

SIGNATURE CREATION WORKFLOW AND CONFIGURATION OPTIONS

The workflow is configurable through the GUI and registry settings.³

Supports 3rd party handlers.

Create signature appearances with the UI or programmatically. Contents are defined by the SigAP dictionary included in the form field.⁴

The signature appearance is included in the message digest.

The DSA/RSA algorithm is specified by the signer's digital ID private key in a P12/PFX file, smart card/token, roaming ID server, Mac Key Chain, or Windows store.

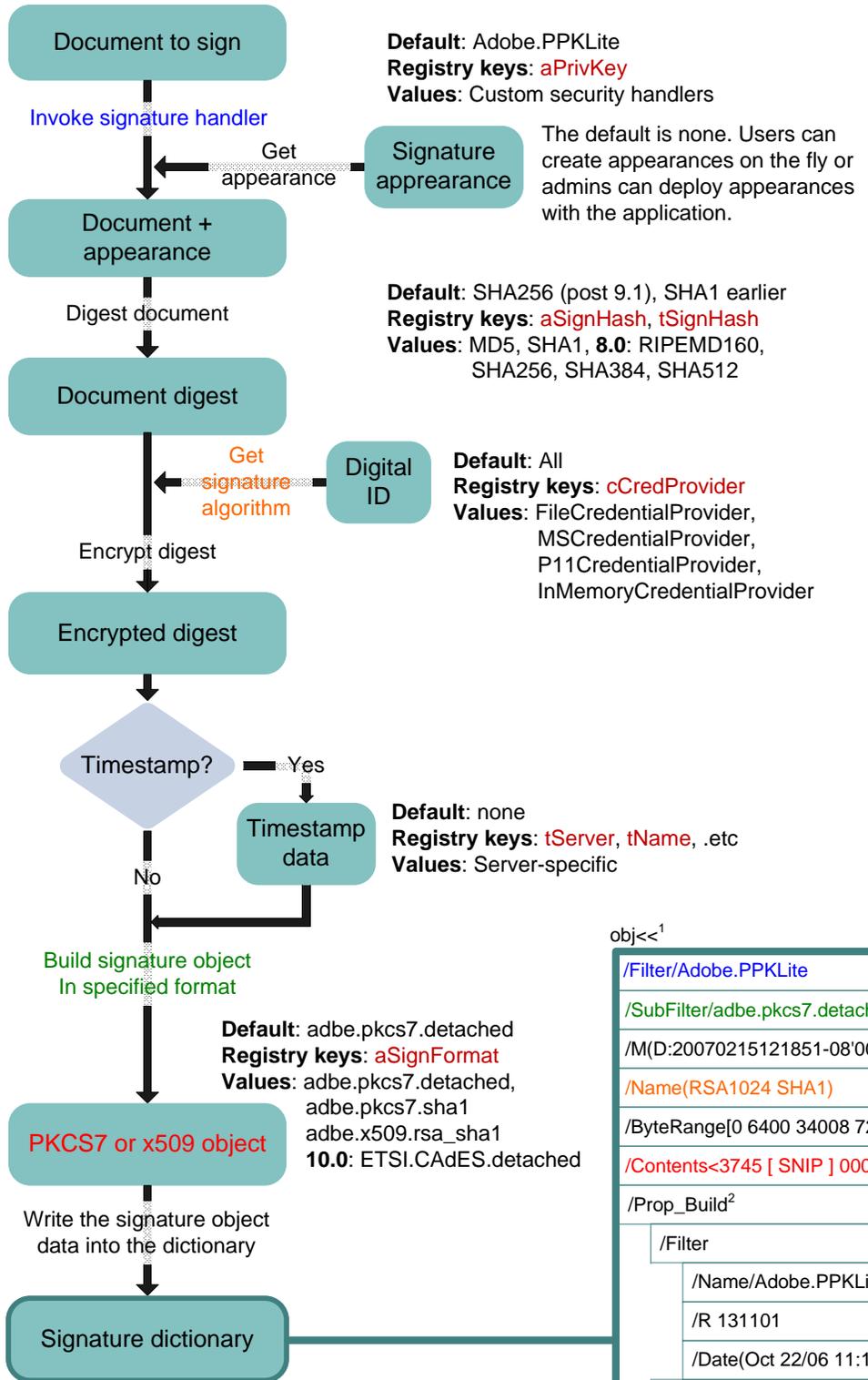
Revocation checking is configurable for any certificate in the chain, including the signers, the ICA, any timestamp CA, etc.³

If not time stamped or time stamping fails, use the local time.³

The signature object is built in memory until all the revocation checking, timestamp, and certificate data is retrieved.

The signature object is encoded using the Distinguished Encoding Rules (DER). The DER object is hex encoded and padded with zeros to make the signed byte range match the size that was set aside when the signing process began.

Dictionary contents are customizable through UI and registry settings such as **cReasons**, **cContactInfo**, etc.³



```

obj<<1
/Filter/Adobe.PPKLite
/SubFilter/adbe.pkcs7.detached
/M(D:20070215121851-08'00')
/Name(RSA1024 SHA1)
/ByteRange[0 6400 34008 7262 ]
/Contents<3745 [ SNIP ] 000000>
/Prop_Build2
  /Filter
    /Name/Adobe.PPKLite
    /R 131101
    /Date(Oct 22/06 11:11:05)
  /Other entries . . . .
/Reason(My boss made me sign.)
/Type/Sig
/ContactInfo(ben@example.com)
/Location(San Jose, CA)
>>endobj
  
```

REFERENCES

- ¹PDF Reference
- ²Digital Signature Build Dictionary Specification
- ³Digital Signatures and Rights Mgmt in Acrobat
- ⁴Digital Signature Appearances (in the SDK)