

**Audit Attestation for**

**Microsec Micro Software Engineering & Consulting**

**Private Limited Company by Shares as a Qualified**

**Trusted Service Provider**

**Reference: HUNG-AA-006-2022**

Budapest, 2022-11-28

To whom it may concern,

This is to confirm that „HUNGUARD Kft.” has successfully audited the CAs of Microsec Micro Software Engineering & Consulting Private Limited Company by Shares without critical findings. This present Audit Attestation Letter is registered under the unique identifier number “HUNG-AA-005-2022” and consist of 10 pages. Kindly find here-below the details accordingly.

In case of any question, please contact:

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With best regards:

Zsolt Attila Endródi  
reviewer

Tibor Némethvári  
lead auditor

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|---|---|
| <p>Identification of the conformity assessment body (CAB) and assessment organization acting as ETSI auditor:</p> | <ul style="list-style-type: none"> <li>• HUNGUARD Informatics and IT R&amp;D and General Service Provider Ltd. (6 Kékgolyó str. Budapest 1123 Hungary) as a certification authority. Accredited by the accreditation document No. NAH-6-0048/2018<sup>1</sup> of National Accreditation Authority according to “MSZ EN ISO/IEC 17065:2013” and “MSZ EN 319 403-1:2020”. CAB member of Accredited Conformity Assessment Bodies’ Council.</li> </ul>  |
| <p>Identification and qualification of the audit team:</p>  | <ul style="list-style-type: none"> <li>• Number of team members: 2</li> <li>• Academic qualifications of team members:<br/>All team members have formal academic qualifications or professional training and extensive experience indicating general capability to carry out audits based on the knowledge given below and at least four years full time practical workplace experience in information technology, of which at least two years have been in a role or function relating to relevant trust services, public key infrastructure, information security including risk assessment/management, network security and physical security.</li> <li>• Additional competences of team members:<br/>All team members have knowledge of             <ol style="list-style-type: none"> <li>1) audit principles, practices and techniques in the field of CA/TSP audits gained in a training course of at least five days;</li> <li>2) the issues related to various areas of trust services, public key infrastructure, information security including risk assessment/management, network security and physical security;</li> <li>3) the applicable standards, publicly available specifications and regulatory requirements for CA/TSPs and other relevant publicly available specifications including standards for IT product evaluation; and</li> <li>4) the Conformity Assessment Body's processes.</li> </ol>             Furthermore, all team members have language skills appropriate for all organizational levels within the CA/TSP organization; note-taking, report-writing, presentation, and interviewing skills; and relevant personal attributes: objective, mature, discerning, analytical, persistent and realistic.           </li> <li>• Professional training of team members:<br/>See “Additional competences of team members” above. Apart from that are all team members trained to demonstrate adequate competence in:             <ol style="list-style-type: none"> <li>a) knowledge of the CA/TSP standards and other relevant publicly available specifications;</li> <li>b) understanding functioning of trust services and information security including network security issues;</li> </ol> </li> </ul> |

<sup>1</sup>[https://nah.gov.hu/admin/staticmedia/Reszletezo\\_okiratok/RO3-NAH-220217-6-0048-2018-V2-BNN-10398221-a.pdf](https://nah.gov.hu/admin/staticmedia/Reszletezo_okiratok/RO3-NAH-220217-6-0048-2018-V2-BNN-10398221-a.pdf)

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|  | <ul style="list-style-type: none"> <li>c) understanding of risk assessment and risk management from the business perspective;</li> <li>d) technical knowledge of the activity to be audited;</li> <li>e) general knowledge of regulatory requirements relevant to TSPs; and</li> <li>f) knowledge of security policies and controls.</li> </ul> <ul style="list-style-type: none"> <li>• Types of professional experience and practical audit experience:<br/>The CAB ensures, that its personnel performing audits maintains competence on the basis of appropriate education, training or experience; that all relevant experience is current and prior to assuming responsibility for performing as an auditor, the candidate has gained experience in the entire process of CA/TSP auditing. This experience shall have been gained by participating under supervision of lead auditors in a minimum of four TSP audits for a total of at least 20 days, including documentation review, on-site audit and audit reporting.</li> <li>• Additional qualification and experience Lead Auditor:<br/>On top of what is required for team members (see above), the Lead Auditor             <ul style="list-style-type: none"> <li>a) has acted as auditor in at least three complete TSP audits;</li> <li>b) has adequate knowledge and attributes to manage the audit process; and</li> <li>c) has the competence to communicate effectively, both orally and in writing.</li> </ul> </li> <li>• Special skills or qualifications employed throughout audit:<br/>National security clearance up to top secret level.</li> <li>• Special Credentials, Designations, or Certifications:<br/>All members are qualified and registered assessors within the accredited CAB.<br/>All members have CISA certificate.</li> <li>• Auditors code of conduct incl. independence statement:<br/>Code of Conduct as of Annex A, MSZ EN 319 403-1:2020 respectively.</li> </ul> |
| <p>Identification and qualification of the reviewer performing audit quality management:</p> | <ul style="list-style-type: none"> <li>• Number of Reviewers/Audit Quality Managers involved independent from the audit team: 1</li> <li>• The reviewer fulfils the requirements as described for the Audit Team Members above and has acted as an auditor in at least three complete CA/TSP audits. He has CISA and CISM certificate.</li> </ul>   |
| <p>Identification of the CA / Trust Service Provider (TSP):</p>                              | <p>MICROSEC Micro Software Engineering &amp; Consulting Private Limited Company by Shares, Ángel Sanz Briz út 13, 1033 Budapest, Hungary<br/>registered under 01-10-047218</p>  |

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|--|--|
| Type of audit:                         | <input type="checkbox"/> Point in time audit<br><input type="checkbox"/> Period of time, after x month of CA operation<br><input checked="" type="checkbox"/> Period of time, full audit   |
| Audit period covered for all policies: | 2021-09-10 to 2022-09-09   |
| Point in time date:                    | none   |
| Audit dates:                           | 2022-09-05 to 2022-09-09 (on site)   |
| Audit location:                        | Facility 1 in Budapest: Ángel Sanz Briz út 13, 1033 Budapest, Hungary (Note that this data centre of the organisation, although located in the same place, has a different postal address: Záhony utca 7, 1031 Budapest, Hungary)<br>Facility 2 in Budapest: T-Systems Cloud & Data Center – Asztalos Sándor út 13, 1087 Budapest, Hungary |

|                       |  |
|-----------------------|--|
| Standards considered: | <p>European Standards:</p> <input checked="" type="checkbox"/> ETSI EN 319 411-2, V2.4.1 (2021-11)<br><input checked="" type="checkbox"/> ETSI EN 319 411-1, V1.3.1 (2021-05)<br><input checked="" type="checkbox"/> ETSI EN 319 401, V2.3.1 (2021-05) |
|                       | <p>CA Browser Forum Requirements:</p> <input checked="" type="checkbox"/> EV SSL Certificate Guidelines v1.7.9<br><input checked="" type="checkbox"/> Baseline Requirements v1.8.4   |
|                       | <p>For the Trust Service Provider Conformity Assessment:</p> <input checked="" type="checkbox"/> ETSI EN 319 403 V2.3.2 (2020-06)<br><input checked="" type="checkbox"/> ETSI TS 119 403-2 V1.2.4 (2020-11)  |

The full annual audit was based on the following policy and practice statement documents of the CA / TSP:

1. e-Szignó Certification Authority, eIDAS conform Non-Qualified Certificate for Electronic Signature Certificate Policies, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
2. e-Szignó Certification Authority, eIDAS conform Non-Qualified Certificate for Electronic Signature Certification Practice Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
3. e-Szignó Certification Authority, eIDAS conform Non-Qualified Certificate for Electronic Signature Disclosure Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
4. e-Szignó Certification Authority, eIDAS conform Qualified Certificate for Electronic Signature, Certificate Policies, version: 3.1 as of 2021-07-01, Date of effect: 2022-08-31
5. e-Szignó Certification Authority, eIDAS conform Qualified Certificate for Electronic Signature Certification Practice Statement, version: 3.1 as of 2021-07-01, 2022-08-31
6. e-Szignó Certification Authority, eIDAS conform Qualified Certificate for Electronic Signature Disclosure Statement, version: 3.1 as of 2021-07-01, Date of effect: 2022-08-31
7. e-Szignó Certification Authority, eIDAS conform Non-Qualified Certificate for Electronic Seal Certificate Policies, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
8. e-Szignó Certification Authority, eIDAS conform Non-Qualified Certificate for Electronic Seal Certification Practice Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
9. e-Szignó Certification Authority, eIDAS conform Non-Qualified Certificate for Electronic Seal Disclosure Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
10. e-Szignó Certification Authority, eIDAS conform Qualified Certificate for Electronic Seal Certificate Policies, version: 3.1 as of 2021-07-01, Date of effect: 2022-08-31
11. e-Szignó Certification Authority, eIDAS conform Qualified Certificate for Electronic Seal Certification Practice Statement, version: 3.1 as of 2021-07-01, Date of effect: 2022-08-31
12. e-Szignó Certification Authority, eIDAS conform Qualified Certificate for Electronic Seal Disclosure Statement, version 2.23 as of 2022-08-24, Date of effect: 2022-08-31
13. e-Szignó Certification Authority, eIDAS conform Certificate for Website Authentication Certificate Policies, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
14. e-Szignó Certification Authority, eIDAS conform Certificate for Website Authentication Certification Practice Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
15. e-Szignó Certification Authority, eIDAS conform Certificate for Website Authentication Disclosure Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
16. e-Szignó Certification Authority, eIDAS conform Qualified Certificates for Website Authentication Certificate Policy, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
17. e-Szignó Certification Authority, eIDAS conform Qualified Certificate for Website Authentication Certification Practice Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
18. e-Szignó Certification Authority, eIDAS conform Qualified Certificate for Website Authentication Disclosure Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31

19. e-Szignó Certification Authority, Non eIDAS covered Certificate, Certificate Policies, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31
20. e-Szignó Certification Authority, Non eIDAS covered Certificates Certification Practice Statement, version: 3.1 as of 2022-08-24, Date of effect: 2022-08-31

In the following areas, non-conformities have been identified throughout the audit:

Findings with regard to ETSI EN 319 401

1. REQ-6.2-02

The validity period of the SSL certificate is not clearly defined in the policy. The document states "up to 398 days", but in fact it is valid for 365 days.

2. REQ-7.9-09

The independent system auditor's activities differ from those specified in the policy and wiki description. The review frequency of the systems audit script was not adequate.

Findings with regard to ETSI EN 319 411-1

3. OVR-5.3-01

The change to the OID in the policy (section 9.12.3) is not appropriate given that the "new" practice is that from now on the OID does not include the policy version.

4. SDP-6.3.3-08

In concern of subject device (aka. QSCD) provision service, the regulation of the PUK envelope in the EHSZ Operational and Security Regulations and in the System Plan (Chapter 4.8.9) is not appropriate, it is a paper-based solution as opposed to the current one that is placed in the customer web account, called „Customer area”.

5. REG-6.3.4-02

The video identification information link at the onsite audit showed version 1.2v of the document (Conditions for Video Identification), while the current one is 1.3v.

For all minor non-conformities (except that have been resolved by the time this Attestation Letter is written, see the list below), remediation has been scheduled within three months after the onsite audit at latest and will be covered by a corresponding audit.

Findings with regard to ETSI EN 319 411-2:

None.

The following minor non-conformity was resolved during the audit:

REG-6.3.4-02

For all non-conformities, remediation has been scheduled within three months after the onsite audit at latest and will be covered by a corresponding audit.

There were no incidents which has to be reported in this letter.

| Distinguished Name   | SHA-256 fingerprint  | Applied policy and OID   |
|--|--|--|
| /C=HU/L=Budapest/O=Microsec Ltd./CN=Microsec e-Szigno Root CA 2009 | 3C5F81FEA5FAB82C64BFA2EAECAFCDE8E077FC8620A7CAE537163DF36EDBF378 | LCP, NCP, NCP+, OVCP, DVCP, IVCP and EVCP of ETSI EN 319 411-1<br>QCP-I, QCP-I-qscd, QCP-n, QCP-n-qscd and QEVCP-w of ETSI EN 319 411-2<br>BTSP of ETSI EN 319 421 |
| /C=HU/L=Budapest/O=Microsec Ltd./CN=Microsec e-Szigno Root CA 2009 | 72F9AF2158181BAF16D60C9B4E6F4BD7CA8D2341AD48AFDB67CB4C8332D546F6 | LCP, NCP, NCP+, OVCP, DVCP, IVCP and EVCP of ETSI EN 319 411-1<br>QCP-I, QCP-I-qscd, QCP-n, QCP-n-qscd and QEVCP-w of ETSI EN 319 411-2<br>BTSP of ETSI EN 319 421 |
| /C=HU/L=Budapest/O=Microsec Ltd./CN=Microsec e-Szigno Root CA 2009 | 8E8C6EBF77DC73DB3E38E93F4803E62B6B5933BEB51EE4152F68D7AA14426B31 | LCP, NCP, NCP+, OVCP, DVCP, IVCP and EVCP of ETSI EN 319 411-1<br>QCP-I, QCP-I-qscd, QCP-n, QCP-n-qscd and QEVCP-w of ETSI EN 319 411-2<br>BTSP of ETSI EN 319 421 |

**Table 1: Root-CA in scope of the audit**

The TSP named the Sub-CAs that have been issued by the aforementioned Root-CA, that are listed in the following table and that have been covered in this audit.

| Distinguished Name   | SHA-256 fingerprint  | Applied policy and OID | EKU         |
|--|--|------------------------|-------------|
| /C=HU/L=Budapest/O=Microsec Ltd./<br>CN=Advanced Class 2 e-Szigno CA 2009  | C63543729A370C26952B47E1D1D1AEA84CB1B07F1B0F964C2FEDDC523FD7C795 | LCP                    | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./<br>CN=Advanced Class 3 e-Szigno CA 2009  | B0A6EF0350E7C4C6056BEEA7AF9D2D860B9ED102137B9729D3C23216D195546A | NCP,<br>NCP+,          | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-<br>23584497-2-41/<br>CN=Advanced Code Signing Class2 e-Szigno CA 2016 | A98C8CED93F9A43631ABE4573864E06C5192900723E97D1EED2C0D7C68B2D079 | LCP                    | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-<br>23584497-2-41/<br>CN=Advanced Code Signing Class3 e-Szigno CA 2016 | 283CA6939530C1B5503915051936378AE36871967B03E4C2E7C243F14967DEB1 | NCP,<br>NCP+           | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-<br>23584497-2-41/<br>CN=Advanced eIDAS Class2 e-Szigno CA 2016        | A29C104B100C3A7933473E62E4BE6371D653A1604D04EDAAD02C95806065CEE3 | LCP                    | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./<br>CN=Advanced Pseudonymous e-Szigno CA 2009   | D0E39AA7D2FA53581008A15D825C57D25BD49247834431F8A227A29C280A1C0C | LCP,<br>NCP,<br>NCP+   | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-<br>23584497-2-41/<br>CN=Class2 e-Szigno SSL CA 2016                   | 3912C585E727F2B077888F678F043FD8DDCEE9E91E6628A6245B1B8EBBCC3912 | OVCP,<br>DVCP,<br>IVCP | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./<br>CN=e-Szigno SSL CA 2014   | EAC241C0440A36830111383336BC20CAC7409C20F6E88D4F84F4827BE919E338 | OVCP,<br>DVCP,<br>IVCP | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-<br>23584497-2-41/<br>CN=Online e-Szigno SSL CA 2016                   | 31DAA25D142D08B90E640D4BC50B249F0FE39785C98D5E53E233259C0FAE9398 | OVCP,<br>DVCP,<br>IVCP | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./<br>CN=Qualified e-Szigno CA 2009   | B884ED6527433687627D35157E904690D2DFF6A5DCD3CE267BBAF159C06F5054 | QCP-n-qscd             | not defined |



|  |  |   |             |
|--|--|---|-------------|
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-23584497-2-41/<br>CN=Qualified e-Szigno Organization CA 2016 | 60AF9E5F39D873B236BE142BC706DA571849AED7FAE635FC5A1461A0CF7459C5 | QCP-I-qscd                                    | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./<br>CN=Qualified e-Szigno QCP CA 2012                                       | CFCB60C1F0180C68E3EA5D24B4A05E9D9900D87C3D83D503CE1690B3C1656458 | QCP-I-NCP+,<br>QCP-n-NCP+,<br>QCP-I,<br>QCP-n | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-23584497/<br>CN=Qualified e-Szigno TLS CA 2018               | F7C7E28FB5E79F314AAAC6BBBA932F15E1A72069F435D4C9E707F93CA1482EE3 | EVCP,<br>QEVCP-w                              | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./<br>CN=Qualified Pseudonymous e-Szigno CA 2009                              | F8684D2812BA98A52FE94528C4CB152378A2D73A828810A8C7B8529875C64674 | QCP-n   | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-23584497/<br>CN=e-Szigno TSA CA 2020                         | 7731FE893FD5461AD2BFAFBADC530CF69B6DA5095E3AEE0FF82EF54ADD4B8B57 | BTSP  | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-23584497/<br>CN=Class3 KET e-Szigno CA 2018                  | 7BCF1C8A12EE0B2854A1B41070652B0325E7D0C20B9C44D4ACE9C643387F1431 | NCP,<br>NCP+                                  | not defined |
| /C=HU/L=Budapest/O=Microsec Ltd./2.5.4.97=VATHU-23584497/<br>CN=Qualified KET e-Szigno CA 2018               | D9E445B22C6FCB37B296FCD1331486569651A8DB98071753FEFC73D2C97BF732 | QCP-I-qscd, QCP-I,<br>QCP-n-qscd,<br>QCP-n    | not defined |

**Table 2: Sub-CA's issued by the Root-CA or its Sub-CA's in scope of the audit**

**Modifications record**

| <b>Version</b> | <b>Issuing Date</b> | <b>Changes</b>                              |
|----------------|---------------------|---|
| Version 1      | 2022-10-27          | Initial attestation                         |
| Version 1.1    | 2022-11-28          | Correction in order to support CCADB upload |

**End of the audit attestation letter.**