CERTIFICATE
of Conformity

TÜVRheinland®

Certificate No.: MK 69251067 0002

Report No.: TRI/ISU/2/2015

Certificate Holder: Netlock Ltd.
1101 Budapest, Expo tér 5-7.
Hungary

Services: **Certification Authority Services**

Identification: Issuing and management of qualified digital signature certificates (QCP public)
Issuing and management of qualified digital signature certificates (QCP public + SSCD)

Reviewed according to: ETSI TS 101 456 v.1.4.3 (2007-05)

Date of Validity: 2018-10-15

This certificate refers to the above mentioned services. The certificate is valid up to the date of validity provided that the test specifications and construction of the services remain unchanged during the period of validity.

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Date of Issue:

Budapest, 2015-10-22

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AUDIT REPORT (TRI/ISU/2/2015, 15/10/2015)

Audit Requirements

The audit requirements are defined in the technical specification ETSI TS 101 456: ETSI TS 101 456 V1.4.3 (2007-05) "Electronic Signatures and Infrastructures (ESI); Policy requirements for certification authorities issuing qualified certificate", Version V1.4.3, 2007-05, European Telecommunications Standards Institute.

The applicable ETSI certification policies are: QCP public, QCP public + SSCD

The audit object is the following Netlock's Certification Authority services:

- **Issuing and management of qualified digital signature certificates (QCP public)**
- **Issuing and management of qualified digital signature certificates (QCP public + SSCD)**

Audit result:

The audit object fulfils all applicable requirements from the audit criteria, as detailed in **TRI/ISU/2/2015, 15/10/2015.**

- All requirements for a CA Practice according to chapter 7 of the rules and standards together with the therein demanded measures are implemented in terms of the Certificate Policies (QCP public, QCP public + SSCD).
- The audited CA also takes the responsibility for the norm requirements fulfilment
- The CA provides the certification services according to the definitions of the Certificate Practice Statement.
- The Certificate Policy is part of an effective certificate policy management with regulations concerning responsibilities, communication and PDCA cycle.
- Netlock's CA services meets the following ETSI 101456 defined Certification Policies:
  - Issuing and management of qualified digital signature certificates (QCP public)
  - Issuing and management of qualified digital signature certificates (QCP public + SSCD)

Summary of the audit requirements

The ETSI specification ETSI TS 101 456 contains the following requirements:

1 Certification Practice Statement (CPS)

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The CA has a presentation of its practices and policies.

2 Public Key Infrastructure – key management life cycle

The CA ensures that CA keys are created under controlled conditions.

The CA ensures that private CA keys are treated confidentially and that their integrity is maintained.

The CA ensures that the integrity and authenticity of the (published) CA public keys together with all associated parameters are preserved.

The CA does not generate nor store private signature keys of the certification owner (subject).

3 Public key infrastructure – certificate management life cycle

The CA ensures that the identification confirmation of a participant (subscriber) and of a certificate owner (subject) as well as the correctness of their names and their related data are either checked as part of the defined service or proved by attestations from appropriate and licensed sources. It also ensures that applications for a certificate take place in a correct and authorized way, completely according to the collected proofs respectively attestations.

The CA ensures that the certificates are handed out in a secure way so that their authenticity is maintained.

The CA ensures that the legal terms and conditions are made available to the participants (subscriber) and to the relying parties.

The CA ensures that certificates are made available to the participants (subscriber), certificate owners (subject) and relying parties to the extent necessary.

The CA ensures that certificates are blocked at short notice using authorized and verified blocking queries.

4 CA Management and Operation

The CA ensures that the applied administrative and management methods are appropriate and correspond to acknowledged standards.

The CA ensures that the objects and information worthy of protection receive an appropriate protection.

The CA ensures that the employees and the hiring procedures amplify and support the CA Company's trustability.
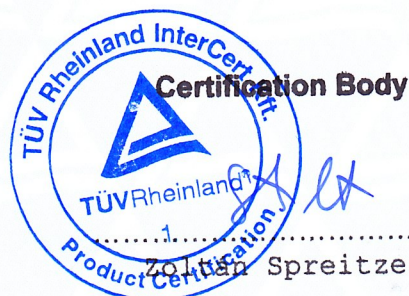
The CA ensures that physical access to critical services is controlled and that the physical risks for the objects worthy of protection are minimized.

The CA ensures that the CA systems are operated safely, according to specification.

The CA ensures that the access to the CA systems is restricted to appropriate, authorized persons.

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The CA is to use trustworthy systems and products that are protected against modifications.

The CA ensures that in case of a catastrophe the operation is restored as soon as possible.

The CA ensures that in case of a cessation of the CA operation the potential interference of users (subscriber) and relying parties is minimized and that the continued maintenance of records that are required as proof of certification in legal proceedings is given.

The CA ensures that statutory requirements are met.

The CA ensures that all relevant information of a certificate is recorded for a reasonable period of time, especially for the purpose of proof of certification in legal proceedings.

5 Organization

The CA ensures that its organization is reliable.

Microsoft Root program conformance

The Microsoft root program needs to audit CAs for ETSI 101 456 V1.4.3 or later for the following EKUs:

- Non-EV Code Signing and Time stamping
- Secured Email (S/MIME)
- Client Authentication (without Server Authentication)
- Document Signing

Examination was also conducted in accordance the Microsoft root program and the CA conform with these Requirements too.

Scope clarifications

The audit took place in between 12-14 of October, 2015.

The audit period was from 15.10.2014 to 14.10.2015.

The Certificate and its annex was issued on 22.10.2015.

The audit covered all roots, non-limited sub-roots, and cross-signed non-enrolled roots, under the root, and the scope of the audit contained the full PKI hierarchy, as it is documented in the PDS version of Netlock in 14.10.2015.

The ETSI 101 456 audit covered the following roots and sub-roots specifically:

Short name in structure	Full name	CA availability	CRL availability
SHA2 GOLD	NetLock Arany (Class Gold) Főtanúsítvány	www.netlock.hu/index.cgi?ca=gold	www.netlock.hu/index.cgi?crl=gold
SHA2 PLATINUM	NetLock Platina (Class Platinum) Főtanúsítvány	www.netlock.hu/index.cgi?ca=platinum	www.netlock.hu/index.cgi?crl=platinum

Certification Body

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SHA2 Q EAT	NetLock Minősített Eat. (Class Q Legal) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cqlca	www.netlock.hu/index.cgi?crl=cqlca
SHA2 QS EAT	NetLock Minősített Eat. (Class Q Legal S) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cqlsca	www.netlock.hu/index.cgi?ca=cqlsca
SHA2 A EAT	NetLock Közjegyzői Eat. (Class A Legal) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=calca	www.netlock.hu/index.cgi?crl=calca
SHA2 B EAT	NetLock Üzleti Eat. (Class B Legal) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cblca	www.netlock.hu/index.cgi?crl=cblca
SHA2 C EAT	NetLock Expressz Eat. (Class C Legal) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cclca	www.netlock.hu/index.cgi?crl=cclca
SHA2 A	NetLock Közjegyzői (Class A) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=caca	www.netlock.hu/index.cgi?crl=caca
SHA2 B	NetLock Üzleti (Class B) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cbca	www.netlock.hu/index.cgi?crl=cbca
SHA2 C	NetLock Expressz (Class C) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=ccca	www.netlock.hu/index.cgi?crl=ccca
SHA2 MKB EAT	MKB Tanúsítványkiadó	http://crl.mkb.hu/CA4.crt	http://crl.mkb.hu/CA4.crl
SHA2 MNB EAT	MNB Eat. Tanúsítványkiadó	http://cdp.mnb.hu/LHSZ1.crt	http://cdp.mnb.hu/LHSZ1.crl
SHA2 KELER EAT	KELER Eat. Tanúsítványkiadó	http://www.keler.hu/crl/lhsz2.crt	http://www.keler.hu/crl/lhsz2.crl
SHA2 MNB	MNB Tanúsítványkiadó	http://cdp.mnb.hu/LHSZ1.crt	http://cdp.mnb.hu/LHSZ1.crl
SHA2 KELER	KELER Tanúsítványkiadó	http://www.keler.hu/crl/lhsz2.crt	http://www.keler.hu/crl/lhsz2.crl
SHA1 QA	Netlock Minositett Kozjegyzoi (Class QA) Tanusitvanykiado	www.netlock.hu/index.cgi?ca=mshea	www.netlock.hu/index.cgi?crl=mshea
SHA1 A	Netlock Kozjegyzoi (Class A) Tanusitvanykiado	www.netlock.hu/index.cgi?ca=kozjegyzoi	www.netlock.hu/index.cgi?crl=kozjegyzoi
SHA1 B	Netlock Uzleti (Class B) Tanusitvanykiado	www.netlock.hu/index.cgi?ca=uzleti	www.netlock.hu/index.cgi?crl=uzleti

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SHA1 C	Netlock Expressz (Class C) Tanusitvanykiado	www.netlock.hu/index.cgi?ca=expressz	www.netlock.hu/index.cgi?crl=expressz
SHA1 MKB	Netlock controlled CA for MKB Bank, Hungary	already archived	already archived
SHA1 MNB	Netlock controlled CA for MNB Bank, Hungary	already archived	already archived
SHA1 OnlineSSL	Netlock OnlineSSL Hitelesito Alegyseg"	already archived	already archived
SHA2 KI Q	NetLock Minősített Közigazgatási (Class Q) Tanúsítványkiadó	https://www.netlock.hu/index.cgi?ca=mkozig256	https://www.netlock.hu/index.cgi?crl=mkozig256
SHA2 KI B	NetLock Közigazgatási Üzleti (Class B) Tanúsítványkiadó	https://www.netlock.hu/index.cgi?ca=bkozig256	https://www.netlock.hu/index.cgi?crl=bkozig256

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