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INDEPENDENT ASSURANCE REPORT

To the Management of GlobalSign NV/SA:

We have been engaged, in a reasonable assurance engagement, to report on GlobalSign NV/SA management's assertion that for its Certification Authority (CA) operations at Japan, Singapore and the United Kingdom, throughout the period April 1, 2017 to March 31, 2018 for its CAs as enumerated in Appendix B, GlobalSign NV/SA has:

► Disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in the applicable versions of its Certification Practice Statements and Certificate Policies in Appendix A.

► Maintained effective controls to provide reasonable assurance that:
  • GlobalSign NV/SA's applicable versions of its Certification Practice Statements are consistent with its Certificate Policies as enumerated in Appendix A
  • GlobalSign NV/SA provides its services in accordance with applicable versions of its Certificate Policies and Certification Practice Statements as enumerated in Appendix A

► 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 (for the registration activities performed by GlobalSign NV/SA); 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

in accordance with the Trust Services Principles and Criteria for Certification Authorities v2.0.

Certification authority's responsibilities

GlobalSign NV/SA's management is responsible for its assertion, including the fairness of its presentation, and the provision of its described services in accordance with the Trust Services Principles and Criteria for Certification Authorities v2.0.

Our independence and quality control

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

The firm applies International Standard on Quality Control 1, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Auditor's responsibilities

Our responsibility is to express an opinion on management's assertion based on our procedures. We conducted our procedures in accordance with International Standard on Assurance Engagements 3000, Assurance Engagements Other than Audits or Reviews of Historical Financial Information, issued by the International Auditing and Assurance Standards Board. This standard requires that we plan and perform our procedures to obtain reasonable assurance about whether, in all material respects, management's assertion is fairly stated, and, accordingly, included:

1. obtaining an understanding of GlobalSign NV/SA's key and certificate lifecycle management business practices and its controls over key and certificate integrity, over the authenticity and confidentiality of subscriber and relying party information, over the continuity of key and certificate lifecycle management operations and over development, maintenance and operation of systems integrity;
2. selectively testing transactions executed in accordance with disclosed key and certificate lifecycle management business practices;
3. testing and evaluating the operating effectiveness of the controls; and
4. performing such other procedures as we considered necessary in the circumstances.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Relative effectiveness of controls

The relative effectiveness and significance of specific controls at GlobalSign NV/SA 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. We have performed no procedures to evaluate the effectiveness of controls at individual subscriber and relying party locations.

Inherent limitations

Because of the nature and inherent limitations of controls, GlobalSign NV/SA'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.

Opinion

In our opinion, throughout the period April 1, 2017 to March 31, 2018, GlobalSign NV/SA management's assertion, as referred to above, is fairly stated, in all material respects, in accordance

with the [Trust Services Principles and Criteria for Certification Authorities v2.0](#).

This report does not include any representation as to the quality of GlobalSign NV/SA's services beyond those covered by the [Trust Services Principles and Criteria for Certification Authorities v2.0](#), nor the suitability of any of GlobalSign NV/SA's services for any customer's intended purpose.

Use of the WebTrust seal

GlobalSign NV/SA'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 or provide any additional assurance.

Ernst & Young Bedrijfsrevisoren Bcvba

Christel Weymeersch, Partner

May 31, 2018

Appendix A – Certification Practice Statements and Certificate Policies in Scope

Certification Practice Statement	Begin Effective Date	End Effective Date
Version 8.4	02-Feb-17	06-Aug-17
Version 8.5	07-Aug-17	13-Dec-17
Version 8.6	14-Dec-17	02-Apr-18

Certificate Policy	Begin Effective Date	End Effective Date
Version 5.4	02-Feb-17	06-Aug-17
Version 5.5	07-Aug-17	13-Dec-17
Version 5.6	14-Dec-17	02-Apr-18

Appendix B – In-Scope CAs

Root CAs	SHA256 Hash
C = BE O = GlobalSign nv-sa OU = Root CA CN = GlobalSign Root CA	EB:D4:10:40:E4:BB:3E:C7:42:C9:E3:81:D3:1E:F2:A4:1A:48: B6:68:5C:96:E7:CE:F3:C1:DF:6C:D4:33:1C:99
OU = GlobalSign Root CA - R3 O = GlobalSign CN = GlobalSign	CB:B5:22:D7:B7:F1:27:AD:6A:01:13:86:5B:DF:1C:D4:10:2E: 7D:07:59:AF:63:5A:7C:F4:72:0D:C9:63:C5:3B
OU = GlobalSign ECC Root CA - R5 O = GlobalSign CN = GlobalSign	17:9F:BC:14:8A:3D:D0:0F:D2:4E:A1:34:58:CC:43:BF:A7:F5: 9C:81:82:D7:83:A5:13:F6:EB:EC:10:0C:89:24
OU = GlobalSign Root CA - R6 O = GlobalSign CN = GlobalSign	2C:AB:EA:FE:37:D0:6C:A2:2A:BA:73:91:C0:03:3D:25:98:29: 52:C4:53:64:73:49:76:3A:3A:B5:AD:6C:CF:69
C = BE O = GlobalSign nv-sa OU = Root CA CN = GlobalSign Root CA - R7	E9:5B:31:25:40:5E:0D:46:04:2D:55:AC:62:15:45:07:C6:78:E B:C3:60:76:57:85:FB:20:4A:F3:49:BF:E8:80
C = BE O = GlobalSign nv-sa OU = Root CA CN = GlobalSign Root CA - R8	AE:48:51:FF:42:03:9B:AD:E0:58:27:91:51:D8:26:83:04:1D:25 :98:E2:40:68:3C:C5:6D:76:FB:8C:F5:3D:42

Other CAs	SHA256 Hash
C = Statoil Qualified CA O = Statoil ASA - 923609016 C = NO	5E:29:7C:01:07:65:9C:80:68:CC:76:74:63:5E:56:F7:4D:05:B F:D6:E6:87:D3:07:5F:C4:8C:7E:8F:F7:0D:95
C = AlphaSSL CA - SHA256 - G2 O = AlphaSSL	93:3E:4A:2D:8D:B1:FF:9F:F0:E5:08:EA:7F:16:37:E0:74:F6:6 0:FE:6F:36:5A:22:33:DF:C2:B5:2C:88:9D:98
C = AlphaSSL CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	8C:24:10:F7:6B:14:9C:A0:62:B4:20:AB:61:1B:6B:F0:A0:6E:6 E:79:9A:29:58:7E:4D:4E:C1:6D:05:37:B7:EA
C = ATT Wi-Fi Services Root Certificate Authority G3 OU = ATT Wi-Fi Services O = ATT Services Inc S = Texas C = US	12:F3:C6:42:3F:95:C7:FF:C9:A9:70:67:FD:2D:95:3E:70:60:9 A:44:29:9C:A7:D4:58:C5:73:C6:3A:59:2E:66
C = ATT Wi-Fi Services Root Certificate Authority G3 OU = ATT Wi-Fi Services O = ATT Services Inc S = Texas C = US	27:13:C7:A3:21:05:C5:E7:40:18:46:5D:14:D5:1A:95:9C:8A:E F:C2:11:5E:1C:00:7A:6A:6B:4C:88:31:3B:C6
C = Cloudflare ECC DV CA O = Cloudflare, Inc. L = San Francisco S = CA C = US	0F:45:17:48:7F:D0:A8:BA:31:94:A6:12:24:50:A7:B3:2C:98:7F :FF:16:F2:D4:AF:54:E6:ED:B6:FE:D6:8E:08

C = Cloudflare RSA DV CA O = Cloudflare, Inc. L = San Francisco S = CA C = US	D4:39:F8:8E:8F:2F:80:A3:06:F9:10:DC:DE:54:8D:71:BB:FD: 99:A8:5F:C7:03:4E:FB:61:0E:37:49:55:09:32
C = GlobalSign CA for Adobe OU = GlobalSign CDS O = GlobalSign C = UK	16:C1:DA:02:B4:62:F5:B6:8B:F0:0B:7A:D9:D5:42:D6:67:F7:2 1:2A:19:F9:EF:56:B3:C7:07:08:86:89:94:7D
C = GlobalSign CodeSigning CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	A4:35:30:BE:A7:06:4D:E6:5A:8D:D1:F2:75:33:5D:3B:A2:32:2 D:9C:10:EC:68:20:D3:97:55:26:2D:03:F9:55
C = GlobalSign CodeSigning CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	FB:54:EE:A9:BC:E8:E9:EA:97:82:15:4F:3D:41:42:77:FB:70:9 F:49:B9:47:D7:39:78:AC:27:85:46:C2:CE:03
C = GlobalSign Domain Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	37:D0:80:A5:E9:A5:26:66:3E:56:EE:20:DE:4B:D9:F7:95:2D:A C:C3:41:49:14:39:08:01:67:AD:5D:D1:8C:AC
C = GlobalSign Domain Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	66:9E:77:27:A9:2B:E7:2D:97:18:E1:69:22:DC:1B:C1:49:2B:1 A:F3:3F:A4:79:3E:68:D8:77:8F:19:A2:EB:E0
C = GlobalSign ECC CloudSSL CA - SHA384 - G3 O = GlobalSign nv-sa C = BE	B0:CD:6A:E7:B9:E2:0E:C5:F8:30:FE:E0:1F:66:6D:5D:90:E6: E2:29:D0:6B:C4:6A:30:AC:CE:DF:EC:88:96:48
C = GlobalSign ECC HV S/MIME CA 1 O = GlobalSign nv-sa C = BE	E0:CE:5C:4E:F5:D2:18:69:63:D2:B0:4A:DE:46:12:BB:AF:78: 7E:16:04:8A:5B:46:8F:73:67:77:6C:3A:03:DE
C = GlobalSign Extended Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	5B:B2:38:2D:20:E0:9A:E5:6B:4F:3A:51:57:83:8F:7B:AE:49:E 4:2E:3C:E5:34:84:D6:6E:EB:2C:07:47:EF:4A
C = GlobalSign Organization Validated CA - SHA256 - G4 O = GlobalSign nv-sa C = BE	1E:17:41:A1:2E:B8:DA:2B:D7:6E:A9:6C:04:F5:20:35:98:39:7 1:0F:62:0E:80:95:2F:48:DD:02:40:A1:2C:D8
C = GlobalSign Organization Validated ECC CA - SHA256 - G4 O = GlobalSign nv-sa C = BE	65:EE:C0:CC:6C:97:0C:C1:CD:73:65:91:15:DC:8D:90:4E:6F: 12:E6:DC:8F:D4:DD:A3:9D:54:CB:30:22:47:80
C = GlobalSign Organization Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	1C:97:37:E9:68:AD:9D:FF:8D:8D:7F:CF:99:6A:14:4B:B9:78:5 1:A1:90:11:A0:19:0C:94:3C:AE:8D:43:CF:E0
C = GlobalSign Organization Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	0B:33:92:12:D7:CF:F1:7A:2C:59:E3:56:69:B5:8E:77:35:01:33 :75:0A:78:DA:94:04:77:0E:DD:47:0D:EF:76

C = GlobalSign PersonalSign 1 CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	F5:D2:D2:BA:68:17:A7:A9:AA:0E:21:35:4B:BF:0E:6F:95:C5: E2:87:EE:88:CF:2F:27:9F:0F:FE:C4:ED:AC:15
C = GlobalSign PersonalSign 2 CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	B7:78:74:8A:79:2B:8F:91:F0:4B:01:BA:FC:31:A3:1E:D7:EF:6 A:71:2A:FF:80:B6:61:0D:9A:AD:EE:20:7A:DF
C = GlobalSign PersonalSign 3 CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	70:1B:43:2A:C0:CD:D4:D9:CF:95:B4:B8:84:C3:2B:F5:CC:A9: 0D:44:E0:16:1A:BD:13:B9:34:D6:8E:38:04:72
C = GlobalSign Primary SHA256 CA for Adobe OU = GlobalSign CDS O = GlobalSign nv-sa C = BE	8B:8A:AA:67:E1:EB:06:73:03:F0:9E:17:A5:05:CE:7B:6C:A1: C8:DC:0E:1D:B5:9D:98:2B:57:9C:69:D6:44:E1
C = GlobalSign R6 Admin CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	C5:B6:79:10:69:58:15:2F:83:FB:58:86:DD:C4:1F:07:85:19:3E :F6:7C:69:75:BE:3E:50:9F:17:F2:9B:7A:86
C = GlobalSign SHA256 CA for Adobe OU = GlobalSign CDS O = GlobalSign nv-sa C = BE	10:27:E1:0A:C0:85:B2:DE:4F:9B:9F:1C:6F:2A:A9:7C:1F:9A: B0:57:CD:1B:E2:73:05:73:3D:C3:D9:AA:58:16
C = GlobalSign Timestamping CA - R3 O = GlobalSign OU = Timestamping CA	61:C1:06:70:83:AE:04:4E:F1:D6:49:CE:59:0B:BF:09:D9:D7:3 9:E0:25:DA:8D:19:5F:71:CF:AA:D6:EB:AE:69
C = Google S/MIME Authority S = California O = Google Inc C = US	6A:17:45:B3:11:76:FA:C2:84:42:0A:2B:CE:F6:7B:59:E2:2A:1 D:37:75:3A:BA:F2:CC:51:B2:F5:72:92:25:88
C = InComm Agent Solutions Inc Root Certificate Authority O = InComm Agent Solutions Inc S = Florida C = US	2A:5E:AD:8B:41:A7:CD:DC:12:6B:10:ED:24:8A:2E:EF:ED:A8 :55:66:03:42:F2:22:A3:8C:C6:60:5D:44:3E:22
C = JCAN Public CA1 - G4 OU = JCAN Public CA1 - G4 O = JIPDEC C = JP	7B:46:4D:C3:84:FD:B1:A5:25:C2:CC:27:9E:D0:C7:CF:AD:24: BE:CF:72:C4:6A:7D:70:93:D1:57:C2:17:60:7E
C = Liberty University External Issuing CA 01 O = Liberty University L = Lynchburg S = VA C = US	CA:00:5A:A7:5E:33:59:4B:D1:DE:DC:58:4E:1E:74:E5:19:8E: BB:1D:E8:89:29:ED:4F:3E:2E:9F:FC:E3:87:3B
C = Prodrive Technologies B.V. OV SSL Issuing CA O = Prodrive Technologies B.V. OU = IT Services L = Son S = Noord-Brabant C = NL	39:8B:14:99:CE:00:A2:5F:61:CA:C3:D8:BE:E5:71:60:18:80:8 2:3E:F2:88:BE:97:72:A4:D1:33:98:42:25:95

C = SignTrust Domain Verification CA - SHA256 - G2 O = SignTrust OU = SignTrust Domain Verification CA - SHA256 - G2	BE:CD:7B:1B:8C:68:07:A2:96:3B:3A:EE:9B:E6:0A:31:4E:BE:AF:3E:A4:C3:0A:F3:9B:7A:A6:C0:82:58:3C:E0
C = Statoil Qualified CA O = Statoil ASA - 923609016 C = NO	EB:DF:04:E3:2D:D5:DC:5C:67:7C:4F:9B:43:0A:E0:A0:5A:B1:0C:B9:BF:BB:E4:4D:7B:F8:B4:22:06:2E:7E:BF
CN = Accenture Federal Services External CA O = Accenture Federal Services LLC S = DE C = US	A9:C8:E9:71:25:9A:2E:D6:E6:5F:72:1E:07:AA:96:7C:72:C7:CD:B4:7C:7B:E1:28:8D:87:BF:08:D2:F3:58:0D
CN = AlphaSSL CA - G2 O = AlphaSSL	1D:CA:65:B8:6A:57:33:6B:A5:AF:B7:21:4A:36:F7:D6:ED:E6:98:EB:4F:03:38:7C:B3:AD:6B:BD:3A:93:BA:B6
CN = AlphaSSL CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	EE:79:36:43:19:94:74:ED:60:EF:DC:8C:CD:E4:D3:74:45:92:16:83:59:3A:A7:51:BB:F8:EE:49:1A:39:1E:97
CN = AlphaSSL CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	5A:81:7E:AD:A4:AD:78:73:4E:BB:2C:F6:74:35:2D:97:F4:35:22:90:C4:0E:AF:10:E7:64:B1:EA:C0:75:B0:E6
CN = AlphaSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	4C:01:3B:88:54:68:9C:B6:62:6C:C0:87:B4:D4:FC:CA:45:10:4E:2D:73:BF:AD:F3:3A:69:79:ED:12:4B:78:37
CN = Beame.io CA 1 O = Beame.io Ltd L = Tel Aviv-Jaffa S = Tel Aviv C = IL	43:26:39:13:B4:83:EB:6F:0B:02:05:40:F8:F7:BE:0A:1D:7C:9C:E7:65:2F:E0:FB:47:43:D7:21:33:93:55:1C
CN = Beame.io CA 2 O = Beame.io Ltd L = Tel Aviv-Jaffa S = Tel Aviv C = IL	CF:6E:6B:82:C9:97:CB:5C:C1:A5:50:66:AF:5F:60:CA:AC:77:59:4E:B1:06:FB:4D:49:8B:C5:0E:CD:EB:8A:3A
CN = CoSign by ARX CA O = ARX Inc. S = California C = US	74:0D:5E:17:B4:59:76:35:B5:E1:59:4F:BA:02:C2:B6:D0:7F:2E:47:31:A5:A9:10:91:E7:04:4A:81:7D:BD:B1
CN = Crown Prince Court CA O = Crown Prince Court L = Abu Dhabi S = Abu Dhabi C = AE	A0:13:3B:E5:B1:4E:02:31:0A:2D:4B:EA:B6:01:09:4F:11:94:EE:8B:D6:FD:29:DD:FE:7B:93:47:46:7C:2E:EC
CN = Crown Prince Court CA O = Crown Prince Court L = Abu Dhabi S = Abu Dhabi C = AE	BF:5E:DF:BE:EB:85:99:9C:51:69:CB:F3:F4:DB:63:B6:79:AD:2E:1E:22:72:FC:37:95:F9:F9:92:1E:6D:04:87

CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	BE:44:1E:EA:2B:79:50:00:C1:C1:33:AD:C3:2B:CE:6F:8D:3D: 20:1D:A7:13:F4:53:3A:E0:F6:A2:AC:96:28:8E
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	5A:40:55:35:C1:12:A0:A8:1A:F0:D2:AC:CA:3C:3F:9B:C1:A6: 77:58:6C:DB:C6:33:CB:4F:5F:77:8E:1A:35:50
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	23:A7:47:04:D7:7A:03:CF:D3:FF:19:E6:2C:50:08:48:21:4E:6 C:60:FD:2A:AE:F7:DC:E7:A8:F9:EE:9F:92:32
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	1C:94:2A:22:A0:16:A1:E5:55:9D:AE:77:EC:5C:E8:67:1F:98:A E:0B:A4:AC:2D:C2:59:41:8E:8E:1E:9F:94:AD
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	25:BA:CC:40:A5:39:2B:82:AA:DE:A0:49:03:90:5A:46:71:21:F 2:82:20:E6:F2:F7:E0:FE:98:2A:AF:C1:4F:A6
CN = DPDHL User CA I3 O = Deutsche Post DHL OU = IT Services L = Bonn S = Nordrhein-Westfalen C = DE	2C:47:FC:03:62:E2:73:20:BD:11:DF:56:89:D5:15:49:EF:B5:9 4:59:28:4F:E1:7F:F2:77:D9:E0:50:34:B7:84
CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	F6:73:F2:1F:1C:4B:CF:81:6A:96:F5:FD:61:41:66:B7:1F:48:F D:17:94:2D:9A:DF:62:7D:E4:90:10:FF:4D:C7
CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	12:CE:8B:62:05:5F:5C:E2:8A:D7:F5:57:18:85:40:D4:64:8A:0 0:CE:09:50:6C:03:9B:AD:B5:3E:33:B3:44:2C
CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	F0:37:62:14:05:E0:F3:56:50:7E:23:9F:AD:D6:47:84:2D:3B:50 :85:7C:3C:FF:84:08:59:17:4F:72:F6:FD:18

CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	2E:01:91:75:1C:A0:CB:A8:1C:3A:63:38:DE:E1:A0:2B:8D:6B: CC:4F:1F:82:61:B8:09:BC:CE:7A:BA:F1:A4:3D
CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	EB:E8:7B:B4:18:85:02:70:9F:44:40:55:25:9A:BB:22:BC:51:B 8:8C:90:84:19:A1:35:59:DF:C8:EF:66:30:D1
CN = EmblemHealth SHA256 CA - G3 O = EmblemHealth, Inc. S = New York C = US	4A:11:44:E6:B2:B1:E3:E2:B9:34:58:7B:07:42:1D:14:AF:3B:2 F:7F:79:25:4F:B0:2D:0A:D3:FE:67:D7:90:27
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	38:02:E4:24:51:6F:78:EE:AC:32:9A:AE:9B:1F:60:A4:12:DB:E 1:D5:B0:95:D7:AC:9D:C0:DC:DD:E3:C1:F5:FB
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	4C:24:1C:FE:3D:3F:FB:60:CA:88:D6:B0:6A:55:2A:B1:CF:0E: F7:D8:D2:E0:8D:A1:52:82:B5:51:92:EB:BD:29
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	CF:73:B5:2D:04:1B:73:09:B4:39:D1:62:47:41:4B:90:C9:D2:6 E:44:E3:87:48:A3:65:00:D5:82:9B:51:87:F9
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	3B:96:68:F5:9F:55:FA:38:38:FC:2A:3B:80:B7:F9:B5:B1:3D:1 A:46:F1:EA:A6:E0:BC:FF:04:C5:41:98:05:6C
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	71:93:06:D8:FE:2D:9A:B7:BD:17:D5:E2:11:E4:39:E5:0C:E3:5 B:47:1F:03:8B:7E:89:BA:09:8F:FA:5F:24:27
CN = Ford Motor Company – Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	36:25:D9:C4:82:CD:39:E0:DF:BE:8B:76:D7:54:4F:9F:C9:3B: 78:23:4B:5F:86:C6:CE:DE:28:35:EA:A5:96:A0

CN = Giesecke and Devrient CA OU = Corporate CA O = Giesecke and Devrient L = Munich C = DE	63:2F:D6:97:BA:CA:F1:ED:23:25:17:EC:9B:76:22:B7:C2:5E: 14:48:B0:CC:62:6B:33:28:67:19:E3:51:CE:8A
CN = Giesecke and Devrient CA OU = Corporate CA O = Giesecke and Devrient L = Munich C = DE	0F:7F:0A:51:DE:1E:5A:E3:E4:B3:66:47:AE:09:BA:59:E3:6C:7 7:3E:30:8D:C1:62:68:F4:22:8A:F5:27:D7:10
CN = GlobalSign 4096 Administration CA O = GlobalSign nv-sa C = BE	18:1B:85:15:19:D2:F1:C3:FE:BA:51:18:FF:49:D0:B6:4E:3C:4 D:56:73:D6:2A:C6:47:1C:44:69:52:2D:3A:E6
CN = GlobalSign CA 2 for AATL O = GlobalSign nv-sa C = BE	A1:38:20:A7:38:7B:DF:AD:20:44:63:EF:A9:21:64:16:63:9B:7 E:73:C3:1D:C2:F4:99:F5:3F:CD:4D:4D:25:C4
CN = GlobalSign CA 2 for AATL O = GlobalSign nv-sa C = BE	75:25:B1:84:0C:39:8E:29:5F:F3:AE:C5:A4:5B:D9:51:B6:15:E 9:AA:26:B8:90:31:9C:3B:F5:CB:A9:5F:24:41
CN = GlobalSign CA 3 for AATL O = GlobalSign nv-sa C = BE	AB:68:68:55:67:BF:68:81:9C:D1:63:93:3C:DE:F8:6B:CD:44:7 A:EB:21:40:4B:97:D9:DA:7B:57:C8:44:91:79
CN = GlobalSign CA 3 for AATL O = GlobalSign nv-sa C = BE	C0:19:63:05:90:70:CB:23:06:F4:B4:86:CC:F1:50:33:59:20:9E :98:49:9C:81:0C:2B:49:E2:6E:31:A4:BD:74
CN = GlobalSign CA for AATL - SHA256 - G2 O = GlobalSign nv-sa C = BE	AA:89:C4:66:E9:D0:68:82:C0:DA:AF:72:BE:0F:0F:BC:FE:7C: 1E:F2:AA:AD:19:06:40:C4:AD:44:F5:51:7F:34
CN = GlobalSign CA for AATL - SHA256 - G2 O = GlobalSign nv-sa C = BE	3A:AE:B2:6C:FC:AD:B7:78:14:E3:45:12:61:62:32:A6:87:D1:8 6:A8:43:03:AA:0C:8D:BB:E4:92:CE:BD:94:A1
CN = GlobalSign CA for AATL on HV O = GlobalSign nv-sa C = BE	BC:BD:04:D4:AE:D9:62:C9:D2:5A:FE:0C:FA:F8:63:8C:E1:43 :16:52:98:8E:C5:21:73:29:E7:55:9A:C3:C6:71
CN = GlobalSign CloudSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	4B:73:34:E1:D8:99:98:22:BA:FA:8F:F6:88:81:25:38:9B:18:A4 :E5:AB:26:FF:A6:24:C7:F6:8F:DC:81:F0:CB
CN = GlobalSign CloudSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	C2:E4:23:6D:B1:B7:57:B5:1B:77:92:13:88:EF:A8:23:E6:A6:0 0:FD:4B:DA:30:B6:3A:B7:78:86:F2:56:18:B7
CN = GlobalSign CloudSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	E1:55:EB:F9:63:34:E7:9A:E2:E2:87:D5:5C:FC:91:85:DE:24:9 3:5A:65:3F:13:C5:BA:05:AF:F8:18:77:1B:C6
CN = GlobalSign CloudSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	E0:C2:EB:D1:F6:BA:D4:FE:AA:E3:1A:31:07:E6:9A:BE:E9:02: DB:38:B9:DF:BE:33:F0:57:0B:DA:34:94:C2:0A

CN = GlobalSign CodeSigning CA - G2 O = GlobalSign nv-sa C = BE	17:84:39:CF:1D:0C:81:E7:F3:AE:C4:F1:19:3C:48:84:BE:F1:3 9:FE:0A:01:60:16:AA:7E:72:17:7A:E0:14:19
CN = GlobalSign CodeSigning CA - G3 O = GlobalSign nv-sa C = BE	40:47:C9:D6:92:60:C0:72:13:BC:B8:60:8A:7E:C5:E2:83:8A:5 6:B7:9F:67:84:78:12:EA:C0:77:8D:0D:27:F1
CN = GlobalSign CodeSigning CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	DC:0C:F9:A9:28:8B:75:A0:7B:EB:FC:44:26:9C:27:DF:DB:CE :5E:AD:00:DC:13:37:68:6C:FC:D1:8A:9B:C9:40
CN = GlobalSign Domain Validation CA - G2 O = GlobalSign nv-sa C = BE	E8:7E:A2:BE:D6:C6:20:3B:2C:55:B0:0F:E4:9D:28:76:FB:A6: 47:02:10:5A:EB:74:8B:86:5A:91:8B:5C:7D:27
CN = GlobalSign Domain Validation CA - G2 O = GlobalSign nv-sa C = BE	4E:15:3A:58:88:77:68:8F:1A:0C:10:3A:08:4C:2E:DB:3A:D1:D 8:C4:80:CF:03:D8:AB:6F:ED:47:D9:20:43:70
CN = GlobalSign Domain Validation CA - G2 O = GlobalSign nv-sa C = BE	BA:0E:2B:6B:F2:C9:8E:D2:C3:B1:C1:C0:8A:1B:BD:CA:F9:27 :0A:C5:28:A3:19:43:01:DD:2A:0B:6B:67:B9:B3
CN = GlobalSign Domain Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	BF:DF:4C:F3:F1:43:AD:0D:B9:12:D8:AB:3A:7C:12:F6:17:B9: EA:60:CE:8B:1F:4E:44:F7:42:70:FB:21:B1:9B
CN = GlobalSign Domain Validation CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	09:BC:1B:13:7C:03:12:39:EF:78:86:73:E9:4E:B1:7F:5F:3E:C A:B0:7D:3A:DB:FB:48:5E:75:AB:FA:AF:3B:9A
CN = GlobalSign EC Administration CA2 O = GlobalSign nv-sa C = BE	C8:83:B3:EC:C6:AC:0D:EE:75:CD:D5:85:E7:3A:20:92:87:BC :0C:9F:9D:79:D4:88:86:0F:63:E2:EA:8A:7D:2C
CN = GlobalSign ECC384 EV SSL CA - G3 O = GlobalSign nv-sa C = BE	15:54:91:87:49:03:14:F5:17:76:41:F0:BE:B3:26:34:AA:12:30: EB:2C:F2:C2:8A:D9:C7:39:14:FB:18:AB:A0
CN = GlobalSign ECC384 SSL CA - G3 O = GlobalSign nv-sa C = BE	DC:6C:44:AC:8A:3C:D5:C3:45:12:73:F4:43:15:26:B2:EF:66:6 0:62:EE:76:32:58:A9:28:F6:0B:D0:8E:39:FE
CN = GlobalSign Extended Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	24:F9:1C:07:05:A0:A5:33:86:41:B3:65:FB:0D:9D:97:09:B5:62 :97:CF:F1:85:7E:73:C0:2C:16:36:D4:86:AA
CN = GlobalSign Extended Validation CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	AE:D5:DD:9A:53:39:68:5D:FB:02:9F:6D:89:A1:43:35:A9:65:1 2:C3:CA:CC:52:B2:99:4A:F8:B6:B3:7F:A4:D2
CN = GlobalSign Extended Validation CodeSigning CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	14:97:8C:01:FE:AD:5C:D6:45:74:40:AD:D9:D1:DD:BA:B7:7D :23:8C:9A:2F:E2:24:EE:87:2B:24:7B:CF:FB:3C

CN = GlobalSign Extended Validation CodeSigning CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	DD:03:8E:87:E0:B4:D2:C3:69:68:0D:3D:E7:86:38:AB:39:FC: 1D:7E:50:63:29:96:92:11:01:76:8D:B8:D4:D8
CN = GlobalSign HV S/MIME CA 1 O = GlobalSign nv-sa C = BE	0F:8E:EF:EC:0D:1F:DB:DA:33:BF:EB:41:45:51:10:61:3C:C5: 68:1E:92:B4:BC:B9:56:10:DA:35:FE:1F:3C:66
CN = GlobalSign Organization Validation CA - G2 O = GlobalSign nv-sa C = BE	A6:64:22:C4:E4:49:D4:65:CB:02:3A:7F:C7:63:3D:E8:ED:18:1 6:98:5C:A4:10:93:FC:96:B3:66:3E:D7:A4:3B
CN = GlobalSign Organization Validation CA - G2 O = GlobalSign nv-sa C = BE	08:2B:24:30:47:BF:00:F5:84:40:1F:53:8B:50:4B:AE:9E:C0:60 :E0:07:FF:F2:8B:15:9C:08:41:70:68:65:4E
CN = GlobalSign Organization Validation CA - G2 O = GlobalSign nv-sa C = BE	A6:23:3E:CB:77:05:3F:72:93:7E:89:43:72:A6:01:ED:3A:BE:A 9:0C:C3:B5:D8:95:12:72:0B:F3:FF:CB:DC:9D
CN = GlobalSign Organization Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	74:EF:33:5E:5E:18:78:83:07:FB:9D:89:CB:70:4B:EC:11:2A:B D:23:48:7D:BF:F4:1C:4D:ED:50:70:F2:41:D9
CN = GlobalSign Organization Validation CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	69:9D:54:B7:48:2A:5D:32:93:31:EA:04:15:CC:2E:DC:D6:0F: DA:01:D1:9E:71:D0:54:19:6B:CE:06:77:73:5C
CN = GlobalSign PersonalSign 1 CA - G2 O = GlobalSign nv-sa C = BE	13:CB:F8:88:15:EF:41:E8:79:BE:DC:B8:B6:8E:75:E8:05:1A: A6:2F:CE:67:99:EE:A3:4B:D3:3D:34:3B:B3:2C
CN = GlobalSign PersonalSign 1 CA - G3 O = GlobalSign nv-sa C = BE	25:4B:E9:1C:1A:BC:B2:8D:B5:E4:D6:75:A2:9A:1E:78:84:60: B0:65:91:F1:BA:84:97:CB:D1:78:37:E2:7A:BE
CN = GlobalSign PersonalSign 1 CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	AE:BE:4D:E9:97:4A:87:0A:47:87:64:51:CA:30:54:C3:B3:C1: C9:C8:20:90:CD:FF:1E:FF:14:25:F2:79:55:74
CN = GlobalSign PersonalSign 2 CA - G2 O = GlobalSign nv-sa C = BE	16:EF:3B:95:DA:74:A0:72:C2:E4:94:E3:38:77:49:AB:07:45:1 E:D9:72:C0:2B:B8:F8:CA:33:02:0C:C8:90:55
CN = GlobalSign PersonalSign 2 CA - G2 O = GlobalSign nv-sa C = BE	CB:E2:1D:29:17:1A:BE:3A:64:49:49:81:AF:28:24:C0:77:B0:E 4:3C:93:B2:9A:65:35:AE:D3:C7:A5:B0:71:9D
CN = GlobalSign PersonalSign 2 CA - G3 O = GlobalSign nv-sa C = BE	64:E7:16:01:F7:05:09:21:DE:E0:39:C0:34:93:61:5E:48:8F:12: FC:3F:CE:CB:AD:F4:38:AA:46:7E:E1:D4:1A

CN = GlobalSign PersonalSign 2 CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	C0:21:E9:9B:C4:C8:6C:35:19:4B:51:A6:73:1C:B6:97:AA:0A:2 C:0D:33:2A:B8:5D:DE:56:F8:99:91:0E:3A:A9
CN = GlobalSign PersonalSign 2 CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	5C:0C:A0:3A:AA:04:D2:CE:FD:57:DB:1F:3B:17:31:3B:20:05: 62:17:58:71:E0:D7:53:31:C0:8E:2A:56:43:0C
CN = GlobalSign PersonalSign 3 CA - G2 O = GlobalSign nv-sa C = BE	2A:84:A5:79:8B:FB:DE:54:08:6F:00:BD:B6:8B:05:19:23:8E:E 7:F4:FA:86:D1:33:82:D9:B3:8B:B5:DE:27:A9
CN = GlobalSign PersonalSign 3 CA - G3 O = GlobalSign nv-sa C = BE	C2:28:D9:3D:BE:55:36:A1:20:AC:24:ED:93:44:67:BA:D7:29:2 F:8B:7E:B2:02:63:4B:17:07:0A:89:C5:FE:9B
CN = GlobalSign PersonalSign 3 CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	3B:20:D6:4E:D7:D2:F4:30:31:DE:E1:AE:84:7A:48:9B:6F:33:F 5:A2:8D:B7:FA:2B:09:B7:AE:F5:F7:7C:A1:4A
CN = GlobalSign PersonalSign Partners CA - G2 O = GlobalSign nv-sa C = BE	B2:AB:B9:07:6E:F2:03:AD:CB:56:B0:AC:B4:0C:27:52:62:C6: CF:E9:B7:A1:2A:BE:A7:C8:FA:57:77:3B:0D:0A
CN = GlobalSign PersonalSign Partners CA - G2 O = GlobalSign nv-sa C = BE	23:6B:8F:F6:CB:17:71:8D:9C:92:44:0B:D9:2C:69:2D:17:38:1 9:93:E5:79:11:83:43:C0:A5:5C:8D:BE:6C:1A
CN = GlobalSign PersonalSign Partners CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	11:82:62:C2:08:8E:E1:52:8E:20:D8:36:D2:07:08:54:70:7C:0D :8F:8E:80:FB:E3:96:F9:EC:D4:B9:14:1B:5B
CN = GlobalSign PersonalSign Partners CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	C8:F1:D6:91:B4:15:2C:26:03:3C:97:7F:E7:79:78:D9:C8:21:4 3:D4:6B:24:3B:9C:9B:A7:22:8E:00:0E:15:BB
CN = GlobalSign PersonalSign Partners CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	C6:47:C5:37:F7:E3:D2:80:94:8D:40:80:0A:EF:8F:53:42:54:F7 :4A:12:16:8E:36:30:E7:60:D7:16:75:BE:3B
CN = GlobalSign PersonalSign Partners CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	CF:9B:7E:F7:B4:37:F7:E4:70:9A:05:07:E5:C5:87:16:90:02:1 D:64:F3:B8:FC:E7:03:EC:85:C8:5A:E8:FA:29
CN = GlobalSign Timestamping CA - G2 O = GlobalSign nv-sa C = BE	C9:77:92:3C:77:1E:1A:66:C9:25:A2:B6:F5:01:73:2E:67:8D:C 9:88:7A:FE:6B:FA:AC:03:9D:1D:9A:71:F0:EC
CN = GlobalSign Timestamping CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	9B:F9:49:67:77:D1:44:25:ED:00:86:C1:BB:2C:07:07:B6:2A:6 1:C1:94:C5:16:2E:4F:07:63:7A:FF:16:6B:76

CN = GlobalSign Timestamping CA O = GlobalSign OU = Timestamping CA	D0:CA:E6:94:7B:C7:7F:0B:49:5C:A8:08:D6:CD:E6:85:FC:D2: 02:25:E1:E5:30:B6:35:B1:13:ED:40:72:8E:F3
CN = GlobalSign O = GlobalSign OU = GlobalSign Root CA - R3	FD:FC:65:60:B0:9C:23:7F:46:8B:81:30:EB:90:99:6F:F8:5F:A 1:3F:A2:66:23:9B:8D:58:63:79:8D:6A:B8:98
CN = GlobalSign O = GlobalSign OU = GlobalSign Root CA - R3	52:D6:00:74:D5:D0:E6:5F:08:0C:A3:CD:6A:31:BC:94:76:2F:2 6:58:3A:0A:99:A4:13:5A:CA:F9:4A:69:1D:A9
CN = GlobalSign O = GlobalSign OU = GlobalSign Root CA - R3	C9:4F:ED:DA:4E:86:08:90:85:80:BC:7F:87:B4:34:E0:3B:B2:6 2:E4:2F:64:C6:38:20:A8:F5:0F:B1:7C:1C:EC
CN = ICPEdu O = Rede Nacional de Ensino e Pesquisa - RNP OU = Gerencia de Servicos (GSer) L = Rio de Janeiro S = Rio de Janeiro C = BR	EA:CB:A6:C9:65:98:B4:A4:1F:D5:3D:69:AB:9E:D9:FB:BB:13: 81:15:4C:45:34:56:72:0C:17:4F:FE:57:6D:1D
CN = IHI E and C International O = IHI-EC International Corporation L = Houston S = Texas C = US	F4:90:F7:A7:F0:52:F7:B1:30:26:8F:CB:2B:E1:9A:41:32:C8:B 1:00:7F:09:D6:06:68:59:27:12:2E:E7:A8:3C
CN = IHI-EC International Corporation O = IHI-EC International Corporation L = Houston S = Texas C = US	57:57:92:53:27:40:80:58:5F:43:CF:DA:A3:D0:7A:28:A8:FB:C E:62:28:B5:2C:E3:A3:20:DE:CD:24:7C:F6:CE
CN = Intertek Document Signing Authority O = Intertek Group plc C = GB	6B:07:7A:68:35:41:DF:07:66:79:2A:EC:8B:53:CC:84:11:12:3 F:DD:20:F8:C2:E5:28:90:DF:75:20:1B:72:5F
CN = JCAN Public CA0 - G3 OU = JCAN Public CA0 - G3 O = JIPDEC C = JP	39:88:3A:FF:3D:0A:0A:40:1A:9B:84:C0:B8:30:B9:5A:FE:C8:2 A:F3:71:D9:DC:5D:02:19:EA:8A:3D:B4:CF:81
CN = JCAN Public CA1 - G3 OU = JCAN Public CA1 - G3 O = JIPDEC C = JP	91:E9:8D:09:47:C1:25:49:4E:AA:F2:A3:8D:08:7B:E0:78:1A:F 2:0D:8A:14:EE:8C:39:FE:CD:C4:82:CF:5F:82
CN = JCAN Sub Root CA0 OU = JCAN Sub Root CA0 O = JIPDEC C = JP	8F:A6:02:FF:F5:90:DF:58:3A:36:D5:09:C2:65:F6:C3:EA:8C:3 4:A9:D5:6C:FF:86:28:5F:BF:E9:93:6B:FC:55
CN = JCAN Sub Root CA0 OU = JCAN Sub Root CA0 O = JIPDEC C = JP	59:B6:9B:0D:E7:3B:02:09:A7:CE:14:6D:BC:EA:01:B0:96:E9: 25:13:47:7E:BE:60:40:9D:AC:E8:8B:6D:F7:D9

CN = NAESB Issuing CA - SHA256 - G2 O = GMO GlobalSign Inc. L = Portsmouth S = New Hampshire C = US	00:51:7E:8B:0D:54:53:62:FF:61:C9:86:C9:B3:16:28:0A:81:54 :85:1D:C4:67:6A:49:19:1D:DD:1C:7E:5B:A6
CN = NAESB Issuing CA - SHA256 - G2 O = GMO GlobalSign Inc. L = Portsmouth S = New Hampshire C = US	9F:F9:C8:90:70:90:B5:2D:BA:A5:73:B4:D2:5F:EE:86:73:D8:B 2:7C:72:24:5B:F2:FF:7E:95:54:3E:72:F5:CA
CN = NAESB Issuing CA - SHA384 - G3 O = GMO GlobalSign Inc. L = Portsmouth S = New Hampshire C = US	09:86:B5:A1:C7:31:4E:FB:04:FB:64:8B:9E:2B:57:CF:48:42:F D:1D:43:45:D2:8E:52:09:4C:90:A9:FE:CB:FE
CN = Noble Energy SHA256 CA - G2 O = Noble Energy, Inc. L = Houston S = Texas C = US	FA:51:FE:39:F0:F3:16:E9:24:12:E1:17:01:18:E2:D6:2A:8E:4 A:DA:0F:88:EC:23:7F:3C:E6:31:F7:0B:E2:98
CN = Noble Energy SHA256 CA - G2 O = Noble Energy, Inc. L = Houston S = Texas C = US	AD:49:54:41:62:13:AD:01:9D:53:FD:95:9B:1F:22:61:30:F2:C C:74:9C:CF:D4:3C:07:99:51:D8:AF:C7:BB:41
CN = NSW-DEC-ISS-CA1 O = NSW Department of Education and Communities L = Sydney S = NSW C = AU	FE:13:A3:85:20:62:DF:49:0F:8F:0D:ED:4D:B4:13:8D:2B:60:9 A:79:D4:ED:E4:31:05:EC:6D:89:5A:D6:F7:B6
CN = NSW-DEC-ISS-CA1 O = NSW Department of Education and Communities L = Sydney S = NSW C = AU	C7:68:21:31:79:F8:07:1B:FA:B3:94:15:B3:C0:91:12:97:C2:34 :6E:41:1E:20:0A:B6:79:12:94:8E:4C:99:D7
CN = Pos Digicert Issuing CA O = Pos Digicert Sdn Bhd OU = 457608-K L = Cyberjaya S = Selangor C = MY	52:50:AB:D4:3D:51:DE:F9:D5:EE:62:85:FE:F4:F1:A9:08:41:E 0:6B:F2:8E:2F:91:25:68:4D:3E:CC:A7:35:B2
CN = Qpay Inc Root Certificate Authority O = Qpay Inc S = Florida C = US	4A:EB:4B:57:0F:CE:52:83:0D:A6:FF:1A:3A:61:54:DD:13:3A: 88:42:71:C7:92:72:EC:F0:C0:C7:A3:31:65:30

CN = Qpay Inc Root Certificate Authority O = Qpay Inc S = Florida C = US	C8:93:B8:84:3F:1D:24:75:AE:23:B1:8E:36:1D:E2:BB:78:BE:9 9:0B:15:C7:8B:37:62:6B:15:AD:E9:EC:51:18
CN = RISE Signing CA O = RISE Research Institutes of Sweden AB OU = IT L = Goteborg S = Vastra Gotalands Lan C = SE	29:16:4F:9C:83:B4:80:C7:69:21:38:8D:2D:7A:35:D4:8C:49:6 5:F1:48:C2:30:3A:77:DE:55:33:04:53:14:31
CN = RTI SHA256 CA - G2 O = RTI International S = NC C = US	5F:7C:6E:60:41:DA:A5:13:CB:FE:3D:4E:07:FD:C8:4E:23:0D: A2:1A:F2:DE:18:64:60:C9:EC:04:81:51:6D:AB
CN = SignTrust Domain Verification CA - G2 O = SignTrust OU = SignTrust Domain Verification CA - G2	DA:C1:A5:1E:6A:44:08:8E:77:02:0C:A9:70:4C:36:12:41:FE:2 D:DC:42:F8:13:26:77:BA:5E:BB:BA:4D:0C:2C
CN = Soluti CA - DV O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A L = Goiânia S = Goiás C = BR	A7:4F:FF:F5:28:47:19:05:38:50:73:AD:F3:99:70:19:B2:6F:4F: AF:24:BC:E9:10:2A:27:2E:7A:44:84:E4:BC
CN = Soluti CA - EV O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A L = Goiânia S = Goiás C = BR	BB:17:0B:39:78:4D:02:78:43:25:CE:A9:38:D9:23:14:C6:17:D D:E8:08:C8:67:E3:3E:2A:D1:61:D5:4B:3E:8A
CN = Soluti CA - OV O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A L = Goiânia S = Goiás C = BR	E6:E9:29:C8:45:6C:01:4E:8D:A7:33:AC:E4:E9:81:45:52:27:2 B:81:17:60:50:A1:3E:A4:5A:82:32:00:B1:4B
CN = Southern Company External Issuing CA 1 O = Southern Company Services, Inc. L = Atlanta S = GA C = US	FB:95:3C:4F:C0:04:58:46:D0:24:91:C8:EC:CF:38:7B:A3:43:4 7:C1:7A:BB:0E:A6:D5:9F:6D:E4:D2:F1:EA:04
CN = Spirit AeroSystems SHA256 CA - G2 O = Spirit AeroSystems, Inc. S = KS C = US	86:09:BD:CE:F9:5E:4A:4D:42:64:97:B5:CD:8E:D4:B0:01:C9: 53:A5:C1:44:71:CA:AF:58:FB:65:0D:F8:AB:F0
CN = Statoil Qualified CA O = Statoil ASA - 923609016 C = NO	B6:BA:9C:02:A7:05:61:C3:99:4C:E0:94:AD:56:A7:87:EE:DD: 1A:61:A7:D4:AC:0C:D1:1B:64:B2:4E:F2:AE:13

CN = Statoil Qualified CA O = Statoil ASA - 923609016 C = NO	2A:48:08:10:31:0E:A0:CB:65:90:31:A2:0D:4E:4A:3C:10:00:E F:34:52:62:34:96:4F:DF:E9:C6:56:C4:5B:CD
CN = Touchtech Intermediate CA O = Touchtech Payments Limited L = Dublin C = IE	EF:5C:B9:F6:B5:2E:79:FC:BC:71:93:70:50:D1:1B:9D:7E:51:3 6:54:13:9B:22:7D:0F:F2:51:B2:50:56:1F:18
CN = Trafigura PTE DocuSign CA O = Trafigura PTE C = SG	0C:3B:69:67:2E:BA:BE:1F:96:CA:F3:CB:E5:98:F7:74:7C:01: F7:80:14:AF:65:11:91:95:0D:67:3F:D9:17:84
CN = Trafigura PTE DocuSign CA O = Trafigura PTE C = SG	B5:3A:B0:BB:FF:07:E6:CD:1A:2C:4F:AB:6B:30:76:86:EA:5C: 6C:82:1D:A8:46:70:72:7D:14:97:FE:BD:5A:6D
CN = Trusted Root CA G2 O = GlobalSign nv-sa OU = Trusted Root C = BE	6E:32:A3:5B:59:9E:90:87:BB:1A:B3:5C:E7:30:22:EC:2E:26:A F:34:BE:38:89:19:41:9C:95:70:0C:D8:E7:FB
CN = Trusted Root CA SHA256 G2 O = GlobalSign nv-sa OU = Trusted Root C = BE	01:FD:73:EF:5E:70:F5:26:FC:9C:11:F6:5F:E2:EE:6F:71:25:B 3:69:39:49:22:7F:FD:8E:45:9E:58:3C:45:8A
CN = Virginia Tech Global Qualified Server CA O = Virginia Polytechnic Institute and State University OU = Global Qualified Server CA L = Blacksburg S = Virginia C = US	B7:9E:63:78:23:6B:F5:B6:F0:C2:77:EC:C0:80:62:7E:F3:FE:2 8:71:28:1A:60:AC:42:7B:DB:6F:6A:E4:F7:94
CN = Virginia Tech Global Qualified Server CA O = Virginia Polytechnic Institute and State University OU = Global Qualified Server CA L = Blacksburg S = Virginia C = US	D4:D0:31:41:EC:A4:19:0D:93:BC:EE:47:81:AF:6F:2F:DF:0F: 65:34:A1:1B:ED:CC:F0:61:4F:4D:4B:17:57:53
CN = VWFS CA for AATL O = Volkswagen Financial Services (UK) Limited C = GB	CF:89:A4:1D:FE:E5:F7:17:40:DE:F6:02:73:5D:DB:F1:DE:BE: 0C:B8:16:D7:39:80:D9:A5:83:C5:88:1C:E7:78
O = TUI Nederland N.V. CN = TUI CA for CoSign C = NL	F8:5C:48:B1:36:3A:02:E2:9A:7B:5A:45:25:0C:C6:05:0F:95:7 9:33:8E:A3:E6:AE:76:F0:B3:61:1D:ED:C0:F2

Assertion of Management as to its Disclosure of its Business Practices and its Controls Over its Certification Authority Operations during the period of April 1, 2017 through March 31, 2018

May 31, 2018

Our Commitment to Security, Controls and Integrity:

GlobalSign NV/SA is committed to providing the highest level of security, controls, and integrity to support our certification authority branded "GlobalSign Certification Services" in accordance with its disclosed practices described in the Certification Practice Statement, enumerated in Appendix A. To that end, we have subjected our certification authority business practices to the WebTrust for Certification Authorities program.

Our Assertion With Respect to WebTrust for Certification Authorities

GlobalSign NV/SA operates its Certification Authority (CA) services, as enumerated in Appendix B, known as "GlobalSign Root CA" and "Adobe Certified Document Services CA" and which provide the following activities:

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

The management of GlobalSign NV/SA is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure in its repository, 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 provide only reasonable assurance with respect to GlobalSign NV/SA's CA operations. Furthermore because of changes in conditions, the effectiveness of controls may vary over time.

GlobalSign NV/SA management has assessed the disclosure of its certificate practices and its controls over its CA services. Based on that assessment, in GlobalSign NV/SA management's opinion, in providing its CA services known as GlobalSign Root CA and Adobe Certified Document Services at Japan, Singapore, the United Kingdom, during the period April 1, 2017 through March 31, 2018, GlobalSign NV/SA has:

- Disclosed its Business, Key Life Cycle Management, Certificate Life Cycle Management and CA Environment Control practices and provided such services in accordance with its disclosed practices in the applicable versions of its Certification Practice Statement and Certificate Policy, as enumerated in Appendix A.

- Maintained effective controls to provide reasonable assurance that:
  o GlobalSign NV/SA's applicable versions of its Certification Practice Statements are consistent with its Certificate Policies as enumerated in Appendix A
  o GlobalSign NV/SA provides its services in accordance with applicable versions of its Certificate Policies and Certification Practice Statements as enumerated in Appendix A

- Maintained effective controls to provide reasonable assurance that:
  o the integrity of keys and certificates it manages was established and protected throughout their lifecycles;
  o the integrity of subscriber keys and certificates it manages was established and protected throughout their lifecycles;
  o subscriber information was properly authenticated (for the registration activities performed by GlobalSign NV/SA); and
  o subordinate CA certificate requests were accurate, authenticated, and approved

- Maintained effective controls to provide reasonable assurance that:
  o logical and physical access to CA systems and data was restricted to authorized individuals;
  o the continuity of key and certificate management operations was maintained; and
  o CA systems development, maintenance, and operations were properly authorized and performed to maintain CA systems integrity

For the Root Keys listed in Appendix B, in accordance with the Trust Services Principles and Criteria for Certification Authorities v2.0, including the following:

CA Business Practices Disclosure
- Certification 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 & Environmental Security
- Operations Management
- System Access Management
- System Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

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

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 Suspension
- Certificate Validation

Subordinate CA Certificate Lifecycle Management Controls
- Subordinate CA Certificate Lifecycle Management

GlobalSign
Leuven, Belgium
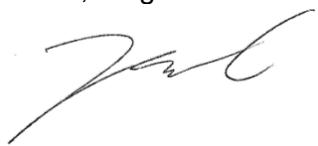
Koji Takenobu
Board member

Appendix A – Certification Practice Statements and Certificate Policies in Scope

Certification Practice Statement	Begin Effective Date	End Effective Date
Version 8.4	02-Feb-17	06-Aug-17
Version 8.5	07-Aug-17	13-Dec-17
Version 8.6	14-Dec-17	02-Apr-18

Certificate Policy	Begin Effective Date	End Effective Date
Version 5.4	02-Feb-17	06-Aug-17
Version 5.5	07-Aug-17	13-Dec-17
Version 5.6	14-Dec-17	02-Apr-18

Appendix B – In-Scope CAs

Root CAs	SHA256 Hash
C = BE O = GlobalSign nv-sa OU = Root CA CN = GlobalSign Root CA	EB:D4:10:40:E4:BB:3E:C7:42:C9:E3:81:D3:1E:F2:A4:1A:48: B6:68:5C:96:E7:CE:F3:C1:DF:6C:D4:33:1C:99
OU = GlobalSign Root CA - R3 O = GlobalSign CN = GlobalSign	CB:B5:22:D7:B7:F1:27:AD:6A:01:13:86:5B:DF:1C:D4:10:2E: 7D:07:59:AF:63:5A:7C:F4:72:0D:C9:63:C5:3B
OU = GlobalSign ECC Root CA - R5 O = GlobalSign CN = GlobalSign	17:9F:BC:14:8A:3D:D0:0F:D2:4E:A1:34:58:CC:43:BF:A7:F5: 9C:81:82:D7:83:A5:13:F6:EB:EC:10:0C:89:24
OU = GlobalSign Root CA - R6 O = GlobalSign CN = GlobalSign	2C:AB:EA:FE:37:D0:6C:A2:2A:BA:73:91:C0:03:3D:25:98:29: 52:C4:53:64:73:49:76:3A:3A:B5:AD:6C:CF:69
C = BE O = GlobalSign nv-sa OU = Root CA CN = GlobalSign Root CA - R7	E9:5B:31:25:40:5E:0D:46:04:2D:55:AC:62:15:45:07:C6:78:E B:C3:60:76:57:85:FB:20:4A:F3:49:BF:E8:80
C = BE O = GlobalSign nv-sa OU = Root CA CN = GlobalSign Root CA - R8	AE:48:51:FF:42:03:9B:AD:E0:58:27:91:51:D8:26:83:04:1D:25 :98:E2:40:68:3C:C5:6D:76:FB:8C:F5:3D:42

Other CAs	SHA256 Hash
C = Statoil Qualified CA O = Statoil ASA - 923609016 C = NO	5E:29:7C:01:07:65:9C:80:68:CC:76:74:63:5E:56:F7:4D:05:B F:D6:E6:87:D3:07:5F:C4:8C:7E:8F:F7:0D:95
C = AlphaSSL CA - SHA256 - G2 O = AlphaSSL	93:3E:4A:2D:8D:B1:FF:9F:F0:E5:08:EA:7F:16:37:E0:74:F6:6 0:FE:6F:36:5A:22:33:DF:C2:B5:2C:88:9D:98
C = AlphaSSL CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	8C:24:10:F7:6B:14:9C:A0:62:B4:20:AB:61:1B:6B:F0:A0:6E:6 E:79:9A:29:58:7E:4D:4E:C1:6D:05:37:B7:EA
C = ATT Wi-Fi Services Root Certificate Authority G3 OU = ATT Wi-Fi Services O = ATT Services Inc S = Texas C = US	12:F3:C6:42:3F:95:C7:FF:C9:A9:70:67:FD:2D:95:3E:70:60:9 A:44:29:9C:A7:D4:58:C5:73:C6:3A:59:2E:66
C = ATT Wi-Fi Services Root Certificate Authority G3 OU = ATT Wi-Fi Services O = ATT Services Inc S = Texas C = US	27:13:C7:A3:21:05:C5:E7:40:18:46:5D:14:D5:1A:95:9C:8A:E F:C2:11:5E:1C:00:7A:6A:6B:4C:88:31:3B:C6
C = Cloudflare ECC DV CA O = Cloudflare, Inc. L = San Francisco S = CA C = US	0F:45:17:48:7F:D0:A8:BA:31:94:A6:12:24:50:A7:B3:2C:98:7F :FF:16:F2:D4:AF:54:E6:ED:B6:FE:D6:8E:08

C = Cloudflare RSA DV CA O = Cloudflare, Inc. L = San Francisco S = CA C = US	D4:39:F8:8E:8F:2F:80:A3:06:F9:10:DC:DE:54:8D:71:BB:FD:99:A8:5F:C7:03:4E:FB:61:0E:37:49:55:09:32
C = GlobalSign CA for Adobe OU = GlobalSign CDS O = GlobalSign C = UK	16:C1:DA:02:B4:62:F5:B6:8B:F0:0B:7A:D9:D5:42:D6:67:F7:21:2A:19:F9:EF:56:B3:C7:07:08:86:89:94:7D
C = GlobalSign CodeSigning CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	A4:35:30:BE:A7:06:4D:E6:5A:8D:D1:F2:75:33:5D:3B:A2:32:2D:9C:10:EC:68:20:D3:97:55:26:2D:03:F9:55
C = GlobalSign CodeSigning CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	FB:54:EE:A9:BC:E8:E9:EA:97:82:15:4F:3D:41:42:77:FB:70:9F:49:B9:47:D7:39:78:AC:27:85:46:C2:CE:03
C = GlobalSign Domain Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	37:D0:80:A5:E9:A5:26:66:3E:56:EE:20:DE:4B:D9:F7:95:2D:AC:C3:41:49:14:39:08:01:67:AD:5D:D1:8C:AC
C = GlobalSign Domain Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	66:9E:77:27:A9:2B:E7:2D:97:18:E1:69:22:DC:1B:C1:49:2B:1A:F3:3F:A4:79:3E:68:D8:77:8F:19:A2:EB:E0
C = GlobalSign ECC CloudSSL CA - SHA384 - G3 O = GlobalSign nv-sa C = BE	B0:CD:6A:E7:B9:E2:0E:C5:F8:30:FE:E0:1F:66:6D:5D:90:E6:E2:29:D0:6B:C4:6A:30:AC:CE:DF:EC:88:96:48
C = GlobalSign ECC HV S/MIME CA 1 O = GlobalSign nv-sa C = BE	E0:CE:5C:4E:F5:D2:18:69:63:D2:B0:4A:DE:46:12:BB:AF:78:7E:16:04:8A:5B:46:8F:73:67:77:6C:3A:03:DE
C = GlobalSign Extended Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	5B:B2:38:2D:20:E0:9A:E5:6B:4F:3A:51:57:83:8F:7B:AE:49:E4:2E:3C:E5:34:84:D6:6E:EB:2C:07:47:EF:4A
C = GlobalSign Organization Validated CA - SHA256 - G4 O = GlobalSign nv-sa C = BE	1E:17:41:A1:2E:B8:DA:2B:D7:6E:A9:6C:04:F5:20:35:98:39:71:0F:62:0E:80:95:2F:48:DD:02:40:A1:2C:D8
C = GlobalSign Organization Validated ECC CA - SHA256 - G4 O = GlobalSign nv-sa C = BE	65:EE:C0:CC:6C:97:0C:C1:CD:73:65:91:15:DC:8D:90:4E:6F:12:E6:DC:8F:D4:DD:A3:9D:54:CB:30:22:47:80
C = GlobalSign Organization Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	1C:97:37:E9:68:AD:9D:FF:8D:8D:7F:CF:99:6A:14:4B:B9:78:51:A1:90:11:A0:19:0C:94:3C:AE:8D:43:CF:E0

C = GlobalSign Organization Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	0B:33:92:12:D7:CF:F1:7A:2C:59:E3:56:69:B5:8E:77:35:01:33:75:0A:78:DA:94:04:77:0E:DD:47:0D:EF:76
C = GlobalSign PersonalSign 1 CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	F5:D2:D2:BA:68:17:A7:A9:AA:0E:21:35:4B:BF:0E:6F:95:C5:E2:87:EE:88:CF:2F:27:9F:0F:FE:C4:ED:AC:15
C = GlobalSign PersonalSign 2 CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	B7:78:74:8A:79:2B:8F:91:F0:4B:01:BA:FC:31:A3:1E:D7:EF:6A:71:2A:FF:80:B6:61:0D:9A:AD:EE:20:7A:DF
C = GlobalSign PersonalSign 3 CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	70:1B:43:2A:C0:CD:D4:D9:CF:95:B4:B8:84:C3:2B:F5:CC:A9:0D:44:E0:16:1A:BD:13:B9:34:D6:8E:38:04:72
C = GlobalSign Primary SHA256 CA for Adobe OU = GlobalSign CDS O = GlobalSign nv-sa C = BE	8B:8A:AA:67:E1:EB:06:73:03:F0:9E:17:A5:05:CE:7B:6C:A1:C8:DC:0E:1D:B5:9D:98:2B:57:9C:69:D6:44:E1
C = GlobalSign R6 Admin CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	C5:B6:79:10:69:58:15:2F:83:FB:58:86:DD:C4:1F:07:85:19:3E:F6:7C:69:75:BE:3E:50:9F:17:F2:9B:7A:86
C = GlobalSign SHA256 CA for Adobe OU = GlobalSign CDS O = GlobalSign nv-sa C = BE	10:27:E1:0A:C0:85:B2:DE:4F:9B:9F:1C:6F:2A:A9:7C:1F:9A:B0:57:CD:1B:E2:73:05:73:3D:C3:D9:AA:58:16
C = GlobalSign Timestamping CA - R3 O = GlobalSign OU = Timestamping CA	61:C1:06:70:83:AE:04:4E:F1:D6:49:CE:59:0B:BF:09:D9:D7:39:E0:25:DA:8D:19:5F:71:CF:AA:D6:EB:AE:69
C = Google S/MIME Authority S = California O = Google Inc C = US	6A:17:45:B3:11:76:FA:C2:84:42:0A:2B:CE:F6:7B:59:E2:2A:1D:37:75:3A:BA:F2:CC:51:B2:F5:72:92:25:88
C = InComm Agent Solutions Inc Root Certificate Authority O = InComm Agent Solutions Inc S = Florida C = US	2A:5E:AD:8B:41:A7:CD:DC:12:6B:10:ED:24:8A:2E:EF:ED:A8:55:66:03:42:F2:22:A3:8C:C6:60:5D:44:3E:22
C = JCAN Public CA1 - G4 OU = JCAN Public CA1 - G4 O = JIPDEC C = JP	7B:46:4D:C3:84:FD:B1:A5:25:C2:CC:27:9E:D0:C7:CF:AD:24:BE:CF:72:C4:6A:7D:70:93:D1:57:C2:17:60:7E
C = Liberty University External Issuing CA 01 O = Liberty University L = Lynchburg S = VA C = US	CA:00:5A:A7:5E:33:59:4B:D1:DE:DC:58:4E:1E:74:E5:19:8E:BB:1D:E8:89:29:ED:4F:3E:2E:9F:FC:E3:87:3B

C = Prodrive Technologies B.V. OV SSL Issuing CA O = Prodrive Technologies B.V. OU = IT Services L = Son S = Noord-Brabant C = NL	39:8B:14:99:CE:00:A2:5F:61:CA:C3:D8:BE:E5:71:60:18:80:8 2:3E:F2:88:BE:97:72:A4:D1:33:98:42:25:95
C = SignTrust Domain Verification CA - SHA256 - G2 O = SignTrust OU = SignTrust Domain Verification CA - SHA256 - G2	BE:CD:7B:1B:8C:68:07:A2:96:3B:3A:EE:9B:E6:0A:31:4E:BE: AF:3E:A4:C3:0A:F3:9B:7A:A6:C0:82:58:3C:E0
C = Statoil Qualified CA O = Statoil ASA - 923609016 C = NO	EB:DF:04:E3:2D:D5:DC:5C:67:7C:4F:9B:43:0A:E0:A0:5A:B1: 0C:B9:BF:BB:E4:4D:7B:F8:B4:22:06:2E:7E:BF
CN = Accenture Federal Services External CA O = Accenture Federal Services LLC S = DE C = US	A9:C8:E9:71:25:9A:2E:D6:E6:5F:72:1E:07:AA:96:7C:72:C7:C D:B4:7C:7B:E1:28:8D:87:BF:08:D2:F3:58:0D
CN = AlphaSSL CA - G2 O = AlphaSSL	1D:CA:65:B8:6A:57:33:6B:A5:AF:B7:21:4A:36:F7:D6:ED:E6: 98:EB:4F:03:38:7C:B3:AD:6B:BD:3A:93:BA:B6
CN = AlphaSSL CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	EE:79:36:43:19:94:74:ED:60:EF:DC:8C:CD:E4:D3:74:45:92:1 6:83:59:3A:A7:51:BB:F8:EE:49:1A:39:1E:97
CN = AlphaSSL CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	5A:81:7E:AD:A4:AD:78:73:4E:BB:2C:F6:74:35:2D:97:F4:35:2 2:90:C4:0E:AF:10:E7:64:B1:EA:C0:75:B0:E6
CN = AlphaSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	4C:01:3B:88:54:68:9C:B6:62:6C:C0:87:B4:D4:FC:CA:45:10:4 E:2D:73:BF:AD:F3:3A:69:79:ED:12:4B:78:37
CN = Beame.io CA 1 O = Beame.io Ltd L = Tel Aviv-Jaffa S = Tel Aviv C = IL	43:26:39:13:B4:83:EB:6F:0B:02:05:40:F8:F7:BE:0A:1D:7C:9 C:E7:65:2F:E0:FB:47:43:D7:21:33:93:55:1C
CN = Beame.io CA 2 O = Beame.io Ltd L = Tel Aviv-Jaffa S = Tel Aviv C = IL	CF:6E:6B:82:C9:97:CB:5C:C1:A5:50:66:AF:5F:60:CA:AC:77: 59:4E:B1:06:FB:4D:49:8B:C5:0E:CD:EB:8A:3A
CN = CoSign by ARX CA O = ARX Inc. S = California C = US	74:0D:5E:17:B4:59:76:35:B5:E1:59:4F:BA:02:C2:B6:D0:7F:2 E:47:31:A5:A9:10:91:E7:04:4A:81:7D:BD:B1

CN = Crown Prince Court CA O = Crown Prince Court L = Abu Dhabi S = Abu Dhabi C = AE	A0:13:3B:E5:B1:4E:02:31:0A:2D:4B:EA:B6:01:09:4F:11:94:E E:8B:D6:FD:29:DD:FE:7B:93:47:46:7C:2E:EC
CN = Crown Prince Court CA O = Crown Prince Court L = Abu Dhabi S = Abu Dhabi C = AE	BF:5E:DF:BE:EB:85:99:9C:51:69:CB:F3:F4:DB:63:B6:79:AD: 2E:1E:22:72:FC:37:95:F9:F9:92:1E:6D:04:87
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	BE:44:1E:EA:2B:79:50:00:C1:C1:33:AD:C3:2B:CE:6F:8D:3D: 20:1D:A7:13:F4:53:3A:E0:F6:A2:AC:96:28:8E
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	5A:40:55:35:C1:12:A0:A8:1A:F0:D2:AC:CA:3C:3F:9B:C1:A6: 77:58:6C:DB:C6:33:CB:4F:5F:77:8E:1A:35:50
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	23:A7:47:04:D7:7A:03:CF:D3:FF:19:E6:2C:50:08:48:21:4E:6 C:60:FD:2A:AE:F7:DC:E7:A8:F9:EE:9F:92:32
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	1C:94:2A:22:A0:16:A1:E5:55:9D:AE:77:EC:5C:E8:67:1F:98:A E:0B:A4:AC:2D:C2:59:41:8E:8E:1E:9F:94:AD
CN = DPDHL TLS SHA2 CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	25:BA:CC:40:A5:39:2B:82:AA:DE:A0:49:03:90:5A:46:71:21:F 2:82:20:E6:F2:F7:E0:FE:98:2A:AF:C1:4F:A6
CN = DPDHL User CA I3 O = Deutsche Post DHL OU = IT Services L = Bonn S = Nordrhein-Westfalen C = DE	2C:47:FC:03:62:E2:73:20:BD:11:DF:56:89:D5:15:49:EF:B5:9 4:59:28:4F:E1:7F:F2:77:D9:E0:50:34:B7:84
CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	F6:73:F2:1F:1C:4B:CF:81:6A:96:F5:FD:61:41:66:B7:1F:48:F D:17:94:2D:9A:DF:62:7D:E4:90:10:FF:4D:C7

CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	12:CE:8B:62:05:5F:5C:E2:8A:D7:F5:57:18:85:40:D4:64:8A:0 0:CE:09:50:6C:03:9B:AD:B5:3E:33:B3:44:2C
CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	F0:37:62:14:05:E0:F3:56:50:7E:23:9F:AD:D6:47:84:2D:3B:50 :85:7C:3C:FF:84:08:59:17:4F:72:F6:FD:18
CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	2E:01:91:75:1C:A0:CB:A8:1C:3A:63:38:DE:E1:A0:2B:8D:6B: CC:4F:1F:82:61:B8:09:BC:CE:7A:BA:F1:A4:3D
CN = DPDHL User CA I3 O = Deutsche Post L = Bonn S = Nordrhein-Westfalen C = DE	EB:E8:7B:B4:18:85:02:70:9F:44:40:55:25:9A:BB:22:BC:51:B 8:8C:90:84:19:A1:35:59:DF:C8:EF:66:30:D1
CN = EmblemHealth SHA256 CA - G3 O = EmblemHealth, Inc. S = New York C = US	4A:11:44:E6:B2:B1:E3:E2:B9:34:58:7B:07:42:1D:14:AF:3B:2 F:7F:79:25:4F:B0:2D:0A:D3:FE:67:D7:90:27
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	38:02:E4:24:51:6F:78:EE:AC:32:9A:AE:9B:1F:60:A4:12:DB:E 1:D5:B0:95:D7:AC:9D:C0:DC:DD:E3:C1:F5:FB
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	4C:24:1C:FE:3D:3F:FB:60:CA:88:D6:B0:6A:55:2A:B1:CF:0E: F7:D8:D2:E0:8D:A1:52:82:B5:51:92:EB:BD:29
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	CF:73:B5:2D:04:1B:73:09:B4:39:D1:62:47:41:4B:90:C9:D2:6 E:44:E3:87:48:A3:65:00:D5:82:9B:51:87:F9

CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	3B:96:68:F5:9F:55:FA:38:38:FC:2A:3B:80:B7:F9:B5:B1:3D:1 A:46:F1:EA:A6:E0:BC:FF:04:C5:41:98:05:6C
CN = Ford Motor Company - Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	71:93:06:D8:FE:2D:9A:B7:BD:17:D5:E2:11:E4:39:E5:0C:E3:5 B:47:1F:03:8B:7E:89:BA:09:8F:FA:5F:24:27
CN = Ford Motor Company – Enterprise Issuing CA01 S = Michigan L = Dearborn O = Ford Motor Company C = US	36:25:D9:C4:82:CD:39:E0:DF:BE:8B:76:D7:54:4F:9F:C9:3B: 78:23:4B:5F:86:C6:CE:DE:28:35:EA:A5:96:A0
CN = Giesecke and Devrient CA OU = Corporate CA O = Giesecke and Devrient L = Munich C = DE	63:2F:D6:97:BA:CA:F1:ED:23:25:17:EC:9B:76:22:B7:C2:5E: 14:48:B0:CC:62:6B:33:28:67:19:E3:51:CE:8A
CN = Giesecke and Devrient CA OU = Corporate CA O = Giesecke and Devrient L = Munich C = DE	0F:7F:0A:51:DE:1E:5A:E3:E4:B3:66:47:AE:09:BA:59:E3:6C:7 7:3E:30:8D:C1:62:68:F4:22:8A:F5:27:D7:10
CN = GlobalSign 4096 Administration CA O = GlobalSign nv-sa C = BE	18:1B:85:15:19:D2:F1:C3:FE:BA:51:18:FF:49:D0:B6:4E:3C:4 D:56:73:D6:2A:C6:47:1C:44:69:52:2D:3A:E6
CN = GlobalSign CA 2 for AATL O = GlobalSign nv-sa C = BE	A1:38:20:A7:38:7B:DF:AD:20:44:63:EF:A9:21:64:16:63:9B:7 E:73:C3:1D:C2:F4:99:F5:3F:CD:4D:4D:25:C4
CN = GlobalSign CA 2 for AATL O = GlobalSign nv-sa C = BE	75:25:B1:84:0C:39:8E:29:5F:F3:AE:C5:A4:5B:D9:51:B6:15:E 9:AA:26:B8:90:31:9C:3B:F5:CB:A9:5F:24:41
CN = GlobalSign CA 3 for AATL O = GlobalSign nv-sa C = BE	AB:68:68:55:67:BF:68:81:9C:D1:63:93:3C:DE:F8:6B:CD:44:7 A:EB:21:40:4B:97:D9:DA:7B:57:C8:44:91:79
CN = GlobalSign CA 3 for AATL O = GlobalSign nv-sa C = BE	C0:19:63:05:90:70:CB:23:06:F4:B4:86:CC:F1:50:33:59:20:9E :98:49:9C:81:0C:2B:49:E2:6E:31:A4:BD:74

CN = GlobalSign CA for AATL - SHA256 - G2 O = GlobalSign nv-sa C = BE	AA:89:C4:66:E9:D0:68:82:C0:DA:AF:72:BE:0F:0F:BC:FE:7C: 1E:F2:AA:AD:19:06:40:C4:AD:44:F5:51:7F:34
CN = GlobalSign CA for AATL - SHA256 - G2 O = GlobalSign nv-sa C = BE	3A:AE:B2:6C:FC:AD:B7:78:14:E3:45:12:61:62:32:A6:87:D1:8 6:A8:43:03:AA:0C:8D:BB:E4:92:CE:BD:94:A1
CN = GlobalSign CA for AATL on HV O = GlobalSign nv-sa C = BE	BC:BD:04:D4:AE:D9:62:C9:D2:5A:FE:0C:FA:F8:63:8C:E1:43 :16:52:98:8E:C5:21:73:29:E7:55:9A:C3:C6:71
CN = GlobalSign CloudSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	4B:73:34:E1:D8:99:98:22:BA:FA:8F:F6:88:81:25:38:9B:18:A4 :E5:AB:26:FF:A6:24:C7:F6:8F:DC:81:F0:CB
CN = GlobalSign CloudSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	C2:E4:23:6D:B1:B7:57:B5:1B:77:92:13:88:EF:A8:23:E6:A6:0 0:FD:4B:DA:30:B6:3A:B7:78:86:F2:56:18:B7
CN = GlobalSign CloudSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	E1:55:EB:F9:63:34:E7:9A:E2:E2:87:D5:5C:FC:91:85:DE:24:9 3:5A:65:3F:13:C5:BA:05:AF:F8:18:77:1B:C6
CN = GlobalSign CloudSSL CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	E0:C2:EB:D1:F6:BA:D4:FE:AA:E3:1A:31:07:E6:9A:BE:E9:02: DB:38:B9:DF:BE:33:F0:57:0B:DA:34:94:C2:0A
CN = GlobalSign CodeSigning CA - G2 O = GlobalSign nv-sa C = BE	17:84:39:CF:1D:0C:81:E7:F3:AE:C4:F1:19:3C:48:84:BE:F1:3 9:FE:0A:01:60:16:AA:7E:72:17:7A:E0:14:19
CN = GlobalSign CodeSigning CA - G3 O = GlobalSign nv-sa C = BE	40:47:C9:D6:92:60:C0:72:13:BC:B8:60:8A:7E:C5:E2:83:8A:5 6:B7:9F:67:84:78:12:EA:C0:77:8D:0D:27:F1
CN = GlobalSign CodeSigning CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	DC:0C:F9:A9:28:8B:75:A0:7B:EB:FC:44:26:9C:27:DF:DB:CE :5E:AD:00:DC:13:37:68:6C:FC:D1:8A:9B:C9:40
CN = GlobalSign Domain Validation CA - G2 O = GlobalSign nv-sa C = BE	E8:7E:A2:BE:D6:C6:20:3B:2C:55:B0:0F:E4:9D:28:76:FB:A6: 47:02:10:5A:EB:74:8B:86:5A:91:8B:5C:7D:27
CN = GlobalSign Domain Validation CA - G2 O = GlobalSign nv-sa C = BE	4E:15:3A:58:88:77:68:8F:1A:0C:10:3A:08:4C:2E:DB:3A:D1:D 8:C4:80:CF:03:D8:AB:6F:ED:47:D9:20:43:70
CN = GlobalSign Domain Validation CA - G2 O = GlobalSign nv-sa C = BE	BA:0E:2B:6B:F2:C9:8E:D2:C3:B1:C1:C0:8A:1B:BD:CA:F9:27 :0A:C5:28:A3:19:43:01:DD:2A:0B:6B:67:B9:B3
CN = GlobalSign Domain Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	BF:DF:4C:F3:F1:43:AD:0D:B9:12:D8:AB:3A:7C:12:F6:17:B9: EA:60:CE:8B:1F:4E:44:F7:42:70:FB:21:B1:9B

CN = GlobalSign Domain Validation CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	09:BC:1B:13:7C:03:12:39:EF:78:86:73:E9:4E:B1:7F:5F:3E:C A:B0:7D:3A:DB:FB:48:5E:75:AB:FA:AF:3B:9A
CN = GlobalSign EC Administration CA2 O = GlobalSign nv-sa C = BE	C8:83:B3:EC:C6:AC:0D:EE:75:CD:D5:85:E7:3A:20:92:87:BC :0C:9F:9D:79:D4:88:86:0F:63:E2:EA:8A:7D:2C
CN = GlobalSign ECC384 EV SSL CA - G3 O = GlobalSign nv-sa C = BE	15:54:91:87:49:03:14:F5:17:76:41:F0:BE:B3:26:34:AA:12:30: EB:2C:F2:C2:8A:D9:C7:39:14:FB:18:AB:A0
CN = GlobalSign ECC384 SSL CA - G3 O = GlobalSign nv-sa C = BE	DC:6C:44:AC:8A:3C:D5:C3:45:12:73:F4:43:15:26:B2:EF:66:6 0:62:EE:76:32:58:A9:28:F6:0B:D0:8E:39:FE
CN = GlobalSign Extended Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	24:F9:1C:07:05:A0:A5:33:86:41:B3:65:FB:0D:9D:97:09:B5:62 :97:CF:F1:85:7E:73:C0:2C:16:36:D4:86:AA
CN = GlobalSign Extended Validation CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	AE:D5:DD:9A:53:39:68:5D:FB:02:9F:6D:89:A1:43:35:A9:65:1 2:C3:CA:CC:52:B2:99:4A:F8:B6:B3:7F:A4:D2
CN = GlobalSign Extended Validation CodeSigning CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	14:97:8C:01:FE:AD:5C:D6:45:74:40:AD:D9:D1:DD:BA:B7:7D :23:8C:9A:2F:E2:24:EE:87:2B:24:7B:CF:FB:3C
CN = GlobalSign Extended Validation CodeSigning CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	DD:03:8E:87:E0:B4:D2:C3:69:68:0D:3D:E7:86:38:AB:39:FC: 1D:7E:50:63:29:96:92:11:01:76:8D:B8:D4:D8
CN = GlobalSign HV S/MIME CA 1 O = GlobalSign nv-sa C = BE	0F:8E:EF:EC:0D:1F:DB:DA:33:BF:EB:41:45:51:10:61:3C:C5: 68:1E:92:B4:BC:B9:56:10:DA:35:FE:1F:3C:66
CN = GlobalSign Organization Validation CA - G2 O = GlobalSign nv-sa C = BE	A6:64:22:C4:E4:49:D4:65:CB:02:3A:7F:C7:63:3D:E8:ED:18:1 6:98:5C:A4:10:93:FC:96:B3:66:3E:D7:A4:3B
CN = GlobalSign Organization Validation CA - G2 O = GlobalSign nv-sa C = BE	08:2B:24:30:47:BF:00:F5:84:40:1F:53:8B:50:4B:AE:9E:C0:60 :E0:07:FF:F2:8B:15:9C:08:41:70:68:65:4E
CN = GlobalSign Organization Validation CA - G2 O = GlobalSign nv-sa C = BE	A6:23:3E:CB:77:05:3F:72:93:7E:89:43:72:A6:01:ED:3A:BE:A 9:0C:C3:B5:D8:95:12:72:0B:F3:FF:CB:DC:9D

CN = GlobalSign Organization Validation CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	74:EF:33:5E:5E:18:78:83:07:FB:9D:89:CB:70:4B:EC:11:2A:B D:23:48:7D:BF:F4:1C:4D:ED:50:70:F2:41:D9
CN = GlobalSign Organization Validation CA - SHA256 - G3 O = GlobalSign nv-sa C = BE	69:9D:54:B7:48:2A:5D:32:93:31:EA:04:15:CC:2E:DC:D6:0F: DA:01:D1:9E:71:D0:54:19:6B:CE:06:77:73:5C
CN = GlobalSign PersonalSign 1 CA - G2 O = GlobalSign nv-sa C = BE	13:CB:F8:88:15:EF:41:E8:79:BE:DC:B8:B6:8E:75:E8:05:1A: A6:2F:CE:67:99:EE:A3:4B:D3:3D:34:3B:B3:2C
CN = GlobalSign PersonalSign 1 CA - G3 O = GlobalSign nv-sa C = BE	25:4B:E9:1C:1A:BC:B2:8D:B5:E4:D6:75:A2:9A:1E:78:84:60: B0:65:91:F1:BA:84:97:CB:D1:78:37:E2:7A:BE
CN = GlobalSign PersonalSign 1 CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	AE:BE:4D:E9:97:4A:87:0A:47:87:64:51:CA:30:54:C3:B3:C1: C9:C8:20:90:CD:FF:1E:FF:14:25:F2:79:55:74
CN = GlobalSign PersonalSign 2 CA - G2 O = GlobalSign nv-sa C = BE	16:EF:3B:95:DA:74:A0:72:C2:E4:94:E3:38:77:49:AB:07:45:1 E:D9:72:C0:2B:B8:F8:CA:33:02:0C:C8:90:55
CN = GlobalSign PersonalSign 2 CA - G2 O = GlobalSign nv-sa C = BE	CB:E2:1D:29:17:1A:BE:3A:64:49:49:81:AF:28:24:C0:77:B0:E 4:3C:93:B2:9A:65:35:AE:D3:C7:A5:B0:71:9D
CN = GlobalSign PersonalSign 2 CA - G3 O = GlobalSign nv-sa C = BE	64:E7:16:01:F7:05:09:21:DE:E0:39:C0:34:93:61:5E:48:8F:12: FC:3F:CE:CB:AD:F4:38:AA:46:7E:E1:D4:1A
CN = GlobalSign PersonalSign 2 CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	C0:21:E9:9B:C4:C8:6C:35:19:4B:51:A6:73:1C:B6:97:AA:0A:2 C:0D:33:2A:B8:5D:DE:56:F8:99:91:0E:3A:A9
CN = GlobalSign PersonalSign 2 CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	5C:0C:A0:3A:AA:04:D2:CE:FD:57:DB:1F:3B:17:31:3B:20:05: 62:17:58:71:E0:D7:53:31:C0:8E:2A:56:43:0C
CN = GlobalSign PersonalSign 3 CA - G2 O = GlobalSign nv-sa C = BE	2A:84:A5:79:8B:FB:DE:54:08:6F:00:BD:B6:8B:05:19:23:8E:E 7:F4:FA:86:D1:33:82:D9:B3:8B:B5:DE:27:A9
CN = GlobalSign PersonalSign 3 CA - G3 O = GlobalSign nv-sa C = BE	C2:28:D9:3D:BE:55:36:A1:20:AC:24:ED:93:44:67:BA:D7:29:2 F:8B:7E:B2:02:63:4B:17:07:0A:89:C5:FE:9B
CN = GlobalSign PersonalSign 3 CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	3B:20:D6:4E:D7:D2:F4:30:31:DE:E1:AE:84:7A:48:9B:6F:33:F 5:A2:8D:B7:FA:2B:09:B7:AE:F5:F7:7C:A1:4A

CN = GlobalSign PersonalSign Partners CA - G2 O = GlobalSign nv-sa C = BE	B2:AB:B9:07:6E:F2:03:AD:CB:56:B0:AC:B4:0C:27:52:62:C6:CF:E9:B7:A1:2A:BE:A7:C8:FA:57:77:3B:0D:0A
CN = GlobalSign PersonalSign Partners CA - G2 O = GlobalSign nv-sa C = BE	23:6B:8F:F6:CB:17:71:8D:9C:92:44:0B:D9:2C:69:2D:17:38:19:93:E5:79:11:83:43:C0:A5:5C:8D:BE:6C:1A
CN = GlobalSign PersonalSign Partners CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	11:82:62:C2:08:8E:E1:52:8E:20:D8:36:D2:07:08:54:70:7C:0D:8F:8E:80:FB:E3:96:F9:EC:D4:B9:14:1B:5B
CN = GlobalSign PersonalSign Partners CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	C8:F1:D6:91:B4:15:2C:26:03:3C:97:7F:E7:79:78:D9:C8:21:43:D4:6B:24:3B:9C:9B:A7:22:8E:00:0E:15:BB
CN = GlobalSign PersonalSign Partners CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	C6:47:C5:37:F7:E3:D2:80:94:8D:40:80:0A:EF:8F:53:42:54:F7:4A:12:16:8E:36:30:E7:60:D7:16:75:BE:3B
CN = GlobalSign PersonalSign Partners CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	CF:9B:7E:F7:B4:37:F7:E4:70:9A:05:07:E5:C5:87:16:90:02:1D:64:F3:B8:FC:E7:03:EC:85:C8:5A:E8:FA:29
CN = GlobalSign Timestamping CA - G2 O = GlobalSign nv-sa C = BE	C9:77:92:3C:77:1E:1A:66:C9:25:A2:B6:F5:01:73:2E:67:8D:C9:88:7A:FE:6B:FA:AC:03:9D:1D:9A:71:F0:EC
CN = GlobalSign Timestamping CA - SHA256 - G2 O = GlobalSign nv-sa C = BE	9B:F9:49:67:77:D1:44:25:ED:00:86:C1:BB:2C:07:07:B6:2A:61:C1:94:C5:16:2E:4F:07:63:7A:FF:16:6B:76
CN = GlobalSign Timestamping CA O = GlobalSign OU = Timestamping CA	D0:CA:E6:94:7B:C7:7F:0B:49:5C:A8:08:D6:CD:E6:85:FC:D2:02:25:E1:E5:30:B6:35:B1:13:ED:40:72:8E:F3
CN = GlobalSign O = GlobalSign OU = GlobalSign Root CA - R3	FD:FC:65:60:B0:9C:23:7F:46:8B:81:30:EB:90:99:6F:F8:5F:A1:3F:A2:66:23:9B:8D:58:63:79:8D:6A:B8:98
CN = GlobalSign O = GlobalSign OU = GlobalSign Root CA - R3	52:D6:00:74:D5:D0:E6:5F:08:0C:A3:CD:6A:31:BC:94:76:2F:26:58:3A:0A:99:A4:13:5A:CA:F9:4A:69:1D:A9
CN = GlobalSign O = GlobalSign OU = GlobalSign Root CA - R3	C9:4F:ED:DA:4E:86:08:90:85:80:BC:7F:87:B4:34:E0:3B:B2:62:E4:2F:64:C6:38:20:A8:F5:0F:B1:7C:1C:EC

CN = ICPEdu O = Rede Nacional de Ensino e Pesquisa - RNP OU = Gerencia de Servicos (GSer) L = Rio de Janeiro S = Rio de Janeiro C = BR	EA:CB:A6:C9:65:98:B4:A4:1F:D5:3D:69:AB:9E:D9:FB:BB:13:81:15:4C:45:34:56:72:0C:17:4F:FE:57:6D:1D
CN = IHI E and C International O = IHI-EC International Corporation L = Houston S = Texas C = US	F4:90:F7:A7:F0:52:F7:B1:30:26:8F:CB:2B:E1:9A:41:32:C8:B1:00:7F:09:D6:06:68:59:27:12:2E:E7:A8:3C
CN = IHI-EC International Corporation O = IHI-EC International Corporation L = Houston S = Texas C = US	57:57:92:53:27:40:80:58:5F:43:CF:DA:A3:D0:7A:28:A8:FB:CE:62:28:B5:2C:E3:A3:20:DE:CD:24:7C:F6:CE
CN = Intertek Document Signing Authority O = Intertek Group plc C = GB	6B:07:7A:68:35:41:DF:07:66:79:2A:EC:8B:53:CC:84:11:12:3F:DD:20:F8:C2:E5:28:90:DF:75:20:1B:72:5F
CN = JCAN Public CA0 - G3 OU = JCAN Public CA0 - G3 O = JIPDEC C = JP	39:88:3A:FF:3D:0A:0A:40:1A:9B:84:C0:B8:30:B9:5A:FE:C8:2A:F3:71:D9:DC:5D:02:19:EA:8A:3D:B4:CF:81
CN = JCAN Public CA1 - G3 OU = JCAN Public CA1 - G3 O = JIPDEC C = JP	91:E9:8D:09:47:C1:25:49:4E:AA:F2:A3:8D:08:7B:E0:78:1A:F2:0D:8A:14:EE:8C:39:FE:CD:C4:82:CF:5F:82
CN = JCAN Sub Root CA0 OU = JCAN Sub Root CA0 O = JIPDEC C = JP	8F:A6:02:FF:F5:90:DF:58:3A:36:D5:09:C2:65:F6:C3:EA:8C:34:A9:D5:6C:FF:86:28:5F:BF:E9:93:6B:FC:55
CN = JCAN Sub Root CA0 OU = JCAN Sub Root CA0 O = JIPDEC C = JP	59:B6:9B:0D:E7:3B:02:09:A7:CE:14:6D:BC:EA:01:B0:96:E9:25:13:47:7E:BE:60:40:9D:AC:E8:8B:6D:F7:D9
CN = NAESB Issuing CA - SHA256 - G2 O = GMO GlobalSign Inc. L = Portsmouth S = New Hampshire C = US	00:51:7E:8B:0D:54:53:62:FF:61:C9:86:C9:B3:16:28:0A:81:54:85:1D:C4:67:6A:49:19:1D:DD:1C:7E:5B:A6
CN = NAESB Issuing CA - SHA256 - G2 O = GMO GlobalSign Inc. L = Portsmouth S = New Hampshire C = US	9F:F9:C8:90:70:90:B5:2D:BA:A5:73:B4:D2:5F:EE:86:73:D8:B2:7C:72:24:5B:F2:FF:7E:95:54:3E:72:F5:CA

CN = NAESB Issuing CA - SHA384 - G3 O = GMO GlobalSign Inc. L = Portsmouth S = New Hampshire C = US	09:86:B5:A1:C7:31:4E:FB:04:FB:64:8B:9E:2B:57:CF:48:42:F D:1D:43:45:D2:8E:52:09:4C:90:A9:FE:CB:FE
CN = Noble Energy SHA256 CA - G2 O = Noble Energy, Inc. L = Houston S = Texas C = US	FA:51:FE:39:F0:F3:16:E9:24:12:E1:17:01:18:E2:D6:2A:8E:4 A:DA:0F:88:EC:23:7F:3C:E6:31:F7:0B:E2:98
CN = Noble Energy SHA256 CA - G2 O = Noble Energy, Inc. L = Houston S = Texas C = US	AD:49:54:41:62:13:AD:01:9D:53:FD:95:9B:1F:22:61:30:F2:C C:74:9C:CF:D4:3C:07:99:51:D8:AF:C7:BB:41
CN = NSW-DEC-ISS-CA1 O = NSW Department of Education and Communities L = Sydney S = NSW C = AU	FE:13:A3:85:20:62:DF:49:0F:8F:0D:ED:4D:B4:13:8D:2B:60:9 A:79:D4:ED:E4:31:05:EC:6D:89:5A:D6:F7:B6
CN = NSW-DEC-ISS-CA1 O = NSW Department of Education and Communities L = Sydney S = NSW C = AU	C7:68:21:31:79:F8:07:1B:FA:B3:94:15:B3:C0:91:12:97:C2:34 :6E:41:1E:20:0A:B6:79:12:94:8E:4C:99:D7
CN = Pos Digicert Issuing CA O = Pos Digicert Sdn Bhd OU = 457608-K L = Cyberjaya S = Selangor C = MY	52:50:AB:D4:3D:51:DE:F9:D5:EE:62:85:FE:F4:F1:A9:08:41:E 0:6B:F2:8E:2F:91:25:68:4D:3E:CC:A7:35:B2
CN = Qpay Inc Root Certificate Authority O = Qpay Inc S = Florida C = US	4A:EB:4B:57:0F:CE:52:83:0D:A6:FF:1A:3A:61:54:DD:13:3A: 88:42:71:C7:92:72:EC:F0:C0:C7:A3:31:65:30
CN = Qpay Inc Root Certificate Authority O = Qpay Inc S = Florida C = US	C8:93:B8:84:3F:1D:24:75:AE:23:B1:8E:36:1D:E2:BB:78:BE:9 9:0B:15:C7:8B:37:62:6B:15:AD:E9:EC:51:18
CN = RISE Signing CA O = RISE Research Institutes of Sweden AB OU = IT L = Goteborg S = Vastra Gotalands Lan C = SE	29:16:4F:9C:83:B4:80:C7:69:21:38:8D:2D:7A:35:D4:8C:49:6 5:F1:48:C2:30:3A:77:DE:55:33:04:53:14:31

CN = RTI SHA256 CA - G2 O = RTI International S = NC C = US	5F:7C:6E:60:41:DA:A5:13:CB:FE:3D:4E:07:FD:C8:4E:23:0D: A2:1A:F2:DE:18:64:60:C9:EC:04:81:51:6D:AB
CN = SignTrust Domain Verification CA - G2 O = SignTrust OU = SignTrust Domain Verification CA - G2	DA:C1:A5:1E:6A:44:08:8E:77:02:0C:A9:70:4C:36:12:41:FE:2 D:DC:42:F8:13:26:77:BA:5E:BB:BA:4D:0C:2C
CN = Soluti CA - DV O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A L = Goiânia S = Goiás C = BR	A7:4F:FF:F5:28:47:19:05:38:50:73:AD:F3:99:70:19:B2:6F:4F: AF:24:BC:E9:10:2A:27:2E:7A:44:84:E4:BC
CN = Soluti CA - EV O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A L = Goiânia S = Goiás C = BR	BB:17:0B:39:78:4D:02:78:43:25:CE:A9:38:D9:23:14:C6:17:D D:E8:08:C8:67:E3:3E:2A:D1:61:D5:4B:3E:8A
CN = Soluti CA - OV O = SOLUTI - SOLUCOES EM NEGOCIOS INTELIGENTES S/A L = Goiânia S = Goiás C = BR	E6:E9:29:C8:45:6C:01:4E:8D:A7:33:AC:E4:E9:81:45:52:27:2 B:81:17:60:50:A1:3E:A4:5A:82:32:00:B1:4B
CN = Southern Company External Issuing CA 1 O = Southern Company Services, Inc. L = Atlanta S = GA C = US	FB:95:3C:4F:C0:04:58:46:D0:24:91:C8:EC:CF:38:7B:A3:43:4 7:C1:7A:BB:0E:A6:D5:9F:6D:E4:D2:F1:EA:04
CN = Spirit AeroSystems SHA256 CA - G2 O = Spirit AeroSystems, Inc. S = KS C = US	86:09:BD:CE:F9:5E:4A:4D:42:64:97:B5:CD:8E:D4:B0:01:C9: 53:A5:C1:44:71:CA:AF:58:FB:65:0D:F8:AB:F0
CN = Statoil Qualified CA O = Statoil ASA - 923609016 C = NO	B6:BA:9C:02:A7:05:61:C3:99:4C:E0:94:AD:56:A7:87:EE:DD: 1A:61:A7:D4:AC:0C:D1:1B:64:B2:4E:F2:AE:13
CN = Statoil Qualified CA O = Statoil ASA - 923609016 C = NO	2A:48:08:10:31:0E:A0:CB:65:90:31:A2:0D:4E:4A:3C:10:00:E F:34:52:62:34:96:4F:DF:E9:C6:56:C4:5B:CD
CN = Touchtech Intermediate CA O = Touchtech Payments Limited L = Dublin C = IE	EF:5C:B9:F6:B5:2E:79:FC:BC:71:93:70:50:D1:1B:9D:7E:51:3 6:54:13:9B:22:7D:0F:F2:51:B2:50:56:1F:18

CN = Trafigura PTE DocuSign CA O = Trafigura PTE C = SG	0C:3B:69:67:2E:BA:BE:1F:96:CA:F3:CB:E5:98:F7:74:7C:01: F7:80:14:AF:65:11:91:95:0D:67:3F:D9:17:84
CN = Trafigura PTE DocuSign CA O = Trafigura PTE C = SG	B5:3A:B0:BB:FF:07:E6:CD:1A:2C:4F:AB:6B:30:76:86:EA:5C: 6C:82:1D:A8:46:70:72:7D:14:97:FE:BD:5A:6D
CN = Trusted Root CA G2 O = GlobalSign nv-sa OU = Trusted Root C = BE	6E:32:A3:5B:59:9E:90:87:BB:1A:B3:5C:E7:30:22:EC:2E:26:A F:34:BE:38:89:19:41:9C:95:70:0C:D8:E7:FB
CN = Trusted Root CA SHA256 G2 O = GlobalSign nv-sa OU = Trusted Root C = BE	01:FD:73:EF:5E:70:F5:26:FC:9C:11:F6:5F:E2:EE:6F:71:25:B 3:69:39:49:22:7F:FD:8E:45:9E:58:3C:45:8A
CN = Virginia Tech Global Qualified Server CA O = Virginia Polytechnic Institute and State University OU = Global Qualified Server CA L = Blacksburg S = Virginia C = US	B7:9E:63:78:23:6B:F5:B6:F0:C2:77:EC:C0:80:62:7E:F3:FE:2 8:71:28:1A:60:AC:42:7B:DB:6F:6A:E4:F7:94
CN = Virginia Tech Global Qualified Server CA O = Virginia Polytechnic Institute and State University OU = Global Qualified Server CA L = Blacksburg S = Virginia C = US	D4:D0:31:41:EC:A4:19:0D:93:BC:EE:47:81:AF:6F:2F:DF:0F: 65:34:A1:1B:ED:CC:F0:61:4F:4D:4B:17:57:53
CN = VWFS CA for AATL O = Volkswagen Financial Services (UK) Limited C = GB	CF:89:A4:1D:FE:E5:F7:17:40:DE:F6:02:73:5D:DB:F1:DE:BE: 0C:B8:16:D7:39:80:D9:A5:83:C5:88:1C:E7:78
O = TUI Nederland N.V. CN = TUI CA for CoSign C = NL	F8:5C:48:B1:36:3A:02:E2:9A:7B:5A:45:25:0C:C6:05:0F:95:7 9:33:8E:A3:E6:AE:76:F0:B3:61:1D:ED:C0:F2