

TRUSTFACTORY-CA MANAGEMENT'S ASSERTION

TrustFactory Certificate Authority ("TrustFactory-CA") operates the Certification Authority (CA) services known and enumerated in [Appendix A](#), and provides the following CA services:

- Subscriber registration
- Certificate renewal
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate validation
- Subordinate CA certification

The Management of TrustFactory-CA is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure on its website [<https://www.trustfactory.net/repository/>], CA business practices management, CA environmental controls, CA key lifecycle management controls, subscriber key lifecycle management controls, certificate lifecycle management controls, and subordinate CA 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 TrustFactory-CA's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

TrustFactory-CA's Management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in TrustFactory-CA's Management's opinion, in providing its Certification Authority (CA) services at Rosebank Operations Centre (6th Floor, 16 Baker Street, Rosebank, Johannesburg, 2196 (Rosebank Office Park)) and the Bryanston Data Centre Vault (57 Sloane Str., Bryanston), throughout the period 08 October 2018 to 07 October 2019, has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its:
 - [TrustFactory CP, v1.5, dated 05 March 2019](#)
 - [TrustFactory Client ROOT CA CPS, v1.5, dated 26 March 2019](#)
 - [TrustFactory Client ISSUING CA CPS, v1.6, dated 20 March 2019](#)
 - [TrustFactory SSL ROOT CA CPS, v1.5, dated 26 March 2019](#)
 - [TrustFactory SSL ISSUING CA CPS, v1.5, dated 21 November 2018](#)
- maintained effective controls to provide reasonable assurance that:
 - TrustFactory-CA's Certificate Practice Statements are consistent with its Certificate Policy

- TrustFactory-CA provides its services in accordance with its Certificate Policy and 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 TrustFactory-CA); and
 - subordinate 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 authorised individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorised and performed to maintain CA systems integrity

in accordance with the WebTrust Trust Service Principles and Criteria for Certification Authorities v2.1, and those provisions contained within Chapter 3 of the Accreditation Regulations of the Electronic Communications and Transaction Act of 2002, including the following:

CA Business Practices Disclosure

- Certification Practice Statement (CPS)
- Certificate Policy (CP)

CA Business Practices Management

- Certificate Policy Management
- Certification Practice Statement Management
- CP and CPS Consistency

CA Environmental Controls

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

CA Key Lifecycle Management Controls

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

- CA Key Archival and Destruction
- CA Key Compromise
- CA Cryptographic Hardware Lifecycle Management

Subscriber Key Lifecycle Management Controls

- Requirements for Subscriber Key Management

Certificate Lifecycle Management Controls

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

Subordinate CA Certificate Lifecycle Management Controls

- Subordinate CA Certificate Lifecycle Management

TrustFactory does not escrow its CA keys, does not provide subscriber key generation services, and does not provide certificate suspension services. Accordingly, our assertion does not extend to controls that would address those criteria.



Jayesh Nana
Chief Executive Officer

03/12/2019

Appendix A – In Scope CAs

CA Distinguished Name	SHA256 Fingerprint	SHA1 Fingerprint
CN = TrustFactory Client Root Certificate Authority OU = TrustFactory PKI Operations O = TrustFactory(Pty)Ltd L = Johannesburg S = Gauteng C = ZA	92 C4 DB 06 C4 2A 13 0D 66 35 74 D7 74 1B 7F 93 C8 06 FD 67 14 DC E8 90 E8 4B 56 8F AE 86 E6 4C	f9 0c c7 52 1e ab 33 f2 28 ea a8 35 e4 e5 02 92 e3 1d 28 1e
CN = TrustFactory Client Issuing Certificate Authority OU = TrustFactory PKI Operations O = TrustFactory(Pty)Ltd L = Johannesburg S = Gauteng C = ZA	7D 9F A2 C0 85 90 81 F7 8A BD 73 5C 49 7E 79 5E 54 0C 58 98 D0 5E FA F1 5A BD 46 5E A7 D1 12 93	35 fc 04 61 2c 60 9d 14 c7 d8 ca 5e 89 55 f3 90 cf ba e7 42
CN = TrustFactory SSL Root Certificate Authority OU = TrustFactory PKI Operations O = TrustFactory(Pty)Ltd L = Johannesburg S = Gauteng C = ZA	60 81 42 DA 5C 67 5D D4 7C 1A A3 A2 6E E3 29 E2 4E 81 D5 FF 3B 94 01 7B C1 C1 A0 C3 7D B4 C1 A0	d1 14 78 e8 e5 fb 62 54 05 93 d2 2c 51 57 0d 01 4e ac 76 d8
CN = TrustFactory SSL Issuing Certificate Authority OU = TrustFactory PKI Operations O = TrustFactory(Pty)Ltd L = Johannesburg S = Gauteng C = ZA	55 3D D1 6E C1 C1 FE 49 96 89 FA FC 17 6A EB 88 19 ED CA 29 42 7D 60 8B 19 88 76 4D 12 D9 91 68	2c 6c aa 0f 78 6b 1a 35 15 1e 38 58 74 74 28 f4 7c 8c 15 5e