

# TC BUSINESS ID for Adobe (HSM)

Service Description | Version 1.1

## 1. General

TC Business ID for Adobe (HSM) is a document signing certificate chained to the Adobe Root. It is designed to be used by PDF signing servers (e.g. Adobe LifeCycle ES). TC Business ID for Adobe allows enterprises to create certified or signed PDF documents which can be validated using the free Adobe Reader software (v6.0 or newer) without manual interaction and without installing any additional plugin software.

## 2. Standard Features

TC Business ID for Adobe (HSM) includes the following deliverables and services:

- ▶ An X.509 certificate issued by the "TC TrustCenter CA for Adobe I" chained to the Adobe Root CA. The certificate fully complies with the Adobe requirements for the Adobe Certified Document Services (CDS).
- ▶ CRL service to be used to embed the validation information into the signed PDF document as part of the signing process.
- ▶ Online validation service (OCSP, RFC2560) to be used to embed validation information into the signed PDF document as part of the signing process.
- ▶ Online Time Stamping service (RFC3161) to be used to embed the time stamp into the signed PDF document as part of the signing process.
- ▶ Revocation service

## 3. Requirements and Compliance Guidelines

To prevent any security compromises caused by malicious intent, system failures or inadvertent errors, customers are required to meet and adhere to guidelines for generating and managing the private key associated with the TC Business ID for Adobe (HSM) certificate in a trustworthy fashion.

### 3.1 Key Pair Requirements

- ▶ The customer has to provide hardware key generation and storage on a device meeting or exceeding the FIPS 140-2 level 2 standards.
- ▶ The minimum key length is RSA 2048bit.

### 3.2 Certificate Requirements

- ▶ The certificate may be issued
  - To a single person (common name will be set to the person's name)
  - To a role, Team, Department (common name will be set to the respective name)
  - To an entire organization (common name will be set to the organization's name).

TC TrustCenter will vet the respective entities according to the CPS (see <http://www.trustcenter.de/cps>)

- ▶ The customer may use this TC Business ID for Adobe certificate to create as many signatures per year as specified when purchasing the certificate.

### 3.3 Certificate Revocation

- ▶ The customer notifies TC TrustCenter as soon as a suspected compromise is detected.
- ▶ On their letterhead the customer faxes a signed letter requesting TC TrustCenter to revoke the TC Business ID for Adobe certificate.
- ▶ TC TrustCenter revokes the respective TC Business ID for Adobe certificate

## 4. Certificate Issuance Process

Prior to issuing a TC Business ID for Adobe (HSM) certificate the following information has to be provided:

- ▶ The filled and signed order form.
- ▶ The vetting documents as required for TC Class 2 vetting.
- ▶ The PKCS#10 request with PEM encoding. The PKCS#10 request must contain
  - the organization's name according to the public records in the O-field
  - the country code of the country where the organization is located in the C-field
  - the name of the city where the organization is located in the L-field
  - the name of state or province the organization is located in the ST-field
  - the name of the person or role or the organization in the CN-field, depending on the certificate holder (see section 3.2).