TÜV AUSTRIA GMBH

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TÜV ®

TLS EV Audit Attestation for

SwissSign AG

Reference: AA2026090203

Cologne, 2026-09-02

To whom it may concern,

This is to confirm that TUV AUSTRIA GMBH has audited the CA listed in this report and operated by SwissSign AG without critical findings.

This present Audit Attestation Letter is registered under the unique identifier number “AA2026090203” covers multiple Root-CAs and consists of 23 pages. This audit attestation is issued based on the report number TA235266287_SR. Predecessor is Audit Attestation letter AA2025091203 as of 2025-09-12 which it supersedes.

Kindly find here below the details accordingly.

In case of any question, please contact:

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With best regards,

i.A. Clemens Wanko

i.V. Elisabeth Pichler

Certification Body

Managing director:
Dr. Stefan Haas
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General audit information

Identification of the conformity assessment body (CAB) and assessment organization acting as ETSI auditor
• CAB *TÜV AUSTRIA GMBH* *TÜV AUSTRIA-Platz 1, 2345 Brunn am Gebirge,* registered under: Vienna / Wien / FN 288476 f • Accredited by Federal Ministry for Economic Affairs, Energy and Tourism, Stubenring 1, 1010 Wien, Austria (mailto: akkreditierung@bmdw.gv.at, https://akkreditierung-austria.gv.at/) under registration 0944[1] for the certification of trust services according to "EN ISO/IEC 17065:2012" and "ETSI EN 319 403-1 V2.3.1 (2020-06)". • Insurance Carrier (BRG section 8.2): Vienna Insurance Group Schottenring 30, 1010 Wien • Third-party affiliate audit firms involved in the audit: None.
Identification and qualification of the audit team
• Number of team members: 2 • Academic qualifications of team members: All team members have formal academic qualifications or professional training or 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. • Additional competences of team members: • All team members have knowledge of 1) audit principles, practices and techniques in the field of CA/TSP audits gained in a training course of at least five days; 2) the issues related to various areas of trust services, public key infrastructure, information security including risk assessment/management, network security and physical security; 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 4) the Conformity Assessment Body's processes. 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. • Professional training of team members: See "Additional competences of team members" above. Apart from that are all team members trained to demonstrate adequate competence in: a) knowledge of the CA/TSP standards and other relevant publicly available specifications;

[1] https://www.tuv.at/wp-content/uploads/2025/05/944_Akkreditierungsbestatigung_PRODUKTE_2025.pdf

b) understanding functioning of trust services and information security including network security issues;
c) understanding of risk assessment and risk management from the business perspective;
d) technical knowledge of the activity to be audited;
e) general knowledge of regulatory requirements relevant to TSPs; and
f) knowledge of security policies and controls.

- Types of professional experience and practical audit experience:
  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.
- Additional qualification and experience Lead Auditor:
  On top of what is required for team members (see above), the Lead Auditor
  a) has acted as auditor in at least three complete TSP audits;
  b) has adequate knowledge and attributes to manage the audit process; and
  c) has the competence to communicate effectively, both orally and in writing.
- Special skills or qualifications employed throughout audit:
  None.
- Special Credentials, Designations, or Certifications:
  All members are qualified and registered assessors within the accredited CAB.
- Auditors code of conduct incl. independence statement:
  Code of Conduct as of Annex A, ETSI EN 319 403 or ETSI EN 319 403-1 respectively.

Identification and qualification of the reviewer performing audit quality management

- Number of Reviewers/Audit Quality Managers involved independent from the audit team: 1
- 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.

Identification of the CA / Trust Service Provider (TSP):	***SwissSign AG*** *Sägereistraße 25* *CH-8152 Glattbrugg, Switzerland* *registered under: CHE-109.357.012*

Type of audit:	☐ Point in time audit ☐ Period of time, after x month of CA operation ☒ Period of time, full audit
Audit period covered for all policies:	2025-06-14 to 2026-06-12
Point in time date:	none, as audit was a period of time audit
Audit dates:	Stage 1: 2026-03-23 to 2026-04-10 Stage 2: 2026-04-20 to 2026-04-24 and 2026-05-05 to 2026-05-13 and 2026-06-01 to 2026-06-03 and 2026-06-11 to 2026-06-12

Audit location:	Glattbrugg, Switzerland Zürich, Switzerland

Root 1: SwissSign Gold CA - G2

Standards considered:	European Standards: • ETSI EN 319 411-1 V1.5.1 (2025-04) • ETSI EN 319 401 V3.1.1 (2024-06) • ETSI TS 119 411-6 V1.1.1 (2023-08) CA Browser Forum Requirements: • Guidelines for the Issuance and Management of Extended Validation Certificates, version 2.0.2 • Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates, version 2.2.7 • Baseline Requirements for the Issuance and Management of Publicly-Trusted S/MIME Certificates, version 1.0.13 • Network and Certificate System Security Requirements, version 2.0.5 Browser Policy Requirements: • Mozilla Root Store Policy, Version 3.0, 2025-03-15, • Microsoft Trusted Root Program, 2025-02-01 • Chrome Root Program Policy, Version 1.8 2026-02-05 • Apple Root Certificate Program, 2023-08-15 Other: For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) • ETSI TS 119 403-2 V1.5.1 (2023-03)

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

- SwissSign TSPS - Trust Services Practice Statement

Version	Release Date	Effective from	Effective until
Version 12.0	2025-04-10	2025-04-10	2025-09-11
Version 13.0	2025-09-11	2025-09-11	2026-06-08
Version 14.0	2026-06-08	2026-06-08	-

- SwissSign Combined Certificate Profile and Certification Practice Statement for TLS certificates

Version	Release Date	Effective from	Effective until
Version 1.0	2026-06-12	2026-06-12	-

- SwissSign Certificate Practice Statement for TLS certificates

Version	Release Date	Effective from	Effective until
Version 13.0	2025-11-18	2025-11-18	2026-03-02
Version 14.0	2026-03-02	2026-03-02	2026-03-13
Version 15.0	2026-03-13	2026-03-13	2026-06-12

- SwissSign Certificate, CRL and OCSP Profiles for TLS Certificates

Version	Release Date	Effective from	Effective until
Version 12.0	2025-08-07	2025-08-07	2025-09-18
Version 13.0	2025-09-18	2025-09-18	2026-06-12

- SwissSign Certificate Policy for Domain Validated Certificates

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07
Version 5.0	2025-08-07	2025-08-07	2026-06-12

- SwissSign Certificate Policy for Extended Validated Certificates

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07
Version 5.0	2025-08-07	2025-08-07	2026-06-12

- SwissSign CPS S/MIME - Certification Practice Statement for S/MIME certificates

Version	Release Date	Effective from	Effective until
Version 10.0	2025-05-28	2025-05-28	2026-03-02
Version 11.0	2026-03-02	2026-03-02	2026-03-13
Version 12.0	2026-03-13	2026-03-13	2026-06-12
Version 13.0	2026-06-12	2026-06-12	-

- SwissSign CPR S/MIME - Certificate, CRL and OCSP Profiles for S/MIME Certificates

Version	Release Date	Effective from	Effective until
Version 12.0	2025-05-19	2025-05-19	2025-08.07
Version 13.0	2025-08-07	2025-08-07	2025-09-18
Version 14.0	2025-09-18	2025-09-18	2026-04-17
Version 15.0	2026-04-17	2026-04-17	2026-06-12
Version 16.0	2026-06-12	2026-06-12	-

- SwissSign CP Sponsor Validated (SV) S/MIME - Certificate Policy according to S/MIME BR Sponsor Validated and ETSI EN 319 411-1 Normalized Certificate Policy

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07

Version 5.0	2025-08-07	2025-08-07	2026-07-10
Version 6.0	2026-07-10	2026-07-10	-

- SwissSign CP Mailbox Validated (MV) S/MIME - Certificate Policy according to S/MIME BR Mailbox Validated and ETSI EN 319 411-1 Lightweight Certificate Policy

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07
Version 5.0	2025-08-07	2025-08-07	2026-07-10
Version 6.0	2026-07-10	2026-07-10	-

- SwissSign CP Organization Validated (OV) S/MIME - Certificate Policy according to S/MIME BR Organization Validated and ETSI EN 319 411-1 Normalized Certificate Policy

Version	Release Date	Effective from	Effective until
Version 2.0	2025-05-15	2025-05-15	2026-05-13
Version 3.0	2026-05-13	2026-05-13	-

No major or minor non-conformities have been identified during the audit.

This Audit Attestation also covers the following incidents as described in the following.

- Bug 1929189, SwissSign: S/MIME certificates deviate from CPR
  https://bugzilla.mozilla.org/show_bug.cgi?id=1929189
- Bug 1965828, SwissSign: OCSP outage
  https://bugzilla.mozilla.org/show_bug.cgi?id=1965828
- Bug 1995252, SwissSign: Attribute Change process did not revoke single-domain certificates
  https://bugzilla.mozilla.org/show_bug.cgi?id=1995252
- Bug 1990254, SwissSign: recommendation on risk assessment
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990254
- Bug 1990263, SwissSign: recommendation on BIA/BCP review
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990263
- Bug 1990266, SwissSign: recommendation on BIA/BCP test coverage
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990266
- Bug 1990271, SwissSign: recommendation on firewall review
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990271
- Bug 1990272, SwissSign: recommendation on backup testing
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990272
- Bug 1990274, SwissSign: recommendation on synchronization of staging and production environments
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990274
- Bug 1990275, SwissSign: recommendation on publication process for CA related data
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990275
- Bug 1990284, SwissSign: recommendation on review of key pair generation implementation
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990284
- Bug 1990269, SwissSign: recommendation on document release dual control
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990269
- Bug 1990276, SwissSign: recommendation on evaluation of cloud service providers

https://bugzilla.mozilla.org/show_bug.cgi?id=1990276

- Bug 1990277, SwissSign: recommendation on CA-specific risk assessment
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990277
- Bug 1990281, SwissSign: recommendation on self-assessment tool
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990281
- Bug 1990285, SwissSign: recommendation on log review process
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990285
- Bug 1990282, SwissSign: recommendation on linting software updates
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990282
- Bug 2034359, SwissSign: Delayed revocation related to Bugzilla 2033000
- https://bugzilla.mozilla.org/show_bug.cgi?id=2034359
- Bug 2033000, SwissSign: Certificate Profile error for S/MIME MV
  https://bugzilla.mozilla.org/show_bug.cgi?id=2033000

The remediation measures taken by SwissSign AG as described on Bugzilla (see link above) have been checked by the auditors and properly addressed the incident.

Distinguished Name	SHA-256 fingerprint	Applied policy
CN = SwissSign Gold CA – G2, O = SwissSign AG, C = CH	62DD0BE9B9F50A163EA0F8E75C053B1ECA57EA55C8688F647C6881F2C8357B95	ETSI EN 319 411-1 V1.5.1, NCP ETSI EN 319 411-1 V1.5.1, LCP ETSI EN 319 411-1 V1.5.1, EVCP ETSI EN 319 411-1 V1.5.1, OVCP ETSI EN 319 411-1 V1.5.1, DVCP

Table 1: Root-CA 1 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
CN = SwissSign RSA SMIME Root CA 2021 - 1, O = SwissSign AG, C = CH	BC8BBD7D279D2E5F070BCEF6FAF3AAB1BEF30DA3EB2875424295AD147F2AEF07	ETSI EN 319 411-1 V1.5.1, NCP ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA SMIME Root CA 2022 - 1, O = SwissSign AG, C = CH	5A84C94054D340D650A29985EF97BB396352E215AED6C0B33CA7FFDD3BD5D2A2	ETSI EN 319 411-1 V1.5.1, NCP ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA TLS Root CA 2022 - 1, O = SwissSign AG, C = CH	288B4A9F605B09B999B215850825C81F9B537DBAF23664ACA98BF6BA98EDC379	ETSI EN 319 411-1 V1.5.1, EVCP ETSI EN 319 411-1 V1.5.1, OVCP ETSI EN 319 411-1 V1.5.1, DVCP
CN = SwissSign RSA SMIME Root CA 2021 - 1, O = SwissSign AG, C = CH	B6D56F3DD26AC844E57C8BFE9054F57061350A90894B99CD9811E9A545FC84C5	ETSI EN 319 411-1 V1.5.1, NCP ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA SMIME Root CA 2022 - 1, O = SwissSign AG, C = CH	9A12C392BFE57891A0C545309D4D9FD567E480CB613D6342278B195C79A7931F	ETSI EN 319 411-1 V1.5.1, NCP ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA TLS Root CA 2022 - 1, O = SwissSign AG, C = CH	193144F431E0FDDB740717D4DE926A571133884B4360D30E272913CBE660CE41	ETSI EN 319 411-1 V1.5.1, EVCP ETSI EN 319 411-1 V1.5.1, OVCP ETSI EN 319 411-1 V1.5.1, DVCP

Table 2: Intermediate-CA-issued by the Root-CA (includes x-signed and self-signed root CA)

Distinguished Name	SHA-256 fingerprint	Applied policy
CN = SwissSign RSA SMIME LCP ICA 2021 - 2, O = SwissSign AG, C = CH	5CFFA8DB135F913363ACEB7CE362D098F3C1EBD26C63C560C095381E896504FA	ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA SMIME NCP extended ICA 2021 - 1, O = SwissSign AG, C = CH	0A6EEB87C2B4AC4A0DF4A68CA7E5244408E06A0CF3BE973156A52AAD835D7466	ETSI EN 319 411-1 V1.5.1, NCP

CN = SwissSign RSA SMIME NCP ICA 2021 - 1, O = SwissSign AG, C = CH	1935AA544A73D755E913357FCE0E44AFC90E0809AC97A89964F0A90A59C376B6	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA SMIME LCP ICA 2022 - 1, O = SwissSign AG, C = CH	D7F41FABE5A459BAC6882465C75CCFF2BAA52487AABC34706CAF2A18AC53A5C2	ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA SMIME NCP ICA 2022 - 1, O = SwissSign AG, C = CH	99A56DD8DACA399FCA2E3834ED75760E96C133564062F8B530B355BED99A409D	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA SMIME NCP extended ICA 2022 - 1, O = SwissSign AG, C = CH	7196E86DCFDB92B0509213D806DCA2465FC41415A0B4069D35F946DE6813CF79	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA TLS DV ICA 2022 - 1, O = SwissSign AG, C = CH	B400250EF2B09B30E9AAA3E2C20017B8911BD039DF8AF54949C60AED5BF697D4	ETSI EN 319 411-1 V1.5.1, DVCP
CN = SwissSign RSA TLS OV ICA 2022 - 1, O = SwissSign AG, C = CH	332F9EAE3650C77454AF14FE1A621A2498FD128773662890A0D12835B3436E23	ETSI EN 319 411-1 V1.5.1, OVCP
CN = SwissSign RSA TLS EV ICA 2022 - 1, O = SwissSign AG, C = CH	6AE61943BF4B4FCC8F08ED5044D1C97AA0AD40E1BCFE1BF1B530BD3B151B364D	ETSI EN 319 411-1 V1.5.1, EVCP
CN = SwissSign RSA SMIME MV ICA 2024 – 1, O = SwissSign AG, C = CH	E3367FE0597156205E947903D226C30329951CEE3E63E01FD414F00F85804667	ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA SMIME SV ICA 2024 - 1, O = SwissSign AG, C = CH	7E301988A102A5E93D2249666BB631020BA58FC703DE7B583E91D5449FD0D3AF	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA SMIME OV ICA 2024 - 1, O = SwissSign AG, C = CH	1F11D479C62DE8DAA554E28674DC58C00BDC0401C175E23689E8BE95DFD687BF	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA TLS DV ICA 2026 - 1, O = SwissSign AG, C = CH	D6073FEF5D143DA3CBCCA52F686E3542093F5E5F1A6A8F3A6BEBF65DCC9888F4	ETSI EN 319 411-1 V1.5.1, DVCP
CN = SwissSign RSA TLS OV ICA 2026 - 1, O = SwissSign AG, C = CH	CFD692D83CB455C1E068355D7AABBD5EBD631A42389228822926432D2FB8B1C3	ETSI EN 319 411-1 V1.5.1, OVCP
CN = SwissSign RSA TLS EV ICA 2026 - 1, O = SwissSign AG, C = CH	6FA62783E0FFDF8A9B1579B5766B07FD6B2AF2DC44F9CB9D6068B3EEDEFE20DB	ETSI EN 319 411-1 V1.5.1, EVCP
CN = SwissSign RSA SMIME SV ICA 2026 - 1, O = SwissSign AG, C = CH	EFDB703F45B0083864361EF42C99BEB4A917BF7ED24967B3805A78662D4D4FA8	ETSI EN 319 411-1 V1.5.1, NCP

Table 3: CA issuing end entity certificates where the CA was issued by an Intermediate-CA

Root 2: SwissSign RSA TLS Root CA 2022 - 1

Standards considered:	European Standards: • ETSI EN 319 411-1 V1.5.1 (2025-04) • ETSI EN 319 401 V3.1.1 (2024-06) CA Browser Forum Requirements: • Guidelines for the Issuance and Management of Extended Validation Certificates, version 2.0.2 • Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates, version 2.2.7 • Baseline Requirements for the Issuance and Management of Publicly-Trusted S/MIME Certificates, version 1.0.13 • Network and Certificate System Security Requirements, version 2.0.5 Browser Policy Requirements: • Mozilla Root Store Policy, Version 3.0, 2025-03-15, • Microsoft Trusted Root Program, 2025-02-01 • Chrome Root Program Policy, Version 1.8 2026-02-05 • Apple Root Certificate Program, 2023-08-15 Other: For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) • ETSI TS 119 403-2 V1.5.1 (2023-03)

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

- SwissSign TSPS - Trust Services Practice Statement

Version	Release Date	Effective from	Effective until
Version 12.0	2025-04-10	2025-04-10	2025-09-11
Version 13.0	2025-09-11	2025-09-11	2026-06-08
Version 14.0	2026-06-08	2026-06-08	-

- SwissSign Combined Certificate Profile and Certification Practice Statement for TLS certificates

Version	Release Date	Effective from	Effective until
Version 1.0	2026-06-12	2026-06-12	-

- SwissSign Certificate Practice Statement for TLS certificates

Version	Release Date	Effective from	Effective until
Version 13.0	2025-11-18	2025-11-18	2026-03-02
Version 14.0	2026-03-02	2026-03-02	2026-03-13
Version 15.0	2026-03-13	2026-03-13	2026-06-12

- SwissSign Certificate, CRL and OCSP Profiles for TLS Certificates

Version	Release Date	Effective from	Effective until
Version 12.0	2025-08-07	2025-08-07	2025-09-18
Version 13.0	2025-09-18	2025-09-18	2026-06-12

- SwissSign Certificate Policy for Domain Validated Certificates

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07
Version 5.0	2025-08-07	2025-08-07	2026-06-12

- SwissSign Certificate Policy for Extended Validated Certificates

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07
Version 5.0	2025-08-07	2025-08-07	2026-06-12

No major or minor non-conformities have been identified during the audit.

This Audit Attestation also covers the following incidents as described in the following.

- Bug 1965828, SwissSign: OCSP outage
  https://bugzilla.mozilla.org/show_bug.cgi?id=1965828
- Bug 1995252, SwissSign: Attribute Change process did not revoke single-domain certificates
  https://bugzilla.mozilla.org/show_bug.cgi?id=1995252
- Bug 1990254, SwissSign: recommendation on risk assessment
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990254
- Bug 1990263, SwissSign: recommendation on BIA/BCP review
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990263
- Bug 1990266, SwissSign: recommendation on BIA/BCP test coverage
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990266
- Bug 1990271, SwissSign: recommendation on firewall review
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990271
- Bug 1990272, SwissSign: recommendation on backup testing
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990272
- Bug 1990274, SwissSign: recommendation on synchronization of staging and production environments
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990274
- Bug 1990275, SwissSign: recommendation on publication process for CA related data
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990275
- Bug 1990284, SwissSign: recommendation on review of key pair generation implementation
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990284
- Bug 1990269, SwissSign: recommendation on document release dual control
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990269
- Bug 1990276, SwissSign: recommendation on evaluation of cloud service providers
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990276
- Bug 1990277, SwissSign: recommendation on CA-specific risk assessment

https://bugzilla.mozilla.org/show_bug.cgi?id=1990277

- Bug 1990281, SwissSign: recommendation on self-assessment tool
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990281
- Bug 1990285, SwissSign: recommendation on log review process
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990285
- Bug 1990282, SwissSign: recommendation on linting software updates
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990282
- Bug 2034359, SwissSign: Delayed revocation related to Bugzilla 2033000
- https://bugzilla.mozilla.org/show_bug.cgi?id=2034359

The remediation measures taken by SwissSign as described on Bugzilla (see link above) have been checked by the auditors and properly addressed the incident.

Distinguished Name	SHA-256 fingerprint	Applied policy
CN = SwissSign RSA TLS Root CA 2022 - 1, O = SwissSign AG, C = CH	193144F431E0FDDB740717D4DE926A571133884B4360D30E272913CBE660CE41	ETSI EN 319 411-1 V1.5.1, EVCP ETSI EN 319 411-1 V1.5.1, OVCP ETSI EN 319 411-1 V1.5.1, DVCP

Table 5: Root-CA 2 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
CN = SwissSign RSA TLS DV ICA 2022 - 1, O = SwissSign AG, C = CH	B400250EF2B09B30E9AAA3E2C20017B8911BD039DF8AF54949C60AED5BF697D4	ETSI EN 319 411-1 V1.5.1, DVCP
CN = SwissSign RSA TLS OV ICA 2022 - 1, O = SwissSign AG, C = CH	332F9EAE3650C77454AF14FE1A621A2498FD128773662890A0D12835B3436E23	ETSI EN 319 411-1 V1.5.1, OVCP
CN = SwissSign RSA TLS EV ICA 2022 - 1, O = SwissSign AG, C = CH	6AE61943BF4B4FCC8F08ED5044D1C97AA0AD40E1BCFE1BF1B530BD3B151B364D	ETSI EN 319 411-1 V1.5.1, EVCP
CN = SwissSign RSA TLS DV ICA 2026 - 1, O = SwissSign AG, C = CH	D6073FEF5D143DA3CBCCA52F686E3542093F5E5F1A6A8F3A6BEBF65DCC9888F4	ETSI EN 319 411-1 V1.5.1, DVCP
CN = SwissSign RSA TLS OV ICA 2026 - 1, O = SwissSign AG, C = CH	CFD692D83CB455C1E068355D7AABBD5EBD631A42389228822926432D2FB8B1C3	ETSI EN 319 411-1 V1.5.1, OVCP
CN = SwissSign RSA TLS EV ICA 2026 - 1, O = SwissSign AG, C = CH	6FA62783E0FFDF8A9B1579B5766B07FD6B2AF2DC44F9CB9D6068B3EEDEFE20DB	ETSI EN 319 411-1 V1.5.1, EVCP

Table 4: CA issuing end entity certificates issued by the Root-CA

Root 3: SwissSign RSA SMIME Root CA 2021 - 1

Standards considered:	European Standards: • ETSI EN 319 411-1 V1.5.1 (2025-04) • ETSI EN 319 401 V3.1.1 (2024-06) • ETSI TS 119 411-6 V1.1.1 (2023-08) CA Browser Forum Requirements: • Baseline Requirements for the Issuance and Management of Publicly-Trusted S/MIME Certificates, version 1.0.13 • Network and Certificate System Security Requirements, version 2.0.5 Browser Policy Requirements: • Mozilla Root Store Policy, Version 3.0, 2025-03-15, • Microsoft Trusted Root Program, 2025-02-01 • Chrome Root Program Policy, Version 1.8 2026-02-05 • Apple Root Certificate Program, 2023-08-15 Other: For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) ETSI TS 119 403-2 V1.5.1 (2023-03)

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

- SwissSign TSPS - Trust Services Practice Statement

Version	Release Date	Effective from	Effective until
Version 12.0	2025-04-10	2025-04-10	2025-09-11
Version 13.0	2025-09-11	2025-09-11	2026-06-08
Version 14.0	2026-06-08	2026-06-08	-

- SwissSign CPR S/MIME - Certificate, CRL and OCSP Profiles for S/MIME Certificates

Version	Release Date	Effective from	Effective until
Version 12.0	2025-05-19	2025-05-19	2025-08.07
Version 13.0	2025-08-07	2025-08-07	2025-09-18
Version 14.0	2025-09-18	2025-09-18	2026-04-17
Version 15.0	2026-04-17	2026-04-17	2026-06-12
Version 16.0	2026-06-12	2026-06-12	-

- SwissSign CP Sponsor Validated (SV) S/MIME - Certificate Policy according to S/MIME BR Sponsor Validated and ETSI EN 319 411-1 Normalized Certificate Policy

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07

Version 5.0	2025-08-07	2025-08-07	2026-07-10
Version 6.0	2026-07-10	2026-07-10	-

- SwissSign CP Mailbox Validated (MV) S/MIME - Certificate Policy according to S/MIME BR Mailbox Validated and ETSI EN 319 411-1 Lightweight Certificate Policy

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07
Version 5.0	2025-08-07	2025-08-07	2026-07-10
Version 6.0	2026-07-10	2026-07-10	-

- SwissSign CP Organization Validated (OV) S/MIME - Certificate Policy according to S/MIME BR Organization Validated and ETSI EN 319 411-1 Normalized Certificate Policy

Version	Release Date	Effective from	Effective until
Version 2.0	2025-05-15	2025-05-15	2026-05-13
Version 3.0	2026-05-13	2026-05-13	-

No major or minor non-conformities have been identified during the audit.

This Audit Attestation also covers the following incidents as described in the following.´

- Bug 1929189, SwissSign: S/MIME certificates deviate from CPR
  https://bugzilla.mozilla.org/show_bug.cgi?id=1929189
- Bug 1965828, SwissSign: OCSP outage
  https://bugzilla.mozilla.org/show_bug.cgi?id=1965828
- Bug 1995252, SwissSign: Attribute Change process did not revoke single-domain certificates
  https://bugzilla.mozilla.org/show_bug.cgi?id=1995252
- Bug 1990254, SwissSign: recommendation on risk assessment
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990254
- Bug 1990263, SwissSign: recommendation on BIA/BCP review
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990263
- Bug 1990266, SwissSign: recommendation on BIA/BCP test coverage
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990266
- Bug 1990271, SwissSign: recommendation on firewall review
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990271
- Bug 1990272, SwissSign: recommendation on backup testing
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990272
- Bug 1990274, SwissSign: recommendation on synchronization of staging and production environments
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990274
- Bug 1990275, SwissSign: recommendation on publication process for CA related data
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990275
- Bug 1990284, SwissSign: recommendation on review of key pair generation implementation
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990284
- Bug 1990269, SwissSign: recommendation on document release dual control

https://bugzilla.mozilla.org/show_bug.cgi?id=1990269

- Bug 1990276, SwissSign: recommendation on evaluation of cloud service providers
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990276
- Bug 1990277, SwissSign: recommendation on CA-specific risk assessment
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990277
- Bug 1990281, SwissSign: recommendation on self-assessment tool
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990281
- Bug 1990285, SwissSign: recommendation on log review process
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990285
- Bug 1990282, SwissSign: recommendation on linting software updates
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990282
- Bug 2034359, SwissSign: Delayed revocation related to Bugzilla 2033000
- https://bugzilla.mozilla.org/show_bug.cgi?id=2034359
- Bug 2033000, SwissSign: Certificate Profile error for S/MIME MV
  https://bugzilla.mozilla.org/show_bug.cgi?id=2033000

Distinguished Name	SHA-256 fingerprint	Applied policy
CN = SwissSign RSA SMIME Root CA 2021 – 1, O = SwissSign AG, C = CH	B6D56F3DD26AC844E57C8BFE9054F57061350A90894B99CD9811E9A545FC84C5	ETSI EN 319 411-1 V1.5.1, LCP ETSI EN 319 411-1 V1.5.1, NCP

Table 5: Root-CA n 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
CN = SwissSign RSA SMIME LCP ICA 2021 - 2, O = SwissSign AG, C = CH	5CFFA8DB135F913363ACEB7CE362D098F3C1EBD26C63C560C095381E896504FA	ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA SMIME NCP ICA 2021 - 1, O = SwissSign AG, C = CH	1935AA544A73D755E913357FCE0E44AFC90E0809AC97A89964F0A90A59C376B6	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA SMIME NCP extended ICA 2021 - 1, O = SwissSign AG, C = CH	0A6EEB87C2B4AC4A0DF4A68CA7E5244408E06A0CF3BE973156A52AAD835D7466	ETSI EN 319 411-1 V1.5.1, NCP

Table 6: CA issuing end entity certificates issued by the Root-CA

Root 4: SwissSign RSA SMIME Root CA 2022 - 1

Standards considered:	European Standards: • ETSI EN 319 411-1 V1.5.1 (2025-04) • ETSI EN 319 401 V3.1.1 (2024-06) • ETSI TS 119 411-6 V1.1.1 (2023-08) CA Browser Forum Requirements: • Baseline Requirements for the Issuance and Management of Publicly-Trusted S/MIME Certificates, version 1.0.13 • Network and Certificate System Security Requirements, version 2.0.5 Browser Policy Requirements: • Mozilla Root Store Policy, Version 3.0, 2025-03-15, • Microsoft Trusted Root Program, 2025-02-01 • Chrome Root Program Policy, Version 1.8 2026-02-05 • Apple Root Certificate Program, 2023-08-15 Other: For the Trust Service Provider Conformity Assessment: • ETSI EN 319 403-1 V2.3.1 (2020-06) • ETSI TS 119 403-2 V1.5.1 (2023-03)

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

- SwissSign TSPS - Trust Services Practice Statement

Version	Release Date	Effective from	Effective until
Version 12.0	2025-04-10	2025-04-10	2025-09-11
Version 13.0	2025-09-11	2025-09-11	2026-06-08
Version 14.0	2026-06-08	2026-06-08	-

- SwissSign CPR S/MIME - Certificate, CRL and OCSP Profiles for S/MIME Certificates

Version	Release Date	Effective from	Effective until
Version 12.0	2025-05-19	2025-05-19	2025-08.07
Version 13.0	2025-08-07	2025-08-07	2025-09-18
Version 14.0	2025-09-18	2025-09-18	2026-04-17
Version 15.0	2026-04-17	2026-04-17	2026-06-12
Version 16.0	2026-06-12	2026-06-12	-

- SwissSign CP Sponsor Validated (SV) S/MIME - Certificate Policy according to S/MIME BR Sponsor Validated and ETSI EN 319 411-1 Normalized Certificate Policy

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07
Version 5.0	2025-08-07	2025-08-07	2026-07-10
Version 6.0	2026-07-10	2026-07-10	-

- SwissSign CP Mailbox Validated (MV) S/MIME - Certificate Policy according to S/MIME BR Mailbox Validated and ETSI EN 319 411-1 Lightweight Certificate Policy

Version	Release Date	Effective from	Effective until
Version 4.0	2024-08-08	2024-08-08	2025-08-07
Version 5.0	2025-08-07	2025-08-07	2026-07-10
Version 6.0	2026-07-10	2026-07-10	-

- SwissSign CP Organization Validated (OV) S/MIME - Certificate Policy according to S/MIME BR Organization Validated and ETSI EN 319 411-1 Normalized Certificate Policy

Version	Release Date	Effective from	Effective until
Version 2.0	2025-05-15	2025-05-15	2026-05-13
Version 3.0	2026-05-13	2026-05-13	-

No major or minor non-conformities have been identified during the audit.

This Audit Attestation also covers the following incidents as described in the following.´

- Bug 1929189, SwissSign: S/MIME certificates deviate from CPR
  https://bugzilla.mozilla.org/show_bug.cgi?id=1929189
- Bug 1965828, SwissSign: OCSP outage
  https://bugzilla.mozilla.org/show_bug.cgi?id=1965828
- Bug 1995252, SwissSign: Attribute Change process did not revoke single-domain certificates
  https://bugzilla.mozilla.org/show_bug.cgi?id=1995252
- Bug 1990254, SwissSign: recommendation on risk assessment
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990254
- Bug 1990263, SwissSign: recommendation on BIA/BCP review
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990263
- Bug 1990266, SwissSign: recommendation on BIA/BCP test coverage
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990266
- Bug 1990271, SwissSign: recommendation on firewall review
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990271
- Bug 1990272, SwissSign: recommendation on backup testing
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990272
- Bug 1990274, SwissSign: recommendation on synchronization of staging and production environments
  https://bugzilla.mozilla.org/show_bug.cgi?id=1990274

- Bug 1990275, SwissSign: recommendation on publication process for CA related data https://bugzilla.mozilla.org/show_bug.cgi?id=1990275
- Bug 1990284, SwissSign: recommendation on review of key pair generation implementation https://bugzilla.mozilla.org/show_bug.cgi?id=1990284
- Bug 1990269, SwissSign: recommendation on document release dual control https://bugzilla.mozilla.org/show_bug.cgi?id=1990269
- Bug 1990276, SwissSign: recommendation on evaluation of cloud service providers https://bugzilla.mozilla.org/show_bug.cgi?id=1990276
- Bug 1990277, SwissSign: recommendation on CA-specific risk assessment https://bugzilla.mozilla.org/show_bug.cgi?id=1990277
- Bug 1990281, SwissSign: recommendation on self-assessment tool https://bugzilla.mozilla.org/show_bug.cgi?id=1990281
- Bug 1990285, SwissSign: recommendation on log review process https://bugzilla.mozilla.org/show_bug.cgi?id=1990285
- Bug 1990282, SwissSign: recommendation on linting software updates https://bugzilla.mozilla.org/show_bug.cgi?id=1990282
- Bug 2034359, SwissSign: Delayed revocation related to Bugzilla 2033000
- https://bugzilla.mozilla.org/show_bug.cgi?id=2034359
- Bug 2033000, SwissSign: Certificate Profile error for S/MIME MV https://bugzilla.mozilla.org/show_bug.cgi?id=2033000

Distinguished Name	SHA-256 fingerprint	Applied policy
CN = SwissSign RSA SMIME Root CA 2022 – 1, O = SwissSign AG, C = CH	9A12C392BFE57891A0C545309D4D9FD567E480CB613D6342278B195C79A7931F	ETSI EN 319 411-1 V1.5.1, LCP ETSI EN 319 411-1 V1.5.1, NCP

Table 9: Root-CA 4 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
CN = SwissSign RSA SMIME LCP ICA 2022 - 1, O = SwissSign AG, C = CH	D7F41FABE5A459BAC6882465C75CCFF2BAA52487AABC34706CAF2A18AC53A5C2	ETSI EN 319 411-1 V1.5.1, LCP
CN = SwissSign RSA SMIME NCP ICA 2022 - 1, O = SwissSign AG, C = CH	99A56DD8DACA399FCA2E3834ED75760E96C133564062F8B530B355BED99A409D	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA SMIME NCP extended ICA 2022 - 1, O = SwissSign AG, C = CH	7196E86DCFDB92B0509213D806DCA2465FC41415A0B4069D35F946DE6813CF79	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA SMIME MV ICA 2024 – 1, O = SwissSign AG, C = CH	E3367FE0597156205E947903D226C30329951CEE3E63E01FD414F00F85804667	ETSI EN 319 411-1 V1.5.1, LCP
SwissSign RSA SMIME SV ICA 2024 - 1, O = SwissSign AG, C = CH	7E301988A102A5E93D2249666BB631020BA58FC703DE7B583E91D5449FD0D3AF	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA SMIME OV ICA 2024 - 1, O = SwissSign AG, C = CH	1F11D479C62DE8DAA554E28674DC58C00BDC0401C175E23689E8BE95DFD687BF	ETSI EN 319 411-1 V1.5.1, NCP
CN = SwissSign RSA SMIME SV ICA 2026 - 1, O = SwissSign AG, C = CH	EFDB703F45B0083864361EF42C99BEB4A917BF7ED24967B3805A78662D4D4FA8	ETSI EN 319 411-1 V1.5.1, NCP

Table 10: CA issuing end entity certificates issued by the Root-CA

Key pairs without a corresponding certificate (“parked keys”)

- Not applicable -

Modifications record

Version	Issuing Date	Changes
Version 1	2026-09-02	Initial attestation

End of the audit attestation letter.