

## Report of Independent Accountants

S.C. certSIGN S.A.  
Bvl. Tudor Vladimirescu, nr. 29 A, AFI Tech Park 1  
Sector 5, Bucharest,  
ZIP 050881, Romania

We have examined the accompanying assertion<sup>1</sup> made by the management of S.C. certSIGN S.A., titled “Management’s Assertion Regarding the Effectiveness of Its Controls Over the Certification Authority Operations Based on the WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security v2.4.1” that provides its Certification Authority (CA) services at at Bvl. Tudor Vladimirescu, nr. 29 A, AFI Tech Park 1, Sector 5, Bucharest, Romania, CP 050881, Romania, throughout the period February 08, 2019 to February 07, 2020 for CAs as enumerated in Appendix A, S.C. certSIGN S.A. has:

- Disclosed its SSL certificate lifecycle management business practices in its:
  - S.C. certSIGN S.A. - CA’s Certification Practice Statements (Appendix B No.2 and No.3); and
  - S.C. certSIGN S.A. - Certificate Policy (Appendix B No.1), including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirements on the S.C. certSIGN S.A. website, and provided such services in accordance with its disclosed practices
- Maintained effective controls to provide reasonable assurance that:
  - The integrity of keys and SSL certificates it manages is established and protected throughout their lifecycles; and
  - SSL subscriber information is properly authenticated (for the registration activities performed by S.C. certSIGN S.A.)
- Maintained effective controls to provide reasonable assurance that:
  - Logical and physical access to CA systems and data is restricted to authorized individuals;
  - The continuity of key and certificate management operations is maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity
- Maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

based on the [WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security v2.4.1](#).

S.C. certSIGN S.A. management is responsible for its assertion and for specifying the aforementioned Criteria. Our responsibility is to express an opinion on management’s assertion based on our examination.

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<sup>1</sup> Hyperlink to management assertion

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants (AICPA). Those standards require that we plan and perform the examination to obtain reasonable assurance about whether management's assertion is fairly stated, in all material respects. An examination involves performing procedures to obtain evidence about management's assertion. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risks of material misstatement of management's assertion, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

The relative effectiveness and significance of specific controls at S.C. certSIGN S.A. 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.

Our examination was not conducted for the purpose of evaluating S.C. certSIGN S.A.'s cybersecurity risk management program. Accordingly, we do not express an opinion or any other form of assurance on its cybersecurity risk management program.

There are inherent limitations in the effectiveness of any system of internal control, including the possibility of human error and the circumvention of controls. Because of inherent limitations in its internal control, S.C. certSIGN S.A. may achieve reasonable, but not absolute assurance that all security events are prevented and, for those controls may provide reasonable, but not absolute assurance that its commitments and system requirements are achieved. 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.

Examples of inherent limitations of internal controls related to security include (a) vulnerabilities in information technology components as a result of design by their manufacturer or developer; (b) breakdown of internal control at a vendor or business partner; and (c) persistent attackers with the resources to use advanced technical means and sophisticated social engineering techniques specifically targeting the entity. Furthermore, the projection of any evaluations of effectiveness to future periods is subject to the risk that controls may become inadequate because of changes in conditions, that the degree of compliance with such controls may deteriorate, or that changes made to the system or controls, or the failure to make needed changes to the system or controls, may alter the validity of such evaluations.

In our opinion, S.C. certSIGN S.A.'s management's assertion referred to above is fairly stated, in all material respects, based on the aforementioned criteria. This report does not include any representation as to the quality of S.C. certSIGN S.A.'s CA services beyond those covered by the [WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security v2.4.1](#) criteria, or the suitability of any of S.C. certSIGN S.A.'s services for any customer's intended purpose.

Ernst & Young SRL  
April 30, 2020

## Appendix A

Root/Subordinate Name	Subject Key Identifier	Certificate Serial Number	SHA 256 fingerprint
C=RO, O=certSIGN, OU=certSIGN ROOT CA	E0:8C:9B:DB:25:49:B3:F1:7C:86:D6:B2:42:87:0B:D0:6B:A0:D9:E4	35210227249154 (0x200605167002)	<a href="#">EAA962C4FA4A6BAFEBE415196D351CCD888D4F53F3FA8AE6D7C466A94E6042BB</a>
C=RO, O=certSIGN, OU=certSIGN CA Class 2 G2, CN=certSIGN CA Class 2 G2	45:44:5B:06:21:AA:28:08:86:29:AE:09:CF:9D:42:7F:52:42:7B:19	20:06:05:16:70:03:10:ef:3c:9e:c6:d3:c4:f9:0d	<a href="#">35C0B8A577D11C94BA665E242DE45D6687522A531E391BB4D995D261F3829AB7</a>
C=RO, O=certSIGN, OU=certSIGN Qualified CA Class 3 G2, CN=certSIGN Qualified CA Class 3 G2	50:34:9E:53:76:B9:6D:D2:B7:0C:1E:90:83:75:5A:EE:CB:74:18:8A	20:06:05:16:70:03:11:54:9a:cd:82:9c:47:24:b7	<a href="#">C89C24B415A72C9409667E88FB5E6E92A38D5609C3C99E55D99B4B1D458990F9</a>
C=RO, O=certSIGN, OU=certSIGN Enterprise CA Class 3 G2, CN=certSIGN Enterprise CA Class 3 G2	F6:EB:98:9E:40:69:AB:48:60:9D:46:16:FF:9E:C0:3B:03:BA:9B:FD	20:06:05:16:70:03:0d:54:5d:c8:61:3c:f7:1a:c5	<a href="#">3B27DF9DD93C112AA08B062A6AE3973F7E79A5191D7E9B95D7081780E0D6ACEA</a>
C=RO, O=certSIGN, OU=certSIGN Code Signing CA Class 3 G2, CN=certSIGN Code Signing CA Class 3 G2	BB:A6:4E:76:6B:AA:84:70:13:C2:AA:7:E8:68:47:1D:68:C3:7E:3E:6F	20:06:05:16:70:03:15:a5:11:ae:66:b9:7e:f9:15	<a href="#">785854130B14F6F1EE9F984257ABABB6255B05A8DBEFB7680D33400AC28FE909</a>
C=RO, O=certSIGN, OU=certSIGN SSL DV CA Class 3 G2, CN=certSIGN SSL DV CA Class 3 G2	F5:DC:BB:FB:89:1E:CA:78:81:74:6C:B6:4A:6C:25:4D:54:81:7E:06	20:06:05:16:70:03:17:88:7a:0b:e0:d3:4a:c3:af	<a href="#">EA9A43515E138FF7782FCACDB9C7E8E1A61CFD1D17096ED5DDD1F400D02B03F5</a>
C=RO, O=certSIGN, OU=certSIGN SSL EV CA Class 3 G2, CN=certSIGN SSL EV CA Class 3 G2	36:3B:A2:9E:25:87:2A:0F:FD:9A:4A:3C:27:DA:CB:AA:7:79:C3:0C:7F	20:06:05:16:70:03:18:57:92:60:1a:cb:75:e1:27	<a href="#">7826DE1BE414E454CFCAE0D17B17FF0CAD12EE68CF487F357B38499E274B0171</a>
C=RO, O=certSIGN, OU=certSIGN Non-Repudiation CA Class 4 G2, CN=certSIGN Non-Repudiation CA Class 4 G2	3F:C1:34:9B:39:F6:65:DE:86:31:7D:AB:35:E8:19:73:95:DE:F0:55	20:06:05:16:70:03:12:43:f7:6e:5d:a8:5e:ac:f3	<a href="#">3003BF8853427C7B91023F7539853D987C58DC4E11BBE047D2A9305C01A6152C</a>
C=RO, O=certSIGN, OU=Certificat de productie Production certificate, CN=CERTSIGN FOR BANKING SIMPLE SSL PRODUCTION CA V3	20:21:13:32:CA:65:A9:4A:5B:65:F8:41:4E:1D:E3:FB:B5:5B:7F:60	20:06:05:16:70:03:14:cc:b6:a7:4f:43:ec:df:8d	<a href="#">CAE72F66D61AFB9A697338E8F5358D8071BAFA4AE4D2717C7E635FB5EA43D365</a>

C=RO, O=certSIGN, OU=Certificat de test Test certificate, CN=CERTSIGN FOR BANKING SIMPLE SSL TEST CA V3	57:78:BB:1E:39:F C:27:6C:A6:11:16 :5F:52:FA:86:0A: 8F:3F:02:63	20:06:05:16:70:0 3:0f:08:bd:2e:1e: 01:a4:73:c7	<a href="#">0AC2B6086EB10DB5576A3A1B8EB0E43A4082C1B7D832504FCBF95A4804D51834</a>
C=RO, O=certSIGN, OU=Certificat de productie Production certificate, CN=CERTSIGN FOR BANKING QUALIFIED DS PRODUCTION CA V3	A9:07:48:11:B8:B 2:95:A0:D5:72:F1 :2F:55:2B:98:7C: EC:2D:29:9E	20:06:05:16:70:0 3:13:89:95:fb:4f:b f:85:8b:cf	<a href="#">AA53452D589069EBD91423834FEC288A78ACC6A7B9D4D0F143D8C92E0B83D8E9</a>
C=RO, O=certSIGN, OU=Certificat de test Test certificate, CN=CERTSIGN FOR BANKING QUALIFIED DS TEST CA V3	40:C4:00:1E:25:3 3:BD:69:60:5E:21 :DB:D8:84:3D:E4: 0E:C5:C6:B8	20:06:05:16:70:0 3:0e:f4:d2:76:53:c 7:01:a2:0b	<a href="#">01379EB7B85F68EDC2465B42438097687EBE1EAE49319639BFB342EFC3CEFA1D</a>

## Appendix B

No.	The list of audited certificate practices and procedures	Document Links
1.	<b>Certification Policy certSIGN</b> Version 1.7 Date: 31 January, 2019	<a href="https://www.certsign.ro/media/document/bXBCT2FNWUR4b0ZrcDNjY09qYmRhdz09/original/CP_certsign_Law_v1.7_January_2019_rev_.pdf">https://www.certsign.ro/media/document/bXBCT2FNWUR4b0ZrcDNjY09qYmRhdz09/original/CP_certsign_Law_v1.7_January_2019_rev_.pdf</a>
2.	<b>Certification Practice Statement</b> Version 1.24 Date: 16 September, 2019	<a href="https://www.certsign.ro/media/document/VmczeXh4bIVZTEwyRVdsaE1mdGFLdz09/original/CPS_EN_Law_v1.24_September_2019.pdf">https://www.certsign.ro/media/document/VmczeXh4bIVZTEwyRVdsaE1mdGFLdz09/original/CPS_EN_Law_v1.24_September_2019.pdf</a>
3.	<b>Certification Practice Statement certSIGN SSL EV CA Class 3 for SSL EV Certificates</b> Version 1.4 Date: 31 January, 2019	<a href="https://www.certsign.ro/media/document/OXNkbFhIbDViYy9yWHV4YkFSUytsZz09/original/CPS_EV-v_1.4_Law_January_rev&amp;underscore_.pdf">https://www.certsign.ro/media/document/OXNkbFhIbDViYy9yWHV4YkFSUytsZz09/original/CPS_EV-v_1.4_Law_January_rev&amp;underscore_.pdf</a>
4.	<b>Certification Practice Statement certSIGN SSL DV CA Class 3 G2 for SSL DV certificates</b> Version 1.4 Date: 31 January, 2019	<a href="https://www.certsign.ro/media/document/NEZxZGh0RTdZUHdUUIFZYk1xdFZydz09/original/CPS%20DV-v%201.4%20Law_January%202019%20rev&amp;underscore_.pdf">https://www.certsign.ro/media/document/NEZxZGh0RTdZUHdUUIFZYk1xdFZydz09/original/CPS%20DV-v%201.4%20Law_January%202019%20rev&amp;underscore_.pdf</a>

**Management's Assertion Regarding the Effectiveness of Its Controls  
Over the Certification Authority Operations  
Based on the WebTrust Principles and Criteria for Certification Authorities – SSL  
Baseline with Network Security v2.4.1**

April 30, 2020

We, as management of S.C. certSIGN S.A., are responsible for operating a Certification Authority (CA) at Bvl. Tudor Vladimirescu, nr. 29 A, AFI Tech Park 1, Sector 5, Bucharest, Romania, CP 050881, Romania for the Root CA and Subordinate CAs in scope for SSL Baseline Requirements and Network Security Requirements listed at Appendix A.

Controls have inherent limitations, 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 S.C. certSIGN S.A.'s CA operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Management of S.C. certSIGN S.A. has assessed the disclosures of its certificate practices and controls over its SSL CA services. Based on that assessment, in providing its SSL Certification Authority (CA) services at Bvl. Tudor Vladimirescu, nr. 29 A, AFI Tech Park 1, Sector 5, Bucharest, Romania, CP 050881, Romania throughout the period from February 08, 2019 through February 07, 2020, S.C. certSIGN S.A. has:

- Disclosed its SSL certificate lifecycle management business practices in its:
  - S.C. certSIGN S.A. - CA's Certification Practice Statements (Appendix B No.2 and No.3); and
  - S.C. certSIGN S.A. - Certificate Policy (Appendix B No.1),including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirements on the S.C. certSIGN S.A. website, and provided such services in accordance with its disclosed practices
- Maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and SSL certificates it manages was established and protected throughout their lifecycles; and
  - SSL subscriber information was properly authenticated (for the registration activities performed by S.C. certSIGN S.A.)
- Maintained effective controls to provide reasonable assurance that:
  - Logical and physical access to CA systems and data was restricted to authorized individuals;
  - The continuity of key and certificate management operations was maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity
- Maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

for the Root CA and Subordinate CAs in scope for SSL Baseline Requirements and Network Security Requirements at Appendix A, based on the *WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security v2.4.1*.

Adrian FLOAREA, General Director  
S.C. certSIGN S.A.





## Appendix A

Root/Subordinate Name	Subject Key Identifier	Certificate Serial Number	SHA 256 fingerprint
C=RO, O=certSIGN, OU=certSIGN ROOT CA	E0:8C:9B:DB:25:49:B3:F 1:7C:86:D6:B2:42:87:0B: D0:6B:A0:D9:E4	35210227249154 (0x200605167002)	<a href="#">EAA962C4FA4A6BAFEBE41 5196D351CCD888D4F53F3F A8AE6D7C466A94E6042BB</a>
C=RO, O=certSIGN, OU=certSIGN CA Class 2 G2, CN=certSIGN CA Class 2 G2	45:44:5B:06:21:AA:28:08: 86:29:AE:09:CF:9D:42:7F :52:42:7B:19	20:06:05:16:70:03:10:ef:3 c:9e:c6:dc:4c:f9:0d	<a href="#">35C0B8A577D11C94BA665 E242DE45D6687522A531E3 91BB4D995D261F3829AB7</a>
C=RO, O=certSIGN, OU=certSIGN Qualified CA Class 3 G2, CN=certSIGN Qualified CA Class 3 G2	50:34:9E:53:76:B9:6D:D2 :B7:0C:1E:90:83:75:5A:E E:CB:74:18:8A	20:06:05:16:70:03:11:54: 9a:cd:82:9c:47:24:b7	<a href="#">C89C24B415A72C9409667E 88FB5E6E92A38D5609C3C9 9E55D99B4B1D458990F9</a>
C=RO, O=certSIGN, OU=certSIGN Enterprise CA Class 3 G2, CN=certSIGN Enterprise CA Class 3 G2	F6:EB:98:9E:40:69:AB:48 :60:9D:46:16:FF:9E:C0:3 B:03:BA:9B:FD	20:06:05:16:70:03:0d:54: 5d:c8:61:3c:f7:1a:c5	<a href="#">3B27DF9DD93C112AA08B0 62A6AE3973F7E79A5191D7 E9B95D7081780E0D6ACEA</a>
C=RO, O=certSIGN, OU=certSIGN Code Signing CA Class 3 G2, CN=certSIGN Code Signing CA Class 3 G2	BB:A6:4E:76:6B:AA:84:7 0:13:C2:A7:E8:68:47:1D: 68:C3:7E:3E:6F	20:06:05:16:70:03:15:a5: 11:ae:66:b9:7e:f9:15	<a href="#">785854130B14F6F1EE9F98 4257ABABB6255B05A8DBE FB7680D33400AC28FE909</a>
C=RO, O=certSIGN, OU=certSIGN SSL DV CA Class 3 G2, CN=certSIGN SSL DV CA Class 3 G2	F5:DC:BB:FB:89:1E:CA:7 8:81:74:6C:B6:4A:6C:25: 4D:54:81:7E:06	20:06:05:16:70:03:17:88: 7a:0b:e0:d3:4a:c3:af	<a href="#">EA9A43515E138FF7782FCA CDB9C7E8E1A61CFD1D170 96ED5DDD1F400D02B03F5</a>
C=RO, O=certSIGN, OU=certSIGN SSL EV CA Class 3 G2, CN=certSIGN SSL EV CA Class 3 G2	36:3B:A2:9E:25:87:2A:0F :FD:9A:4A:3C:27:DA:CB: A7:79:C3:0C:7F	20:06:05:16:70:03:18:57: 92:60:1a:cb:75:e1:27	<a href="#">7826DE1BE414E454CFCAE 0D17B17FF0CAD12EE68CF 487F357B38499E274B0171</a>
C=RO, O=certSIGN, OU=certSIGN Non-Repudiation CA Class 4 G2, CN=certSIGN Non-Repudiation CA Class 4 G2	3F:C1:34:9B:39:F6:65:DE :86:31:7D:AB:35:E8:19:7 3:95:DE:F0:55	20:06:05:16:70:03:12:43:f 7:6e:5d:a8:5e:ac:f3	<a href="#">3003BF8853427C7B91023F 7539853D987C58DC4E11BB E047D2A9305C01A6152C</a>
C=RO, O=certSIGN, OU=Certificat de productie Production certificate, CN=CERTSIGN FOR BANKING SIMPLE SSL PRODUCTION CA V3	20:21:13:32:CA:65:A9:4A :5B:65:F8:41:4E:1D:E3:F B:B5:5B:7F:60	20:06:05:16:70:03:14:cc:b 6:a7:4f:43:ec:df:8d	<a href="#">CAE72F66D61AFB9A697338 E8F5358D8071BAFA4AE4D 2717C7E635FB5EA43D365</a>
C=RO, O=certSIGN, OU=Certificat de test Test certificate, CN=CERTSIGN FOR BANKING SIMPLE SSL TEST CA V3	57:78:BB:1E:39:FC:27:6C :A6:11:16:5F:52:FA:86:0A :8F:3F:02:63	20:06:05:16:70:03:0f:08:b d:2e:1e:01:a4:73:c7	<a href="#">0AC2B6086EB10DB5576A3 A1B8EB0E4344082C1B7D83 2504FCBF95A4804D51834</a>
C=RO, O=certSIGN, OU=Certificat de productie Production certificate, CN=CERTSIGN FOR BANKING QUALIFIED DS PRODUCTION CA V3	A9:07:48:11:B8:B2:95:A0: D5:72:F1:2F:55:2B:98:7C :EC:2D:29:9E	20:06:05:16:70:03:13:89: 95:fb:4f:bf:85:8b:cf	<a href="#">AA53452D589069EBD91423 834FEC288A78ACC6A7B9D 4D0F143D8C92E0B83D8E9</a>
C=RO, O=certSIGN, OU=Certificat de test Test certificate, CN=CERTSIGN FOR BANKING QUALIFIED DS TEST CA V3	40:C4:00:1E:25:33:BD:69 :60:5E:21:DB:D8:84:3D:E 4:0E:C5:C6:B8	20:06:05:16:70:03:0e:f4:d 2:76:53:c7:01:a2:0b	<a href="#">01379EB7B85F68EDC2465B 42438097687EBE1EAE4931 9639BFB342EFC3CEFA1D</a>

## Appendix B

No.	The list of audited certificate practices and procedures	Document Links
1.	<b>Certification Policy certSIGN</b> Version 1.7 Date: 31 January, 2019	<a href="https://www.certsign.ro/media/document/bXBCT2FNWUR4b0ZrcDNjY09qYmRhdz09/original/CP_certSIGN_Law_v1.7_January_2019_rev_.pdf">https://www.certsign.ro/media/document/bXBCT2FNWUR4b0ZrcDNjY09qYmRhdz09/original/CP_certSIGN_Law_v1.7_January_2019_rev_.pdf</a>
2.	<b>Certification Practice Statement</b> Version 1.24 Date: 16 September, 2019	<a href="https://www.certsign.ro/media/document/VmczeXh4bIVZTEwyRVdsaE1mdGFLdz09/original/CPS_EN_Law_v1.24_September_2019.pdf">https://www.certsign.ro/media/document/VmczeXh4bIVZTEwyRVdsaE1mdGFLdz09/original/CPS_EN_Law_v1.24_September_2019.pdf</a>
3.	<b>Certification Practice Statement certSIGN SSL EV CA Class 3 for SSL EV Certificates</b> Version 1.4 Date: 31 January, 2019	<a href="https://www.certsign.ro/media/document/OXNkbFhbDViYy9yWHV4YkFSUytsZz09/original/CPS_EV-v_1.4_Law_January_rev&amp;underscore_.pdf">https://www.certsign.ro/media/document/OXNkbFhbDViYy9yWHV4YkFSUytsZz09/original/CPS_EV-v_1.4_Law_January_rev&amp;underscore_.pdf</a>
4.	<b>Certification Practice Statement certSIGN SSL DV CA Class 3 G2 for SSL DV certificates</b> Version 1.4 Date: 31 January, 2019	<a href="https://www.certsign.ro/media/document/NEZxZGh0RTdZUHdUUIFZYk1xdFZydz09/original/CPS%20DV-v%201.4%20Law_January%202019%20rev&amp;underscore_.pdf">https://www.certsign.ro/media/document/NEZxZGh0RTdZUHdUUIFZYk1xdFZydz09/original/CPS%20DV-v%201.4%20Law_January%202019%20rev&amp;underscore_.pdf</a>