F1:D6:D5:46:ED:DA:D8 :B5:AA:3D:AC:30:B7:0C
C=US, O=Voya Financial, OU=Symantec Trust Network, OU=Class 2 Managed	45858ADC4D825B0580FAB82B2EBB4286	C5:99:BA:10:51:FD:7F:14:3 2:F3:97:50:D3:A6:63:25:BB :C6:83:E9	63:B7:40:4D:57:FE:17:FD:7 E:32:DA:C9:8D:93:4E:C9:8



PKI Individual Subscriber CA, CN=Voya Public Issuing CA1			A:B6:9F:64:D0:33:89:87:19:36:57:A6:43:64:BE:60
C=US, O=QTC Management Inc, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=QTC Management Inc CA - G2	4B2224CC561AB2A8E C590CF81901831E	5E:69:44:36:76:CB:FE:D9:9 5:42:8E:97:71:B1:27:60:40 :1A:71:B8	76:5A:29:59:6F:5F:74:EE:A 3:BD:AC:06:70:E7:DF:42:B F:DB:70:87:65:AD:4F:89:2F :EE:F7:14:C2:14:E7:AE
C=US, O=Blue Cross and Blue Shield of Florida, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Blue Cross and Blue Shield of Florida CA G3	1555DA0AA76BC5F8F 4171432DC818CDD	A0:AD:49:93:18:2E:B3:2C: 51:24:0D:E7:8D:36:6B:83: CF:A5:66:2A	BB:CA:83:E9:09:A9:56:AA: 38:BA:04:EA:5F:C6:A6:A1: 3F:99:49:5D:A1:E2:39:81:B E:5B:ED:E0:39:70:45:0A
C=US, O=Blue Cross and Blue Shield of Florida, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Blue Cross Blue Shield of Florida CA G3	1D48798BEE5B9C06E 81725C1ABB81521	6B:AE:F7:AD:79:D4:16:CD: D4:24:0F:CA:96:4F:3F:31:6 C:BA:4D:EF	30:C9:55:BB:F6:2B:0E:73:5 7:3D:DD:95:64:A5:12:35:E D:40:B3:B5:BB:DD:5E:9B:5 5:61:D6:4F:96:AD:65:D6
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA - G3	2A953218E10B4B7B6 FD14B2A9EC30D26	E9:EA:87:52:65:C6:A3:39:1 1:4B: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:C0:7A:85:CB:48:A0:D8: 99:FD:57:24:F5:AF:68:1F
C=PE, O=Cosapi Data S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Cosapi Data Public CA - G2	59993A23DEC78E77C 1F3E5264FE3711C	E0:30:8C:A6:0E:46:24:BE:0 A:0F:15:9B:96:DB:22:93:C 6:66:8F:75	AF:CD:78:EB:A9:5C:08:01: A2:FE:BA:E6:F6:95:D4:69: AF:34:62:15:C5:A3:E5:54:F 1:61:D2:3C:4B:B4:0F:91
C=ID, O=PT Astra Daihatsu Motor, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=PT Astra Daihatsu Motor CA	23284EAAA343A0025 BE2435E289B7D69	57:11:4D:AA:10:4E:17:B7:E 9:79:26:EF:1E:1D:BB:DD:7 A:05:B2:01	C0:F3:93:D5:02:7D:52:A5: 64:3A:2E:38:D4:F7:9B:1D:9 5:8D:40:FB:6C:DF:1A:C2:5 7:1C:E6:10:04:BD:ED:26
C=ID, O=PT Astra Daihatsu Motor, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=PT Astra Daihatsu Motor CA	0DEE65C7316FE4C72 61600F939EDD204	71:02:1E:E4:53:22:D2:FA:5 3:54:4E:CE:1E:CC:56:67:D 5:57:DE:20	9F:F4:EC:07:4F:E3:70:81:8 B:15:AB:A1:BB:DC:80:A4:D B:E3:F8:42:0A:99:3A:7B:51 :76:BC:C7:FB:4E:4E:AD
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Basic DV SSL CA - G1	4C4CD8A0FC4FEAAE1 554A87F090EDA87	54:C5:AA:E5:07:D2:12:FD: 07:02:E0:90:70:66:1A:FD:5 9:53:5C:57	52:6E:30:DE:D6:BF:9D:5C: E2:16:F5:0C:83:24:02:B4:8 A:B7:0D:55:AE:DA:91:8A:1 8:73:A5:88:3E:BD:B1:B5
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Basic DV SSL CA - G2	1877F66568A782BBA 9FB42DAE44E33D7	47:F2:DB:11:60:6B:7A:58:3 6:C5:B9:58:2C:EF:C3:3A:0 D:67:C4:FE	DF:F5:83:E3:A1:ED:35:E5:7 D:95:10:48:17:AD:82:3C:0 5:5F:B9:07:1C:D4:00:43:5B :5F:C7:4E:69:20:81:DB
C=CN, O=TrustAsia Technologies, Inc., OU=Symantec Trust Network, OU=Domain Validated SSL, CN=TrustAsia DV SSL CA - G5	3A100E7F109E1AC59 CC5FFF640D5E442	51:A5:1E:10:E1:FA:FD:5A: 2C:50:08:0E:CD:E5:56:73: AC:E7:5A:1F	B4:1A:B8:45:CA:B4:DB:9C: B1:FE:65:05:76:5F:36:A0:8 6:8A:DC:5D:F4:19:B3:89:7 9:FB:6A:4F:E4:13:1F:70
C=CN, O=TrustAsia Technologies, Inc., OU=Symantec Trust Network, OU=Domain Validated SSL, CN=TrustAsia DV SSL CA - G6	15C20B71AC2C36527 A07667D871BC6D8	A6:33:0A:ED:72:6F:80:67:B 5:80:04:E1:89:22:76:8A:B5 :A9:11:0B	B9:0E:17:AB:4B:87:78:B1:0 F:9F:28:CB:AA:76:64:DE:2 E:E3:D6:6E:1A:FC:57:4D:1 6:8E:DD:24:A1:03:39:FF



C=AU, O=NBN Co Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=NBN Co Limited Public Issuing CA - G2	5EA880B36C5568168 2203F11E48327F4	9B:FB:82:5F:23:B8:D6:9B:F 1:FF:F1:84:0D:FC:AC:83:D 7:EE:1B:10	75:8F:49:6C:99:28:A3:C6:7 E:0D:50:D0:3D:2E:2C:AA:F F:73:3D:42:7E:57:AB:5F:EE :7D:5A:C4:15:3C:40:71
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 1 Individual Subscriber CA - G6	7827F626623577B4F B9B70AAE819DB25	A8:A8:08:D8:7C:B6:A4:2E: B9:81:CF:C1:65:30:82:0F:1 2:65:8C:CB	51:E7:54:2B:47:AD:38:49:D 1:C3:63:E6:D5:39:DA:70:3 D:C1:2C:D1:6C:E9:85:FE:6 D:79:2C:5D:CD:F4:53:CB
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 1 Individual Subscriber CA - G7	2D3F6C37302E1A528 63A7120F1B8CEF1	54:64:8D:D9:B4:0E:05:B6:5 B:83:87:D1:E3:55:2E:00:FC :EE:03:37	9B:50:2B:94:1A:F5:71:3A:C C:BA:B4:F7:70:08:F7:A1:A 3:C4:A7:1E:3B:AB:DB:07:0 0:6A:E6:72:9E:C5:D9:54
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 MPKI Individual Subscriber CA - G3	0917D7C9AA0CCA8C F1B8AA1A06B4A7CD	5F:09:07:24:0A:F4:77:B5:E 4:B7:85:62:93:35:F9:2D:6B :08:60:26	A6:75:82:B9:27:72:24:D9:8 0:10:27:21:71:56:D2:83:13 :6B:29:FD:2F:33:03:17:81: F6:04:EB:80:79:70:D7
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 MPKI Individual Subscriber CA - G3	2FED6E8F92D45E05D 447F2C5AA5D8860	8E:F2:47:A5:2C:75:0F:5E:2 D:F5:9D:AF:71:CD:AF:10:F 1:55:7F:91	E7:9B:AC:E9:FF:58:B8:EE:6 D:3B:D9:4A:E8:AD:B1:3D:F 4:2D:FD:86:B3:70:1B:FF:8E :DF:F5:C4:E8:4B:AE:91
C=US, O=International Business Machines Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=IBM Certification Authority G3	027A07BBDC96B47E5 8DFB9039AB8F7DF	46:43:97:1A:59:1F:CD:DA: 75:76:55:CD:90:11:59:C8:0 8:C3:94:24	CB:16:C5:8F:10:AF:FD:A4: 6A:0F:C0:5B:F4:9F:0B:70:7 C:57:9E:C5:2E:35:27:EE:B A:04:48:F9:B8:C1:6E:99
C=GB, O=ARM Ltd, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Partner Services CA - G2	5794A7FB5A99538D8 02244A10E787B73	18:A9:8F:F4:82:8B:DF:8B: CB:30:5E:BA:24:DA:1D:EA: 23:E0:84:A6	0D:B1:7C:39:CB:E7:EF:B9: 51:E6:BA:E1:25:3E:A6:47:F 6:A6:32:51:25:81:B7:E2:1C :D5:1C:5A:FE:01:E4:70
C=US, O=Fannie Mae, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Fannie Mae Shared Online CA	5F8DB68FA1FEADA2F 199093E231A5A50	01:44:1E:0A:2B:12:CF:4C: C6:52:F2:30:D1:94:1F:3E:D D:5A:83:2F	D3:94:95:B3:10:66:9D:C6: BF:F5:7D:54:7C:53:E3:FF:9 E:7B:45:2B:B6:09:27:2C:98 :1F:51:4C:CA:0B:14:6F
C=US, O=Thomson Reuters Holdings Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thomson Reuters - LEDO CA	7AC08185DCE029D68 5B8191D6B2A3804	51:6F:69:D7:7D:16:8D:79:8 3:1B:DD:EF:12:4E:8C:2D:E 5:CA:29:32	F5:DF:7A:85:24:0E:93:C6:0 2:EE:9C:6F:77:C2:B1:26:C7 :A3:7C:ED:8F:34:DD:71:4B :82:C4:7F:31:F3:54:4D
C=US, O=SunGard Brokerage and Securities Services LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SunGard Public CA G2	56B93A60E6EA9E144 1C7318DCF07FA15	F1:EA:8C:57:6F:90:E4:EF:7 7:96:22:11:03:26:F6:7F:F5 :4A:76:15	CC:0F:03:0F:83:02:FF:E2:B C:F5:C7:84:A3:FD:12:D7:2 4:22:B8:D6:57:32:A6:DA:0 5:18:B4:CA:4D:EF:3E:83
C=US, O=Thomson Reuters Special Services LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thomson Reuters Special Services CA	13EFA736D42245969 2CDBDB247B27201	83:D3:0A:2E:C9:67:C1:28: 5D:AC:55:A1:12:E0:6B:88: 4B:10:B7:19	D9:A0:EB:D9:5D:3C:90:3F: A7:5D:C1:EA:19:F1:96:37: 60:CF:79:39:18:3A:66:03:3 4:60:F9:1D:E1:D3:73:72
C=US, O=United Launch Alliance, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA - G2	606DEFF1E74AA9DA3 0C0DBBE449AA060	EE:A8:54:E3:D1:D2:79:C5: 7E:C8:B1:CB:F7:CA:6A:6E: 7D:98:23:82	4A:84:F8:4E:88:0F:3D:96:C 3:BF:BA:2A:ED:67:B0:EE:3 0:0F:BE:E0:A4:A9:0D:73:6E :F7:38:A0:89:FD:6B:17



C=ZA, O=Absa Bank Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Absa Bank Limited Public CA	79BA45D8665079BEF6844BA57FAD0770	0A:21:92:2B:58:1B:FC:E5:A3:30:78:AE:D8:64:3D:47:55:11:56:B9	02:30:2C:4C:F8:31:33:5C:9D:D1:45:DF:91:A8:C1:C7:03:00:8F:D2:34:21:5D:0E:18:78:95:09:2B:D8:1A:D4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Universal Root Managed PKI Individual Subscriber CA, CN=Symantec Shared Individual Email Certificate Authority	66D2E649E4758A5ED793866259F40EB9	4C:F9:36:27:F0:AC:9D:EF:60:20:E1:BC:1F:6D:DB:DC:A6:A6:97:FE	B7:02:1B:CF:34:6E:85:02:B1:27:5F:80:05:7F:3B:97:46:7A:C8:B8:A7:61:60:83:40:EC:F8:48:4E:C3:84:8C
C=US, O=United Launch Alliance, LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ULA CA - G3	7FD013CBF14A501D4CFF45B34C5ACB3D	95:98:85:3A:A1:08:98:EC:58:D7:43:39:CC:F0:1C:9E:64:4C:F8:20	23:2A:D3:38:F6:4E:3F:C7:10:48:E1:D6:CC:C9:6E:A6:FD:57:82:27:4A:9A:6F:D6:18:F5:42:50:87:BA:2F:FE
C=US, O=Hewlett Packard Enterprise Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Hewlett Packard Enterprise Collaboration CA	2352C53C5D8CD0E3C80B3AB061ECB63D	A2:B8:59:83:B4:22:2F:8E:1F:F5:E0:68:89:5E:0C:C3:D9:15:DE:6C	2E:AA:42:51:B3:FF:DD:3A:E9:04:83:3A:08:B7:FE:1E:77:17:C1:70:82:45:5C:07:F6:F6:DA:90:2C:BA:C5:D0
C=CH, O=World Intellectual Property Organization, OU=DigiCert Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=WIPO CA - G3	697A6CA9C694F2F943C7F271C5F20CE1	2F:A0:3F:95:38:EF:F2:DE:A3:CD:EE:35:5F:EB:20:CD:62:D5:56:81	64:16:58:37:1E:97:E1:63:32:C0:51:D9:AF:D1:32:1F:77:0C:20:12:03:3D:63:36:0A:6A:96:73:9D:C9:C3:57
C=US, O=Glosten, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Glosten Public CA	68033624AE5E32F5EE3A0D43DF078EDA	0C:2D:47:24:94:1D:06:77:E3:BB:42:2D:F3:5A:8D:5B:5A:09:5D:90	2F:90:24:22:29:AB:EB:E3:62:CD:49:B0:59:71:B1:0F:E2:F6:4C:82:89:A5:A6:EA:E2:58:17:E2:80:B2:98:76
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 EV SSL CA - G4	5398D1998C7CBF2310C0F999A0051833	A5:65:3F:4A:81:6E:00:09:7C:CF:0F:CC:65:6A:89:1B:29:BE:19:93	31:86:22:33:62:0E:78:93:30:CC:89:3E:8B:5E:66:70:53:31:B8:B8:8B:0E:D3:0A:44:57:4D:9E:0A:71:C4:F1
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit SSL CA	0BB8A60497D81E27BBF5F2687D12FD04	16:17:2B:72:98:09:74:4A:36:E2:6B:A0:E5:A5:99:86:29:EF:8A:C3	AD:EB:F8:3F:D3:D3:F9:54:6B:B7:7F:AA:B5:16:DD:93:37:CC:F9:1E:11:98:F7:43:37:76:9E:C6:8E:6E:82:6E
C=NZ, O=IBM New Zealand Limited, OU=Symantec Trust Network, CN=IBM New Zealand Limited Public CA	7C8E8FF07BCA9C7A1AB3E26BE3729410	DC:4B:C2:BD:A3:A8:7D:5F:8F:B1:8D:73:CA:BF:BC:4E:F6:96:D6:12	A6:AE:79:59:A1:95:74:9C:A8:87:38:6F:A0:44:82:BD:16:9D:C1:15:7E:31:2D:30:1B:0D:5C:33:3F:AF:2B:02
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit SSL CA - G2	567F888DFFA505DA21E375370091936A	57:7A:8D:F6:E2:62:F9:A7:64:82:9D:A9:37:5D:94:D2:59:6F:20:AB	3B:6D:70:13:31:A8:CB:80:94:43:E4:2A:73:2B:AD:67:5F:22:5B:15:CC:43:9A:CF:26:A0:95:87:C8:85:EC:FD
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit SSL CA - G2	14DB7E7A40B856200DD8EB382C262BC0	DD:2B:89:2F:DB:0A:69:78:38:11:51:D6:62:98:0D:53:04:E9:E2:AE	74:EB:30:7A:78:AC:7E:85:70:CC:1B:AE:1C:51:10:2A:60:53:C9:6F:33:32:D7:03:28:5A:74:3B:CB:D3:5D:9E
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit SSL CA - G2	3F9287BE9D1DA4A37A9DF6282E775AC4	FE:3C:41:90:1F:36:59:C6:ED:DC:0C:1C:2D:85:D0:B2:0E:64:96:14	2E:28:61:28:9B:5C:CE:DE:CA:E4:C3:1B:F2:62:E0:FB:0C:29:B6:C1:53:05:73:44:27:31:CA:65:D8:21:E9:01



C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit EV CA - G2	71223CA522185EAC4 4CF1770D1A8AA5D	0B:69:D3:71:3F:1B:05:84:F 1:C8:89:45:A8:5B:4C:EB:5 F:CF:D7:21	66:36:36:C0:3F:D0:B5:B1:7 1:F2:B0:44:07:C3:DF:76:7B :34:9C:8A:99:0D:87:CE:48: 58:98:16:6E:2B:51:20
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit Extended Validation CA	4D955D20AF85C49F6 925FBAB7C665F89	CA:C5:5F:77:BC:17:B2:47: B0:B9:F5:91:F5:8E:6A:E9:7 B:FB:9E:1B	5A:D4:18:3B:54:F0:E2:76:2 D:A8:D9:10:E1:E7:E9:F2:A B:2F:1B:C4:CE:6A:63:8F:0 D:BB:F3:37:EB:4A:13:9F
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 256 bit EV CA - G3	4934B1B3964602493 9700C645B4F1FA0	5C:EB:F0:3C:1A:8F:E1:EA: 16:19:57:AC:F9:44:66:D1:A 8:8D:74:C4	4B:2C:BA:18:EF:BC:E6:C3: C4:A8:0A:AA:BC:95:23:37: 00:0C:D9:34:6B:76:8D:06:2 4:12:A2:DE:D8:46:ED:C9
C=CN, O=TrustAsia Technologies, Inc., OU=Symantec Trust Network, OU=Domain Validated SSL, CN=TrustAsia ECC DV SSL CA - G7	25815D93D5C9B8A65 E7F367C01D3C3D2	97:11:31:77:A5:41:19:04:F 3:57:88:B0:3E:E7:9E:18:D5 :3B:FA:97	AD:80:6A:93:57:B8:7D:1E: B1:DD:85:A5:A3:C0:92:D0: 20:4B:A4:47:FF:4B:37:14:E 3:F1:03:4F:4D:3D:E8:A0
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 384 bit SSL CA	535E42B75BAE2F1EB 66C725D2F10C6F6	B9:05:04:ED:56:CC:18:39:9 D:23:54:0D:E2:46:68:02:C7 :43:71:0B	14:21:45:83:E5:F4:9C:E2:D B:88:B9:3C:FE:3F:7D:81:B 6:78:C8:6A:FB:CA:92:40:B A:A4:B9:E4:CE:90:BF:2C
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 ECC 384 bit Extended Validation CA	7A760B273C322398D 3D4F86B6EBB2D50	38:CC:3D:7E:F8:69:60:4D: B3:9D:34:FD:B7:BD:66:D0: 74:42:E9:B6	77:FE:87:6A:1C:47:63:49:F 5:EB:9A:E9:BF:53:F7:81:4A :0A:E4:11:56:26:67:C5:8B: 7E:D2:78:69:C5:40:91
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec SHA256 TimeStamping CA	7B05B1D449685144F 7C989D29C199D12	6F:C9:ED:B5:E0:0A:B6:41: 51:C1:CD:FC:AC:74:AD:2C: 7B:7E:3B:E4	F3:51:6D:DC:C8:AF:C8:08: 78:8B:D8:B0:E8:40:BD:A2: B5:E2:3C:62:44:25:2C:A3:0 0:0B:B6:C8:71:70:40:2A
C=CH, O=OFAC Societe Cooperative, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=OFAC VPN CA	48B22ED6F7F02581A 703D4FB6CC72E6E	67:15:41:38:41:83:4F:EB:E B:CC:C7:92:DD:09:7D:8E:9 7:1E:16:30	F7:72:0B:96:8E:E0:52:92:8 4:2A:5A:A1:3F:4D:B9:A0:2 F:67:DA:DC:73:40:CD:C2:8 A:17:BE:B1:AA:5A:73:22
C=CH, O=OFAC Societe Cooperative, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=OFAC VPN CA	56603F711D51F6C0C 05AA4B2B552720E	D0:4F:75:9D:C3:E1:CC:97: 78:64:3A:AF:FB:A3:AE:3A: DB:7A:0A:62	E6:7E:5B:40:7C:8B:01:69:8 0:49:F4:5F:3A:6F:77:21:A6 :8F:E1:25:C1:27:59:89:46: 0A:C1:4C:10:E6:1B:AC
C=CA, O=Goldcorp Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Goldcorp Class 2 Certificate Authority	0689A8E1BA8E09B49 DAAF50C30EA403E	71:4C:CF:F3:2B:ED:0C:76: 5B:7B:8F:CD:9B:2B:91:A5: 9E:A9:1E:86	B9:78:67:E6:5B:80:5D:78:1 5:3D:53:49:38:9C:7E:54:69 :5A:45:DD:B2:A4:A0:15:CA :D8:06:9C:63:FC:F6:69
C=AU, O=BHP Billiton Operations Pty Ltd, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=BHPB Secure Email for External Parties CA	2F11C3C0977580C9A BF3B8A40A3773DB	EA:E6:E0:8E:43:14:30:40:A A:3B:A8:1C:F2:02:C6:9A:7 6:A8:4D:AE	2E:A4:E7:E0:AC:42:B3:BC: 3D:A2:D9:A7:88:72:09:BC: 8C:C7:95:8C:EE:1B:52:D2: 5B:4B:E3:0D:6E:95:AE:A8
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10,	4DEEDEC061BDB105 4CD26EAB7F838E8	3C:25:D7:B9:79:97:BE:FB: D5:3D:D8:AA:8B:36:18:21: EC:F4:A4:75	2C:31:A9:2D:B8:88:91:32:E 0:4A:D5:F4:3D:AF:6D:42:1 B:85:45:10:C6:1E:41:C7:87 :CB:5E:10:E0:96:2D:C7



CN=VeriSign Class 3 Secure Server CA - T1			
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 International Server CA - T1	6A64B0902DCFE7C61B551ED4F8D3E829	15:B0:5C:48:65:41:0C:6B:3F:F7:6A:4E:8F:3D:87:27:67:56:BD:0C	F7:4D:A4:D9:A6:87:C5:04:64:99:AE:FC:9F:A8:67:DE:91:A1:A3:94:1A:09:F2:4C:F9:46:03:B7:AB:78:10:8A
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Extended Validation CA - T1	33F5AE11193083147E5B66F31FED1129	09:BA:2F:C6:04:B7:D6:63:24:24:70:83:A4:B8:44:57:9A:B7:F0:7E	D8:05:64:43:3E:D3:5C:85:0E:2A:D5:89:B7:71:3A:4D:AC:01:A0:92:92:86:9B:DB:88:0E:42:E2:3F:93:36:EA
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Extended Validation SGC CA - T1	1A4CE18725E5C114B8C98DE0EBA99AD6	C3:70:A4:69:A4:D2:20:BE:C8:5C:89:73:BF:C3:E6:BC:3E:09:46:B5	6E:DA:D2:26:1A:A3:D5:3B:E0:D6:FF:5F:A7:1C:34:A3:4B:25:3B:0C:63:7B:35:BF:3E:96:65:40:F7:8B:63:1B
C=US, O=Thawte, Inc., CN=Thawte SGC CA - G2	18A2236CD727C7528DF67B4B856EFFED	BE:BC:70:D3:DF:2B:3F:8F:55:AE:D9:83:BF:20:F2:E3:B2:1A:36:F6	0C:EB:F9:7D:1F:AB:C6:47:53:79:9F:7A:9A:50:8C:7C:5F:2B:58:B9:28:FB:1B:3C:DC:6C:41:09:C0:CF:2E:99
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test Dealer CA	5A2EC0CDC65C525582B5904583C0AD94	1A:30:E9:6D:31:54:01:39:4C:E8:9E:0A:61:19:10:79:DE:E3:82:8F	43:25:F2:A8:87:0C:B6:A9:BF:08:66:4D:69:73:23:F6:25:46:C4:09:07:F8:85:D6:A6:40:70:71:B4:A9:B5:40
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test OTL CA	1CB7924D30D1588527E90502C4D55C30	D0:D6:49:04:B1:5F:FB:D8:AE:E1:60:F5:08:81:CF:EF:5D:7F:7A:A9	FD:9A:6C:86:AE:90:E3:F7:D5:51:1E:F9:68:35:7B:0D:0D:74:FE:C0:C7:1C:03:7C:C9:B2:9F:3F:29:40:F9:F9
C=CH, O=World Intellectual Property Organization, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 1 Managed PKI Individual Subscriber CA, CN=WIPO CA - G2	25AE2B6BF299A2670DACDB55411289FC	35:CC:7A:22:4C:67:A6:64:E5:6E:4D:E4:D1:C1:21:68:E5:33:CA:8B	FA:07:3D:67:B4:22:9B:D0:63:FE:C7:70:E2:72:EF:25:6C:19:6D:4B:1D:72:00:59:81:88:26:ED:02:AC:78:11
C=CH, O=World Intellectual Property Organization, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 1 Managed PKI Individual Subscriber CA, CN=WIPO CA - G2	51677AC886D7FDDD C930BF8621B04658	54:E0:0C:B4:D4:D3:A5:38:8E:6F:A3:75:6C:C8:07:AF:20:D6:A9:6D	5C:11:15:A7:8C:98:B9:B4:0A:23:2D:E8:CC:A5:8C:DE:88:0D:D7:38:35:D4:0E:A1:5F:4E:3F:A6:B4:E2:B2:86
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Dealer CA	2F115B7497409B4649FE6454B699C2E6	C0:55:09:FD:DB:10:E2:56:94:1B:AB:62:82:2A:A6:3E:C9:A8:B5:03	76:79:0A:E7:08:EF:BB:36:6B:A1:92:A6:8D:50:81:0A:E5:3E:82:A4:97:CF:F3:91:1F:88:8A:21:E0:4F:E2:D7
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS OTL CA	3AD29B805D7C64003ABF73716854D8B5	D2:C7:CB:6E:13:48:3C:60:04:00:9B:2D:97:45:5B:7F:F8:F4:AF:A6	C7:36:74:03:CF:6D:5C:13:D9:69:01:87:92:6E:F8:96:CE:6E:74:13:50:80:C9:AF:D8:C8:B1:53:24:67:AE:50



C=US, O=Oracle Corporation, OU=VeriSign Trust Network, OU=Class 3 MPKI Secure Server CA, CN=Oracle SSL CA	2585C838A4C935E383866B6BA2422FC7	4B:E8:0A:AC:65:90:EE:FE:50:08:A5:A1:DD:33:40:66:54:BA:32:2A	7F:68:89:FF:E8:B0:20:45:E2:CA:C9:9A:2F:2E:E4:F4:C2:EE:D2:49:34:B6:52:18:72:D3:4B:F8:12:67:1C:4B
C=US, O=Oracle Corporation, OU=VeriSign Trust Network, OU=Class 3 MPKI Secure Server CA, CN=Oracle SSL CA	71636635EBF3823D7E130959A2D8E5DE	5B:FC:FD:DB:69:63:A8:70:C4:91:13:A9:15:1C:E3:8A:C5:53:57:1B	C7:6F:70:98:05:98:C6:6A:8E:32:7E:17:B4:95:A2:27:62:65:C4:B9:A3:57:5E:FA:1D:55:05:02:A8:23:D5:91
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA	6C59EFA9E100E10EE306BA8FE0292559	F8:D2:C1:03:80:ED:A2:77:46:55:E5:61:9D:B7:D0:2F:7D:9E:85:0A	16:9D:AF:83:C0:87:0A:B8:92:7C:99:D3:FC:07:74:DD:F3:4F:BA:28:B0:2B:88:1D:CD:0B:63:3B:6D:71:B2:BA
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International CA G2	6F5702CEB98AAFA056117CF64D000BA1	69:97:C3:B5:5E:32:D3:79:80:59:35:ED:80:53:1D:52:80:EC:33:BD	19:55:0D:F2:A4:3B:36:7A:FA:19:4C:34:F3:C3:CB:F8:67:8E:34:66:91:F8:95:F4:29:87:1E:EA:DA:53:F7:F8
C=US, O=Bridgewater Associates, LP., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Bridgewater Associates CA	650D6A1364244F149B658E2D4569E6A0	CA:9B:0F:00:A1:FF:14:1D:89:DC:3A:F4:D1:E5:70:EB:4D:C1:E4:53	D8:E7:9E:BE:D9:97:B7:64:E6:D0:DF:62:4F:2D:BB:4E:FF:2A:1B:60:49:C6:F1:A1:A1:E8:82:63:C4:3D:B2:21
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test EDC CA	1F1A016E607BB42F7D3FFFD45F92B69C	6B:56:D5:CF:E2:06:04:C7:6C:04:5A:D3:C2:64:BF:1C:F0:26:2D:D4	88:99:57:D0:05:61:EF:99:86:74:02:A9:01:35:9C:77:20:29:AD:43:CC:BE:46:B8:2B:F2:E7:19:3D:38:54:11
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS EDC CA	64BD88CDEE991BFEEB75ECB1327FF340	BF:3F:6C:7B:48:F9:50:58:38:A9:FE:D8:56:EA:A5:49:C1:20:8C:3F	4F:5C:36:41:95:68:CB:1E:70:84:FB:82:DA:CD:D1:01:5A:DB:1D:57:B5:C3:E3:F1:7F:7F:7C:A0:92:97:74:32
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS Test NF CA	00C44000CAA1D52AC4B323EFD7A5CC12	D5:96:00:54:B8:9A:BE:7C:3E:EF:4F:20:83:EB:2D:F0:93:5B:C7:D2	D9:E9:09:3F:BD:72:8E:05:24:0F:DB:4D:0D:F4:6B:7B:EB:9A:B7:E9:55:4D:30:CB:49:D4:68:1D:63:44:C7:5F
C=NO, O=Telenor Norge AS, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Telenor Norge AS NF CA	6365BA4F31FF7FE2E14F544B4CFDE2CE	B1:1C:83:ED:BE:C2:7D:EA:81:B5:1C:11:B4:55:86:C7:78:62:F8:58	8D:E6:CA:4D:03:AD:F1:9A:56:B3:CD:D6:DC:A8:43:C5:11:89:D0:A2:BB:60:D8:4B:9A:D0:1E:BC:74:1F:5F:22
C=US, O=Moog, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Moog, Inc. M2 CA	2356997B747D3A33BDA2607B29B6FDD2	1A:23:EE:11:41:CE:00:01:6D:E0:02:3D:AB:35:45:C8:C3:B7:BC:9B	01:C2:35:31:12:74:30:7F:44:57:E0:79:E1:E1:1C:CB:0A:B5:B2:A9:F9:91:9B:26:9A:5D:30:48:21:F9:3F:B8
C=SE, O=Volvo Car Corporation AB, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Volvo Car Corporation CA	7665CC717A151BB77B6549509996E8B0	B6:B2:DA:D6:8A:37:FF:CB:CC:9A:E8:0D:CD:68:E1:A8:9E:BE:D1:0F	00:71:2A:C5:31:4A:93:8E:0D:61:88:AE:8D:4C:35:66:AE:6C:6A:E9:EB:00:6F:BA:A5:DE:42:39:AF:44:27:A5



C=US, O=SCF Arizona, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SCF Arizona CA	74E69E47B90DA8CD2B901612B724801B	03:FD:CD:1D:7A:16:5E:83:46:D4:56:99:CB:2D:4C:F4:72:08:B3:11	BE:3A:96:2B:7A:F9:31:D7:AD:FA:F7:45:2F:E8:52:70:02:0E:F8:53:A5:DD:33:4A:ED:80:D2:9E:89:2F:03:91
C=US, O=CDC, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CDC Secure Data Network CA G2	298A747D8D4E7C7329A66CAC68065200	33:4D:3F:CE:4B:84:BB:59:4A:2F:B6:BC:09:A3:E0:99:77:A5:8A:D0	70:A0:FE:0E:DC:B4:89:8E:5B:B0:9D:F8:FC:6B:89:78:E0:2A:28:7E:DB:10:17:58:70:E8:1E:14:91:34:0C:5C
C=US, O=Adobe Systems Incorporated, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Enterprise Services CA - G2	792A2FAEFA33DF8FB7302A803C106E37	B2:BB:A9:C7:DB:86:8A:AA:D1:2F:AD:04:AF:96:D0:49:28:DE:D2:84	EA:78:91:2A:E2:E1:55:49:DD:A0:2D:74:CC:05:A1:8D:AD:C2:18:DD:05:C1:3F:04:5B:26:43:3D:23:73:2F:33
C=US, O=SRI International, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SRI International CA - G2	74DB4F8C81D60841C73C964E0CA88BCF	0E:A2:F7:7C:94:0B:79:B9:A6:CE:4B:0E:D8:79:05:3F:B5:7F:49:09	5D:8A:65:72:2E:CB:78:42:EC:C4:9:89:DA:6D:15:00:4B:EF:61:4E:BA:97:C6:0E:D9:6E:04:A8:41:44:BB:E3:FA
C=US, O=SRI International, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SRI International CA - G2	0C17A8665F5413BF7D62F67F53205C07	38:48:6B:1A:EB:A8:3D:7A:FC:18:87:4A:26:6B:BD:9E:A6:4F:28:D7	5B:6A:31:D1:4E:D9:8E:8C:F2:3A:11:5B:C4:5E:87:B8:EC:D8:2A:93:7A:29:DB:E0:EF:BA:3C:81:33:49:4B:74
C=US, O=SRI International, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SRI International CA - G2	7FE0C1DA1A8835CFAF59EBEDB0D63FCF	58:B4:A0:85:4B:99:65:90:E2:20:AF:2A:95:37:1C:F6:57:38:83:E8	12:4C:5A:3D:03:99:EE:D6:F0:A3:45:62:E6:9C:4A:88:31:D1:5A:57:5F:B8:FC:E5:61:83:B2:4B:33:FC:F2:49
C=US, O=SRI International, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=SRI International CA - G2	0597D4A78033303F331AD87011580081	FB:DB:42:10:B8:29:EB:93:39:9A:0E:3B:09:12:0D:C5:7C:D3:1F:AE	8F:11:E6:AE:16:2C:D9:47:2C:AB:0B:6C:02:3A:56:D8:A4:42:BD:59:81:DD:0C:DB:BC:D5:D5:01:92:32:23:B7
C=AU, O=ING Bank Australia Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ING Bank Australia Limited CA - G2	53425F8996D1133B76B6E74D58B6889E	47:C3:13:E7:3B:AD:DC:41:E2:1C:C1:E6:5B:1F:B1:CF:50:B9:9C:F4	1B:5B:77:93:29:3F:34:42:55:F3:11:17:A5:FE:DF:A7:9D:2D:36:F1:5B:43:0F:FA:4F:C8:E1:03:1F:69:AE:F7
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International Co-branded CA	3FB6C2F2B520AC80A627A1A6147833E	5D:D1:68:2A:4B:C4:1F:13:A6:A4:C0:71:2E:B6:89:63:05:31:E8:6F	E8:A7:B9:33:5F:B8:25:7B:E2:FB:F1:F1:7A:DF:BD:12:98:98:F9:3B:DF:4E:BD:59:67:E6:9D:25:4C:46:BB:57
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International Co-branded CA	1F19A0893456DB59BEF0D16A9634622D	CC:F3:B9:8F:FE:7F:3B:66:C3:0B:1B:58:F8:E3:6C:5B:CB:6D:9F:F4	7C:93:2E:87:09:83:5B:EC:74:AA:B6:F0:2E:95:8D:F7:09:95:B3:FE:D5:FE:4C:37:5D:66:B1:22:85:55:D8:ED
C=US, O=ARINC Incorporated, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual	0A41E2D91389E2C4B7AEBD2C1CDE1E00	B5:F7:2C:2A:A2:0E:46:5C:88:65:15:FC:A6:D9:36:6F:66:65:99:86	8A:8D:4C:A7:74:F5:49:64:57:8B:37:1A:BD:8B:05:59:37:E8:B7:A0:CD:B6:59:A3:15:0E:B6:48:89:30:E6:61



Subscriber CA, CN=ARINC Public CA - G2			
C=CA, O=GREEN SHIELD CANADA, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GREEN SHIELD CANADA CA	2F463F154CFDBD1F2 2CE07F0EDF64003	70:61:81:AA:62:11:45:94:7 5:AC:2B:7B:24:FF:B8:92:C C:87:88:78	6A:71:46:31:90:34:A1:F3:8 0:E6:B3:2A:8F:AC:00:69:E B:1D:33:24:77:F4:EA:D3:37 :62:F8:A6:14:A5:52:F2
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International Co-branded QA CA	27F62088D2D4BA9A8 79E0B58F35DFDDB	94:CF:D1:93:50:62:16:5D:0 3:FB:26:73:59:D3:57:B1:B6 :07:B4:43	0E:45:4C:9F:C3:36:11:BA:8 8:3B:37:72:CD:29:13:39:C8 :FC:ED:15:7A:3F:C5:C6:AD :D4:D6:D4:40:63:5B:54
C=US, O=Honeywell International Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Honeywell International Co-branded QA CA	7E91DB88F203F7890 A33EDE7EA8D0937	DE:B0:67:FA:50:7A:C2:41: 3B:C8:29:28:9A:24:8D:96:2 6:09:FE:1F	87:C0:BA:E2:75:BF:11:F2:5 A:E3:29:0B:3E:81:0D:97:E8 :29:7F:27:6C:57:6C:DA:A9: AE:B5:FA:EF:C4:CD:22
C=US, O=Key Bank National Association, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Key Bank CA G2	2D9366BBC47FFBF5 C3534CBCAB44989	65:FA:B1:8D:9C:F3:B6:3C: A7:D1:7E:3D:66:D9:1D:F1: 39:EC:90:08	F0:CF:E7:BE:D5:73:F7:87:A A:DC:3B:01:03:9D:A9:80:F 2:19:90:F0:7F:0E:4E:16:3B :BC:AA:31:2F:D1:00:18
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 SSP CA - G2	0557E079E1C3DC67D 64818B75CB2EA97	4D:62:6A:46:78:53:86:9E:B 3:E2:60:28:9C:96:05:20:D7 :99:81:A9	3C:18:17:6F:EB:A1:D2:0C: 8B:FA:7B:48:40:66:E2:A5:8 2:5A:22:62:37:E1:E7:BE:38 :28:E6:F6:C3:77:1B:23
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation SHA256 SSL CA	09B749FD7F0B4916C A055656CFF6D982	CD:F4:28:A8:90:D3:74:8C: 5D:28:ED:1F:4C:69:49:9A: 3E:16:F1:33	1F:9B:31:F8:20:92:9E:BF:A 0:31:17:EC:2B:77:BA:6B:0F :B6:EC:C9:E0:27:68:2A:55: 93:78:DA:31:1C:54:EF
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Secure Server SHA256 SSL CA	69879419D9E362707 49DBBE59DC6685E	E7:32:73:E5:3A:CF:E8:0F:4 1:0B:3E:F4:6B:18:02:87:A0 :04:40:CD	E0:89:8A:D6:62:47:4B:9F:7 5:3C:79:BE:A8:78:03:1C:9 A:5D:63:4A:49:ED:D6:31:0 B:96:0A:B0:23:C0:2C:0E
C=US, O=Agilent Technologies, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Agilent Public CA G2	647D3E21AFB097D3B C10034285CFA898	21:87:E1:D8:A7:DE:AB:16: FE:E7:B8:89:63:0F:FD:58:4 F:BD:9E:B6	04:A4:99:31:5A:0C:F3:5C: B7:E8:2F:2B:DD:73:9F:70:E 7:8E:AF:51:EC:3A:CD:D3:9 1:46:B4:7E:F8:EA:63:5A
C=US, O=Agilent Technologies, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Agilent Public CA G2	44BFE7C89FC876256 EF4A5E34473F1	9D:B8:58:57:BF:AF:C5:0C: 2E:96:41:B8:2B:2C:13:83:D A:E4:B7:61	6B:E4:73:2E:5C:0F:BB:61:A 4:F8:B2:EE:D0:A1:C4:7A:B 7:FC:FA:55:9F:D5:EF:3D:5 2:50:D2:0E:74:50:3A:83
C=US, O=General Electric Company, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=GE Enterprise SMIME CA 1	3C2D52A1F2C62E841 A1338D04AC84BD3	C1:57:66:BA:E4:08:FD:47:4 F:7B:AE:E3:46:3E:63:82:33 :72:F5:75	0B:1D:4B:AC:05:4B:0D:CB: 58:66:CF:73:F1:85:69:59:B 3:FF:DE:E5:04:56:00:1F:FC :6D:F0:E3:57:48:AB:92
C=US, O=Federal Retirement Thrift Investment Board, OU=Symantec Trust Network, OU=Class 2 Managed PKI	749215D9D79EAE5E 639174EC685099B	04:6E:F4:EE:E3:70:BC:7C:8 0:88:BE:A4:96:22:22:7C:B9 :64:65:4A	87:87:4B:27:5B:A5:E6:19:8 C:A4:DD:68:C3:5A:5A:71:5 4:FE:16:35:C6:3B:15:F9:D5 :73:A2:CA:3A:82:0A:46



Individual Subscriber CA, CN=Thrift Savings Plan CA - G2			
C=US, O=Federal Retirement Thrift Investment Board, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thrift Savings Plan CA - G2	579BF799C1C439BD1 C6770AB9383AC3E	5F:F5:76:CB:17:C1:21:13:3 F:8F:98:66:9F:FF:26:7A:22 :D3:DD:83	6F:E9:69:B0:E3:29:56:CD:A 8:27:A4:08:4F:93:30:C9:55 :9B:B9:10:29:1B:9A:41:07: C3:C4:70:77:44:11:D1
C=US, O=Aditya Birla Minacs Worldwide Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Aditya Birla Minacs Worldwide Inc. CA	44AFE307E17F75740 514A9CB4682823D	62:66:A2:89:0A:0A:BF:FA: CD:DF:73:33:CD:D8:78:74: OD:90:6F:0E	B1:6A:65:1C:06:83:E8:04:D 4:10:0C:21:0C:70:61:8F:4A :BC:87:81:76:45:28:AF:8F: 03:65:8F:EA:31:8E:15
C=US, O=Brown Brothers Harriman & Co., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Brown Brothers Harriman & Co. CA - G2	2EFA325E600BC765 0223A75B822F6F7	17:E3:19:29:DB:C7:15:36:8 C:36:B6:3E:A7:8E:6A:C9:1 A:19:CE:0A	70:82:42:7C:D4:68:34:AE:F 6:65:5A:BA:DD:89:8D:E0:1 F:9E:1A:98:8E:75:34:01:EF :81:A0:A3:74:10:AB:78
C=US, O=Brown Brothers Harriman & Co., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Brown Brothers Harriman & Co. CA - G2	62669525B79983206 08301B9E8464999	87:2B:3F:AB:6D:F3:E6:73: AB:63:5A:41:43:E1:D6:ED: A2:D3:8C:8E	CF:BF:98:8B:04:B4:18:42:8 2:4B:28:79:99:09:2E:B3:AB :6C:D8:DF:CE:B4:9B:D3:D5 :D4:83:45:A5:B4:81:8B
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Shared Public Organization CA - SHA1	2CD28B18754D012A4 E3D7AF21567EB67	DD:5E:46:EF:42:38:2A:A2: 40:84:25:52:DE:77:EC:95:4 0:61:51:52	A8:29:44:4A:D2:FB:48:07:9 A:59:5F:BB:D8:8C:4E:65:8 E:E2:08:9A:5E:12:9B:89:AA :AC:CE:85:11:98:FF:D7
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Shared Public Organization CA - SHA256	63E8F4DEFFC155416 A7B978E661ED14B	AA:75:89:03:CA:A1:99:2B: 0C:F1:C8:A9:3E:F1:5D:8D: 41:28:9A:CF	2F:72:01:9C:B4:5B:07:AB:0 5:CB:1B:B8:EC:C3:07:6D:7 0:72:66:0B:57:A2:9E:42:EB :E2:AA:57:B8:3B:C6:0B
C=AU, O=Fuji Xerox Businessforce Pty. Limited, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Fuji Xerox Businessforce CA	1ED74DBF3743DF233 16E198B217D264F	EB:3D:03:EB:C8:3F:E3:BD: 60:BE:BB:96:66:E6:5D:A8: 2D:78:F7:BC	AA:4C:BF:40:A4:33:B6:CE: E6:23:BA:61:45:7B:41:05:2 C:0A:3A:C7:DC:A6:1E:0E:E F:BA:32:F2:CD:7E:38:CE
C=US, O=State of California, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=California Correctional Health Care Services CA	40F7C09406C720A54 472CC12B3B11640	C8:B8:19:48:4D:E6:0F:92:F E:B6:CE:63:20:0C:D7:2B:7 3:7F:0B:B1	9A:82:B1:E3:1E:8E:77:D1:1 7:F8:F8:84:75:47:CD:95:4C :BF:24:25:1A:41:20:F7:10: BE:3E:82:2F:A3:A8:11
C=US, O=Identive Group, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=idOnDemand CA G2	272C3C520C3F7C08F 684F484D8C7F5CB	D0:DB:44:81:BA:B8:AF:29: 2E:9E:31:2B:77:02:D6:0C:7 A:59:77:B3	B8:12:A3:15:6B:BB:9F:0A: AB:F8:F3:6B:E7:2A:95:38:8 9:36:27:20:70:C4:86:0D:BD :D4:95:5F:0D:59:B4:86
C=US, O=Identive Group, Inc., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=idOnDemand SHA-2 CA G2	2801E6E04E8D88F3E 1C5FB44FD872D13	56:87:44:5E:C5:DD:82:CC: 88:44:AE:D9:17:31:CA:7C: B5:A8:FA:A3	36:CA:B8:A8:61:39:B8:24:7 6:AE:82:4E:E4:93:9A:92:08 :8E:6F:16:C2:BD:27:0E:E3: 49:BF:9D:5A:9E:33:84



C=DE, O=LfA Foerderbank Bayern, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=LfA Foerderbank Bayern	5642B0D3EDE4EEC766E0F534B48C2210	25:A5:B3:26:A6:45:95:7E:B6:E6:2C:C8:1B:1B:83:93:4F:0C:8C:51	C0:33:66:68:30:6A:9A:F0:7E:39:6D:39:30:27:49:74:2C:17:D7:09:CF:89:A3:6A:AA:21:C0:1E:83:64:81:38
C=US, O=Blue Cross Blue Shield of Florida, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Blue Cross Blue Shield of Florida CA G2	0AC392A3E0BA632E60FB4808D555CF39	AB:F6:AE:DB:4E:26:41:E4:04:C3:74:2E:67:19:66:12:61:46:78:90	2B:6B:47:6D:7B:6F:01:18:82:26:DC:5A:73:5A:B9:44:27:B7:00:0D:31:FF:FD:96:78:E9:E7:04:A8:BF:4B:B2
C=US, O=Blue Cross Blue Shield of Florida, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Blue Cross Blue Shield of Florida CA G2	49DC24D27941748680BA8BA5AE20E53D	E5:B6:A6:9B:6D:67:1E:C7:92:41:6F:ED:32:35:88:42:BB:78:3B:F1	F8:5A:6F:15:47:43:71:B4:CA:CB:75:3C:C0:9C:3B:ED:71:39:E9:C3:5B:21:E9:57:71:C2:27:29:7F:F0:25:E2
C=US, O=Administrative Office of the U. S. Courts, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=AO USC ROOT CA	00D86CA5017CF55869BB4A9BA4243B76	49:4A:5D:98:99:85:E4:B3:FA:0F:2F:E7:FC:72:9B:2C:7E:CC:83:16	70:FC:4F:59:FA:70:CB:B6:A2:4B:2B:64:44:E0:D0:97:33:B1:C4:A9:F2:8A:6B:20:6C:11:05:79:05:5E:1F:D2
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Registration Authority Intermediate CA	026C067ACE225063C5F00EB132C9D939	AF:E0:6F:31:21:D6:0C:3B:EA:BD:64:2D:9C:6F:BC:7E:A0:03:E1:4C	83:C9:35:F3:4C:50:B7:66:54:09:40:4A:FE:5D:FA:07:AD:CB:5C:7B:52:B2:BE:F0:AC:6E:99:3C:00:54:5D:76
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Registration Authority Intermediate CA	14D33F07E6160DB59D898CDEC14751A5	CC:F5:3C:01:49:EF:C2:BD:94:47:FA:48:02:BB:00:E6:D0:70:81:EB	5B:69:0E:1C:D2:BC:00:16:E4:DB:2A:AB:AB:50:37:45:E4:1F:86:B2:44:8F:2E:C0:6D:29:F2:49:99:DE:BC:A2
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, CN=Symantec Class 3 Registration Authority Intermediate CA	25090050CE7814FE6F62E10625CBDEA3	77:72:B0:DD:5F:C2:DC:72:80:C9:B3:30:FA:15:51:FC:78:E3:4A:B5	CF:A1:F1:93:79:D9:F0:A3:FC:8D:44:06:49:66:B6:97:12:76:0A:E4:75:91:D8:65:1B:76:33:17:54:69:A8:A7
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Admin Intermediate Certificate Authority	4E2545EA7B4811D46F89BB855BDF324D	42:81:D0:3C:0A:22:59:61:54:76:71:DF:0B:AF:6A:93:CA:BC:B6:8D	06:2A:76:E5:19:6E:4C:62:20:AC:A7:D3:2A:A4:19:76:11:01:37:4C:11:86:6C:36:27:D5:F8:A0:55:EC:E2:CE
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Admin Intermediate Certificate Authority	38CDC26A02ABA9B2494C55785B011132	E3:25:61:06:E2:41:57:DE:25:CC:84:AB:31:90:48:32:8D:FD:08:9B	6D:0B:D6:E1:AC:0E:C3:98:EE:85:37:90:6D:98:F3:78:FC:7A:B4:9C:1E:29:6A:F2:33:37:4F:A5:A2:71:DB:34
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, CN=Symantec Class 3 Admin Intermediate Certificate Authority	1FC4E48C98DE1214407D6E316FCC8E3E	E0:61:A7:A7:19:A2:D6:F1:E6:03:26:A7:4F:B2:D0:63:FC:C4:43:D1	F7:1B:3E:31:B6:CE:7D:73:5E:78:1D:B1:56:CD:D7:7F:99:3A:3B:7A:14:19:50:58:D9:A6:D1:5C:0A:97:C3:B3



C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Shared Intermediate Certificate Authority	7685CB07A8E0CC0FD 2C54D8F3935B312	15:24:50:2C:A9:95:BA:BD: 76:88:23:1D:58:D5:6E:12:D 4:DF:F2:DB	52:65:BC:A0:D3:1C:47:DB: 16:C3:59:C5:DA:88:B4:C3: 10:FA:0D:4A:B1:A8:6F:F7: E2:D5:BF:A1:54:6C:55:59
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Shared Intermediate Certificate Authority	1935587E2C208EB44 D498092FB667564	44:0D:16:F3:18:10:55:5B:2 E:C5:2C:43:9D:55:DC:BB:6 0:B9:FF:AD	0F:E7:E3:78:1F:96:03:BB:E D:69:B2:14:58:42:FA:87:82 :F5:52:BD:35:F3:D4:38:D6: 95:78:79:40:14:E9:1E
C=US, O=Symantec Corporation, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Symantec Class 2 Shared Intermediate Certificate Authority	0E48EEFAD33A9D6B2 65CCC253EBF3F3E	03:2F:3F:EF:A1:CC:2F:B0:F C:77:5B:01:6F:96:BB:E1:52 :4D:90:64	CB:38:7E:39:2A:90:E8:B1: A3:82:BE:8E:DB:9E:7B:29: 43:E9:00:2F:73:A5:63:F1:8 B:06:14:22:18:F1:11:8C
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Secure Server CA - G3	2CFEB6090EE2ADE2E 9FC223724F1B6BF	12:C9:B2:91:D1:9D:36:32: D4:4F:10:69:55:1C:46:49:0 A:EA:05:42	5B:9F:35:0C:2A:76:BE:64:B B:3C:2C:6E:2A:41:4A:ED:D D:0E:F0:A2:6D:7C:97:FA:7 A:F5:7D:52:0C:60:B2:E9
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Secure Server CA - G3	6ECC7AA5A7032009B 8CEBCF4E952D491	5D:EB:8F:33:9E:26:4C:19:F 6:68:6F:5F:8F:32:B5:4A:4C :46:B4:76	64:90:35:46:A5:80:58:D1:E 6:F1:BE:AD:11:34:ED:E6:6 A:68:31:D2:31:F0:DF:8D:4 E:28:53:5D:7A:30:04:96
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Secure Server CA - G3	7916E894B11C76FC5 C43F5168924261F	91:88:F8:85:10:6E:81:EB:A F:BB:11:83:71:3D:11:43:53 :6B:95:E9	31:DC:82:EA:89:15:E2:7D: 03:BB:D0:43:36:58:A3:C2: 4C:6D:3A:CF:F4:8C:4F:AA: C0:2F:E8:7E:94:C9:9A:3B
C=DK, O=A.P. Moller - Maersk A/S, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=A.P. Moller - Maersk Certification Authority	47BA978E3FC8F2BD5 CDDCC1712F76868	01:E5:5D:EC:F6:35:D9:60:7 F:EE:D3:98:E0:22:35:27:67 :5C:B8:6B	CD:C4:53:96:93:04:BE:E6: A5:8D:9B:AB:C0:AA:C4:C4: CE:21:56:A1:C1:72:A2:58:5 E:54:60:79:14:4E:4E:58
C=DK, O=A.P. Moller - Maersk A/S, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=A.P. Moller - Maersk Certification Authority	37F4E47DEAFA3B3E 483A229F69CA2F4	A6:1F:1A:69:51:B1:FC:EB: A5:F1:61:CB:57:66:D2:27: B8:A6:A1:D1	8A:A7:7B:B7:AD:A3:B5:0A: FF:1D:DD:90:12:C5:D7:3B: 0D:9F:87:22:BE:DF:CE:E0: B1:DC:0A:CC:B0:DD:1E:0E
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 International Server CA - G3	641BE820CE020813F 32D4D2D95D67E67	B1:8D:9D:19:56:69:BA:0F: 78:29:51:75:66:C2:5F:42:2 A:27:71:04	6E:21:87:6C:F1:63:47:20:1 F:63:7A:17:8C:B4:2B:17:1 D:52:37:9A:F7:E5:F5:B6:F6 :75:5B:3E:E9:BB:2E:D4



C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 International Server CA - G3	326AF958B76C7F6F39A86850D37FC42D	E5:AC:F7:ED:FC:38:30:AC:D1:0C:EF:76:08:3B:D3:2F:1F:02:64:DC	33:02:60:A6:9C:08:87:F1:B9:A4:98:30:2A:EC:FD:A1:7D:E8:9A:81:9C:7E:57:E2:8C:40:A5:30:80:BE:10:E8
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Code Signing 2010 CA	5200E5AA2556FC1A86ED96C9D44B33C7	49:58:47:A9:31:87:CF:B8:C7:1F:84:0C:B7:B4:14:97:AD:95:C6:4F	0C:FC:19:DB:68:1B:01:4B:FE:3F:23:CB:3A:78:B6:72:08:B4:E3:D8:D7:B6:A7:B1:80:7F:7C:D6:EC:B2:A5:4E
C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)10, CN=VeriSign Class 3 Code Signing 2010 CA	3D881D656DEA1C951F09E1DB52DD9C07	5F:C3:86:A0:E8:B5:2B:33:76:D8:4F:54:EF:FE:79:8F:BD:43:85:59	19:3A:2A:64:C8:2C:92:0C:BC:2A:3A:2D:03:2A:A1:F8:E5:F7:F3:48:30:58:71:0F:0B:6A:0F:BB:EB:69:7B:69
C=US, O=The ServiceMaster Company, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=ServiceMaster CA	60A6360C7D9889A65E9B388F42AF0CA8	BC:FB:AD:F0:B8:75:AE:2C:F4:C3:3C:B8:86:98:93:42:12:EE:13:42	2E:26:D1:55:C1:B8:12:40:4C:41:E7:36:0C:F1:D9:3D:46:64:AE:26:72:74:F6:4B:81:14:BB:E7:98:1E:83:B2
C=AU, O=BHP Billiton Group Operations Pty Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=BHP Billiton Group Operations Pty Ltd Secure Email CA	03021D1509D2D5375CAEEA914FC4C853	C6:70:D3:3A:C8:74:35:4C:CE:CC:12:AD:5B:1B:34:39:7C:CC:76:3C	67:C0:A4:82:62:93:FC:FC:61:E5:7F:B4:96:44:3C:84:F0:35:49:6E:21:20:FC:80:C5:51:AD:3C:37:75:E3:68
C=AU, O=BHP Billiton Group Operations Pty Ltd, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=BHP Billiton Group Operations Pty Ltd Secure Email CA	3EBFB24F4238A5812B05B652F972E51	F7:A8:9B:13:1E:83:D2:AE:8F:55:E0:10:38:4B:5F:9F:04:F2:BA:DD	0A:9D:BB:4B:E5:DD:B8:EE:F5:4E:E1:3B:36:EB:97:DD:8B:EB:FD:7B:0A:FA:8B:9C:9A:21:5E:B7:24:A4:E8:8D
C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Persona Not Validated, CN=Symantec Class 1 Individual Subscriber CA - G4	38AB002FFFAE96B756FF395AFB5DE71B	2F:75:63:CB:C7:F7:61:15:47:1C:AD:B8:53:C9:E4:19:AC:DD:A6:CD	CF:47:B3:70:76:1E:9C:A4:00:96:CB:DB:0C:34:B6:14:29:95:7E:41:07:80:33:9A:0D:00:5D:73:E3:71:20:4E
C=US, O=Thomson Reuters Special Services LLC, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Thomson Reuters Special Services CA	7926C71D3974E1432399A1455C01978A	E6:0A:DA:C9:57:C0:F0:7D:79:1D:A6:58:3A:81:D5:31:22:17:DA:02	BF:C0:5B:C2:49:D9:2B:89:2C:E2:88:A0:E8:5F:0E:96:BB:91:50:F7:41:71:9D:9B:73:EB:41:EB:89:D4:92:41
C=GR, O=Alpha Bank, OU=VeriSign Trust Network, CN=Alpha Bank CA	7BD7E9F29A09E230EAA47C5573EED2A0	7C:21:73:74:BB:3F:C6:DD:50:F3:AD:A7:CF:F6:BB:52:D2:F8:B8:C8	A4:63:DF:D8:D2:D5:A3:13:A5:A6:24:73:47:64:C1:B9:14:9A:5E:09:38:59:C3:E6:EC:1E:2D:56:B8:FD:D7:C2
C=GR, O=ALPHA BANK, OU=Symantec Trust Network, CN=ALPHA BANK CA - G2	1083683F36B4D79192A4B1694A5AD2C3	38:43:88:4E:0F:B9:27:6D:7F:D9:1E:1F:56:19:EF:19:B4:1A:DC:0C	D4:F4:E9:71:98:21:1E:5D:9E:80:28:4E:E4:DF:A1:CE:BF:4D:FC:AB:FD:D3:26:5F:C F:3D:64:25:12:D4:FC:C7



C=GR, O=ALPHA BANK, OU=Symantec Trust Network, CN=ALPHA BANK CA - G2	1FBB5DC787A9217CD AB7C325BB4C1D85	C1:C5:0A:E0:52:10:5C:16: 02:4C:C7:8F:1A:46:D8:D7: A4:10:ED:B1	9A:18:34:37:33:25:53:74:D 2:A9:6D:77:0E:B7:A7:B7:6 E:C4:4A:89:75:F6:F0:6A:F7 :84:BF:3E:F5:E1:F7:D4
C=AR, O=Bolsa de Comercio de Rosario, OU=VeriSign Trust Network, OU=Terms of use at https://www.certisur.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Bolsa de Comercio de Rosario - G2	7B7C2F05303310B16 0FE4931B6A63647	73:AC:7A:B2:20:EE:33:12: C9:53:CC:57:14:F7:A1:0C: C7:E5:25:AF	D0:71:48:B5:3F:F8:D0:E1:7 0:D7:14:EF:B4:F2:65:DA:D 1:FF:40:38:72:D9:ED:D5:FE :BB:39:4F:BE:E4:CB:72
C=AR, O=Bolsa de Comercio de Rosario, OU=VeriSign Trust Network, OU=Terms of use at https://www.certisur.com/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Bolsa de Comercio de Rosario - G2	01AAC263A9BF254A5 9577E526973F956	03:6E:C3:C9:97:95:A0:99: D6:EB:92:91:94:CB:7C:3D: CF:8B:C3:1E	47:9C:81:9F:A2:F3:18:E9:D 2:91:08:42:B0:45:60:7B:66 :C4:BE:BC:AC:DD:49:DB:44 :12:85:98:46:14:5A:B7
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, OU=Terms of use at https://www.e-sign.cl/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=AR Estado de Chile CA/emailAddress=e-sign@e-sign.cl	2243F960DC12040BB 28E208042CF4622	FF:2D:19:91:0A:C1:47:79:9 D:0B:BC:85:6D:34:C4:AA:8 2:2E:5C:94	7B:82:A6:5F:1A:00:3D:33:3 C:48:E5:66:A9:7D:73:92:3 C:18:67:62:C0:7A:E9:76:A B:45:6E:ED:EF:28:4B:0B
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, OU=Terms of use at https://www.e-sign.cl/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Admin - AR Estado de Chile CA	110F05BA4558A4B8F F548B4CE9FC582E	AE:11:C2:76:6B:F2:6B:E6: C7:74:A2:CA:5A:EC:0A:FC: 34:0C:F4:79	7B:4F:CF:EA:C7:0B:D4:AF: BF:A2:D8:30:35:DC:F6:3E: DA:12:8F:C0:99:B3:DC:AF: CF:76:A6:6B:0B:68:EC:6E
C=CL, O=E-Sign S.A., OU=VeriSign Trust Network, OU=Terms of use at https://www.e-sign.cl/rpa (c)09, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Admin - AR Estado de Chile CA	6DF2D91E9FCF13788 3212F6037EB58B7	F6:66:01:65:CC:F2:DE:67:7 A:67:D1:15:C0:DD:59:82:3 9:11:01:5B	56:35:66:5E:B6:7A:41:64:C A:A9:E4:52:C2:F4:84:23:C B:EF:E0:65:07:55:9E:BA:A3 :69:A0:51:58:59:7F:1A
C=AR, O=Banco Itau Buen Ayre S.A., OU=VeriSign Trust Network, OU=Condiciones de uso en https://www.certisur.com/rpa (c)07, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Banco Itau Argentina	6C5D61EA3A49CE482 234BA299F7B3F33	07:2B:97:9B:0D:F3:34:EE:9 E:A5:4F:80:63:FF:17:40:04 :96:19:3C	6C:70:26:90:A7:F0:A1:A0:4 1:5B:FB:6B:0F:AC:04:40:A 0:DC:19:8A:E0:31:E8:3C:9 5:B4:6D:F1:21:1A:A9:24
C=AR, O=Banco Santander Rio S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Banco Santander Rio - G2	5F0F49A1AB70E5C2D C0346B261D95CF2	16:86:D8:E1:50:B9:C1:D1: 77:7C:E2:65:BD:56:45:7C: D0:19:28:68	C7:B6:88:79:23:74:03:95:0 E:17:F2:BE:62:04:83:48:43 :21:1E:04:D3:A8:85:63:25: 68:A7:76:36:E5:BF:3D
C=AR, O=Banco Santander Rio S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Banco Santander Rio - Empleados G2	4A011D4FD833AF159 925560F5E421880	C6:2D:65:94:0A:01:04:A9: DF:10:89:1E:9E:F3:27:CF:5 D:F4:46:30	41:00:F6:07:03:23:E5:8B:B 5:15:92:90:C2:4D:30:05:60 :1F:87:56:87:66:5B:48:EC: 4D:F6:5E:3F:1A:8A:C2



C=AR, O=Banco Itau Argentina S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Banco Itau Argentina - G2	56B98EFOCB200DBC8 74E0EF94905FB3F	6D:E1:A1:8F:42:AA:B0:16: EB:41:DD:3F:9A:B3:F5:76: 69:35:7A:E0	C9:51:DA:EC:BD:C5:97:63: C6:68:18:25:DB:ED:07:80: C3:E8:92:1E:1E:76:E9:AA: D3:14:6F:1B:0C:18:F9:B9
C=AR, O=CertiSur S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante CertiSur	7AB072A95F4221C45 29A9C6E0C433EEE	76:E6:BA:18:99:87:E4:CC:2 9:A0:33:F7:EC:3E:D6:5E:3 B:3E:F9:ED	C8:56:F8:54:F6:FC:94:EC:4 D:49:6E:6C:DA:E6:C6:6A:A 2:D8:CA:FD:BF:87:C9:28:B 9:89:8E:32:7B:96:2A:3F
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Individual Signing RSA CA	262CBFB5F36D78A36 0BE1DC844628D1D	3C:8B:FC:F7:C6:04:7C:6E: DC:9D:2F:EB:2F:10:C2:2D: 71:15:19:AC	4E:74:47:5D:2C:33:E1:DD: 47:32:30:6B:79:71:2B:5E:E 6:99:7C:2D:BD:F5:96:CC:8 B:D1:36:21:63:DA:A4:F4
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Individual Signing RSA CA	4C1215ABFA0B8D9D1 C5FD23BC11F8963	47:EE:74:50:4B:E5:39:10:2 D:AB:EB:74:E3:99:7D:89:0 5:24:E1:70	8B:92:18:D9:3D:B5:37:7C: FE:7D:59:23:E7:01:6D:37:9 D:44:6F:00:19:C4:7B:9B:4E :A7:37:AE:DF:86:A5:58
C=AR, O=Bolsa de Comercio de Rosario, OU=DigiCert Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Bolsa de Comercio de Rosario - G3	1022F719D58DFA97E 0BF5CC8448132EB	65:FA:B9:3C:94:31:98:6B:0 1:41:5F:9B:58:22:77:5A:7A :3E:93:F8	0A:0C:20:0D:F9:CF:54:59: AD:F0:DD:42:DC:2E:EE:10: B1:31:8C:5B:1C:52:45:16:7 2:69:51:1F:65:B1:AE:65
C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 2 Individual Signing ECC CA	6173A4BB44B30E7D2 878C203640B59C0	EB:06:39:99:1D:65:51:F8:D D:30:C5:35:22:0F:12:1E:FA :E4:3D:77	10:9A:EA:4F:36:78:23:98:9 B:6C:36:38:A5:69:33:AD:C 6:82:EE:BB:2F:65:5A:16:E6 :36:32:63:B4:A7:29:DB
C=DK, O=Maersk Line A/S, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Maersk Line Certification Authority	7044A752EAAEC77FE 4E034C54C0BB97D	11:B4:BE:51:AB:92:EB:49:B F:F6:0E:27:6B:BD:60:D8:E4 :58:4C:7C	00:59:C3:0A:64:B1:8C:37:2 D:31:6E:B3:73:C4:D6:87:0 9:1E:D2:02:C4:49:9A:B8:C 1:D5:D3:D0:F1:2F:16:89
C=BE, O=Safmarine, OU=VeriSign Trust Network, OU=Terms of use at https://www.verisign.com/rpa (c)11, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Safmarine Certification Authority	6779C0EF7D84B7F9F B93C38DA40843C7	33:C4:76:31:16:39:6D:7E:3 0:A6:2B:89:45:2F:8E:51:A2 :E4:6D:12	4C:3F:6F:55:76:A9:34:FC:5 9:76:58:3C:C4:C3:03:9B:00 :A8:F9:10:11:B6:10:4D:F1: D7:EE:48:C2:82:F9:4B
C=CL, O=E-Sign S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=E- Sign Firma Electronica Avanzada para Estado de Chile CA/emailAddress=e- sign@e-sign.cl	1AA36A62F96D7C9D DA98344621E8F143	47:A2:B1:88:A1:F0:84:C5:8 B:8F:B8:27:03:8A:AD:5B:3 8:E4:F9:6D	5D:ED:D2:9F:82:C4:BB:95: F2:EE:6C:B7:24:7E:7E:6C:5 D:DF:6F:8A:34:2C:40:A9:8 E:F1:4F:7D:E0:77:A5:CF
C=AR, O=Bolsa de Cereales, OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Autoridad Certificante Bolsa de Cereales - G2	66F19AEEB1A2BD899 CB598BD7A84840C	D5:F3:30:C9:C9:E9:53:F4:0 1:31:1C:C3:6C:AD:EF:2F:A E:AA:81:AE	54:E3:76:20:BF:05:CE:AF:B B:22:86:EB:25:1F:69:43:4C :84:67:7B:81:22:29:9A:F2: E0:77:50:34:12:68:E2
C=US, O=U.S. Nuclear Regulatory Commission, OU=External Basic, CN=NRC Basic CA G2	5DF3151772561A98D 859E547E974C91A	04:31:CD:9C:85:B4:34:61:8 3:58:B4:61:4F:83:9A:E7:0A :7D:E1:DE	C4:0D:6A:B7:5F:7E:5D:11: CF:7B:04:04:AC:7E:43:21: A7:A8:B0:DD:F7:63:13:28: F3:D7:CC:80:D6:64:4E:2B



C=US, O=Oracle Corporation, OU=VeriSign Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=IPsec CA	2332681DF4F0A9B05A0658F4B278461E	D9:BD:2B:A5:FF:61:F2:4C:CE:F7:10:BF:83:86:D6:40:E:0B:DF:7F	8C:DC:B6:24:73:FE:6A:EA:3F:A7:CE:06:5B:FB:09:2D:45:23:35:63:C3:3A:B1:6C:D9:98:5B:7A:0A:14:A0:7E
C=US, O=Oracle Corporation, OU=VeriSign Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=Object Signing CA	2EA2317F6E2B8FC144E66D7961624723	6B:C6:CE:A5:1D:A1:4D:E5:86:A9:A3:5C:EF:79:CF:12:39:15:E9:8C	FD:70:A5:04:12:71:0B:B7:9F:B4:2B:D3:97:85:DC:47:80:ED:73:2A:15:82:96:25:1A:6D:AF:BC:C0:60:26:98
C=CL, O=CertiNet S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CertiNet S.A. Firma Electronica Avanzada - G2/emailAddress=certinet@certinet.cl	2734B44CCF1F20EC5F24A52849DF05A8	9A:D0:06:75:24:CA:98:ED:1D:A2:6D:E7:80:40:4F:A7:4C:43:35:51	16:3D:DE:CF:86:B4:70:8A:77:70:5D:10:6F:D6:30:C3:03:31:B1:07:0C:4B:D9:A3:63:74:AC:0A:68:A8:3D:D7
C=CL, O=CertiNet S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CertiNet S.A. Firma Electronica Avanzada - G2/emailAddress=certinet@certinet.cl	02A6946F5A61CCE0261D88CAAB7B34A1	2D:C8:26:62:E5:2A:88:FE:EC:E8:92:E6:37:81:97:49:E8:4C:DE:44	75:F7:A4:03:D9:9D:49:88:3D:41:AC:AE:AF:DC:55:13:61:FC:4B:16:92:70:6A:BC:27:F8:2B:36:DB:5A:55:75
C=CL, O=CertiNet S.A., OU=Symantec Trust Network, OU=Class 2 Managed PKI Individual Subscriber CA, CN=CertiNet S.A. Firma Electronica Avanzada - G2/emailAddress=certinet@certinet.cl	28CC03EDE4DE4960EFFCB81FEB65F6EA	65:01:5B:B9:21:F9:4E:F5:D7:55:74:2C:6B:A7:82:5B:C1:C9:98:BF	9E:6A:85:5C:E5:4E:EC:87:E2:60:E2:81:BA:EB:F8:B2:48:1B:74:C1:BE:28:40:EE:08:50:14:43:1E:08:7B:C4



VERISIGN

**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 the 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 datacenter hosting services for the 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 v2.1, including the following:

CA Environmental Controls

- Physical and Environmental Security

VeriSign, Inc.

Pool, Dave Digitally signed by Pool, Dave
Date: 2019.01.29 07:52:07
-08'00'

Joseph David Pool
Senior Vice President, Technology Services

DATE