

Swisscom Trust Services – to build the best digital identification and signature services in Europe

Advanced and qualified electronic seals in Swiss and EU/EEA jurisdiction

What is an electronic seal?

A seal is basically an approved electronic signature for legal entities that can be used to sign contracts, outgoing mail, invoices, terms and conditions, certificates and other documents typically issued by an organisation. In contrast to the personal electronic signature, it is not automatically equal to the handwritten signature but is nevertheless mentioned in some laws and regulations.

Legally recognised remote signature service of Swisscom Trust Services

Swisscom Trust Services is the only European service provider for recognised, qualified and advanced signatures as well as regulated/qualified or advanced seals both in the Swiss legal area (ZertES Law) and in the European judicial area (EU regulation eIDAS). eIDAS seals are recognised in each EU Member State.

Adobe – green mark

Advanced, regulated and qualified seals are marked with a green mark for a valid signature in Adobe Reader.

Typical use cases

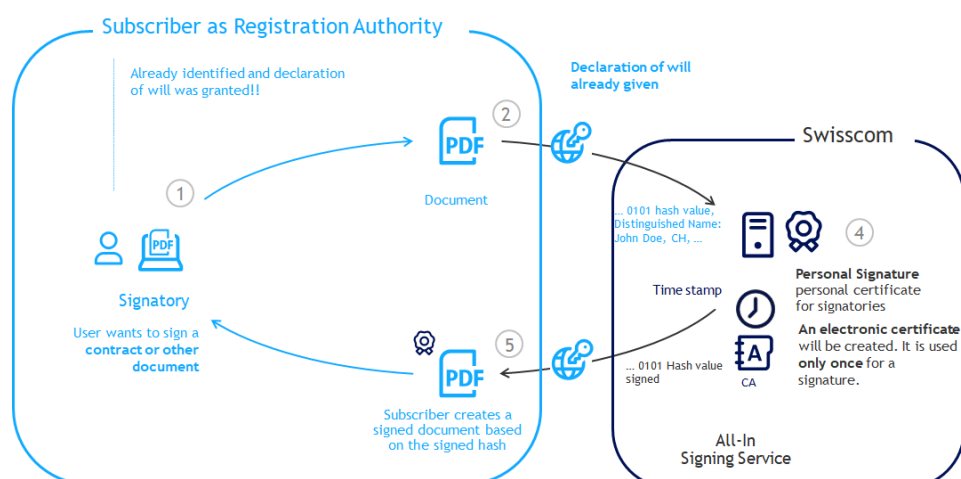
Seals are suitable for automated mass signatures, because they do not depend on a single declaration of will to sign. In this way, seals can be used in the archiving of business documents and ensure integrity protection to contracts with e.g. scanned signatures.

Seal application of our partner (subscriber application)


Swisscom Trust Services offers sealing possibilities together with partner solutions approved for this purpose. These solutions use a standard encryption protocol (Transport Layer Security – TLS) and the authentication of this TLS connection by a person in charge of the seal organisation, to ensure that the sealing process is only applied to designated documents. Only a hash value is transferred to the Swisscom Trust Services, while the document contents remain hidden for Swisscom. The TLS protocol itself is based on a so-called SSL(TLS) certificate which private key is owned by the organization.

Qualified timestamp

Each seal is issued in combination with a qualified time stamp for long-term validation.



Facts & Figures

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|---|---|
|  | OASIS Rest oder Soap API For integration of partner applications |
| Easy | |
|  | Authentication TLS Authentication with specially protected private key of the TLS certificate: <ul style="list-style-type: none"> – Advanced Seal: 1 factor (possession) – Qualified or regulated seal: 2 factors (e.g. possession and knowledge, e.g. particularly secure access to the private key in the database or HSM) |
| Secure | |
|  | Signature certificate Faithful provision of 3-year organisation certificate for seals, advanced/ qualified Qualified timestamp Free additional signature with qualified timestamp according to ZertES Swiss law/ EU regulation eIDAS Long-term validation All seals are long-term validated according to ETSI standards |
| Durable | |
|  | Application Verification of the organisation based on registers or certified register extracts, personal identification of applicants (organisation's authorised representative) and qualified signature of the certificate application. Authorized partner solution with 2FA access for the private key of the TLS Authentication Certificate (qualified/regulated) or transmission of the certificate by the responsible person of the organization (advanced) |
| Qualified | |
|  | Signature application <ul style="list-style-type: none"> – Advanced: Swisscom Trust Services partner applications, that use the access interface – Qualified: Only already approved Swisscom Trust Services partner platforms for the qualified service |
| | |
|  | Data privacy – only transmission of document hashes No conclusion about documents contents by Swisscom possible Qualified recognised Swisscom IT Services Finance S.E. in Vienna, Austria is an accredited trust service provider for qualified and advanced certificates and seals in the EU and on the eIDAS Trust List. Swisscom (Switzerland) Ltd. is recognised as certificate service provider in Switzerland for the Swiss Signature Act (ZertES). The green mark of Adobe All signatures (advanced and qualified) are recognised by Adobe (AATL standard) |
| Legally compliant | |

Are you interested in enriching your solution with qualified remote signatures?

Get in contact with us!

<https://trustservices.swisscom.com>