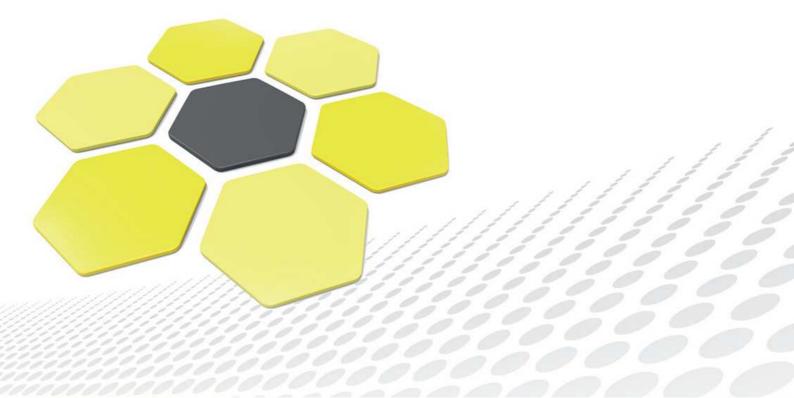# e-Szignó Certification Authority

eIDAS conform
Non-Qualified Electronic Signature
Certificates
Disclosure Statement

ver. 2.3

Date of effect: 30/04/2017

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Microsec Micro Software Engineering & Consulting Private Company Limited by Shares

Hungary, H-1031 Budapest, Záhony u. 7. D

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2.2	Changes according to the auditor comments.	30/10/2016	Sándor Szőke, Dr.
2.3	Changes according to the NMHH comments.	30/04/2017	Sándor Szőke, Dr.

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1   Introduction

This document is the *Disclosure Statement* concerning the not qualified signing service of e-Szignó Certification Authority operated by Microsec   Micro Software Engineering & Consulting Private Company Limited by Shares (hereinafter: Microsec or *Certification Authority*).

The *Disclosure Statement* contains comprehensive information of the conditions for consumers using the service corresponding to the provisions of the *Certification Practice Statement*, according to the provisions of the decree 24/2016. (VI. 30.) of Ministry of Interiors concerning detailed requirements for trust services and their providers.

The *Disclosure Statement* complies with the requirements imposed by eIDAS regulation [1], the service provided in accordance with these regulations is a trust service according to the regulation.

The   *Certification Authority* announced the trust service provision on the 1st of July 2016. to the National Media and Infocommunications Authority.

1.1   Document Name and Identification

Issuer	e-Szignó Certification Authority
Document name	eIDAS conform
	Non-Qualified Electronic Signature Certificates
	Disclosure Statement
Document version	2.3
Date of effect	30/04/2017

The listing and identification information of the *Certificate Policies* that can be used according to the present *Disclosure Statement*   can be found in section 1.1.1.

1.1.1   Certificate Policies

All *Certificate*s issued by the   *Certification Authority*   refers to that *Certificate Policy* based on which they were issued.

The   *Certification Authority* issues *Certificate*s according to the following *Certificate Policies* based on the present *Disclosure Statement*:

OID	DENOMINATION	SHORT NAME

1.3.6.1.4.1.21528.2.1.1.49.2.2	Non-qualified for electronic signature creation and and validation, belonging to the III. certificate class, for natural persons controlling *Certificate*s issued on *Hardware Security Module*, Certificate Policy prohibiting the use of pseudonyms.	HATHN
1.3.6.1.4.1.21528.2.1.1.75.2.2	Non-qualified code signing, belonging to the III. certificate class, for natural persons controlling *Certificate*s issued on *Hardware Security Module*, Certificate Policy prohibiting the use of pseudonyms.	HKTHN
1.3.6.1.4.1.21528.2.1.1.50.2.2	Non-qualified for electronic signature creation and and validation, belonging to the III. certificate class, for natural persons controlling *Certificate*s issued by software, Certificate Policy prohibiting the use of pseudonyms.	HATSN
1.3.6.1.4.1.21528.2.1.1.76.2.2	Non-qualified code signing, belonging to the III. certificate class, for natural persons controlling *Certificate*s issued by software, Certificate Policy prohibiting the use of pseudonyms.	HKTSN
1.3.6.1.4.1.21528.2.1.1.53.2.2	Non-qualified for electronic signature creation and and validation, belonging to the II. certificate class controlling the issuance of Certificates, Certificate Policy prohibiting the use of pseudonyms.	KATxN
1.3.6.1.4.1.21528.2.1.1.77.2.2	Non-qualified code signing, belonging to the II. certificate class controlling the issuance of Certificates, Certificate Policy prohibiting the use of pseudonyms.	KKTxN
1.3.6.1.4.1.21528.2.1.1.54.2.2	Non-qualified for electronic signature creation and and validation controlling the issuance of Certificates, pseudonymous Certificate Policy.	HAxxA, KAxxA

The detailed requirements of the listed *Certificate Policy*(s) can be found in " e-Szignó Certification Authority – eIDAS conform Non-Qualified Electronic Signature Certificate Policies ver.2.2." [5]

Among the present *Certificate Policies*:

- each *Certificate Policy* complies with the [LCP] *Certificate Policy* defined in the ETSI EN 319 411-1 [3] standard;

- except the [KATxN], [KKTxN], [HAxxA], [KAxxA] *Certificate Policy* each *Certificate Policy* complies with the [NCP] *Certificate Policy*;

- the [HATHN], [HKTHN] *Certificate Policies* comply with the [NCP+] *Certificate Policy*.

Compliance with the ETSI Certificate Policies

	[LCP]	[NCP]	[NCP+]
HATHN	X	X	X
HKTHN	X	X	X
HATSN	X	X	
HKTSN	X	X	
KATxN	X		
KKTxN	X		
HAxxA	X		
KAxxA	X		

1.2   Geographical Scope

The present *Disclosure Statement* includes specific requirements for services primarily provided for Hungarian *Client*s, operating by the Hungarian law in Hungary in Hungarian language. The *Certification Authority* can extend the geographical scope of the service, in this case, it shall use not less stringent requirements than those applicable to Hungarian conditions.

1.3   The Trust Service Provider

1.3.1   Data of the Provider

Name:	MICROSEC Micro Software Engineering & Consulting Private Limited Company by Shares
Company registry number:	01-10-047218 Company Registry Court of Budapest
Head office:	1031 Budapest, Záhony street 7. D. building
Telephone number:	(+36-1) 505-4444
Fax number:	(+36-1) 505-4445
Internet address:	`https://www.microsec.hu`, `https://www.e-szigno.hu`

The access of the *Certificate Policy*, the *Certification Practice Statement* and the Privacy Policy:

- `https://e-szigno.hu/en/pki-services/`
  `certificate-policies-general-terms-and-conditions.html`

The access of the price list:

- `https://e-szigno.hu/hitelesites-szolgaltatas/arlista/`

Refund:

The termination of the service agreement does not affect the fees paid by the *Subscriber*.

The *Certification Authority* does not issue refunds on fees that have already been paid, unless the service agreement expires due to the *Certification Authority*'s fault, or if the *Certification Authority* explicitly allows for this – for example in case of several packages.

The access of the Hungarian national trust list:

- human readable PDF format: `http://www.nmhh.hu/tl/pub/HU_TL.pdf`

- machine-processable XML format: `http://www.nmhh.hu/tl/pub/HU_TL.xml`

The register of the National Media and Infocommunications Authority on trust services is available on the following link:

`http://webpub-ext.nmhh.hu/esign2016/`

The access of the service agreement:

The *Certification Authority* sends the service agreement to be concluded with the *Client*ss to the notification e-mail address of the *Subject* given during initial registration.

1.3.2   Contact information of the customer service

The name of the provider unit:	e-Szignó Certification Authority
Customer service:	1031 Budapest, Záhony street 7., Graphisoft Park, D building
Office hours of the customer service:	on workdays between 8:30-16:30 by prior arrangement
Telephone number of the customer service:	(+36-1) 505-4444
E-mail address of the customer service:	`info@e-szigno.hu`
Service related information access:	`https://www.e-szigno.hu`
Place for registering complaints:	Microsec zrt. 1031 Budapest, Záhony str. 7., Graphisoft Park, D building
Relevant Consumer Protection Inspectorate:	Budapest Capital Authority for Consumer Protection 1052 Budapest, Városház str. 7. 1364 Budapest, Pf. 144.
Relevant Arbitration Board:	Arbitration Board of Budapest 1016 Budapest, Krisztina krt. 99. III. em. 310. Mailing address: 1253 Budapest, Pf.: 10.

1.4   Certificate Types

The *Certificate Policies* supported by the *Certification Practice Statement* corresponding to the not qualified signing service are presented in section 1.2.1 of the *Certification Practice Statement*. The ID of the applied *Certificate Policy* is always indicated in the "Certificate Policies" field of the *Certificate*.

The e-Szignó Certification Authority provides various certificate types for its *Client*s, which mainly differ concerning their properties and data authentically bound to the *Subject*.

- *Organizational Certificate* means a *Certificate* wherein the *Subject* is an *Organization*, a device under the control of the *Organization* or the *Certificate* attests the relationship of a natural person *Subject* with the *Organization*. In this case, the name of the *Organization* is indicated in the "O" field of the *Certificate*. This type of a *Certificate* can only be used as specified by the *Organization*. In case of an *Organizational Certificate* issued to a natural person, further restrictions can be indicated in the "Title" field, related to the usage of the *Certificate*.

- *Certificate for Automatism* means a *Certificate* wherein the denomination of the IT device (application, system) is indicated amongst the *Subject* data in the *Certificate*, by the help of the *Subject* uses the *Certificate*.

- Pseudonymous *Certificate* means a *Certificate* wherein not the official denomination of the *Subject* is in the *Certificate*. In the pseudonymous *Certificate*s the requested name is indicated in the "Pseudonym" field, and it is stated in the "CN" field that the *Certificate* contains a pseudonym.

- Personal *Certificate* means a *Certificate* that does not contain either an "O" or a "Title" field. This type can only be issued to natural persons.

The e-Szignó Certification Authority issues *Certificate*s for natural persons and legal persons. In case of *Certificate*s issued to legal persons the authorized representative natural person or a trustee authorized by the representative need to act on behalf of the legal person.

1.5   Certificate Usage

1.5.1   Appropriate Certificate Uses

The private keys belonging to the end-user *Certificate*s issued by the   *Certification Authority* based on   the present service can be only used for   electronic signature creation, with the *Certificate*s the *electronic signature creator* can verify the authenticity of the documents signed by him.

The public key in the *Certificate*, the *Certificate* itself, the *Certificate* revocation lists, the *Time Stamp*s and the online revocation status responses can be used for the electronic signature.

1.5.2   Prohibited Certificate Uses

*Certificate*s issued in accordance with the present *Certificate Policies*, and the private keys belonging to them   using for other purposes than the generation and verification of electronic signature is prohibited.

1.6   Supervisory body

The *Certification Practice Statement*s and the provision of the services are supervised by the National Media and Infocommunications Authority. The National Media and Infocommunications Authority maintains a register on the *Certificate Policies* and on the *Certification Authority*s applying these policies.

The register of the National Media and Infocommunications Authority on trust services is available on the below link:

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http://webpub-ext.nmhh.hu/esign2016/
```

2   Identification and Authentication

2.1   Initial Identity Validation

The   *Certification Authority* can use any communication channel within the limits provided by law, for the verification of the identity of the person or organization requesting the *Certificate*, and for checking the authenticity of the data provided.

The   *Certification Authority* may refuse the issuance of the required *Certificate* at its sole discretion, without any apparent justification.

2.1.1   Method to Prove Possession of Private Key

Prior to the issuance of a *Certificate* the   *Certification Authority* ensures and makes sure that the *Certificate* requester owns and has it under his control the private key belonging to the public key of the *Certificate* .

If the   *Certification Authority* generates within its organization the private key belonging to the *Certificate* of the *Subject* – typically on *Hardware Security Module* in case of *Certificate Policies* requiring such – , then it does not have to specially verify that the *Subject* owns the private pair of the public key to be verified.

If the *Subject* requests the *Certificate* issuance for a key provided by it – typically in case of software certificates –, then the   *Certification Authority* accepts the *Certificate Application* in PKCS#10 format, which at the same time confirms, that the owner of the private key asked for the *Certificate* indeed.

The *Certification Authority* considers equivalent evidence that the *Subject* submits the *Certificate Application* with the public key to be included in the requested *Certificate* signed with the use of a valid *Certificate* based electronic signature.

2.1.2   Authentication of an Organization Identity

The identity of the *Organization* is verified in the following cases:

- if the *Subject* of the *Certificate* to be issued is the *Organization*;

- if the *Subject* of the *Certificate* to be issued is the device or system operated by the *Organization*;

- if the *Certificate* is issued to a natural person, but the name of the *Organization* is indicated on the *Certificate* as well.

Furthermore it is verified in these cases, that:

- whether the natural person acting on behalf of the *Organization* is entitled to act on behalf of the *Organization*;

- whether the *Organization* consented to the issuance of the *Certificate*.

For performing the verification, the *Client* shall give the following data:

- the official denomination and registered office of the *Organization*,

- official registration number of the *Organization* (e.g. company registration number, tax identification number), if applicable;

- the name of the organization unit within the *Organization*, if its indication in the *Certificate* is requested,

- in case of an *Organizational Certificate* issuance to a natural person, the role of the *Subject* within the *Organization*, if its indication in the *Certificate* is requested.

The following certificates and evidences have to be attached to the *Certificate Application*:

- the statement with the application submitter's manual signature on that the data given for the *Organization* identification is correct and comply with reality;

- a declaration of the the applicant with his signature that there is no trademark amongst the data to be indicated in the *Organization Certificate*, or if included, proof that the *Organization* is entitled to use the trademark;

- a certificate regarding that on behalf of the organization the *Certificate* application submitter natural person is entitled to submit the application [1];

- in case of an *Organizational Certificate* issuance to a natural person, the certificate regarding that the organization consents to that the name of the organization is indicated on the certificate issued to the natural person [2];

- the specimen signature of the person entitled to represent the *Organization* or other, official document equal to the specimen signature, which contains the name and signature of the persons entitled to represent the *Organization* [3];

- the *Organization* existence, name and the legal status verification document [4].

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[1]Section 2.1.5. contains the details regarding the verification of the authorizations and privileges.

[2]Section 2.1.5. contains the details regarding the verification of the authorizations and privileges.

[3]In case of Court of Registration registered firms the above documents can be acquired by the *Certification Authority*.

[4]In case of Court of Registration registered firms the above documents can be acquired by the *Certification Authority*.

The *Certification Authority* is bound to verify the validity and authenticity of the presented documents in authentic databases.

The *Certification Authority* does not exclude the verification of *Organization*s registered abroad, as far as the data verification with adequate records of the country or obtaining a certificate issued by a trusted third party is feasible.

In respect of data verification, the *Certification Authority* accepts:

- certificate issued by the embassy or consulate of the foreign country in Hungary, that the organization exists and the given information is correct;

- certificate issued by a Hungarian embassy or consulate in a foreign country, that the organization exists and the given information is correct.

The *Certification Authority* can accept other documents and evidences too, if it makes sure that the level of security is the same as of the above. Obtaining such evidence and submitting it to the *Certification Authority* is the *Client*'s responsibility.

The *Certification Authority* only accepts valid documents, and evidences not older than 3 months.

The *Certification Authority* does not issue the *Certificate* if it considers that based on its internal rules it can not verify with corresponding confidence the certificate, document or the data of the foreign organization.

The *Certification Authority* guarantees by the proper usage of the trusted roles and the internal administrative processes that during the registration and verification process of the personal data at least two employees needed by the proper trusted roles.

2.1.3   Authentication of an Individual Identity

The natural person's identity shall be verified:

- if the *Subject* of the *Certificate* to be issued is a natural person;

- if a natural person is acting on behalf of an *Organization* for *Organizational Certificate* application.

1. During personal identification.

   In case of *Certificate*s belonging to the III. certification policy:

   - the natural person shall appear in person at the *Registration Authority* to perform the personal identification;

   - the identity of the natural person is verified during personal identification based on a suitable official proof of identity card;

- the natural person shall verify the accuracy of the data for the registration and identity verification with a statement signed with a handwritten signature;

- the validity of the identification data used for personal identification is checked by the *Registration Authority* with the help of a trusted third party or a public register;

- the *Certification Authority* verifies, whether any alteration or counterfeiting happened to the presented identity cards.

In case of *Certificate*s belonging to the II. certification class:

- there's no need for personal meeting for the identification of the person, in such cases the *Certification Authority* can identify the *Subject* remotely;

- the *Subject* sends a copy of one of its official identity cards suitable for identity verification to the *Certification Authority*.

- The *Certification Authority* performs data reconciliation with public registers in case of certificates belonging to the II. certification class.

- The *Subject* can prove its identity at its own discretion according to the III. certification class.

The *Certification Authority* verifies the identity of foreign citizens with the help of their passport or other, personal identification documents, in this case it performs data reconciliation with the proper records of the country, if such records are available. Additional steps are necessary for verifying the foreign document with appropriate confidence, as well as to access the foreign register. In respect of data verification, the *Certification Authority* accepts:

- certificate issued by the embassy or consulate of the foreign country in Hungary, that the organization exists and the given information are correct;

- certificate issued by a Hungarian embassy or consulate in a foreign country, that the organization exists and the provided information is correct.

The *Certification Authority* can also accept other documents and evidences, if it makes sure that the level of security is the same as of the above. Obtaining such evidence and submitting it to the *Certification Authority* is the *Client*'s responsibility.

The *Certification Authority* only accepts valid documents and evidences not older than 3 months.

The *Certification Authority* does not issue the *Certificate* if it considers that based on its internal rules, that it can not verify with corresponding confidence the certificate, document or the data of the foreign organization.

2. Remotely using an electronic identification device, with respect to that the physical presence of a natural person or a representative entitled to represent the legal person before issuing qualified certificates has been guaranteed, and which complies with the substantial or high security levels defined in Article 8 of eIDAS regulation [1]. In these cases:

   - In addition, during identification besides subject's name an identification number or other data accepted on a national level that enables that natural persons can be distinguishable from others of the same name shall be supplied.

   - The identification data used for personal identification is checked by the *Registration Authority* with the help of a trusted third party or a public register.

3. By identification traced back to an electronic signature certificate. In this case:

   - The *Subject* submits the *Certificate Application* in electronic format with an electronic signature based on a non-pseudonymous *Certificate* with a safety classification not lower than the requested *Certificate* .

   - The electronically signed *Certificate Application* shall contain the data needed for the definit identification of the natural person.

   - The authenticity and confidentiality of the *Certificate Application* shall be verified on the whole certification chain.

   - The   *Certification Authority* may accept only those electronic signatures, which are based on a *Certificate* issued by a Trust Service Provider which is listed on the Trusted List of one of the EU member states and was valid at the time of the signature creation.

   - The identification data used for personal identification is checked by the *Registration Authority* with the help of a trusted third party or a public register.

The   *Certification Authority* uses the data reconciled during a previous identification procedure, if the *Subject* requests new *Certificate* instead of an expired or a revoked one, or if he requests a new *Certificate* besides the existing one during the validity period of the service agreement. The authenticity of the *Certificate* application, the accuracy of the data to be in the *Certificate* and the identity of the person submitting the application shall also be checked.

The   *Certification Authority* guarantees by the proper usage of the trusted roles and the internal administrative processes that during the registration and verification process of the personal data at least two employees needed by the proper trusted roles.

2.1.4   Non-Verified Subscriber Information

Only that data can be in the *Certificate* issued by the   *Certification Authority*, which was verified by the   *Certification Authority* or on the authenticity of which the *Subject* made a statement

with recognition of their criminal liability.   The only exception is the pseudonym indicated in the *Certificate*s issued according to a pseudonymous *Certificate Policy*   [HAxxA, KAxxA]   appearing in the "Pseudonym" field.

2.1.5   Validation of Authority

The identity of the natural person representing the legal person is verified according to the requirements of Section 2.1.3. before issuing an *Organizational Certificate*.

The right of representation of the natural person shall be verified.

Persons entitled to act on behalf of an *Organization*:

- a person authorized to represent the given *Organization*,

- a person who is mandated for that purpose by an authorized person to represent the *Organization*,

- an *Organization* administrator appointed by an authorized person to represent the *Organization*,

An organization administrator is a person who is eligible to act during the application, suspension, reinstatement and revocation of the *Certificate*s issued to the *Organization*   and to grant the issuance of organization related personal certificates and the revocation of such *Certificate*s .

The organization administrator can be appointed during *Certificate* application, or anytime later with the help of the corresponding form. The identifier information of the designated person(s) shall be given on the form, by which he/she can be identified in later litigation. The form shall be (manually or qualified electronically) signed by the representative of the *Organization*, which is verified by the registration associate of the   *Certification Authority* when received. Appointing an organization administrator is not mandatory, and multiple organization administrators can be appointed too. If there is no appointed organization administrator, then the person entitled to represent the *Organization* can perform this task.

2.1.6   Criteria for Interoperation

The   *Certification Authority* does not work together with other Certification Authorities during the provision of the service.

2.2   Privacy policy

The *Certification Authority* treats *Client*s' data according to legal regulations. The related Privacy policy is accessible from the webpage of the *Certification Authority* (`https://e-szigno.hu/letoltesek/dokumentumok-es-szabalyzatok/`), and for more information see section 9.3 of the *Certification Practice Statement*.

3   The Requirements for Certificates

3.1   Key Pair and Certificate Usage

3.1.1   Subscriber Private Key and Certificate Usage

The *Subject* shall only use its private key corresponding to the *Certificate* for electronic signature creation,   and any other usage (for example, authorization and encryption) is prohibited.

A private key corresponding to an expired, revoked, or suspended *Certificate* shall not be used for electronic signature creation.

The *Subject* is bound to ensure the adequate protection of the private key and the activation data (password or PIN code).

The limitations determined in Section 1.5. have to be followed during the usage.

3.1.2   Relying Party Public Key and Certificate Usage

To retain the level of security guaranteed by the   *Certification Authority*, in the course of accepting the electronic signature verified,   the *Relying Party* is recommended to proceed prudentially particularly regarding to the following:

- the *Relying Party* shall verify the validity and revocation status of the *Certificate*;

- *Certificate*s for electronic signatures and the corresponding public keys shall only be used for electronic signature validation;

- the verifications related to the *Certificate* should be carried out for the entire certificate chain;

- the electronic signature verification shall be performed with a reliable application, which complies with the related technical specifications, can be resiliently configured, and has been set correctly, and it runs within a virus-free environment;

- in case of personal *Certificate*s related to an organization, it is recommended to verify that the title of the Signatory by which it is entitled to sign the document can be identified by the certificate (for example indicated in the Title field);

- it is recommended to verify that the *Certificate* was issued according to the appropriate Certificate Policy;

- it is recommended to verify the highest value of the obligation undertaken at one time indicated in the *Certificate* (the Certification Authority is not responsible for the claims arising from electronic documents issued and signed concerning transactions in excess of those limits and for the damage caused this way.);

- the *Relying Party* shall consider any restrictions indicated in the *Certificate* or in the regulations referenced in the *Certificate*.

The *Certification Authority* makes available a service for its *Client*s and *Relying Parties* that they can use to verify the issued *Certificate*s.

3.2   Certificate Revocation and Suspension

The process when the *Certification Authority* terminates the validity of the *Certificate* before expiration is called *Certificate* revocation. The *Certificate* revocation is a permanent and irreversible status change; the revoked certificate will never be valid again.

The process when the *Certification Authority* temporarily ceases the validity of the *Certificate* before expiration is called *Certificate* suspension. The *Certificate* suspension is a temporary state; the suspended *Certificate* can be revoked, or before the end of the validity, with the withdrawal of the suspension it can be made valid again. In case of the withdrawal of suspension the *Certificate* becomes valid retroactively, as if it has not been suspended.

The usage of the private key belonging to the revoked or suspended *Certificate* shall be eliminated or suspended immediately.

If possible, the private key belonging to the revoked *Certificate* shall be destroyed immediately after revocation.

Responsibility regulations related to revocation and suspension:

- Before the revocation/suspension request is received by the *Certification Authority*, the *Subject* and the *Subscriber* are responsible for the damages arising.

- After the *Certification Authority* accepts the revocation or suspension request, the *Certification Authority* is responsible for the damages arising. The *Certification Authority* forthwith publishes the changed revocation state of the *Certificate* after accepting the request.

- If the *Certification Authority* has already published the invalid revocation state of the *Certificate*, the *Certification Authority* does not take any responsibility, if the *Relying Party* considers the *Certificate* valid.

3.2.1   Who Can Request Revocation

The revocation of the *Certificate* may be initiated by:

- the *Subscriber*;

- the *Subject*;

- in case of *Organizational Certificate*, the *Organization*'s authorized representative;

- the contact person specified in the service agreement;

- the *Certification Authority*.

3.2.2 Procedure for Revocation Request

The *Certification Authority* ensures the following possibilities to submit a revocation request:

- on paper signed manually at the customer service of the *Certification Authority* during office hours in person;

- in an electronic form with an electronic signature based on a non-pseudonymous *Certificate* with a security classification not lower than the *Certificate* to be revoked ;

- signed manually, sent by post to the customer service.

The *Certification Authority* verifies the authenticity of the request, and the submitter's eligibility during the evaluation of the request.

In case of Certificate application signed with a valid electronic signature, there is no need for further verification of the identity of the applicant and the authenticity of the application.

In case of submitting revocation application on paper, via mail the *Certification Authority* verifies the manual signature on the application.

The reason for revocation shall be stated. If the revocation was requested by the *Client*, and it does not state the reason for revocation, then the *Certification Authority* considers that the reason for revocation is that the *Subject* does not want to use the *Certificate* anymore.

If the *Client* asks for revocation due to key compromise, the *Certification Authority* ensures a possibility during the revocation process, to request a new *Certificate* in the framework of *Re-key* to replace the *Certificate* to be revoked.

In case of a successful revocation the *Certification Authority* notifies the *Subject* and the *Subscriber* about the fact by e-mail.

3.2.3 End-User Certificates

The validity period of the end-user *Certificate*s issued by the *Certification Authority*:

- at most 2 years from issuance;

- shall not exceed the amount of time to which the used cryptographic algorithms are safely usable according to the algorithmic decree of the National Media and Infocommunications Authority;

- shall not exceed the validity period of the *Certificate* issuer provider *Certificate* validity period.

Within the framework of certificate renewal a new *Certificate* may be issued for the end-user key.

The validity period of the *Certificate*s and private keys may be affected by a new algorithmic decree issuance by the National Media and Infocommunications Authority, according to which the used cryptographic algorithm or key parameter is not safe until the end of the usage period planned at the time of the issuance.

When this occurs the *Certification Authority* revokes the affected *Certificate*s.

4   Compliance Audit and Other Assessments

The   *Certification Authority*   has its operation periodically examined by independent external auditor. During the audit it is examined that the operation of the   *Certification Authority* complies with the following normative documents:

- REGULATION (EU) No 910/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC [1];

- ETSI EN 319 401 V2.1.1 (2016-02); Electronic Signatures and Infrastructures (ESI); General Policy Requirements for Trust Service Providers [2]

- ETSI EN 319 411-1 V1.1.1 (2016-02); Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 1: General requirements [3]

The result of the screening is a confidential document accessible only to authorized persons.

The conformity certificate issued in accordance with the conformity assessment report is published on the webpage of the   *Certification Authority*.

The *Certification Authority* applies verified and certified elements (electronic signature production IT system elements) in connection with the service.

The   *Certification Authority* uses the following cryptographic modules for the certification of the *Certificate*s, and for the provider private key storage:

- nCipher nShield F3 PCI nC4032P-150, firmware verzió: 2.18.15-3;

- nCipher nShield F3 PCI nC4032P-150, firmware verzió: 2.22.6-3;

- nCipher nShield F3 PCI nC4033P-500, firmware verzió: 2.33.60-3;

- nCipher nShield F3 PCI nC4033P-500, firmware verzió: 2.38.7-3;

- nCipher nShield F3 PCIe nC4433E-500, firmware verzió: 2.61.2-3.

The above devices have FIPS 140-2 [4] Level 3 certification.

The *Certification Authority* has rated every one of the system elements used for providing the services into security classes on the basis of its risk assessment system. The *Certification Authority* keeps records about these system elements and the security ratings associated with them in the scope of its risk management system.

In addition to the external audit, the *Certification Authority* also has its proprietary internal auditing system, which regularly examines compliance with previous audits, and takes the necessary steps in case of deviations.

The *Certification Authority* has an ISO 9001 standard compliant quality management system since 2002, moreover an ISO 27001 (formerly BS 7799) compliant information security management system since 2003, which are continuously audited and reviewed by an external auditing organisation.

For more information on the governing law and compliance audits see section 5.4 of this document and sections 8. and 9.15 of the *Certification Practice Statement*.

5   Other Business and Legal Matters

5.1   Representations and Warranties

5.1.1   Subscriber Representations and Warranties

Subscriber **Responsibility**

The responsibility of the *Subscriber* is set by the service agreement and its attachments (including the terms and conditions).

Subscriber **Obligations**

The responsibility of the *Subscriber* is to act in accordance with the contractual terms and regulations of the *Certification Authority* while using the service including requesting and applying the *Certificate*s and private keys.

The obligations of the *Subscriber* are determined by this *Certification Practice Statement*, the service agreement and the standard policy conditions and other documents forming an integral part with it, as well as the relevant *Certificate Policy*s.

Subscriber Rights

- *Subscriber*s have the right to use the services in accordance with this *Certification Practice Statement*.

- *Subscriber*s are entitled to specify which *Subject*s should be allowed to receive certificates, in writing, and *Subscriber*s have the right to request the suspension and revocation of such certificates.

- *Subscriber*s have the right to request the suspension and revocation of certificates.

- *Subscriber*s are entitled to appoint an organisational administrator.

Subject Responsibility

The *Subject* is responsible for:

- the authentication, accuracy and validity of the data provided during registration;

- the verification of the data indicated in the *Certificate*;

- to provide immediate information on the changes of its data;

- using its   *Electronic signature creation device*,   private key and *Certificate* according the regulations;

- the secure management of its private key and activation code;

- the secure management of the *Electronic signature creation device*

- the correct and secure usage of the service in case of Server-Based Signature Service ;

- for the immediate notification and for full information of the   *Certification Authority* in cases of dispute;

- to generally comply with its obligations.

Subject obligations

The *Subject* shall:

- read carefully this *Certification Practice Statement* before using the service;

- completely provide the data required by the *Certification Authority* necessary for using the service, and to provide truthful data;

- if the *Subject* becomes aware of the fact that the necessary data supplied for using the service – especially data indicated in the certificate – have changed, it is obliged to immediately:

  - notify the *Certification Authority* in writing,
  - request the suspension or revocation of the *Certificate* and
  - terminate the usage of the *Certificate*;

- use the service solely for the purposes allowed or not proscribed by legal regulations, according to the cited regulations and documents;

- ensure that no unauthorized individuals have access to data and tools (passwords, secret codes, signature-creation devices) necessary for using the service;

- notify the *Certification Authority* in writing and without delay in case a legal dispute starts in connection with

  any of the electronic signature or the *Certificate*s associated with the service;

- cooperate with the *Certification Authority* in order to validate the data necessary for issuing certificates, and to do everything they can to allow the soonest possible completion of such verification;

- in case a *Subject*'s private key, *Electronic signature creation device* or the secret codes necessary for activating the device end up in unauthorized hands or are destroyed, the *Subject* is obliged to report this fact to the *Certification Authority* promptly and in writing, and will also be obliged to initiate the suspension and/or revoking of the *Certificate*s and terminating the usage of the *Certificate*;

- the *Subject* shall answer to the requests of the *Certification Authority* within the period of time determined by the *Certification Authority* in case of key compromise or the suspicion of illegal use arises;

- acknowledge that the *Subscriber*s entitled to request the revocation and/or suspension of the *Certificate*;

- acknowledge that the *Certification Authority* issues *Certificate*s in the manner specified in the *Certification Practice Statement*, upon the completion of the validation steps described therein;

- acknowledge that the *Certification Authority* only displays data that are corresponding to reality in issued *Certificate*s. Accordingly, the *Certification Authority* validates data to be entered in *Certificate*s according to the *Certification Practice Statement*;

- acknowledge that the *Certification Authority* revokes the issued *Certificate* in case it becomes aware that the data indicated in the *Certificate* do not correspond to the reality or the private key is not in the sole possession or usage of the *Subject* and in this case, the *Subject* is bound to terminate the usage of the *Certificate*;

- acknowledge that the *Certification Authority* has the right to suspend, and revoke *Certificate*s if the *Subscriber* fails to pay the fees of the services by the deadline;

- in case of requesting an *Organizational Certificate*, acknowledge that the *Certification Authority* will issue the *Certificate* solely in the case of the consent of the *Represented Organization*;

- in case of requesting an *Organizational Certificate*, acknowledge that the *Represented Organization* has the right to request the revocation of the *Certificate*;

- acknowledge that the *Certification Authority* has the right to suspend, and revoke *Certificate* if the *Subscriber* violates the service agreement or the *Certification Authority* becomes aware that the *Certificate* was used for an illegal activity.

Subject **Rights**

- *Subject*s have the right to apply for *Certificate*s in accordance with the *Certification Practice Statement*.

- In case this is allowed by the applicable *Certificate Policy*, *Subject*s are entitled to request the suspension or the revocation of their *Certificate*s, according to this *Certification Practice Statement*.

5.1.2   Relying Party Representations and Warranties

The *Relying Parties* decide based on their discretion and/or their policies about the way of accepting and using the *Certificate*. During the verification of the validity for keeping the

security level guaranteed by the *Certification Authority* it is necessary for the *Relying Party* to act with caution, so it is particularly recommended to:

- comply with the requirements, regulations defined in the present *Certificate Policy* and the corresponding *Certification Practice Statement*;

- use reliable IT environment and applications;

- verify the the *Certificate* revocation status based on the current CRL or OCSP response;

- take into consideration every restriction in relation to the *Certificate* usage which is included in the *Certificate*, in the *Certificate Policy* and the *Certification Practice Statement*.

5.2   Limitations of Liability

- The   *Certification Authority* is not responsible for damages that arise from the *Relying Party* failing to proceed as recommended according to effective legal regulations and the   *Certification Authority*'s regulations in the course of validating and using certificates, moreover its failing to proceed as may be expected in the situation.

- The *Certification Authority* shall only be liable for contractual and non-contractual damages connected to its services in relation to third parties with respect to provable damages that occur solely on account of the chargeable violation of its obligations.

- The   *Certification Authority* is not liable for damages that result from its inability to tend to its information provision and other communication related obligations due to the operational malfunction of the Internet or one of its components because of some kind of external incident beyond its control.

- The   *Certification Authority* engages in data comparison with an authentic database, before issuing a *Subject*'s *Certificate*. The   *Certification Authority* will not assume any liability for damages arising out of the inaccuracy of information provided by such authentic databases.

- The   *Certification Authority* assumes liability solely for providing the services in accordance with the provisions of this *Certification Practice Statement*, as well as the documents to which reference is cited herein (Certification Policies, standards, recommendations), moreover with its proprietary internal regulations.

Administrative Processes

The   *Certification Authority* logs its activities, protects the intactness and authenticity of log entries, moreover retains (archives) log data over the long term in the interest of allowing for the establishing, documenting, and evidencing of financial accountability, its proprietary liability

related to damage it causes, as well as that of damage compensation due to it for damage it suffers.

The *Certification Authority* preserves the archived data for the time periods below:

- *Certification Practice Statement*: 10 years after the repeal;

- All electronic and / or paper-based information relating to Certificates for at least:

    - 10 years after the validity expiration of the Certificate;

    - until the completion of the dispute concerning the electronic signature generated with the certificate;

Financial Liability

The *Certification Authority* has liability insurance according to the legal regulations required in order to ensure reliability.

Limitation of Financial Liability

The *Certification Authority* does not limit the highest level of the obligation undertaken at the same time. The *Certification Authority* limits its liability insurance related to its services, the rate of this limitation is:

- related to Certificates belonging to the III. certification unit, 100 000 HUF per insurance incident;

- related to Certificates belonging to the II. certification unit, 20 000 HUF per insurance incident;

If the valid claim of several entitled parties related to an insurance event exceeds the amount defined for an insurance event in the liability insurance for the damages, then the compensation of the claims takes place in a relative ratio to the amount determined in the liability contract.

5.3   Dispute Resolution Provisions

The *Certification Authority* aims for the peaceful and negotiated settlement of the disputes arising from its operation. The settlement follows the principle of gradual approach.

The *Certification Authority* and the *Client* mutually agree that in the case of any disputed issue or complaint arising whatsoever, they will attempt amicable consultation through negotiation before taking the dispute to legal channels. The initiating party will be obliged to notify every other affected party promptly and to inform them fully concerning all of the case's implications.

The *Client* in case of a deputation is entitled to appeal to the Arbitration Board of Budapest before incidental judicial proceedings.

Questions, objections, and complaints related to the activity of the *Certification Authority* or the use of issued *Certificate*s shall be addressed to the customer care centre office in written form. The *Certification Authority* notifies submitting parties at the address they specify about having received a submission and the time required for investigation, within 3 business days calculated as of receiving a submission. The *Certification Authority* is obliged to issue a written response to the submitter within the specified time limit. The *Certification Authority* may request the provision of information required for giving a response from the submitter. The *Certification Authority* investigates complaints within 30 days, and notifies submitters about the results thereof.

Should a submitter find the response inadequate or if the dispute which had arisen can not be settled based on it without getting the *Certification Authority* involved, the submitter may initiate consultation with the *Certification Authority* and the *Relying Parties*. All participants of such consultation shall be given written notice regarding the date of consultation 10 business days in advance thereof; and the submission, the *Certification Authority*'s response, as well as any documents containing other required information shall be sent to them in writing.

Should consultation fail to achieve a result within 30 business days calculated as of a complaint being submitted, the submitter may file a lawsuit with respect to the issue. The *Relying Parties* shall subject themselves to the sole jurisdiction of the II. and III. District Court of Budapest and/or that of the Municipal Court of Budapest.

5.4   Governing Law

The *Certification Authority* at all times operates in accordance with the Hungarian legislation in force. The Hungarian law is the proper law of the *Certification Authority* contracts, regulations, and their execution, and they are to be construed by the Hungarian law.

A REFERENCES

[1] Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC .

[2] ETSI EN 319 401 V2.1.1 (2016-02); Electronic Signatures and Infrastructures (ESI); General Policy Requirements for Trust Service Providers.

[3] ETSI EN 319 411-1 V1.1.1 (2016-02); Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 1: General requirements .

[4] FIPS PUB 140-2 (2001 May 25): Security Requirements for Cryptographic Modules.

[5] e-Szignó Certification Authority - eIDAS conform Non-Qualified Electronic Signature Certificate Policies.