

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 Issuing CAs as referred to in 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 Business, Key Lifecycle Management, Certificate Lifecycle Management and CA Environment Control 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 \(version 4.5 d.d. 28 October 2019\);](#)
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated (for the registration activities performed by the Belgian Government Certification Authority); and
 - Issuing CA certificate requests are accurate, authenticated, and approved;

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

in accordance with the [WebTrust Principles and Criteria for Certification Authorities, Version 2.1](#)

The Belgian Government Certification Authority does not escrow, transport or migrate its CA keys, and does not provide certificate renewal services. Accordingly, our procedures did not extend to controls that would address those criteria.

Certification Authority responsibilities

Management of the Belgian Government Certification Authority is responsible for its assertions, including the fairness of their presentation, and the provision of its described services in accordance with the [WebTrust Principles and Criteria for Certification Authorities, Version 2.1](#).

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

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

Relative effectiveness of controls

The relative effectiveness and significance of specific controls at 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.

Opinion

In our opinion, throughout the period February 16, 2019 to February 15, 2020, 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, Version 2.1](#).

Use of the WebTrust seal

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

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, Version 2.1](#), 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 version 2.1 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

A handwritten signature in blue ink, appearing to be 'M. Daelman', is written over a horizontal line. The signature is stylized and somewhat abstract.

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 as the Issuing CAs included in Appendix II.

The Belgian Government CA provides the following CA services:

- Subscriber registration
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate suspension
- Certificate validation
- Subscriber key generation and management

The management of the Federal Public Service Policy and Support is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure on its [website](#), CA business practices management, CA environmental controls, and CA key 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 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 disclosures of its certificate practices and controls over its CA services. Based on that assessment, in the Federal Public Service Policy and Support management’s opinion, in providing its 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 business, key lifecycle management, certificate lifecycle management and CA environment control practices in its:
 - [Belgium root CA certificate practice statement](#)
- maintained effective controls to provide reasonable assurance that:

- the Belgian government represented by the Federal Public Service Internal Affairs and the Federal Public Service Policy and Support provides its services in accordance with its Certification Practice Statements
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated (for the registration activities performed by Federal Public Service Policy and Support; and
 - issuing CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorized individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

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

CA Business Practices Disclosure

- Certification Practice Statement (CPS)

CA Business Practices Management

- Certification Practice Statement Management

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical and Environmental Security
- Operations Management
- System Access Management
- Systems Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

CA Key Life Cycle Management Controls

- CA Key Generation
- CA Key Storage, Backup, and Recovery
- CA Public Key Distribution

- CA Key Usage
- CA Key Archival
- CA Key Destruction
- CA Key Compromise
- CA Cryptographic Hardware Life Cycle Management
- CA Key Transportation
- CA Key Migration

The Federal Public Service Policy and Support does not maintain a separate Certificate Policy, does not escrow its CA keys, and does not provide certificate renewal services. Accordingly, our assertion does not extend to controls that would address those criteria.

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

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:

- 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.

The Belgian Government CA provides the following CA services:

- Subscriber registration
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate suspension
- Certificate validation
- Subscriber key generation and management

The management of Certipost NV/SA is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure on its [website](#), CA business practices management, CA environmental controls, CA key lifecycle management controls and 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 of 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 disclosures of its certificate practices and controls over its CA services. Based on that assessment, in Certipost NV/SA management's opinion, in providing its Certification Authority (CA) services at Brussels, Belgium, throughout the period February 16, 2019 to February 15, 2020, Certipost NV/SA has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environment control practices in its:
 - [Citizen CA under Belgian Root CA 3 and 4 certificate practice statement](#)
 - [Foreigner CA certificate practice statement](#)

- maintained effective controls to provide reasonable assurance that:
 - [Certipost NV/SA provides its services in accordance with its Certification Practice Statements](#)
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated (for the registration activities performed by Certipost NV/SA); and
 - issuing CA certificate requests are accurate, authenticated, and approved;
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorized individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

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

CA Business Practices Disclosure

- Certification Practice Statement (CPS)

CA Business Practices Management

- Certification Practice Statement Management

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical and Environmental Security
- Operations Management
- System Access Management
- Systems Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

CA Key Life Cycle Management Controls

- CA Key Generation
- CA Key Storage, Backup, and Recovery
- CA Public Key Distribution
- CA Key Usage
- CA Key Archival
- CA Key Destruction
- CA Key Compromise
- CA Cryptographic Hardware Life Cycle Management
- CA Key Transportation
- CA Key Migration

Certificate Life Cycle Management Controls

- Certificate Rekey
- Certificate Issuance
- Certificate Distribution
- Certificate Revocation
- Certificate Suspension
- Certificate Validation

Certipost NV/SA does not maintain a separate Certificate Policy, does not escrow its CA keys, and does not provide certificate renewal services. Accordingly, our assertion does not extend to controls that would address those criteria.

Certipost NV/SA
Brussels, Belgium



Signed by: *Draina Collinet*

Function: *Sales Director Public*

May 11, 2020

Assertion of 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 the Issuing CAs included in Appendix II.

The Belgian Government CA provides the following CA services:

- Subscriber registration
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate suspension
- Certificate validation
- Subscriber key generation and management

The management of FPS Home Affairs is responsible for establishing and maintaining effective controls over its CA operations, including CA environmental controls and 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 disclosures of its certificate practices and controls over its CA services. Based on that assessment, in FPS Home Affairs management's opinion, in

providing its 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:
 - FPS Home Affairs provides its services in accordance with its Certification Practice Statements
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated (for the registration activities performed by FPS Home Affairs); and
 - issuing CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorized individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

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

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical and Environmental Security
- Operations Management
- System Access Management
- Systems Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

Certificate Life Cycle Management Controls

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

FPS Home Affairs does not provide services nor maintains controls related to CA Business Practices Disclosure, CA Business Practices Management, CA Key Lifecycle Management, and Subscriber Key Lifecycle Management. Accordingly, our assertion does not extend to controls that would address the criteria linked to these principles.

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.

The Belgian Government CA provides the following CA services:

- Subscriber registration
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate suspension
- Certificate validation
- Subscriber key generation and management

The management of Verizon Terremark NV/SA is responsible for establishing and maintaining effective controls over its CA operations, including CA environmental controls, CA key lifecycle management controls and 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 disclosures of its certificate practices and controls over its CA services. Based on that assessment, in Verizon Terremark NV/SA management’s opinion, in providing its Certification Authority (CA) services at Diegem, Belgium, throughout the period February 16, 2019 to February 15, 2020, Verizon Terremark NV/SA has

- maintained effective controls to provide reasonable assurance that:
 - Verizon Terremark NV/SA provides its services in accordance with its Certification Practice Statements
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;

- the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated (for the registration activities performed by Verizon Terremark NV/SA; and
 - intermediate CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorized individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

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

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical and Environmental Security
- Operations Management
- System Access Management
- Systems Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

CA Key Life Cycle Management Controls

- CA Key Generation
- CA Key Storage, Backup, and Recovery
- CA Public Key Distribution
- CA Key Usage
- CA Key Archival
- CA Key Destruction
- CA Key Compromise
- CA Cryptographic Hardware Life Cycle Management
- CA Key Transportation
- CA Key Migration

Certificate Life Cycle Management Controls

- Certificate Rekey
- Certificate Issuance
- Certificate Distribution
- Certificate Revocation
- Certificate Validation

Verizon Terremark NV/SA does not provide services nor maintains controls related to CA Business Practices Disclosure, CA Business Practices Management, and Subscriber Key Lifecycle Management. Accordingly, our assertion does not extend to controls that would address the criteria linked to these principles.

Verizon Terremark NV/SA
Diegem, Belgium

A handwritten signature in black ink, appearing to read 'B. B.', with a horizontal line extending to the right from the end of the second letter.

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 the Issuing CAs included in Appendix II.

The Belgian Government CA provides the following CA services:

- Subscriber registration
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate suspension
- Certificate validation
- Subscriber key generation and management

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 disclosures of its certificate practices and controls over its CA services. Based on that assessment, in Zetes NV/SA management's opinion, in providing its Certification Authority (CA) services at Sint-Pieters-Leeuw, Belgium, throughout the period February 16, 2019 to February 15, 2020, Zetes NV/SA has:



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KBC 437 7513011 11
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WWW.ZETES.BE | ALWAYS A GOOD ID



- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated (for the registration activities performed by Zetes NV/SA); and
 - issuing CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorized individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

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

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical and Environmental Security
- Operations Management
- System Access Management
- Systems Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

Subscriber Key Lifecycle Management Controls

- CA-Provided Subscriber Key Generation Services
- Integrated Circuit Card (ICC) Lifecycle Management
- Requirements for Subscriber Key Management

Certificate Life Cycle Management Controls

- Certificate Issuance
- Certificate Distribution



ZETES sa/nv

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KBC 437 7513011 11
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Zetes NV/SA does not provide services nor maintains controls related to CA Business Practices Disclosure, CA Business Practices Management, and CA Key Lifecycle Management. Accordingly, our assertion does not extend to controls that would address the criteria linked to these principles.

Zetes NV/SA
Brussels, Belgium

A handwritten signature in blue ink, appearing to read "Alain Wirtz", written over a horizontal line.

Signed by: Alain Wirtz

Function: Managing Director

May 11, 2020



ZETES sa/nv

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Appendix II – Overview of Root and Issuing Cas

CA ID	Serial Number	SHA256 Fingerprint	Status
Belgium Root CA 2 RootSigned	0400000000141A1E134BA	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	0400000000141A1E1393E	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	0400000000141A1E13D26	8460CCAE91B0E805AB51C7CD46DDF2E8C1C49480 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	6429F2CA2A9779FD9F751133A69DE40A	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	41DEDEC8417B4777C9FB82A0BF7DF656	A70348A4FEB5E7ED8364FE602FFE21D3F29776A23 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	5955F9EC1C191B4CDFFB7E4EAF99D9F	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	177C8567993BC114DF69E8EECD810D277A825FD30 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	9523FE76A1BF75519215D2CDE9FAE7BC122A95B2D98F0EF75C52FB678F15DA12	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	956DAF56B0A02A336A277764E0FBBFB256856531CF6A9DEE746D9D621B131BF3	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	4A0E0F30FA2D188690F9C75253A017195F2163E45C090CF5D2B73C62C449A782	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	E7CF123BF34CAE3F884E80CB100B97244B1D3A45944D2A11394B995C4B8F8128	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	DF4BF204CC806773ED7D105AF4883066AB26ADC2292391C98E79D710D19B4F67	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	F14D5526DBC4E218B4E3C789B805FA503E4C1E008F51B478B31F5EC2C0465053	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	8FB4D9E27D7FADEB2C8B49D55E25DF36F49E5E26AECCE73AAE94363448763728	CA was not deployed.
CitizenCA-201412	46D2D4364C9098D6C4729B59F411F7F1	6996A437576B86B66658731EC3F8A76907002A5C3E6F9AAA6EB19F9ADCC1BF33	CA was not deployed.
CitizenCA-201413	17DAA37C7DF63EE972A2232683972436	5C651A31ED89197129F8304F3B23C4B82153D5A87DFD3051D05C8BEC2616FEF5	CA was not deployed.
CitizenCA-201414	54E4BE2F65AD7523071CC7ED1E5F64D0	83F8910235B5455C05CA5A8724D958BEA68CB995E318B48324AD33438C388A3A	CA was not deployed.
CitizenCA-201415	2DC299F6ED5B6DA597943345CED70844	A9E384F89BB5E938108500D562DFAB533FF0C92053AF931336D8628C931EC096	CA was not deployed.
CitizenCA-201416	597A5AA6EC1AEB6675742C6CAE8DE7BD	D67F154F77680C2594724B452A0A8D3D99BB82CEE68F196B22CFF849FEE9439B	CA was not deployed.

CA ID	Serial Number	SHA256 Fingerprint	Status
CitizenCA-201417	774EA761BF17E30967E996D94ACE103C	22032D65D21E57ED427C285F550F92E47BF11A1374727B01947F4C143BCEE869	CA was not deployed.
CitizenCA-201418	64800F46A5B04A49B3A9D482C40E2E35	7F8531FE9E44E24F3CDD5175C859A53B68223FFB7531F1FD73D335C1F9A7F064	CA was not deployed.
CitizenCA-201419	349B9E22766E362C586B2B555C6B35BE	28E5DACAE80F1933BADF31BA4B6A04172D5878F4C2E0396B4A17F96FDA5BAEA	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.
Citizen CA-201507	25A3517B0DD44973195B748142C1A0CE	FCA8844B627C371DE4A7F910A52E8E90CDC29813AA24D6371DFD1EF0C14A1F86	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-201508	7046B38E2B425264198E1C90C55EFDCE	88A15E240C89873C1D743C503C0F5F4EF71A82B56C33597C6A47BF096D9D3BE6	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	56F1A0698A469487B858A62C81C72EAC7813B6A6E62A1D5C8B4B687EF45A86C6	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	A7E3ACB6D70DFF55368525BC3BE236C6025293FBA609B3C441F49944FA06001F	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	C557D9DEE3A451345B08DEB178961A1C80C2FBC3723067CB1B23380CE7DE88C0	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	69BA555C9C111B6EBBF594830D1F5DC	9E0EC70859DC1EBF127376A0CBF406655933389AD1C99F5D0C71CE71D91868FC	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	6AC2B33D18AE6A2593C7AADAEC0ABB985F02F1BCD91C2BE6F631C4CC80F3CB56	CA was not deployed.
Citizen CA-201514	6B8B492756E9153AA1D9827056DF69C2	FE2ACAE9740FF615CDD661D27E4C6976866CFDE58E27EEF7C016436F5B5C379	CA was not deployed.
Citizen CA-201515	296F326B40B15BBBDB1DE20359BD81DB	F154AD5872D2E5C9D3D8773506DDC38592A17C509B49D92A858F4D82E89DD51D	CA was not deployed.
Citizen CA-201516	2A3E1C965E428813C923F2A40ECF148F	684C919B778AA9A60D8D23B71D0B6BBF5CC896422A248D0F72B79433478B1C2A	CA was not deployed.
Citizen CA-201517	630B3C57935022FD0740E7764AA2144A	7A80466FFC1836D8A6425354F271A53A69C6C85E7C8AAD4561199F948D29843E	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-201518	07AA8CEB4DF4D03ED52403F8B2A6B948	045B932C72BB5ED2E8D427C80E27F3EE77288CF71F163ABE2BDCDFD1DD94DCEA	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-201519	695D302AEAC74729F531007559AAF0B0	3601981A363D382CCDB0FCB7CC2FDEDF8DD494FBA85F153F27042086271D4BA4	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	6CBC5B33089DDFB3252374066D8AE0BBEBFBA779DBAE5747279826CA0CD05DAA	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	F81769A524E5B9623E17F3F5D7581FA4A4192977FF4E2457FB003238DCF60410	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	E0A335992BFCF4A297A27D10FFD9CB9EE0996E7C5488ADA8DAEADE34502503B5	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	8AFB61C21E30DC30C8F60C07B0783B9EED0686DCAEAC9125873FD7CAA8C0BE5C	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	3078911214F885A4E76B4951384F5322C33CA1BF3C688ACF0347F433A6E76B8B	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	02A7AD4DD5E0B9EFC097368D9FCC5077B89B0F2E2D6EA7CE27512B78FE232DCC	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	45E4C155EE48CCA3BFBA7D2081507D972018E822ABA9EDD3444CC01DDC4C3429	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	D9D7FD90B90EC1886BDCF65519559CD55EEC3FAA89B2D41B795C4EA4B976035E	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-201608	6A187A870233A203F0EB8C8CFCC8FCBF	07743E9840979BE2253E7A88096DF2D8C4ECE0FA5BAC85ACD60BA3B4DB4D8A3C	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-201609	4F8F016192AE42B66287A1C26535F5F7	308E434EBEE19688F2B3750FB321FFF691B04FDD0E205FB3626BAB014F2002F5	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	6B6A9D1C037F77FAA874E6109A493F1F84095C1D1524DBE28618DA488761B530	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	FF899F6E239DEC5CECAC3B8C0394AD163A39536693B280157224D89A7664462	CA was not deployed.
Citizen CA-201612	784AA0F66341DAB20169C714A16B7823	1CFA4E648A70108A8EC50B69645EC69FDF9EBB158709F7271700E3FDF70ED52F	CA was not deployed.
Citizen CA-201613	192F358A261AB6A1271E381686767DA7	CF61E7F85217771837DB257735905915A3F81ECD313F6109920EE5FC1710A7AB	CA was not deployed.
Citizen CA-201614	1A22B6B088F489A70ADF3E0F1A0EB748	9E9FE24F10A79C28EBDE6031851449FD88369DF3199F4976AC5C87F8F42C22F1	CA was not deployed.
Citizen CA-201615	1C1147C5C5F7055061E48CE180034940	270A3CD9E26ECC6B4FA8ED88CFF4ECA3808DA7A7DCBC7314D6C6554934D017F3	CA was not deployed.
Citizen CA-201616	3A9AFED1EF64B996870007EEA32CB21A	CA92703C76CB913A5EEDCE449B13CE3FB134913D08DC7BB5EF62477662766F90	CA was not deployed.
Citizen CA-201617	7ACB1822AF9071FD5C0F8C5BC5271635	ADE24CA7FE69147CC11C4991616D3CD4A36DFB7C6356CBF65CB9CC668C66370D	CA was not deployed.
Citizen CA-201618	4AB90E304B4058A1307D8D9EFF686248	340E31B68A93373B0F2EBE1DFCB96C9DD94D2586FC2BE9F8CC1526DDA7EBCF73	CA was not deployed.
Citizen CA-201619	667316421E88A2538AB9A06E61012997	33D76665DFC5DB286D6A96B5E094C3C1F4C1E26A940ACFD920638AAE599746D7	CA was not deployed.
Citizen CA-201620	2CE8B1E3FE333DFAE008F3C66670E020	4CF447C5C3AFC2C2D6D87AD48A1FCADF09AB16490F40B3DC81189ACF20430249	CA was not deployed.

CA ID	Serial Number	SHA256 Fingerprint	Status
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	59B459FEBBCFE34B37E654FF40B3FAE4	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.
Citizen CA-201630	3072C17AADD82D2A425EB52D6A158935	91A9CB699E38602597831D4327CC5D107517C2F6AC 1D74C096AEEBDC18CDEA63	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-201631	176BEC403E95D2D1D2CF19AC30A5B854	293D0BA3A31E5D82A8E3FAE12709932FFDDA44423 E0F733FB01EF123E73EB4DA	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	616917F0378082A126DD21D30DE72D17AD253AAEE B36D249A5B5522AC759A3C6	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	9083504511A9F5D0CFAD05F3AEB75FF7552D571E8D 0728DA988E3A5ACDF24445	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	D05D2E64C85960EE20443A28C8EE18A78BD56A41A F66663A25BC0639F85CE320	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	469AC573F177170B5E37CB76D1313EA4FDECBA26B8 BAC21A39DF8B4F49E613DF	CA was not deployed.
Citizen CA-201636	7CD58DB7756C72DD3468B8C0B68A9759	E11332AD35554DEFC65C237BD85477C953800554BC A0D637A1FB560E434FE2E4	CA was not deployed.
Citizen CA-201637	3DF44E12B62E384E7B02036399C4D5D4	977EB4FE15CC1731480CC3225D8AFE80AC1E1803B7 A142264F7DFDC68F1B8B35	CA was not deployed.
Citizen CA-201638	56C0DF1D6730863DDF5BEB0AF2E64339	1FA3D946D642BDD705F53FB860964F92181B97C960 7C84D65758ECE6A325B2B4	CA was not deployed.
Citizen CA-201639	4F869999667BED913384AE1C1E94C7E4	16AB66A3E9F6F156C70C873ACA4FED5C07C6E4BD8 CDC0AE4D0E0A9B8C0D1EDEA	CA was not deployed.
Citizen CA-201640	7818EDDFA517B35E07B19116CC6FDAD9	E8847A5CE52E70B15C083B25AE707693F068CE8B86 BB52959A6BC7C02257EF22	CA was not deployed.
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.

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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.
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.

CA ID	Serial Number	SHA256 Fingerprint	Status
Citizen CA-201714	4DCCFC6291A83CCB3FDB3849FAC27E9F	CB246CAF68D95009B4CC494DB19BD946A72AD359F3B4F8688280ED2FEE8A046A	CA was not deployed.
Citizen CA-201715	516E198D8C3FF57F0AA71E8B5A706A37	83F8F2F93CB8D39EF5A94BB6FAB7C3A3A2C8B6AEBF898515714ADF366204D7D1	CA was not deployed.
Citizen CA-201716	338EE92EF02961FDBDBC2476BD6F8079	91C0B4F1F941D725C163DC153A097982194AE5B7D7A7E9E47EEC1AC230FA85BE	CA was not deployed.
Citizen CA-201717	2683558D013BA3143A8A15DD597E6B92	24B56A0D2A72C7F52C5CEC5DC97674A23299D07636B61DCABE64C2CEE73D17F	CA was not deployed.
Citizen CA-201718	3F12D06B8E1A6B3324B8CEFE1FA1150E	2CB64FD1218A2DB270EBE16C23125384A29491DA2B616B5A680F294AD79F922A	CA was not deployed.
Citizen CA-201719	55BDCDEEAE0232CF4AF867D763ED0C	A3E4C7BB685B656F35E409F68A92465B2ED09A268E25B0A1D4560F6D5D2A64EB	CA was not deployed.
Citizen CA-201720	622080BF5304250321F8153A54CCBD5C	26E79A84FC6EEDF37F253D06BE4140FDA3814F5BC99C435F404447E963A7C043	CA was not deployed.
Citizen CA-201721	29B15ECF278BDA728BD03A3D3FBE7D69	58B385B76FD28E61F6CA61E1D5E41B32BD2B6FF511D2F5AEA0A4029304F4E48A	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	BA13056334CC755F5D27AAB0BE99E5CB9709D0343B405E1CE46964331BB5C45F	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-201723	1875D416C29725F0A640D625300DCE3C	30CC1FCCBBEC02E68991B9645920F9A996C127C2FCBD079584F1D78D887591B7	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	A8EB8FE099E986CD622D62115FEC730A705422F4D34659ECF17BDD6D265EF964	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	00176CD8356F2F492DD04A893001C6EF610B1EBCBB13C61FDFC3B705463A07CC	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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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 286DB5348445C2D4064395	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	C42485FDF232918E352A579F01896513FCCD55F28 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.
Citizen CA-201803	5E1F2D20FC8A9C5CBFF68F7EFCDD91AD	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	1E3D082EFF675473796FB9F54BB5AE5	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.

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Citizen CA-201806	79F3EE1569C5EC2462230880243222C3	7F01291F68BA2491D4B93DC0F983F3DBB6A143C3007AAB3E4A12043CAB5D39ED	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	96A075EDDD0729055A932AAE25870F7D1F5CF9E3901A7DC2CD8E916CC6E2B10B	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	E74644F46CDDDEE471FCFCD6548C5F333DBD122CA4A4E67D652D5B1699E147679	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	F78AE4D6DABC74640490AAE3637577A772E3CC27DF322B969C30979557F5920D	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	7F45258EA27B56FFCFD3BD9695A01D00833585B02CA2D4001F207CAE707D4CFD	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	F8AA6516517B38D350125B731E4CBA23A7507BF5CDFD3DEF3DB891BD1DC2D409	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	489CC9F0CD0E2937A10AD96A2375C0BD1031B3ECC54BD064D5858CC062B41B10	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-201813	21CBCC380DAD2C760F5FAB7856A6FBAF	0D7726AFD04A794887192D8BE67554C67A9626B67C69896B6AB14D93B6F52086	CA was not deployed.
Citizen CA-201814	12E174980E5F0E9D71DBFF409C844FEB	296C9E5357C9C1F21E9064A310D1B7F3DA8D10DEC4ABDEA7C372BB4C375B9BBE	CA was not deployed.
Citizen CA-201815	24033BD9C1D9F5A3CCB95214B6B33234	9726BE1FD62CCED3F3233615DC324CA0A7E787EB42273C8BE4CE3DD379BF9D70	CA was not deployed.
Citizen CA-201816	23271F2FC6FE1C417548B8C923AF9A9D	CC723CA484F1B044C7D42A2D49F173F77A54762E5DDEA44CE47B531F048F333A	CA was not deployed.

CA ID	Serial Number	SHA256 Fingerprint	Status
Citizen CA-201817	63770D1260575896BB369D602F8BC561	8ED517B4BCDF2F50E05E8C36EDD31732E92DE66FB D3801399C2C63DCF964A91B	CA was not deployed.
Citizen CA-201818	6605506AA2517C2AA744BEDE36032FE1	17EF6FB5C7BEDF2F0FE79E71B1BCCC8D89E75A0ADE 16F56EA3AAADD1D012ED8	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	838698186DD06F8E736C39CAFBD64E42D58ABA63 6CE2AD9DFF8D1855EA9790A	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-201902	39C83F4BBB019BF031237150C58B64DB	75A659CDBBE6C957E5414DB078C92126F63438218 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.
Citizen CA-201906	53B6B671C7294912741A1630A6B61BBA	9F0202D49258DAE41118AF13F055E6D0C6E876DFD 2943097A2BDE5452356098	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-201907	237615AD600D073526C5181C9073E613	B44C0630039F65E5DCE5717A7CB08CBED83E103B47 15358191CC4B22079305BA	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-201908	29FF73138AE0AAA085258270E1A2507E	8C3855B0AA0853F6537C7727AC416A24761C8A8139 E27D81E12B33EBB77385D8	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-201909	1893CA69916AC4C31DB30CE9F08B7A64	06AF8409CE5AD41E1B7ECFD321773E188695A7E9 0FE79633854A040B07F08A	CA issued certificates during the period 16 February 2019 to 15 February 2020.

CA ID	Serial Number	SHA256 Fingerprint	Status
Citizen CA-201910	350CB9DA7893C25C500FCD06C46D1943	F975F3CE3AECE2E8421682E998EBAF51DEA233934 D6BED0980396D4E9D305F3	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-201911	467144486643B1B9539A7BB70F2E1443	C1492EBA9F492ECBF6D4E4F11D39BC1A9013633FC0 7B5EE96301D7AD463BD76F	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-201912	0FCB5EDA190BE277570EBCC57479DBA5	174E9DAE6544A07C925CEAE3A000A03C92542693A 555C1FC9E60B98ECD3AC17E	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-201913	24ED17A18BE4C62D66CF82AFE74CCDA9	3E6936854B156FBB15EE9844C9EE3BBF92F8492897 A772F9092C52ED28507EBF	CA was not deployed.
Citizen CA-201914	06B32A6C8416D8371EF0C53AE5A38E7F	26CDECD13A446DEA1A0B7A1AACF17BB8051B6850 9E9900AD2541D0454A03FF5	CA was not deployed.
Citizen CA-201915	2A1177658C883283EDD485AC50F5B811	0BC3937072128B9E5BCC3A2C6A4E5531EFD3D96D3 02C1C8A0DF550FE078A083A	CA was not deployed.
Citizen CA-201916	2FF5A435A2AD1F29733A5DE3CC855842	7A77CBD458C6282B40F0337FD044A3E49A89CD27B 12C533D48361588A409D4E1	CA was not deployed.
Citizen CA-201917	6D3460DB870B0DC922DE1B7AEC658758	285261B13A392645ADCDC22E79594F8FCA8B6EF815 C96EA2508D8C689B35D490	CA was not deployed.
Citizen CA-201918	568B88342BFE6DC92935D01390970660	824074C21F1C2897F29C26FFDB82E4E6BBB859676A B556FF5C95C66C6F5818C8	CA was not deployed.
Citizen CA-201919	5E9351E953178313185D9FF5CABE156E	7774FAB7548982262B2FEBB4866439B30F84CBB2D1 03579DF9EB19D74B67FEEE	CA was not deployed.
Citizen CA-201920	44C39794BD6BF9361C913B5D0BC664B3	4AA826476300B7F04A4CB8EA04A3D34EEFDD73317 06AAA2B3770C763C6E9829C	CA was not deployed.
Citizen CA-202001	7FC2D35BD63A2460831D336DAF1D4ECE	4422E3A14185B167D7E4DB0851B630725B21423A41 40868317DFEFB3EC12F86	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202002	4B145DE3C0AC6B75FA12C1BBAE5D409F	CFB222597B2D055B4787DA723A748D7E2F4377DB7 C8B94F7FD99AF5BD2163FC9	CA issued certificates during the period 16 February 2019 to 15 February 2020.

CA ID	Serial Number	SHA256 Fingerprint	Status
Citizen CA-202003	3B4BF5327071014079119059260861DB	B9A885309E6CF3216FB6624907C6066D9999BC30D1 109CAE4FF33880D5DF3494	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202004	0A74E27B3A801917D0AFF903B7E6DCFF	FFC38D28344594F55F1B9A918C454FCB8ECEC6AE99 33FEF1A3D5094EEA406BF8	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202005	3859FC7C4C6475F2CEC87A7B88BFFFC3	F6CC04E18534619FB2D65F0E45B8B43BC8156B5D73 CD87ADB347D73EA8180DC1	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202006	04AF28E19AB81FF08AC36D159F15B818	FBF80097BCAEEAACA139FDBADEB5ADD98C91BB69A C1D4A669D4DE03E08354D4F	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202007	0FA13297EAAD73AD1BA8075D9168D9FC	0FE465686FEE2DCD0129A16A7D59BA2A2B33F6529 B59889753B83E0BEA3B7E04	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202008	02AB8C9F692351D0CF00D300EDE9183C	1A1F82592E033B620196CB84E6B61E85CB44899259 5E70EE29247BF5C1771D8C	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202009	40DBE9635DF10F284636F08E98799BB6	1BC3B2B46FAF00F0AD8E695E2B7593BD9347365D2C 6AFAB1490E360896EF6E4A	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202010	1F461261C97304DB884EDEC4D2D218E0	CF8A86E68036700194CB17A2873256B0C3F4F879B1 1E9CDED97F9BD949BBDACF	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202011	6E57B3B89189827C7AA2348810992384	0DC09BD7DDBD7C2C0AB8A068074C157374888FFA9 762900514CF0D59FAAF34BF	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202012	04DC5F11BAFD2B0780337D72CDB3583C	A5E24157D141ABD069F3A23BC3056DC4F46C668FB C1AA6E9C030A63816089086	CA issued certificates during the period 16 February 2019 to 15 February 2020.
Citizen CA-202013	08C2CFE49064658AC9BC1F16D7952A43	1911E28497AF92C20A01D08A98ED4261CC4B035564 B31C6FE49F33B944EFF4A1	CA was not deployed.
Citizen CA-202014	0D3269DF458D609DABE4F742111118BA	210C4F3072F8FC983C1F3A710D2FDAF3AB304D7BF6 CFE5F4B6DA457F57132D31	CA was not deployed.
Citizen CA-202015	2FC92BDA7950EF2C969E936845BE6944	C7CD02FAE5786874369F53457416EB7133571647FE 912209EFC4F077A8ED72E3	CA was not deployed.

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Citizen CA-202016	4592B2DCC58C0D986242715012A212B6	E61A48C33CF94AA7624A6144161A075A6965E6A4EB 4CD11C5EFBD1C797862D75	CA was not deployed.
Citizen CA-202017	5647175D9A45627F0772F6872F9F0CB1	C68C5599EDEBA15C11254381B01D15F2BC627FDDB 85E33A49207E31FE1F15D0D	CA was not deployed.
Citizen CA-202018	1559A75045745EEE4624043D5955439A	30AA858FF3C675264BB3AD047757DE5FC3078195AC C23876B458E7AA350499EB	CA was not deployed.
Citizen CA-202019	0FBBCBF1761AA2AF6F5DA212B5ACA881E	3F8FC8B3C4357891AEEA969F906A2F4F22DB565443 62830D01A40DFD69A17B34	CA was not deployed.
Citizen CA-202020	5585BC29ED82795B1C7E273B2FFC7992	52D9DF1B3AB19DC19DF0C40591A832D1A34731C28 0E296644B9630A4861352DC	CA was not deployed.
ForeignerCA-201301	240F4773772BCB4B18F7085EA66B3F70	1C90B0940CA88E810EE5995BB12B88BDAC0BEBA18 B708823B224EF0FE3AB56FA	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	483AC94F68E1985E5F46E90AFF623B4CB45AFF25E2E 98AE581D29B0B9F2DE761	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-201303	102A76FF5A9DA61152B83F36C9A71D78	4447EBD00CFA59B6C5D5D043E29FFBC162394F4FA2 0C4387CDFBB31D4EDEF92	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	F426B8C1C11413917824E0CD092FC06CE6A57D893F 906251FC03E979FD561605	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	39FC6647DB173AE1CBB77C5CFACF00384D0B7FD16 329E1CC5583E69605A06B02	CA was not deployed.
ForeignerCA-201401	757E87C2DA99D4745D3E08284C125474	7998F25DCDB5B11FF2AE9461BBD98D027DEF22E08E 5B82E4BAFBCB60B79ECE23	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-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.
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	CFD28EA7F34890EF88C588FEB03FC569437C7FA7BA A20641389B2822190B4E7B	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	7AC7769DAB465E9C82164ABCDA92878	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.

CA ID	Serial Number	SHA256 Fingerprint	Status
ForeignerCA-201603	4309587E2D8B427FA4EDF043F31F1FBA	710B50493830DB5524DB3D27E2197662ADF1976F71 F5364BB40FDF84205C3BC	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	E1022E01660FE9BAD493D06A1A882F95E3A5A22D3 A5D2E34C49B36D6B1D405EE	CA was not deployed.
ForeignerCA-201605	315928B6D35A87C0DE6649D3837EFF3A	89F35898183EDFAD0137E3A8A5E1533E5B765B221D A8982006BF3398AC39C3FC	CA was not deployed.
ForeignerCA-201606	2E710CEDE32BBC393C5A6AA5A781DF2D	6891BEA994B0308C1F40171D9B761EBE8DB02CB556 1621054C698310C91C2289	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	20116836B50867A6F32A8638D0D04F8DD6D2BB764 912B3A6986C0F7AA4ECD33B	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	266EC9C3415964780F75185B21470E9BE8CD3078F1 E3770AF89483F59DC2BE4A	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	F0143A302D2A0CBDD35D451AB6F986AD66A2150E5 F2CCE8E88D7B611830BB2ED	CA was not deployed.
ForeignerCA-201610	57DA0F54105FD046F84A14FEAADB5F49	42ADFD824169729FEB140B4706F377912072CF067F 3305E70FCCA544331A7C71	CA was not deployed.
ForeignerCA-201701	660DDAB0AE056853C4EB961A80E48524	919EAC3E460C26B6862F13C3A5582E7BA088FCC214 28E77DF00EEB78271A29AB	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	8388F05065B5983F932C2BE2E548984DF71AE07F6C BAC331B648F5288B370D74	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	9B04FDF981215F351DC0EC85AE1F81659FCB4A9A3F E7F9E1AB6218A2F36E8FAE	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-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.
ForeignerCA-201804	1D0E0B0F89D91B626ECC54E179488A9C	64EB57DA3549C26585E82C5E3CD5297DA0066563CDB484A555C552FC7677A620	CA was not deployed.
ForeignerCA-201805	2B6EBBD119B9765919D784A141D8A2B5	48E26C5904974D6A22E442FAE88A2A418290E00637B898720A13F2143ACD8EB6	CA was not deployed.
ForeignerCA-201901	1967138B3E5E0221C1783DE7903B74ED	4B96EFA12867B8ABF2AD9B4EDBFA29D9E089B183BB5CB7C81B8393FA696BD0C1	CA issued certificates during the period 16 February 2019 to 15 February 2020.
ForeignerCA-201902	65CE16DADF8359572F79E88B3E0C1903	96B2F80A23CA68E3CB5338AC5F68B37AAC19E2F3C086EEFD4A5341B11EAE5083	CA issued certificates during the period 16 February 2019 to 15 February 2020.
ForeignerCA-201903	30557E892AC525A9A84745D3314FA6EC	2D0BC865648EA075BA548EBFE16A2F991E8F9645FF21F6695F861079EA9E22CA	CA issued certificates during the period 16 February 2019 to 15 February 2020.

CA ID	Serial Number	SHA256 Fingerprint	Status
ForeignerCA-201904	25CCEDD199A2F4B631E14D75FC1E372A	5D8BD7B9DCBE50E11C16380BB7E1C59D462C5B72E90B7F210A68212EC0F9400C	CA was not deployed.
ForeignerCA-201905	D625EE2800A5082064C3F3BEB68D7E82	034F801474F99DC0D420E76115718AE1F66947393272673B9361FDB5E28937FC	CA was not deployed.
ForeignerCA-202001	49AA4606A86E014AFB21598A0ECD624A	9BED833321113A366D6F6CF379C56D4D8E70F3801AAC149C467DD547B95B8030	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	E8FA1693B8A59B5E9F9E9E1FCC4A483AFD4105E72557632E4DD435DAF436175F	CA issued certificates during the period 16 February 2019 to 15 February 2020.
ForeignerCA-202004	4DAC969EE177769BC79E06C704914B70	2A8B226F5CC5F7EA2CE0449EEB8A715F86BBAD2441E775DC5F89BF7FB065A616	CA was not deployed.
ForeignerCA-202005	038A6C581D58D9EB00CBCE467340F6F5	5FA5055F240D97634261391F069D67356890A66699AC353C8796C02087C3F625	CA was not deployed.
GovernmentAA 201301	54149FF889DCB130774594B82850893D	508FF6CC5D553819C633B37E91A666E4E6E3E00B05D7A7BA2B127ADF94A7931F	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.
GovernmentAA 201401	16FC53CEFF2B405F607B014EC7DFDF94	0E0257F0606B8BEE7CE9EBF45023CA4FDA21A2830C049C46ED2AFAE9B28607C2	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	B1738D367D09A70D1CEF3F7A00F971B350EBB86EAFEBE8AA9C964842D1F09690	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	6B55EC860109441C1BF67D6192265423FB49C8A450DAA1A18433EB625AF8273D	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
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.