



EU4Digital

EU4Digital: supporting digital economy  
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# **eSignature pilot extension Country profile: Estonia**

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## 1. Participant information

### 1.1. Estonia eID and digital trust services profile

eID culture dates back to 2002 when first certificate-equipped ID-card was issued. Since then, new eIDs have been introduced like Mobile-ID in 2007 and Smart-ID in 2017. The number of eSignatures created yearly exceeds 500 million and eSignature use is dominant.

#### 1.1.1. Implementation approach

Estonia uses all available eIDs to create and verify eSignatures in Common Format by developing customised version of DigiDoc4 Client that is part of “ID-software”, available from <https://www.id.ee/en/article/install-id-software/>. The Client comes with source code and is available from <https://github.com/open-eid/DigiDoc4-Client>.

Estonia is to use ID-card, Mobile-ID or Smart-ID with qualified certificates for signature creation.

**Status:** Special version of DigiDoc4 Client is developed supporting verification of UA, MD and EU eSignatures in Common Format.

#### 1.1.2. Trust Service Information (for accepting Estonian eSignature)

Estonian TSL (Trust-Service Status List) is available at <https://sr.riik.ee/en.html>. Individual service EU certificates can be found at <https://www.skidsolutions.eu/en/repository/certs>. The EU Trust Services browser can be also used at <https://esignature.ec.europa.eu/efda/tl-browser/#/screen/tl/EE/1>.

The following service certificates are relevant in context of qualified e-signature validation:

- ESTEID\* (for ID-card and Mobile-ID) and EID-SK 2016 (for Smart-ID) CA certificates.
- SK-TSA 20\* TSA certificates.
- OCSP responder certificates are issued by corresponding CA-s, have short lifetime (1 month) and having subject name in form of “ESTEID/EID \* AIA OCSP RESPONDER”.

SK Trust Services Practice Statement: <https://www.skidsolutions.eu/en/repository/sk-ps/>.

Certification Practice Statements: <https://www.skidsolutions.eu/en/repository/CPS/> - relevant ones are ESTEID2018 (ID-cards), ESTEID-SK (ID-cards + Mobile-ID) and EID-SK (Smart-ID).

Certificate policies: <https://www.skidsolutions.eu/en/repository/CP/>.

Certificate, CRL and OCSP Profiles: <https://www.skidsolutions.eu/en/repository/profiles/>.