eIDAS Trust Service Provider Assessments

EU Member States have been using trust services and electronic ID systems for many years. Under the new eIDAS Regulation, these services and systems must be available to all EU citizens. This means that an electronic ID from one country can be used for services in the whole EU.

A citizen's electronic ID (eID) must be recognized for government services in all EU Member States. The services are those that would need identification, such as taxes, banking and more. Such services need to be secure and trustworthy.

The eIDAS Regulation defines requirements for Trust Service Providers (TSP) and their systems providing Qualified Trust Services. Qualified TSPs (QTSP) must demonstrate compliance to these requirements to a responsible Supervisory Body via a Conformity Assessment (evaluation). The assessment is performed by an accredited Conformity Assessment Body.

atsec is a licensed Conformity Assessment Body under eIDAS. atsec is highly experienced in IT security and quality evaluations from working with Common Criteria (CC), also known as ISO/IEC 15408, and has performed more than 150 evaluations. Although CC is a different certification scheme, the same security expertise is key when assessing trust services.
By passing the assessment, the provider becomes

eIDAS Regulation

The term eIDAS refers to the EU Regulation No 910/2014 on "electronic identification and trust services for electronic transactions". If you are interested in knowing more or downloading the regulation, please visit:
http://data.europa.eu/eli/reg/2014/910/oj

For more formation regarding T-Systems, please visit:
http://www.t-systems-zert.com/index_e.html

qualified against the specific requirements of the assessed Qualified Trust Service. The provider receives a Mark of Conformity and appears on the Member State's Trusted List. Conformity Assessments must then take place periodically for a QTSP to maintain their qualified status.

Qualified Trust Services

There are five main Qualified Trust Services defined by the eIDAS regulation. The QTSP must comply with both the general requirements of a QTSP and those related to a specific trust service.

- **Issuing Qualified Electronic Signatures**
  (Art. 25) The signature has the equivalent legal effect of a handwritten signature. It is based on a Qualified Certificate and created using a Qualified Signature Creation Device (QSCD).

- **Issuing Qualified Electronic Seals Issuing**
  (Art. 35) The seal shows the correctness of the origin and integrity of the data to which the seal is linked. It is based on a Qualified Certificate and created using a Qualified Signature Creation Device (QSCD).

- **Qualified Validation** *(Signatures/Seals)*
  (Art. 32 or 40) Validation shall confirm the validity of a Qualified Electronic Signature or Seal provided that it has been issued correctly and the integrity has not been compromised.

- **Qualified Preservation** *(Signatures/Seals)*
  (Art. 34 or 40) Preservations means using procedures and technologies capable of extending the trustworthiness of the Qualified Electronic Signature or Seal beyond the technological validity period.

- **Qualified Electronic Time Stamps**
  (Art. 42) The time stamp binds the date and time to data so that any changes to the data will be detected, and it is based on an accurate time source linked to UTC.

- **Qualified Electronic Registered Delivery Services**
  (Art. 43) Data sent using a delivery service shall show the integrity of the data, the sender, receipt by the addressee and the accuracy of the date and time of sending, receiving and any changes to the data.

- **Qualified Certificates for Website Authentication**
  (Art. 45) The certificate should make it possible to authenticate a website, and link the website to the natural or legal person to whom the certificate is issued.

Conformity Assessments with atsec

atsec provides eIDAS Conformity Assessments under the T-Systems eIDAS Certification Body for their 'eIDAS TSP' Certification Programmes (31 and 32).

An eIDAS Conformity Assessment is performed initially when a TSP intends to start providing Qualified Trust Services. Additionally, reassessments are performed every 2 years, or as requested by the Supervisory Body, to verify that the requirements are still fulfilled.

The assessment is performed in three different stages:

- **Stage 0: Preparation**
  The preparation stage before the start of the actual assessment. The Conformity Assessment Body and TSP will define and agree on the plan and scope of the assessment.

  The Conformity Assessment Body will request the necessary documentation from the TSP, which is required to perform the assessment. Documentation includes technical documentation of the trust services, the operation of the trust service, and the procedures and policies TSP's organization.

- **Stage 1: Documentation Review**
  During the first stage the Conformity Assessment Body will review the provided documentation to assess wether TSP and it's trust services are in compliance with the eIDAS regula-

tion. Additional documentation may be requested from the TSP as necessary.

After the review, the first part of the Conformity Assessment Report is drafted, containing the results of the first stage. Aside from minor issues, the TSP must resolve any open issues before the second stage can be initiated.

- **Stage 2: On-site audit**
  This stage is performed at the TSP's site, where the TSP must demonstrate that it and its trust services complies with its own policies and procedures as described in the stage 1 documentation. The Conformity Assessment Body will also sample evidence for the report.

After both stages of the assessment are completed, the Conformity Assessment Report is finalized by documenting the results of the second stage. The report is provided to the Supervisory Body. Based on this report a decision will be made regarding the TSP's compliance to the eIDAS Regulation. If necessary, the Supervisory Body may request further evidence or details before the decision is made.

Training

To provide your trust service team the best possible start to providing trust services, atsec offers tailored educations about eIDAS in general, as well as in each specific qualified trust service area.

Other services offered by atsec

eIDAS Conformity Assessments are one of many security services we offer. For more information on what other services atsec can provide, please visit: www.atsec.se

For more information on how we can help you or other questions about eIDAS trust services, please contact us on: info-se@atsec.com