

INDEPENDENT ASSURANCE REPORT

To the management of the National Authority for Electronic Certification of the People's Democratic Republic of Algeria ("Autorité Nationale de Certification Electronique" or "ANCE"):

Scope

We have been engaged, in a reasonable assurance engagement, to report on ANCE management's [statement](#) that for its Certification Authority (CA) operations in Algiers, Algeria and Annaba, Algeria throughout the period 1 April 2021 to 31 March 2022 (the "Period") for its:

1. National Root CA

ANCE has:

- disclosed its code signing ("CS") certificate lifecycle management business practices in its:

- [National Root Certification Authority CP/CPS, v1.1, 25 October 2020 \("CP/CPS"\)](#)
- [National Root Certification Authority CP/CPS, v1.2, 12 October 2021 \("CP/CPS"\)](#)

including its commitment to provide CS certificates in conformity with the applicable Baseline Requirements for the Issuance and Management of Publicly-Trusted Code Signing Certificates, and provided such services in accordance with its disclosed practices

- maintained effective controls to provide reasonable assurance that:
 - CS subscriber information was properly collected, authenticated (for the registration activities performed by ANCE) and verified; and
 - the integrity of keys and CS certificates it manages is established and protected throughout their life cycles.

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Code Signing Baseline Requirements v2.7](#).

ANCE operates a Root CA only and does not issue code signing certificates directly to end-entities.

Certification authority's responsibilities

ANCE's management is responsible for its statement, including the fairness of its presentation, and the provision of its described services in accordance with the WebTrust Principles and Criteria for Certification Authorities – Code Signing Baseline Requirements 2.7

Our independence and quality control

We have complied with the relevant rules of professional conduct / code of ethics applicable to the practice of public accounting and related to assurance engagements, issued by various professional accounting bodies, which are founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

The firm applies Canadian Standard on Quality Control 1, *Quality Control for Firms that Perform Audits and Reviews of Financial Statements, and Other Assurance Engagements*, 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.

Practitioner's responsibilities

Our responsibility is to express an opinion on management's statement based on our procedures. We conducted our procedures in accordance with Canadian Standard on Assurance Engagements 3000, *Attestation Engagements Other than Audits or Reviews of Historical Financial Information*, set out in the CPA Canada Handbook – Assurance. This standard requires that we plan and perform our procedures to obtain reasonable assurance about whether, in all material respects, management's statement is fairly stated, and, accordingly, included:



- (1) obtaining an understanding of ANCE's CS certificate lifecycle management business practices, including its relevant controls over the issuance, renewal, and revocation of CS certificates, CS Signing Authority certificates, and CS Timestamp Authority certificates;
- (2) selectively testing transactions executed in accordance with disclosed CS 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 ANCE 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

There are inherent limitations in the effectiveness of any system of internal control, including the possibility of human error and the circumvention of controls. For example, because of their nature, controls may not prevent, or detect unauthorised access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection to the future of any conclusions based on our findings is subject to the risk that controls may become ineffective.

Practitioner's opinion

In our opinion, throughout the period 1 April 2021 to 31 March 2022, ANCE management's statement, as referred to above, is fairly stated, in all material respects, in accordance with the WebTrust Principles and Criteria for Certification Authorities – Code Signing Baseline Requirements v 2.7

This report does not include any representation as to the quality of ANCE's services beyond those covered by the Web Trust Principles and Criteria for Certification Authorities – Publicly Trusted Code Signing Certificates v2.7, nor the suitability of any of ANCE's services for any customer's intended purpose.

Use of the WebTrust seal

ANCE'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.

Deloitte LLP
Chartered Professional Accountants
Toronto, Ontario, Canada
23 June 2022

CA IDENTIFYING INFORMATION

CA #	Cert #	Subject	Issuer	Serial Number	Key Type	Hash Type	Not Before	Not After	Extended Key Usage	Subject Key Identifier	SHA256 Fingerprint
1	1	C=DZ, O=AUTORITE NATIONALE DE CERTIFICATION ELECTRONIQUE, CN=National Root CA	C=DZ, O=AUTORITE NATIONALE DE CERTIFICATION ELECTRONIQUE, CN=National Root CA	1912cb4d418047498261b4a23c02d54c4d860594	RSA 4096-bit	SHA 256	Mar 8 18:37:30 2020 GMT	Mar 8 18:37:30 2045 GMT		068A41C68126289839DD9A1E00AFB132F00AEFC4	1C3464DFFE0C27C2640DB119DF2146D5EB7E7F8014DAEE0A50F8892C88F85716

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ANCE MANAGEMENT'S STATEMENT

National Authority for Electronic Certification of the People's Democratic Republic of Algeria ("Autorité Nationale de Certification Electronique" or "ANCE") operates the Certification Authority (CA) services known as:

1. National Root CA

The management of ANCE is responsible for establishing and maintaining effective controls over its CS CA operations, its CS CA business practices disclosure on its website which is available at <http://ca.pki.ance.dz/repository>, CS key lifecycle management controls, and CS 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, controls placed into operation can only provide reasonable assurance with respect to ANCE's Certification Authority operations.

ANCE management has assessed its disclosures of its certificate practices and controls over its code signing ("CS") CA services. Based on that assessment, in ANCE management's opinion, in providing its Certification Authority (CA) services in Algiers, Algeria and Annaba, Algeria, throughout the period 1 April 2021 to 31 March 2022, ANCE has:

- disclosed its code signing ("CS") certificate lifecycle management business practices in its:

- [National Root Certification Authority CP/CPS, v1.1, 25 October 2020 \("CP/CPS"\)](#)
- [National Root Certification Authority CP/CPS, v1.2, 12 October 2021 \("CP/CPS"\)](#)

including its commitment to provide CS certificates in conformity with the applicable Baseline Requirements for the Issuance and Management of Publicly-Trusted Code Signing Certificates, and provided such services in accordance with its disclosed practices

- maintained effective controls to provide reasonable assurance that:
 - CS subscriber information was properly collected, authenticated (for the registration activities performed by ANCE) and verified; and
 - the integrity of keys and CS certificates it manages is established and protected throughout their life cycles.

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Code Signing Baseline Requirements v2.7](#).

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LEHAM Mouloud – PMA Director
Autorité Nationale de Certification Electronique
23 June 2022

