

INDEPENDENT ASSURANCE REPORT

To the management of the Agence Nationale de Certification Électronique (“ANCE” or “TunTrust”):

Scope

We have been engaged, in a reasonable assurance engagement, to report on TunTrust management’s [statement](#), that for its Certification Authority (CA) operations at Tunis, Tunisia, throughout the period 1st October 2023 to 30 September 2024 for its CAs as enumerated in [Attachment C](#), TunTrust has:

- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Network Security v1.7](#).

Certification authority’s responsibilities

TunTrust’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 – Network Security v1.7.

Our independence and quality management

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

The firm applies International Standard on Quality Management (ISQM) 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services 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 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 statement is fairly stated, and, accordingly, included:

1. obtaining an understanding of TunTrust’s network and certificate system security to meet the requirements set forth by the CA/Browser Forum;
2. testing and evaluating the operating effectiveness of the controls; and
3. 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.

The relative effectiveness and significance of specific controls at TunTrust 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.



Opinion

In our opinion, throughout the period 1st October 2023 to 30 September 2024, TunTrust 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 – Network Security v1.7.

This report does not include any representation as to the quality of TunTrust's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities – Network Security v1.7, nor the suitability of any of TunTrust's services for any customer's intended purpose.

Use of the WebTrust seal

TunTrust's use of the WebTrust for Certification Authorities – Network Security seal constitutes a symbolic representation of the contents of this report, and it is not intended, nor should it be construed, to update this report or provide any additional assurance.

A handwritten signature in black ink that reads "Deloitte LLP".

Deloitte LLP
Chartered Professional Accountants
Toronto, Ontario, Canada
13 December 2024



ATTACHMENT C

LIST OF CAs IN-SCOPE FOR NETWORK SECURITY REQUIREMENTS

Root CAs
1. TunTrust Root CA 2. TnTrust Root CA - G1
OV SSL Issuing CA
3. TunTrust Services CA
Other CAs
4. TnTrust CA - QSign1

CA IDENTIFYING INFORMATION FOR IN-SCOPE CAs FOR NETWORK SECURITY REQUIREMENTS

CA #	Cert #	Subject	Issuer	Serial Number	Key Algorithm	Key Size	Digest Algorithm	Not Before	Not After	Extended Key Usage	EKU [RFC5280]	Subject Key Identifier	SHA256 Fingerprint
1	1	C=TN, O=Agence Nationale de Certification Electronique, CN=TunTrust Root CA	C=TN, O=Agence Nationale de Certification Electronique, CN=TunTrust Root CA	1302D5E2404C92 468616675DB4BB BBB26B3EFC13	rsaEncryption	4096 bits	sha256WithRSA Encryption	26 April 2019 08:57:56	26 April 2044 08:57:56			069A9B1F537DF1 F5A4C8D3863EA1 7359B4F74421	2E44102AB58CB854 19451C8E19D9ACF3 662CAFBC614B6A53 960A30F7D0E2EB41
2	1	CN=TnTrust Root CA - G1, O=AGENCE NATIONALE DE CERTIFICATION ELECTRONIQUE, C=TN	CN=TnTrust Root CA - G1, O=AGENCE NATIONALE DE CERTIFICATION ELECTRONIQUE, C=TN	3C892671A75CEC CD6A9C20802847 0A2DD39FF676	rsaEncryption	8192 bits	sha512WithRSA Encryption	21 September 2022 16:27:45	21 September 2047 16:27:45			CBA52528433E52 E3554672793D6F FCA95904EB56	54E84A8E9DA7F3BB 14F35C7F9C314B6EA B2739EB8086C8000F 00C0993C3E694C
3	1	C=TN, O=Agence Nationale de Certification Electronique, CN=TunTrust Services CA	C=TN, O=Agence Nationale de Certification Electronique, CN=TunTrust Root CA	601A7C2F6093B7 A673DA5F8C9C88 5F37A75897C0	rsaEncryption	4096 bits	sha256WithRSA Encryption	26 April 2019 10:23:31	26 April 2039 10:23:31	TLS Web Client Authentication, TLS Web Server Authentication	id-kp-clientAuth, id-kp-serverAuth	9F2517CE6F90AB 612FC147A9E02F 99135DFA2339	063627355C941A1C 93FC515CBAEF2F173 D4A646DDEB139CB8 C75C102222994F
4	1	CN=TnTrust CA - QSign1, O=AGENCE NATIONALE DE CERTIFICATION ELECTRONIQUE, C=TN	CN=TnTrust Root CA - G1, O=AGENCE NATIONALE DE CERTIFICATION ELECTRONIQUE, C=TN	63AD026B2F40B5 26906C38D0E6D2 AD8B3DF29E30	rsaEncryption	4096 bits	sha256WithRSA Encryption	21 September 2022 17:57:31	21 September 2042 17:57:31			48C0C1B5B68B12 3614366609A8CB 255DBA216978	A088363A6B1927E2 71E184C6F73CF5999 F190E6A4A205A418 2E017F8121D6331

TUNTRUST MANAGEMENT'S STATEMENT

The Agence Nationale de Certification Électronique (“ANCE” or “TunTrust”) operates the Certification Authority (CA) services as enumerated in [Attachment C](#), and provides SSL and non-SSL CA services.

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

TunTrust management has assessed its controls over its CA services. Based on that assessment, in providing its SSL and non-SSL Certification Authority (CA) services at Tunis, Tunisia, throughout the period 1st October 2023 to 30 September 2024, TunTrust has:

- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Network Security v1.7](#).

Ramzi Khlif, General Director
TunTrust – Agence Nationale de Certification Électronique
13 December 2024



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