



Ensured

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Ensured's Management's Assertion

IBAN NL96 INGB 0006 6811 07
BIC INGBNL2A

Ensured B.V. ("Ensured") operates the Certification Authority (CA) services known as the CAs as disclosed in appendix A and provides the following CA services:

- Subscriber Registration
- Certificate Renewal
- Certificate Rekey
- Certificate Issuance
- Certificate Distribution
- Certificate Revocation
- Certificate Validation
- Subscriber key generation and management

The management of Ensured 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, 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 Ensured's Certification Authority operations.

Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Ensured management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in Ensured management's opinion, in providing its Certification Authority (CA) services at Rogier van der Weydestraat 2, 1817 MJ Alkmaar, The Netherlands, throughout the period April 1, 2018 to March 31, 2019, Ensured has:

- Disclosed its Business, Key Life Cycle Management, Certificate Life Cycle Management and CA Environment Control practices in its:
 - [Certificate Practice Statement 1.0.8](#)
- Maintained effective controls to provide reasonable assurance that:
 - Ensured provides its services in accordance with its Certification Practice Statement.
- 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 Ensured); and
- 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 Principles and Criteria for Certification Authorities, Version 2.1](#), 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 & 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 Compromise

Subscriber Key Lifecycle Management Controls

- CA-Provided Subscriber Key Generation Services
- CA-Provided Subscriber Key Storage and Recovery Services
- Requirements for Subscriber Key Management

Certificate Lifecycle Management Controls

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

Ensured

Alkmaar, The Netherlands

Signed by: Maarten Bremer

Function: CTO

July 8, 2019

Appendix A – In-Scope CAs

Root CAs	SHA256 Hash
CN=Ensured Root CA, O=Ensured B.V., L=Heerhugowaard, S=Noord-Holland, C=NL	10:0C:F7:E1:37:3E:BD:AE:23:3E:5F:8B:1A:53:85:FD: AB:FE:E8:A3:1F:75:2E:33:21:9D:34:3D:E3:AF:BC:9C
CN=Ensured Root CA, O=Ensured B.V., L=Heerhugowaard, S=Noord-Holland, C=NL	22:A0:66:68:9A:C9:1C:79:7D:97:01:46:B0:BC:13:8E: 17:03:B9:DA:AB:A4:81:65:FD:25:61:79:2C:B7:02:92

Document Signing CAs	SHA256 Hash
CN=Ensured Document Signing CA, O=Ensured B.V., L=Heerhugowaard, S=Noord-Holland, C=NL	21:AA:FA:B7:AF:58:3E:28:65:98:CF:EC:A8:BD:43:58: C3:7D:7A:CE:D5:CB:63:70:AC:81:10:B8:39:8B:E4:76

Timestamp CAs	SHA256 Hash
CN=Ensured Timestamping CA, O=Ensured B.V., L=Heerhugowaard, S=Noord-Holland, C=NL	E3:96:A7:93:47:5E:B6:FF:15:0A:64:D6:13:3A:7E:E0: A2:C7:B6:77:5C:BE:EB:A6:95:B9:0D:A0:1D:81:A0:44