# Independent Assurance Report

*To the Management of Certipost NV/SA, Verizon Terremark NV/SA, Zetes NV/SA, the Belgian Federal Public Service Policy and Support and the Belgian Home Affairs Federal Public Service, further "the Belgian Government Certification Authority":*

**Scope**

We have been engaged, in a reasonable assurance engagement, to report on the management assertions of the Belgian Government Certification Authority that for its Certification Authority (CA) operations in Belgium at Brussels, Diegem and Sint-Pieters-Leeuw, throughout the period from February 16, 2019 to February 15, 2020, for the following Root and for the Issuing CAs as referred to in the appendix II:

- Belgium Root CA 2 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 34 ba
- Belgium Root CA 2 (self-signed) with serial 2a ff be 9f a2 f0 e9 87
- Belgium Root CA 3 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 39 3e
- Belgium Root CA 3 (self-signed) with serial 3b 21 02 de 96 5b 1d a9
- Belgium Root CA 4 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 3d 26
- Belgium Root CA 4 (self-signed) with serial 4f 33 20 8c c5 94 bf 38

that the Belgian Government Certification Authority has:

- disclosed its SSL certificate lifecycle management business practices in its:

    - [Belgium Root CA certificate practice statement (version 3.02 d.d. 8 May 2019);](#)
    - [Citizen CA under Belgian Root CA 3 and 4 certificate practice statement (version 4.5 d.d. 28 October 2019);](#)
    - [Foreigner CA certificate practice statement (version 4.5 d.d. 28 October 2019);](#)

    including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirements on the Belgian Government Certification Authority's 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 the Belgian Government Certification Authority).

- 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.

And, for its Root and Issuing CAs in scope for Network Security Requirements:

- 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.

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security, Version 2.3](#).

The appendix to the management assertions includes a full overview of all certificate authorities in scope, including information designating which CAs did not issue certificates during the period from February 16, 2019 to February 15, 2020 and were maintained online to provide revocation status information only, and which CAs expired and were not renewed during the period from February 16, 2019 to February 15, 2020.

**Certification Authority responsibilities**

Management of the Belgian Government Certification Authority is responsible for its assertion, including the fairness of its presentation, and the provision of its described services in accordance with the [WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security, Version 2.3.](#)

**Our independence and quality control**

We have complied with the legal requirements in respect of auditor independence, particularly in accordance with the rules set down in articles 12, 13, 14, 16, 20, 28 and 29 of the Belgian Act of 7 December 2016 organising the audit profession and its public oversight of registered auditors and 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 behavior.

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 the Belgian Government Certification Authority's SSL certificate lifecycle management business practices, including its relevant controls over the issuance, renewal, and revocation of SSL certificates, and obtaining an understanding of the Belgian Government Certification Authority's network and certificate system security to meet the requirements set forth by the CA/Browser Forum;
2. selectively testing transactions executed in accordance with disclosed SSL certificate lifecycle management 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 the Belgian Government Certification Authority 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, the Belgian Government Certification Authority'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.

**Basis for qualified opinion**

During our procedures, we noted the following exceptions with regards to certificate profile and content:

- The subject: organizationName (OID: 2.5.4.10) field was not defined for both the self-signed and root-signed root BRCA certificates, and a subset of Issuing CA certificates (except for those Issuing CA certificates issued on or after November 28, 2016).

- For the subset of Issuing CA certificates where the subject:organizationName (OID: 2.5.4.10) field was present (except for those Issuing CA certificates issued on or after 12 May 2017), it was incorrectly used (referring to a repository URL), and the subject:localityName (OID:2.5.4.7) or subject:stateOrProvinceName (OID: 2.5.4.8) field was not present. One of these is required once the Subject organizationName (OID: 2.5.4.10) field is present.

- Issuing CA certificates (except for those issued on or after May 12, 2017) did not have the authorityInformationAccess extension set.

The above causes Principle 2 Criterion 2.3 and Principle 2 Criterion 2.4 of the WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security, Version 2.3, which read:

*Principle 2 Criterion 2.3 - The CA maintains controls to provide reasonable assurance that the extensions, key sizes, and certificate policy identifiers (including Reserved Certificate Policy Identifiers) of Root CA certificates generated conform to the Baseline Requirements.*

*Principle 2 Criterion 2.4 - The CA maintains controls to provide reasonable assurance that the extensions, key sizes, and certificate policy identifiers (including Reserved Certificate Policy Identifiers) of Subordinate CA certificates conform to the Baseline Requirements.*

to not be met.

**Qualified Opinion**

In our opinion, except for the matters described in the basis for qualified opinion section above, throughout the period from February 16, 2019 to February 15, 2020, the management assertions of the Belgian Government Certification Authority, as referred to above, are fairly stated, in all material respects, in accordance with the WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security, Version 2.3.

**Use of the WebTrust seal**

The Belgian Government Certification Authority's use of the WebTrust for Certification Authorities – SSL Baseline with Network Security Seal constitutes a symbolic representation of the contents of this report and it is not intended, nor should it be construed, to update this report or provide any additional assurance.

**Restriction on use and distribution**

This report does not include any representation as to the quality of the Belgian Government Certification Authority's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security, Version 2.3, nor the suitability of any of the Belgian Government Certification Authority's services for any customer's intended purpose.

Our report is intended solely for the Belgian Government Certification Authority to obtain and display the WebTrust Seal on its website after submitting the report to the related authority in connection with the WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security version 2.3, and may not be suitable for another purpose. This report is not intended to be, and should not be distributed to or used, for any other purpose.

Sint-Stevens-Woluwe, May 11, 2020
PwC Bedrijfsrevisoren bv
Represented by

Marc Daelman*

Partner

\* Marc Daelman bv, director, represented by its permanent representative Marc Daelman

**Appendix I – Management Assertions**

**Assertion of the Federal Public Service Policy and Support**

*May 11, 2020*

The Federal Public Service Policy and Support operates part of the Certification Authority (CA) services known as the "Belgian Government Certification Authority" for the following Root CAs:

- Belgium Root CA 2 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 34 ba
- Belgium Root CA 2 (self-signed) with serial 2a ff be 9f a2 f0 e9 87
- Belgium Root CA 3 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 39 3e
- Belgium Root CA 3 (self-signed) with serial 3b 21 02 de 96 5b 1d a9
- Belgium Root CA 4 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 3d 26
- Belgium Root CA 4 (self-signed) with serial 4f 33 20 8c c5 94 bf 38

as well for the Issuing CAs included in Appendix II, and provides SSL and non-SSL CA services.

The management of the Federal Public Service Policy and Support is responsible for establishing and maintaining effective controls over its SSL and non-SSL CA operations, including its network and certificate security system controls, its SSL CA business practices disclosure on its website, SSL key lifecycle management controls, and SSL 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 the Federal Public Service Policy and Support's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

The Federal Public Service Policy and Support management has assessed its controls over its SSL and non-SSL CA services. Based on that assessment, in the Federal Public Service Policy and Support management's opinion, in providing its SSL and non-SSL Certification Authority (CA) services at Brussels, Belgium, throughout the period February 16, 2019 to February 15, 2020, the Federal Public Service Policy and Support has:

- disclosed its SSL certificate lifecycle management business practices in its:
  - Belgium Root CA certificate practice statement
  including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirement on the Federal Public Service Policy and Support 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

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- SSL subscriber information is properly authenticated (for the registration activities performed by the Federal Public Service Policy and Support);

- 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, Version 2.3.

Federal Public Service Policy and Support
Brussels, Belgium

Signed by:      Ben Smeets
Function:       Directeur-generaal a.i. van het Directoraat Generaal Digitale Transformatie
May 11, 2020

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**Assertion of Certipost NV/SA**

*May 11, 2020*

Certipost NV/SA operates part of the Certification Authority (CA) services known as the "Belgian Government Certification Authority" for the following Root CAs:

- Belgium Root CA 2 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 34 ba
- Belgium Root CA 2 (self-signed) with serial 2a ff be 9f a2 f0 e9 87
- Belgium Root CA 3 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 39 3e
- Belgium Root CA 3 (self-signed) with serial 3b 21 02 de 96 5b 1d a9
- Belgium Root CA 4 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 3d 26
- Belgium Root CA 4 (self-signed) with serial 4f 33 20 8c c5 94 bf 38

as well as the Issuing CAs included in Appendix II, and provides SSL and non-SSL CA services.

The management of Certipost NV/SA is responsible for establishing and maintaining effective controls over its SSL and non-SSL CA operations, including its network and certificate security system controls, its SSL CA business practices disclosure on its website, SSL key lifecycle management controls, and SSL 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 Certipost NV/SA's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Certipost NV/SA management has assessed its controls over its SSL and non-SSL CA services. Based on that assessment, in Certipost NV/SA management's opinion, in providing its SSL and non-SSL Certification Authority (CA) services at Brussels, Belgium, throughout the period February 16, 2019 to February 15, 2020, Certipost NV/SA has:

- disclosed its SSL certificate lifecycle management business practices in its:
    - Citizen CA under Belgian Root CA 3 and 4 certificate practice statement
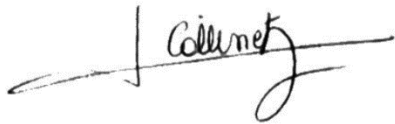    - Foreigner CA certificate practice statement
    including its commitment to provide SSL certificates in conformity with the CA/Browser Forum
    Requirement on the Certipost NV/SA website, and provided such services in accordance with its disclosed practices.

- 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 Certipost NV/SA);

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- 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, Version 2.3.

Certipost NV
Brussels, Belgium

Signed by: Diana Collinet
Function: Sales Director Public.
May 11, 2020

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## Assertion of the Belgian Home Affairs Federal Public Service

*May 11, 2020*

The Belgian Home Affairs Federal Public Service (further "FPS Home Affairs") operates part of the Certification Authority (CA) services known as the "Belgian Government Certification Authority" for the following Root CAs:

- Belgium Root CA 2 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 34 ba
- Belgium Root CA 2 (self-signed) with serial 2a ff be 9f a2 f0 e9 87
- Belgium Root CA 3 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 39 3e
- Belgium Root CA 3 (self-signed) with serial 3b 21 02 de 96 5b 1d a9
- Belgium Root CA 4 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 3d 26
- Belgium Root CA 4 (self-signed) with serial 4f 33 20 8c c5 94 bf 38

as well as for the Issuing CAs included in Appendix II, and provides SSL and non-SSL CA services.

The management of FPS Home Affairs is responsible for establishing and maintaining effective controls over its SSL and non-SSL CA operations, including its network and certificate security system controls, SSL key lifecycle management controls, and SSL 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 FPS Home Affairs' Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

FPS Home Affairs management has assessed its controls over its SSL and non-SSL CA services. Based on that assessment, in FPS Home Affairs management's opinion, in providing its SSL and non-SSL Certification Authority (CA) services at Brussels, Belgium, throughout the period February 16, 2019 to February 15, 2020, FPS Home Affairs has:

- 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 FPS Home Affairs);

- 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, Version 2.3.

FPS Home Affairs
Brussels, Belgium

Signed by: Jacques WIRTZ
Function: Director General
May 11, 2020

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**Assertion of Verizon Terremark NV/SA**

*May 11, 2020*

Verizon Terremark NV/SA operates part of the Certification Authority (CA) services known as the "Belgian Government Certification Authority" for the following Root CAs:

- Belgium Root CA 2 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 34 ba
- Belgium Root CA 2 (self-signed) with serial 2a ff be 9f a2 f0 e9 87
- Belgium Root CA 3 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 39 3e
- Belgium Root CA 3 (self-signed) with serial 3b 21 02 de 96 5b 1d a9
- Belgium Root CA 4 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 3d 26
- Belgium Root CA 4 (self-signed) with serial 4f 33 20 8c c5 94 bf 38

as well as the Issuing CAs included in Appendix II, and provides SSL and non-SSL CA services.

The management of Verizon Terremark NV/SA is responsible for establishing and maintaining effective controls over its SSL and non-SSL CA operations, including its network and certificate security system controls, SSL key lifecycle management controls, and SSL 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 Verizon Terremark NV/SA's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Verizon Terremark NV/SA management has assessed its controls over its SSL and non-SSL CA services. Based on that assessment, in Verizon Terremark NV/SA management's opinion, in providing its SSL and non-SSL Certification Authority (CA) services at Brussels, Belgium, throughout the period February 16, 2019 to February 15, 2020, Verizon Terremark NV/SA has:

- 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 Verizon Terremark NV/SA);

- 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, Version 2.3](#).

Verizon Terremark NV/SA
Diegem, Belgium

Signed by: Bruce Biesecker
Function: Director, Network & Information Security
May 11, 2020

**Assertion of Zetes NV/SA**

*May 11, 2020*

Zetes NV/SA operates part of the Certification Authority (CA) services known as the "Belgian Government Certification Authority" for the following Root CAs:

- Belgium Root CA 2 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 34 ba
- Belgium Root CA 2 (self-signed) with serial 2a ff be 9f a2 f0 e9 87
- Belgium Root CA 3 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 39 3e
- Belgium Root CA 3 (self-signed) with serial 3b 21 02 de 96 5b 1d a9
- Belgium Root CA 4 (root-signed) with serial 04 00 00 00 00 01 41 a1 e1 3d 26
- Belgium Root CA 4 (self-signed) with serial 4f 33 20 8c c5 94 bf 38

as well as for the Issuing CAs included in Appendix II, and provides SSL and non-SSL CA services.

The management of Zetes NV/SA is responsible for establishing management controls. These controls contain monitoring mechanisms, and actions are taken to correct deficiencies identified.

Scope of the above is (hereafter the CA services):
- Key pair generation on the chip
- Secure storage of the private key
- Personalisation of the eID card (including storing the correct certificate on the correct card)
- Distribution of the card to the subscriber
- Secure creation, printing and distribution of the pin and puk 1 code to the subject.

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 Zetes NV/SA's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Zetes NV/SA management has assessed its controls over its SSL and non-SSL CA services. Based on that assessment, in Zetes NV/SA at Brussels, Belgium, throughout the period February 16, 2019 to February 15, 2020, Zetes NV/SA has:

- 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 Home Affairs FPS);

- 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, Version 2.3.

Zetes NV/SA
Brussels, Belgium

Signed by:     Alain Wirtz
Function:       Managing Director
May 11, 2020

**Appendix II – Overview of Root and Issuing CAs**

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **Belgium Root CA 2 RootSigned** | 04000000000141A1E134BA | CFFA9C01EC59C29E718D0DD0EF5479F09B51C95780 AFB7BD69D3C8054AFE4D28 | CA does not issue end-entity certificates. |
| **Belgium Root CA 2 Self-Signed** | 2AFFBE9FA2F0E987 | 9F9744463BE13714754E1A3BECF98C08CC205E4AB3 2028F4E2830C4A1B2775B8 | CA does not issue end-entity certificates. |
| **Belgium Root CA 3 RootSigned** | 04000000000141A1E1393E | F75A4D49A52B043FC7324B8F263AC8A9B7BD22A32 8868588BDFC937D3C396EB6 | CA does not issue end-entity certificates. |
| **Belgium Root CA 3 Self-Signed** | 3B2102DE965B1DA9 | A8D14E945E3E5156BCAE5E39737CF6A1B1F51028BB BF982F50CE5F4C05568B4D | CA does not issue end-entity certificates. |
| **Belgium Root CA 4 Root Signed** | 04000000000141A1E13D26 | 8460CCAEA91B0E805AB51C7CD46DDF2E8C1C49480 6D88B1FE2ED313D1D487E2E | CA does not issue end-entity certificates. |
| **Belgium Root CA 4 Self-Signed** | 4F33208CC594BF38 | 702DD5C1A093CF0A9D71FADD9BF9A7C5857D89FB7 3B716E867228B3C2BEB968F | CA does not issue end-entity certificates. |
| **CitizenCA-201301** | 371BA04C076D2DA71F96262BA4C22C93 | 58EF50CE2E471D0857D906D449D2515494C5C2B938 E808603F7731A5F6A493BD | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201302** | 64066C758B823BA7115162F5EE38C7C5 | 7FCF262FFAE73CFDB6C66E8E08204117B9085BEA8B C6BE430DF350C3EEE43542 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201303** | 03AC2E1DD57A7CFD3FA0B8FB1A658055 | 8A164A8022BEAA15E9CCDDF9F31829E27FDA3359D 906F0B07F1F8AB10B8B628C | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201304** | 6429F2CA2A9779FDF9751133A69DE40A | 47C55FA7F620041BAA4AD7329045C50B6C0F7F997E 196603338E8570A6565486 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **CitizenCA-201305** | 41DEDECB417B4777C9FB82A0BF7DF656 | A70348A4FEB5E7ED8364FE6E02FFE21D3F29776A23 5D227F2BC18C44BCFDC5C4 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201306** | 6DF67B246E126F8AD49D96924B0D6877 | 04A92CB8D53FD75F7DDE38B6B25CCC6E26211A792 29DDAEFFA4C282E954A16CC | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201307** | 61B274B86CB29C5C4FE1D0C17C9F5D2B | CD423D85C2ABB93896DF334985E97D86309115ECD 512A7431E832D74475A32D8 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201308** | 026BE37E6FF10E2CDCE1C25E8D480C33 | 9DB8F2033203FF85586DEF0013079E38AC7C72EDBC 8272EDE50FE3C2B8B03E0E | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201309** | 71E401EE9941687C309EC2C78380AE34 | C217B6821210608DC8848E3847A9BA56B1906489C7 217C36437D608A4C567488 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201310** | 19C9305DF18AD5E053C943F9FC5080EA | A7D232EFC142117E20DAA2EC6F8BED25ADE1E9B71 55D2D189891F9D85722DCA6 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201311** | 3F898DF608E6942209E89A8969FC5195 | 597A38A99528C0B7218CFC20ECE5B5F61A16BF3516 3D52F7A53F166DB7E4BE1A | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **CitizenCA-201312** | 669BBD7F758F99CCE27CF768BC7C0367 | 2DBAE67ADC8A5DA23933306437534BBA7AFCBE81A 3DC832883AF3FAB10E06430 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| CitizenCA-201313 | 5955F9EC1C191B4CDFFB7E4EAFF99D9F | 4B79CAB45053AC58560EF4079F2294F1C682847B41 31A3A42F8AB1ED7EE5E23E | CA was not deployed. |
| CitizenCA-201314 | 121030FC2C8DEBE062DEC4C88F56A676 | AC1684469FA7E1E0F2F452C6438C6292560763EF514 B2E7BF149F8703B5A17A5 | CA was not deployed. |
| CitizenCA-201315 | 384ADA08A7703434949B12E2950FBC68 | D4DBAF6C5592226A3EEBD020D38C7671A8C3B4D07 20AA2D98F55BAEF25708B02 | CA was not deployed. |
| CitizenCA-201316 | 777EE78B0D98D74C2483ECFE07142657 | 69E8C242B76CEE5BC5A72B181556EAEC967A20CF9E B3B18C64C4C6DC37182738 | CA was not deployed. |
| CitizenCA-201317 | 7CCC2D2B9A14DCC0C102B9D9C50FF68B | 177C8567993BC114DF69E8EECDB810D277A825FD30 A7A63722177BCB7A9A34CA | CA was not deployed. |
| CitizenCA-201318 | 73C06E7A3F2A5DD2A9AAA3009D450375 | C2F9448C0879C8CAA98C005551BC47D9BD700B79C 27F807979C82ABC00413CF5 | CA was not deployed. |
| CitizenCA-201319 | 122BD38098BCF6D073A79F3A183EF964 | 2C642C2881755EE8EBD191F27851FAAFDC9CFDCCB5 C09A71772D30C83F0DDA16 | CA was not deployed. |
| CitizenCA-201320 | 309A732D9BA5F127C64086BE5C5285BA | 0DBC190C326B00F135F8332765E365C10E3DB5C80B FF5CAFECBCFFAF5AB92660 | CA was not deployed. |
| CitizenCA-201401 | 5048F006E875A69D817AB6A6665BB9FB | 4356C6621BA57DBD0D3770D6CC9884712DF364440 C05BF9D8859B0A806DD77F3 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201402 | 403F3BAA5D860D5AF15E07C4C41A8A1A | 2BF94DA1EDB954E9287C9E45E29FF6A6D2AFB8F889 0CF2733BD76411D57DBEFE | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201403 | 5BE65979710B2CD85C4032E5F0F69A15 | 843AA7683289B71D348C087AE6F71A1C83138B4C39 7F316D1E78C9DA86660B84 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201404 | 4D8EA181CC8E8C91EEAE7B28FC048F31 | A2BCB1E8523FBB23B9A277AFA0B67DA2E61E9AD8B AC1B926A733A1AE07C67CDE | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| CitizenCA-201405 | 745AB16CFC5573896C265FB5D0B4B69E | 9523FE76A1BF75519215D2CDE9FAE7BC122A95B2D9 8F0EF75C52FB678F15DA12 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201406 | 45AAD249CDE7195BB390B58D4A5CDCE6 | 956DAF56B0A02A336A277764E0FBBFB256856531CF 6A9DEE746D9D621B131BF3 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201407 | 49849C9CA9B766EDC5F6D16429E0670D | 4A0E0F30FA2D188690F9C75253A017195F2163E45C 090CF5D2B73C62C449A782 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201408 | 4EC998938E40A4D9F497D73D9E98DF08 | E7CF123BF34CAE3F884E80CB100B97244B1D3A4594 4D2A11394B995C4B8F8128 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201409 | 0BBB1E163EA433F131C232E643E5C86C | DF4BF204CC806773ED7D105AF4883066AB26ADC22 92391C98E79D710D19B4F67 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201410 | 5AF84ED71D3B690AA3BB2AB8FEFC0079 | F14D5526DBC4E218B4E3C789B805FA503E4C1E008F 51B478B31F5EC2C0465053 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201411 | 6DC729B99DBC9C887413564BE37391E3 | 8FB4D9E27D7FADEB2C8B49D55E25DF36F49E5E26AE CCE73AAE94363448763728 | CA was not deployed. |
| CitizenCA-201412 | 46D2D4364C9098D6C4729B59F411F7F1 | 6996A437576B86B66658731EC3F8A76907002A5C3E 6F9AAA6EB19F9ADCC1BF33 | CA was not deployed. |
| CitizenCA-201413 | 17DAA37C7DF63EE972A2232683972436 | 5C651A31ED89197129F8304F3B23C4B82153D5A87D FD3051D05C8BEC2616FEF5 | CA was not deployed. |
| CitizenCA-201414 | 54E4BE2F65AD7523071CC7ED1E5F64D0 | 83F8910235B5455C05CA5A8724D958BEA68CB995E3 18B48324AD33438C388A3A | CA was not deployed. |
| CitizenCA-201415 | 2DC299F6ED5B6DA597943345CED70844 | A9E384F89BB5E938108500D562DFAB533FF0C92053 AF931336D8628C931EC096 | CA was not deployed. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| CitizenCA-201416 | 597A5AA6EC1AEB6675742C6CAE8DE7BD | D67F154F77680C2594724B452A0A8D3D99BB82CEE68F196B22CFF849FEE9439B | CA was not deployed. |
| CitizenCA-201417 | 774EA761BF17E30967E996D94ACE103C | 22032D65D21E57ED427C285F550F92E47BF11A1374727B01947F4C143BCEE869 | CA was not deployed. |
| CitizenCA-201418 | 64800F46A5B04A49B3A9D482C40E2E35 | 7F8531FE9E44E24F3CDD5175C859A53B68223FFB7531F1FD73D335C1F9A7F064 | CA was not deployed. |
| CitizenCA-201419 | 349B9E22766E362C586B2B555C6B35BE | 28E5DACAE80F1933BADF31BA4B6A04172D5878F4C2E0396B4A17F96FDAA5BAEA | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| CitizenCA-201420 | 23784E7B27609B1B1AFCF7CFBA25D72C | C309AD22819213352CDC9971D1BAD8DBFD8C1A5C277E56079BDC4B15F3C2F886 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| Citizen CA-201501 | 2CD1C507FDA0C1F339B20DCD353F0F68 | 0B3E71A2F185B76D60848F8058DF085CD494B45BBFFA34ABB7FE0A4EE7513EDC | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| Citizen CA-201502 | 228490C43956691A852F655D727B4767 | E6CCC965192817114A4461C4CFEDC34453DEC1BDE63970CE21A642FBC38FBA30 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| Citizen CA-201503 | 24434A64A0BB7EF2F7685007F653CECB | BD628D36445787CA776374A9FE2531768F68886A2BCBDD34D737B070280E34E6 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| Citizen CA-201504 | 3C6280FA919A92C6C28C1A9FB16B4CFB | 413EC2AA46570884375DA01FA3A2C2352CD5CF02BFACB9D001625A7137AC6F2C | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| Citizen CA-201505 | 445FD0E63617D3AA57EB03BC9F0AD469 | E3E94E7BE532B9493F4B3EDD5311EA0B0D4EEB7AD815DFCB8F3E6356E1F1CB8E | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| Citizen CA-201506 | 61B011384CCB074D014419AB21F675D5 | CCC0EC4B00F279CF0D6D0BAB2D486DC274A6E410ED340657895F5232EEA174D5 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **Citizen CA-201507** | 25A3517B0DD44973195B748142C1A0CE | FCA8844B627C371DE4A7F910A52E8E90CDC29813A A24D6371DFD1EF0C14A1F86 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201508** | 7046B38E2B425264198E1C90C55EFDCF | 88A15E240C89873C1D743C503C0F5F4EF71A82B56C 33597C6A47BF096D9D3BE6 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201509** | 7C5DD10BAABE218673139A8795E8F702 | 56F1A0698A469487B858A62C81C72EAC7813B6A6E6 2A1D5C8B4B687EF45A86C6 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201510** | 52AFB41BC02F3A7CB4A6899EE9A2E0AE | A7E3ACB6D70DFF55368525BC3BE236C6025293FBA6 09B3C441F49944FA06001F | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201511** | 36B01D8EF94D1D24F0C04472F884BDED | C557D9DEE3A451345B08DEB178961A1C80C2FBC37 23067CB1B23380CE7DE88C0 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201512** | 69BA555C9C111B6EBBFE594830D1F5DC | 9E0EC70859DC1EBF127376A0CBF406655933389AD1 C99F5D0C71CE71D91868FC | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201513** | 13CAB6E5020E430BD0F5382E0A26871F | 6AC2B33D18AE6A2593C7AADAEC0ABB985F02F1BCD 91C2BE6F631C4CC80F3CB56 | CA was not deployed. |
| **Citizen CA-201514** | 6B8B492756E9153AA1D9827056DF69C2 | FE2ACAEE9740FF615CDD661D27E4C6976866CFDE58 E27EEF7C016436F5B5C379 | CA was not deployed. |
| **Citizen CA-201515** | 296F326B40B15BBBDB1DE20359BD81DB | F154AD5872D2E5C9D3D8773506DDC38592A17C509 B49D92A858F4D82E89DD51D | CA was not deployed. |
| **Citizen CA-201516** | 2A3E1C965E428813C923F2A40ECF148F | 684C919B778AA9A60D8D23B71D0B6BBF5CC896422 A248D0F72B79433478B1C2A | CA was not deployed. |
| **Citizen CA-201517** | 630B3C57935022FD0740E7764AA2144A | 7A80466FFC1836D8A6425354F271A53A69C6C85E7C 8AAD4561199F948D29843E | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **Citizen CA-201518** | 07AA8CEB4DF4D03ED52403F8B2A6B948 | 045B932C72BB5ED2E8D427C80E27F3EE77288CF71F 163ABE2BDCDFD1DD94DCEA | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201519** | 695D302AEAC74729F531007559AAF0B0 | 3601981A363D382CCDB0FCB7CC2FDEDF8DD494FBA 85F153F27042086271D4BA4 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201520** | 4FC0081C84ADA3D5635CC7BA92B7BCEB | 6CBC5B33089DDFB3252374066D8AE0BBEBFBA779D BAE5747279826CA0CD05DAA | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201601** | 7A9BEAFD5C00A948655F5CF41886E53E | F81769A524E5B9623E17F3F5D7581FA4A4192977FF 4E2457FB003238DCF60410 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201602** | 473DA6697C17C79292419494A0EAC22A | E0A335992BFCF4A297A27D10FFD9CB9EE0996E7C54 88ADA8DAEADE34502503B5 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201603** | 5E2244918911E7DC150BDFE326170EA6 | 8AFB61C21E30DC30C8F60C07B0783B9EED0686DCA EAC9125873FD7CAA8C0BE5C | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201604** | 6059729506D9365DEACE3A6246824706 | 3078911214F885A4E76B4951384F5322C33CA1BF3C 688ACF0347F433A6E76B8B | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201605** | 365B4BC0BD582231F7652EED77A5D200 | 02A7AD4DD5E0B9EFC097368D9FCC5077B89B0F2E2 D6EA7CE27512B78FE232DCC | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201606** | 7AF6409FF6541EB30D10AF1335D037CD | 45E4C155EE48CCA3BFBA7D2081507D972018E822AB A9EDD3444CC01DDC4C3429 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201607** | 176F0924EC08EE9FD6B05965CC05B9DD | D9D7FD90B90EC1886BDCF65519559CD55EEC3FAA8 9B2D41B795C4EA4B976035E | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **Citizen CA-201608** | 6A187A870233A203F0EB8C8CFCC8FCBF | 07743E9840979BE2253E7A88096DF2D8C4ECE0FA5B AC85ACD60BA3B4DB4D8A3C | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201609** | 4F8F016192AE42B66287A1C26535F5F7 | 308E434EBEE19688F2B3750FB321FFF691B04FDD0E2 05FB3626BAB014F2002F5 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201610** | 3093D75E5C01AD6A01D88CB8C93C9A81 | 6B6A9D1C037F77FAA874E6109A493F1F84095C1D15 24DBE28618DA488761B530 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201611** | 544CF0218B34080F20809803D75DBA8F | FF899F6E239DECF5CECAC3B8C0394AD163A3953669 3B280157224D89A7664462 | CA was not deployed. |
| **Citizen CA-201612** | 784AA0F66341DAB20169C714A16B7823 | 1CFA4E648A70108A8EC50B69645EC69FDF9EBB1587 09F7271700E3FDF70ED52F | CA was not deployed. |
| **Citizen CA-201613** | 192F358A261AB6A1271E381686767DA7 | CF61E7F85217771837DB257735905915A3F81ECD31 3F6109920EE5FC1710A7AB | CA was not deployed. |
| **Citizen CA-201614** | 1A22B6B088F489A70ADF3E0F1A0EB748 | 9E9FE24F10A79C28EBDE6031851449FD88369DF319 9F4976AC5C87F8F42C22F1 | CA was not deployed. |
| **Citizen CA-201615** | 1C1147C5C5F7055061E48CE180034940 | 270A3CD9E26ECC6B4FA8ED88CFF4ECA3808DA7A7D CBC7314D6C6554934D017F3 | CA was not deployed. |
| **Citizen CA-201616** | 3A9AFED1EF64B996870007EEA32CB21A | CA92703C76CB913A5EEDCE449B13CE3FB134913D08 DC7BB5EF62477662766F90 | CA was not deployed. |
| **Citizen CA-201617** | 7ACB1822AF9071FD5C0F8C5BC5271635 | ADE24CA7FE69147CC11C4991616D3CD4A36DFB7C6 356CBF65CB9CC668C66370D | CA was not deployed. |
| **Citizen CA-201618** | 4AB90E304B4058A1307D8D9EFF686248 | 340E31B68A93373B0F2EBE1DFCB96C9DD94D2586FC 2BE9F8CC1526DDA7EBCF73 | CA was not deployed. |
| **Citizen CA-201619** | 667316421E88A2538AB9A06E61012997 | 33D76665DFC5DB286D6A96B5E094C3C1F4C1E26A9 40ACFD920638AAE599746D7 | CA was not deployed. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|-------|--------------|--------------------|--------|
| **Citizen CA-201620** | 2CE8B1E3FE333DFAE008F3C66670E020 | 4CF447C5C3AFC2C2D6D87AD48A1FCADF09AB16490 F40B3DC81189ACF20430249 | CA was not deployed. |
| **Citizen CA-201621** | 16889D0FBFD957917B9FA8B7D6AD266F | F4446184ED388B9256FFF6C9CB5EAF72FD0D305562 B623586947BEAC7FE00FDE | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201622** | 64902F947473C554C420C2A0DF25D2D8 | 6F434E48A1DFD67726830D2EE6190CF3DF9E48064F 9A8735BE922A0D31FBA026 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201623** | 5539529A1B214F3713A4795AEF54056A | B8459D88ECD2035E108340E4208971AD967BFA1EFC 19A117C75B8373D07D31E4 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201624** | 5102B4425C72BEABB2B9498C2EAF64D4 | 8DBE63D178333DE1CC2AE2370F0C7016969F5B98A3 A6F62B84AB5D05089E4519 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201625** | 59B459FEBCBFE34B37E654FF40B3FAE4 | 88EB8A19E902719B3CE9DA662FCAC2DA5103222EA 69D90F998C4F78455264B67 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201626** | 5C41EEFE84EDF7A2EF9E1C00F18E7758 | 300EF19DB40C9F89A76EE3F084C8F181F8E2BFA733E 988D0A2AFA91D3582036E | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201627** | 73C5FC675DA551464988EC2F1FC9A3F6 | 664733C532066BDC4869652ED8C0A30E9F9362D225 38B5C1D1BE54F46A455783 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201628** | 452CFDFFB76F4F6AEB6FAD43D48AC273 | 555D9DDAC37DCA03B29183945A4C96F111974EA18 EEF6F08248F17C08002EAD6 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201629** | 3CDCEED458620428B31B89D7F971CB49 | 2948CD252BE356329B7914AB5A085831D5C35F8AE7 6DA79DBADF259A7546FF57 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **Citizen CA-201630** | 3072C17AADD82D2A425EB52D6A158935 | 91A9CB699E38602597831D4327CC5D107517C2F6AC1D74C096AEEBDC18CDEA63 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201631** | 176BEC403E95D2D1D2CF19AC30A5B854 | 293D0BA3A31E5D82A8E3FAE12709932FFDDA44423E0F733FB01EF123E73EB4DA | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201632** | 1CCAEF68F722FDF2092C023FA32A4B0A | 616917F0378082A126DD21D30DE72D17AD253AAEEB36D249A5B5522AC759A3C6 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201633** | 58151A1A2BE1E9F722BC7F1B01CCC241 | 9083504511A9F5D0CFAD05F3AEB75FF7552D571E8D0728DA988E3A5ACDF24445 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201634** | 1790D37B4F593E076CC3057D6FE6763E | D05D2E64C85960EE20443A28C8EE18A78BD56A41AF66663A25BC0639F85CE320 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201635** | 63E7B361A2B678A6E803C7E7BB43309D | 469AC573F177170B5E37CB76D1313EA4FDECBA26B8BAC21A39DF8B4F49E613DF | CA was not deployed. |
| **Citizen CA-201636** | 7CD58DB7756C72DD3468B8C0B68A9759 | E11332AD35554DEFC65C237BD85477C953800554BCA0D637A1FB560E434FE2E4 | CA was not deployed. |
| **Citizen CA-201637** | 3DF44E12B62E384E7B02036399C4D5D4 | 977EB4FE15CC1731480CC3225D8AFE80AC1E1803B7A142264F7DFDC68F1B8B35 | CA was not deployed. |
| **Citizen CA-201638** | 56C0DF1D6730863DDF5BEB0AF2E64339 | 1FA3D946D642BDD705F53FB860964F92181B97C9607C84D65758ECE6A325B2B4 | CA was not deployed. |
| **Citizen CA-201639** | 4F869999667BED913384AE1C1E94C7E4 | 16AB66A3E9F6F156C70C873ACA4FED5C07C6E4BD8CDC0AE4D0E0A9B8C0D1EDEA | CA was not deployed. |
| **Citizen CA-201640** | 7818EDDFA517B35E07B19116CC6FDAD9 | E8847A5CE52E70B15C083B25AE707693F068CE8B86BB52959A6BC7C02257EF22 | CA was not deployed. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **Citizen CA-201701** | 6CC60C31DEB18618F5D725B1FE36E44B | 0F6D3F8E92C14328156C6FE93CF2F8CAA39935F580 B77FEA19B933E941360F41 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201702** | 1DC6D3504AE854AE737B6DE2B243BADD | 0E7A49C02A3C14F9C6BC16C38180475C23B33D5EB1 A79D0E8C78542BC1B10F42 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201703** | 4C22CE58F5B276B25E093A7CE5EE830D | 65F71E4BCFF2EF8D8E00B540153DC461CB602C615D 49FF3D91209B387B1C260A | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201704** | 0F8493CA8CAFD37774C7AEDBBC743DB6 | 29ED97E9F0EBC555AEE0FD8A3759E216C987A0A40B 3EF42F11B4E5296DF0FB7F | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201705** | 3907385EA678E3200C610A9909B9CFEB | 2E6A0CC7853A3E7926AE7410E9C17E527A6819C2E7 DD3DE97BA2CE1F6958B40B | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201706** | 13AF392BC41D5C0475F39599E66197A4 | 2A0074375EC6B7BE367A53B76ED94A68D45F510760 CB7F9E0CF92314AFFBA2A0 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201707** | 2907385EA678E3200C610A9909B9CFEB | 21FC5EE8F9EC33BA8602E9B216729B968AC5E997C7 005F83E6B21F8D4900B93F | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201708** | 55F51D8C42366A3002692EFDAE459157 | B34A475C019550358713ED035EA02C5EDC3A39B2F D5FC64E47E8EC0CCE1FAF1F | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201709** | 5066F24C017FDF6A7B8FBFBD0A5FD1C4 | 194AD3E854B6B577DB80C9E583BDDF2DAA7F80816 698E0CC851A0076807D8B94 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201710** | 16CD4B3575A28C3F0646483BA0F37A41 | 80AC352930875BA0AFE7F70DD389130C8E1E7BEFFD C96477356AD2A9E003AD2B | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| Citizen CA-201711 | 4C4D86F19AA1C12068B8D3B8C3073492 | 0380E02A0F183FCB4B7C27C82CBAB5DB9B716907F8 B9A92B715991C07D60BECA | CA was not deployed. |
| Citizen CA-201712 | 1562E78CB373DB0D8179CC3BABE053D9 | BDD4980E5461E83B43AC3D94F371A6D2D32FB5B5B F32DE675924FD99AD78C08A | CA was not deployed. |
| Citizen CA-201713 | 4307C2A0DB5DA6DA6DB3B628E9205A2F | C2E73327BF15E5FCA93EA77D8C6520E0C87EB34E23 44BD55B71900AA0481A7A5 | CA was not deployed. |
| Citizen CA-201714 | 4DCCFC6291A83CCB3FDB3849FAC27E9F | CB246CAF68D95009B4CC494DB19BD946A72AD359F 3B4F8688280ED2FEE8A046A | CA was not deployed. |
| Citizen CA-201715 | 516E198D8C3FF57F0AA71E8B5A706A37 | 83F8F2F93CB8D39EF5A94BB6FAB7C3A3A2C8B6AEBF 898515714ADF366204D7D1 | CA was not deployed. |
| Citizen CA-201716 | 338EE92EF02961FDBDBC2476BD6F8079 | 91C0B4F1F941D725C163DC153A097982194AE5B7D7 A7E9E47EEC1AC230FA85BE | CA was not deployed. |
| Citizen CA-201717 | 2683558D013BA3143A8A15DD597E6B92 | 24B56A0D2A72C7F52C5CEC5DC97674A23299D0763 6B61DCABE64C2CEEF73D17F | CA was not deployed. |
| Citizen CA-201718 | 3F12D06B8E1A6B3324B8CEFE1FA1150E | 2CB64FD1218A2DB270EBE16C23125384A29491DA2 B616B5A680F294AD79F922A | CA was not deployed. |
| Citizen CA-201719 | 55BDCDEEAE0232CF4AFAF867D763ED0C | A3E4C7BB685B656F35E409F68A92465B2ED09A268E 25B0A1D4560F6D5D2A64EB | CA was not deployed. |
| Citizen CA-201720 | 622080BF5304250321F8153A54CCBD5C | 26E79A84FC6EEDF37F253D06BE4140FDA3814F5BC9 9C435F404447E963A7C043 | CA was not deployed. |
| Citizen CA-201721 | 29B15ECF278BDA728BD03A3D3FBE7D69 | 58B385B76FD28E61F6CA61E1D5E41B32BD2B6FF511 D2F5AEA0A4029304F4E48A | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| Citizen CA-201722 | 16457C3166FF1825524CCD2102A8FF01 | BA13056334CC755F5D27AAB0BE99E5CB9709D0343 B405E1CE46964331BB5C45F | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **Citizen CA-201723** | 1875D416C29725F0A640D625300DCE3C | 30CC1FCCBBEC02E68991B9645920F9A996C127C2FC BD079584F1D78D887591B7 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201724** | 64DDC021066E794F2E4898558F6D175B | A8EB8FE099E986CD622D62115FEC730A705422F4D3 4659ECF17BDD6D265EF964 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201725** | 29CE3DC37CC82A2A2F016F50E452AB76 | 00176CD8356F2F492DD04A893001C6EF610B1EBCBB 13C61FDFC3B705463A07CC | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201726** | 1DB63A2789D29B6DBC22C89F8AE8BF89 | A2A64423370F29D25BC7A8E3187BA64E7EB9AD2C6 94B32B0A60483B7764A8A99 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201727** | 59D5CF7E885229F66FCE8D6FBFED7A00 | 5CC5E2C68176EF63D4AC5BB2456D2FCC132884FA73 556832F932751D765DA72F | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201728** | 35E47F3D8C49F35782E49A85A746F3F7 | A3A310C3053A942FD16DCD283AA9B9A98B4EBC501 286DB53484445C2D4064395 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201729** | 392676B39D1382ED96897F66D7463B5D | 092232E5DF1BF8BCBFED1AF4D91F3553F2566184E0 932E4BEAF71D16A59AD6C8 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201730** | 6DCD82518F32F3FBD00CC8D19628A628 | 5C2A6329B7BD1A2FFF1C1EDD7325314892DF11491B 3942A83F4F0B13694CCC01 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201801** | 1EE5A3D178A506ADDB80F9A72ACAF529 | C42485FDFF232918E352A579F01896513FCCD55F28 7B994F2F7D0CB1A17DAEF2 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201802** | 65A5A48B79D5DA229B1A90248646A744 | 8D22AFCCB22C9B6E24267CE420B299655C81F5D71E 2ACFF907FE52AAA537A858 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| **Citizen CA-201803** | 5E1F2D20FC8A9C5CBFF68F7EFCCD91AD | 15917C4CB74BB301C445A2E030CDD290918C803203 81006927D22A43FD41FFD1 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201804** | 3407D3873C5BBFC1EF253FCC30654A4C | 97F40390A5CAE258D6FB2FF8D023B198775FF476A4 BBEC1D1BAAC1334E57B6E1 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201805** | 1E3D082EFFF675473796FB9F54BB5AE5 | 53C45AEFFD18C214074C19830FF4F5BB4FA0F6C424 508B7BC043216538685E5A | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201806** | 79F3EE1569C5EC2462230880243222C3 | 7F01291F68BA2491D4B93DC0F983F3DBB6A143C300 7AAB3E4A12043CAB5D39ED | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201807** | 07285E80422B8F284244BF3BFD4BEEA2 | 96A075EDDD0729055A932AAE25870F7D1F5CF9E39 01A7DC2CD8E916CC6E2B10B | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201808** | 78EB85067A970ED5B93952B9C0F426A9 | E74644F46CDDEE471FCFCD6548C5F333DBD122CA4 A4E67D652D5B1699E147679 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201809** | 44D730B54943D608702014FD048ACF7C | F78AE4D6DABC74640490AAE3637577A772E3CC27D F322B969C30979557F5920D | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201810** | 11206EBB161183F16570B942EB409D6A | 7F45258EA27B56FFCFD3BD9695A01D00833585B02C A2D4001F207CAE707D4CFD | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201811** | 7F0937C42452DD65E23E46365D487B3C | F8AA6516517B38D350125B731E4CBA23A7507BF5C DFD3DEF3DB891BD1DC2D409 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **Citizen CA-201812** | 6C97F78BD3267B9E22241041352FE4F9 | 489CC9F0CD0E2937A10AD96A2375C0BD1031B3ECC 54BD064D5858CC062B41B10 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| Citizen CA-201813 | 21CBCC380DAD2C760F5FAB7856A6FBAF | 0D7726AFD04A794887192D8BE67554C67A9626B67 C69896B6AB14D93B6F52086 | CA was not deployed. |
| Citizen CA-201814 | 12E174980E5F0E9D71DBFF409C844FEB | 296C9E5357C9C1F21E9064A310D1B7F3DA8D10DEC 4ABDEA7C372BB4C375B9BBE | CA was not deployed. |
| Citizen CA-201815 | 24033BD9C1D9F5A3CCB95214B6B33234 | 9726BE1FD62CCED3F3233615DC324CA0A7E787EB42 273C8BE4CE3DD379BF9D70 | CA was not deployed. |
| Citizen CA-201816 | 23271F2FC6FE1C417548B8C923AF9A9D | CC723CA484F1B044C7D42A2D49F173F77A54762E5D DEA44CE47B531F048F333A | CA was not deployed. |
| Citizen CA-201817 | 63770D1260575896BB369D602F8BC561 | 8ED517B4BCDF2F50E05E8C36EDD31732E92DE66FB D3801399C2C63DCF964A91B | CA was not deployed. |
| Citizen CA-201818 | 6605506AA2517C2AA744BEDE36032FE1 | 17EF6FB5C7BEDF2F0FE79E71B1BCCC8D89E75A0ADE 16F56EA3AAADDF1D012ED8 | CA was not deployed. |
| Citizen CA-201819 | 188AF011058AB78B3C56523DD99E0426 | FE29039D2D47D029284D9AA8CFB1DED726FF0E25F DE79FE84A9540187864B4B7 | CA was not deployed. |
| Citizen CA-201820 | 5F06EEC4E7BC96AEA6B90E5D971AE859 | E9C51CA39147B5738F64F835269D034C100473755A 4169E96C1FC23469821B0E | CA was not deployed. |
| Citizen CA-201901 | 557368605C8400B6835C6EE707602842 | 838698186DD06F8E736C39CAFBDE64E42D58ABA63 6CE2AD9DFF8D1855EA9790A | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201902 | 39C83F4BBB019BF031237150C58B64DB | 75A659CBDBBE6C957E5414DB078C92126F63438218 9DA1BF5C0A2380FE0C0154 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201903 | 3EE0E74878474D3A99A1E4F3B21550BE | FA008E16D1E58BE69C7D3E55353CF4FCA26DA9CE43 E75B1826CEF169B771964E | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201904 | 69878AE636D75659E770F1A0D158632B | 5F2B7D5AE8D434B62DFC43AA3E367E885F7DDEDD9 A43A42D1869390400FB3146 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201905 | 5CD308D0624A26AC254FA26241E5403E | 8CF635D6A747750CF1343E9636AA6DA4158C7CE09B 206D10833BAFE5E4EE04B3 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|-------|---------------|--------------------|--------|
| Citizen CA-201906 | 53B6B671C7294912741A1630A6B61BBA | 9F0202D49258DAE411118AF13F055E6D0C6E876DFD2943097A2BDE5452356098 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201907 | 237615AD600D073526C5181C9073E613 | B44C0630039F65E5DCE5717A7CB08CBED83E103B4715358191CC4B22079305BA | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201908 | 29FF73138AE0AAA085258270E1A2507E | 8C3855B0AA0853F6537C7727AC416A24761C8A8139E27D81E12B33EBB77385D8 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201909 | 1893CA69916AC4C31DB30CE9F08B7A64 | 06AF8409CE5AD41E1B7ECFDCD321773E188695A7E90FE79633854A040B07F08A | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201910 | 350CB9DA7893C25C500FCD06C46D1943 | F975F3CE3AEECE2E8421682E998EBAF51DEA233934D6BED0980396D4E9D305F3 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201911 | 467144486643B1B9539A7BB70F2E1443 | C1492EBA9F492ECBF6D4E4F11D39BC1A9013633FC07B5EE96301D7AD463BD76F | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201912 | 0FCB5EDA190BE277570EBCC57479DBA5 | 174E9DAE6544A07C925CEAE3A000A03C92542693A555C1FC9E60B98ECD3AC17E | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-201913 | 24ED17A18BE4C62D66CF82AFE74CCDA9 | 3E6936854B156FBB15EE9844C9EE3BBF92F8492897A772F9092C52ED28507EBF | CA was not deployed. |
| Citizen CA-201914 | 06B32A6C8416D8371EF0C53AE5A38E7F | 26CDECDD13A446DEA1A0B7A1AACF17BB8051B68509E9900AD2541D0454A03FF5 | CA was not deployed. |
| Citizen CA-201915 | 2A1177658C883283EDD485AC50F5B811 | 0BC3937072128B9E5BCC3A2C6A4E5531EFD3D96D302C1C8A0DF550FE078A083A | CA was not deployed. |
| Citizen CA-201916 | 2FF5A435A2AD1F29733A5DE3CC855842 | 7A77CBD458C6282B40F0337FD044A3E49A89CD27B12C533D48361588A409D4E1 | CA was not deployed. |
| Citizen CA-201917 | 6D3460DB870B0DC922DE1B7AEC658758 | 285261B13A392645ADCDC22E79594F8FCA8B6EF815C96EA2508D8C689B35D490 | CA was not deployed. |
| Citizen CA-201918 | 568B88342BFE6DC92935D01390970660 | 824074C21F1C2897F29C26FFDB82E4E6BBB859676AB556FF5C95C66C6F5818C8 | CA was not deployed. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| Citizen CA-201919 | 5E9351E953178313185D9FF5CABE156E | 7774FAB7548982262B2FEBB4866439B30F84CBB2D103579DF9EB19D74B67FEEE | CA was not deployed. |
| Citizen CA-201920 | 44C39794BD6BF9361C913B5D0BC664B3 | 4AA826476300B7F04A4CB8EA04A3D34EEFDD7331706AAA2B3770C763C6E9829C | CA was not deployed. |
| Citizen CA-202001 | 7FC2D35BD63A2460831D336DAF1D4ECE | 4422E3A14185B167D7E4DB0851B630725B21423A4140868317DFEBFB3EC12F86 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202002 | 4B145DE3C0AC6B75FA12C1BBAE5D409F | CFB222597B2D055B4787DA723A748D7E2F4377DB7C8B94F7FD99AF5BD2163FC9 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202003 | 3B4BF532707101407911905926086 1DB | B9A885309E6CF3216FB6624907C6066D9999BC30D1109CAE4FF33880D5DF3494 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202004 | 0A74E27B3A801917D0AFF903B7E6DCFF | FFC38D28344594F55F1B9A918C454FCB8ECEC6AE9933FEF1A3D5094EEA406BF8 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202005 | 3859FC7C4C6475F2CEC87A7B88BFFFC3 | F6CC04E18534619FB2D65F0E45B8B43BC8156B5D73CD87ADB347D73EA8180DC1 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202006 | 04AF28E19AB81FF08AC36D159F15B818 | FBF80097BCAEEEACA139FDBADEB5ADD98C91BB69AC1D4A669D4DE03E08354D4F | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202007 | 0FA13297EAAD73AD1BA8075D9168D9FC | 0FE465686FEE2DCD0129A16A7D59BA2A2B33F6529B59889753B83E0BEA3B7E04 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202008 | 02AB8C9F692351D0CF00D300EDE9183C | 1A1F82592E033B620196CB84E6B61E85CB448992595E70EE29247BF5C1771D8C | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202009 | 40DBE9635DF10F284636F08E98799BB6 | 1BC3B2B46FAF00F0AD8E695E2B7593BD9347365D2C6AFAB1490E360896EF6E4A | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202010 | 1F461261C97304DB884EDEC4D2D218E0 | CF8A86E68036700194CB17A2873256B0C3F4F879B11E9CDED97F9BD949BBDACF | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202011 | 6E57B3B89189827C7AA2348810992384 | 0DC09BD7DDBD7C2C0AB8A068074C157374888FFA9762900514CF0D59FAAF34BF | CA issued certificates during the period 16 February 2019 to 15 February 2020. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| Citizen CA-202012 | 04DC5F11BAFD2B0780337D72CDB3583C | A5E24157D141ABD069F3A23BC3056DC4F46C668FBC1AA6E9C030A63816089086 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| Citizen CA-202013 | 08C2CFE49064658AC9BC1F16D7952A43 | 1911E28497AF92C20A01D08A98ED4261CC4B035564B31C6FE49F33B944EFF4A1 | CA was not deployed. |
| Citizen CA-202014 | 0D3269DF458D609DABE4F742111118BA | 210C4F3072F8FC983C1F3A710D2FDAF3AB304D7BF6CFE5F4B6DA457F57132D31 | CA was not deployed. |
| Citizen CA-202015 | 2FC92BDA7950EF2C969E936845BE6944 | C7CD02FAE5786874369F53457416EB7133571647FE912209EFC4F077A8ED72E3 | CA was not deployed. |
| Citizen CA-202016 | 4592B2DCC58C0D986242715012A212B6 | E61A48C33CF94AA7624A6144161A075A6965E6A4EB4CD11C5EFBD1C797862D75 | CA was not deployed. |
| Citizen CA-202017 | 5647175D9A45627F0772F6872F9F0CB1 | C68C5599EDEBA15C11254381B01D15F2BC627FDDB85E33A49207E31FE1F15D0D | CA was not deployed. |
| Citizen CA-202018 | 1559A75045745EEE4624043D5955439A | 30AA858FF3C675264BB3AD047757DE5FC3078195ACC23876B458E7AA350499EB | CA was not deployed. |
| Citizen CA-202019 | 0FBCBF1761AA2AF6F5DA212B5ACA881E | 3F8FC8B3C4357891AEEA969F906A2F4F22DB56544362830D01A40DFD69A17B34 | CA was not deployed. |
| Citizen CA-202020 | 5585BC29ED82795B1C7E273B2FFC7992 | 52D9DF1B3AB19DC19DF0C40591A832D1A34731C280E296644B9630A4861352DC | CA was not deployed. |
| ForeignerCA-201301 | 240F4773772BCB4B18F7085EA66B3F70 | 1C90B0940CA88E810EE5995BB12B88BDAC0BEBA18B708823B224EF0FE3AB56FA | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201302 | 32B98A08CADACFDC9DC20E43020D7C7C | 483AC94F68E1985E5F46E90AFF623B4CB45AFF25E2E98AE581D29B0B9F2DE761 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

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|---|---|---|---|
| ForeignerCA-201303 | 102A76FF5A9DA61152B83F36C9A71D78 | 4447EBD00CFA59B6C5D5D043E29FFBC162394F4FA20C4387CDFBB31D4EDEFE92 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201304 | 26C8CEB833AD7FE9DAD68484446DA3A9 | F426B8C1C11413917824E0CD092FC06CE6A57D893F906251FC03E979FD561605 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201305 | 3104945E151F5A63121455A76BADD690 | 39FC6647DB173AE1CBB77C5CFACF00384D0B7FD16329E1CC5583E69605A06B02 | CA was not deployed. |
| ForeignerCA-201401 | 757E87C2DA99D4745D3E08284C125474 | 7998F25DCDB5B11FF2AE9461BBD98D027DEF22E08E5B82E4BAFBCB60B79ECE23 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201402 | 758982F0657C11C21A4AA6FAAB04FBAB | 8871F99C8F64853D9164464E59AFB3EAD87B6EB20F98649B4B07A084EE6C124E | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201404 | 6B96E647A41E3210A7D19BA3FC03C2B0 | 259A6D5ED24EB207CDB5FD14EADC878BDE111CCB7CCBFB827687F779C118B612 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201405 | 3AF54E9DA813E6C1258D28434C75FA60 | 75F9E698359D78D5B5D1A1541D91B9963AACF6BBF29036C8BBD30FC664C1C3C6 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201501 | 4A5E8F562B05DCBF3ECE4092177C4A5C | 5816C6E40799B5BC7F0B14C9614A36D3ACA771DF54A004945F0F8D7E0B29FFCA | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201502 | 605F64E0C22131D1F26DBF59613BC971 | DE98D1089FAEF8E97D8C428F218ACA0ED17C55CFB3571125E5A51189A99E2898 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201503 | 1EC33EB01227B9782351F4F65669E178 | BAF764FE9CFD9C314BB9768641B45C3A1BBA53586A7AA6DD014CB6C09F9A0520 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

| CA ID | Serial Number | SHA256 Fingerprint | Status |
|---|---|---|---|
| ForeignerCA-201504 | 7BAB9A180D7087FBA36D9C86194BA62D | 172020EBDB7FF3E07D47E8D4323C7E0265496E308E9F25D75A9C3328594C7BC4 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201505 | 69AC8FCCFCE55A2407227A925C3F2CEF | CFD28EA7F34890EF88C588FEB03FC569437C7FA7BAA20641389B2822190B4E7B | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201601 | 520C6CEFA47E016E21170FEC75B9F678 | 095E8483D13E90BB8BD24A2E79A5AD7BF1A9B3493DF62A481A751D47B044F133 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201602 | 7AC7769DAB465E9C82164ABCBDA92878 | 274F455DF66C7DAF043D7A23D8B6FAB5A9F1F8FC5C8527B7C94C9BC45CA8C9A7 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201603 | 4309587E2D8B427FA4EDF043F31F1FBA | 710B50493830DB5524DB3D27E2197662ADF1976F71F5364BB40FDFF84205C3BC | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201604 | 3ED3B9B91477A384377EFD5FE438B361 | E1022E01660FE9BAD493D06A1A882F95E3A5A22D3A5D2E34C49B36D6B1D405EE | CA was not deployed. |
| ForeignerCA-201605 | 315928B6D35A87C0DE6649D3837EFF3A | 89F35898183EDFAD0137E3A8A5E1533E5B765B221DA8982006BF3398AC39C3FC | CA was not deployed. |
| ForeignerCA-201606 | 2E710CEDE32BBC393C5A6AA5A781DF2D | 6891BEA994B0308C1F40171D9B761EBE8DB02CB5561621054C698310C91C2289 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201607 | 7158C453175F14E1B96298D78783F6F8 | 20116836B50867A6F32A8638D0D04F8DD6D2BB764912B3A6986C0F7AA4ECD33B | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201608 | 42982F7BA4E7908C5159ECE0C2A1ED02 | 266EC9C3415964780F75185B21470E9BE8CD3078F1E3770AF89483F59DC2BE4A | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201609 | 6F3954867EFAAEE216ACF03C264DB30B | F0143A302D2A0CBDD35D451AB6F986AD66A2150E5F2CCE8E88D7B611830BB2ED | CA was not deployed. |

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|---|---|---|---|
| ForeignerCA-201610 | 57DA0F54105FD046F84A14FEAADB5F49 | 42ADFD824169729FEB140B4706F377912072CF067F3305E70FCCA544331A7C71 | CA was not deployed. |
| ForeignerCA-201701 | 660DDAB0AE056853C4EB961A80E48524 | 919EAC3E460C26B6862F13C3A5582E7BA088FCC21428E77DF00EEB78271A29AB | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201702 | 1DF8E530E433E82EA2FCF373261CB4AE | 8388F05065B5983F932C2BE2E548984DF71AE07F6CBAC331B648F5288B370D74 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201703 | 7262079E06A3B52C83BEC91D56D2F9F2 | 9B04FDF981215F351DC0EC85AE1F81659FCB4A9A3FE7F9E1AB6218A2F36E8FAE | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201704 | 4913B85FEDD85A39135B4118EEEBF114 | 6E60F06C03E33F822BB2CD3ECA83CDAA442E4B4D99EEB7038BF01486D7643ABA | CA was not deployed. |
| ForeignerCA-201705 | 7C74A61A9C23446E2E40143B1C5DD6B5 | F2D7AB8371B83FB1BB6459183AD3762775F28E7140D49DDECA0E4445231A4C4B | CA was not deployed. |
| ForeignerCA-201721 | 3CC39BFD2AACDCD043F812D1F78CEFD3 | 48FC959D0041908D9C515D919D325BC4EC5BE4330A27C2B3F9E92C24002EEF2B | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201722 | 3B3C92EFD9CE176937FA370F34868221 | F118959A5AD5EB37CEDB12518E2344899DED857C034E1D666044467C7B2AEC29 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201801 | 29E143E66DF6C51AE2BB1FF9492024B1 | 17016F6A703565E28AB1DF7E29A8B988D2E35B8D832817A1F9379D88AD711411 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201802 | 5A4CEF0481295216B95705C773051BDF | 15A58DE07F3C249E26FE8EA90D6B71A96536D74579D2D3BECFA72DEBA28FE6E2 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| ForeignerCA-201803 | 62B2AE43B3F52C3E96B3D25FABEFC5E0 | 63B0701657574FC60F348C785058F830A7EDD0C863C72B1290F8D47D5D9287FB | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

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|---|---|---|---|
| ForeignerCA-201804 | 1D0E0B0F89D91B626ECC54E179488A9C | 64EB57DA3549C26585E82C5E3CD5297DA0066563C DB484A555C552FC7677A620 | CA was not deployed. |
| ForeignerCA-201805 | 2B6EBBD119B9765919D784A141D8A2B5 | 48E26C5904974D6A22E442FAE88A2A418290E00637 B898720A13F2143ACD8EB6 | CA was not deployed. |
| ForeignerCA-201901 | 1967138B3E5E0221C1783DE7903B74ED | 4B96EFA12867B8ABF2AD9B4EDBFA29D9E089B183B B5CB7C81B8393FA696BD0C1 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| ForeignerCA-201902 | 65CE16DADF8359572F79E88B3E0C1903 | 96B2F80A23CA68E3CB5338AC5F68B37AAC19E2F3C0 86EEFD4A5341B11EAE5083 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| ForeignerCA-201903 | 30557E892AC525A9A84745D3314FA6EC | 2D0BC865648EA075BA548EBFE16A2F991E8F9645FF 21F6695F861079EA9E22CA | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| ForeignerCA-201904 | 25CCEDD199A2F4B631E14D75FC1E372A | 5D8BD7B9DCBE50E11C16380BB7E1C59D462C5B72E 90B7F210A68212EC0F9400C | CA was not deployed. |
| ForeignerCA-201905 | D625EE2800A5082064C3F3BEB68D7E82 | 034F801474F99DC0D420E76115718AE1F669473932 72673B9361FDB5E28937FC | CA was not deployed. |
| ForeignerCA-202001 | 49AA4606A86E014AFB21598A0ECD624A | 9BED833321113A366D6F6CF379C56D4D8E70F3801A AC149C467DD547B95B8030 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| ForeignerCA-202002 | 4F2C3D9366573363A3AFAC3FFF61B0F6 | 97C6734E54A90B3B7C0F5402537F481FDE423799DD B2E6F85B26EE1AA72D2134 | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| ForeignerCA-202003 | 211FE38DDBF6D7D2D09E79C40FC7D5A9 | E8FA1693B8A59B5E9F9EDE1FCC4A483AFD4105E725 57632E4DD435DAF436175F | CA issued certificates during the period 16 February 2019 to 15 February 2020. |
| ForeignerCA-202004 | 4DAC969EE177769BC79E06C704914B70 | 2A8B226F5CC5F7EA2CE0449EEB8A715F86BBAD2441 E775DC5F89BF7FB065A616 | CA was not deployed. |
| ForeignerCA-202005 | 038A6C581D58D9EB00CBCE467340F6F5 | 5FA5055F240D97634261391F069D67356890A66699 AC353C8796C02087C3F625 | CA was not deployed. |
| GovernmentAA 201301 | 54149FF889DCB130774594B82850893D | 508FF6CC5D553819C633B37E91A666E4E6E3E00B05 D7A7BA2B127ADF94A7931F | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |

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|---|---|---|---|
| **GovernmentAA 201401** | 16FC53CEFF2B405F607B014EC7DFDF94 | 0E0257F0606B8BEE7CE9EBF45023CA4FDA21A2830C 049C46ED2AFAE9B28607C2 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **GovernmentAA 201402** | 1C7430B8910C50023FE3B24FA020B40C | B1738D367D09A70D1CEF3F7A00F971B350EBB86EAF EBE8AA9C964842D1F09690 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **GovernmentAA 201501** | 5D60D7C4EEEC7E72D955239DF2FB1F6F | 6B55EC860109441C1BF67D6192265423FB49C8A450 DAA1A18433EB625AF8273D | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **GovernmentCA 201301** | 2F57C7A20B15C667CC0646B9AB8BB369 | CD7B55A42B2E24C3AF6D6BA0E29A205B25C5A9A48 3CA8DB8E724295FB77D3208 | CA certificate expired on 11 June 2019 and was not renewed. CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **GovernmentCA 201401** | 416615F4A1CEFB908341445571F749D5 | 010A1032A41F95A82CC5A4ABB0988099B179A9AFB 392EB1038E953BB1C5F7813 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **GovernmentCA 201402** | 5B4947EC8075D5E037D325CE01D1FF40 | 304159FC50707DEC2EDF665ACC97A81F43A3AFCA24 F4AE5A9F211D97B5404C64 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |
| **GovernmentCA 201501** | 555F4D5BC8A30976F70FC1E1221C9193 | CE0D509D259CF9CC9397F4CF4287BCF7CCF95D5506 4869AF2D12AAB2602F5244 | CA did not issue certificates during the period 16 February 2019 to 15 February 2020 and was maintained online to provide revocation status information only. |