




## Validation Process for Basic Signatures


Is the result of the Basic Validation Process conclusive? 

Conclusion : **INDETERMINATE - REVOKED\_NO\_POE**

## Validation Process for Signatures with Time and Signatures with Long-Term Validation Data


Is the result of the Basic Validation Process acceptable? 


Is the result of the revocation data validation process acceptable? 

Is revocation time posterior to best-signature-time? 

Conclusion : **INDETERMINATE - REVOKED\_NO\_POE**

## Validation Process for Signatures with Archival Data

Is the result of the LTV validation process acceptable? 

Is past signature validation conclusive? 

Conclusion : **INDETERMINATE - NO\_POE**

## Basic Building Blocks

SIGNATURE - id-faa883ec7f13858e97f681c88a79b9f2e1145d4d27e69f1f9db4a41aa605c8dc

Is the expected format found? 

**Identification of the signing certificate (ISC) :** **PASSED**

Is there an identified candidate for the signing certificate? 

Is the signing certificate signed? 

Is the signed attribute: 'signing-certificate' present? 

Is the signed attribute: 'cert-digest' of the certificate present? 

Is the certificate's digest value valid? 

Are the issuer distinguished name and the serial number equal? 

**Validation Context Initialization (VCI) :** **PASSED**

Is the signature policy known? 

**Cryptographic Verification (CV) :** **PASSED**

Is the reference data object(s) found? 

Is the reference data object(s) intact? 

Is the signature intact? 

**Signature Acceptance Validation (SAV) :** **PASSED**

Is signed qualifying property: 'signing-time' present? 

Are signature cryptographic constraints met? 

**X509 Certificate Validation (XCV) :** **INDETERMINATE**

Can the certificate chain be built till the trust anchor? 

Is the certificate validation concluant ? 

**Certificate :** **INDETERMINATE**

Is the certificate unique ? 

Is the certificate's signature intact? 

Are signature cryptographic constraints met? 

Has the signer's certificate given key-usage? 

|  |                      |
|--|----------------------|
| Is authority info access present?                              | ✔                    |
| Is revocation info access present?                             | ✔                    |
| Is the certificate not revoked?                                | ✘                    |
| <b>Revocation Freshness Checker (RFC) :</b>                    | <b>PASSED</b>        |
| Is the revocation data present for the certificate?            | ✔                    |
| Is there a Next Update defined for the revocation data?        | ✔                    |
| Is the revocation information fresh for the certificate?       | ✔                    |
| Are signature cryptographic constraints met?                   | ✔                    |
| <b>Trust Anchor</b>  | <b>PASSED</b>        |
| <b>Past Signature Validation (PSV) :</b>                       | <b>INDETERMINATE</b> |
| Is past certificate validation acceptable?                     | ✘                    |
| <b>Past Certificate Validation (PCV) :</b>                     | <b>INDETERMINATE</b> |
| Can the certificate chain be built till the trust anchor?      | ✔                    |
| Is the certificate's signature intact?                         | ✔                    |
| Is validation time sliding conclusive?                         | ✘                    |
| <b>Validation Time Sliding (VTS) :</b>                         | <b>INDETERMINATE</b> |
| Is there a satisfying revocation status information ?          | ✔                    |
| Is there a POE of the certificate at (or before) control-time? | ✘                    |

### Basic Building Blocks

REVOCACTION -

024c1dc5b949cc4846427393c07fd2ace65ccd8b2f31632bb5ad32e2bd5a95d62ca272bd1117622763a383a7995fed98be7087e5c66124d0d615b

|   |               |
|---|---------------|
| <b>Identification of the signing certificate (ISC) :</b>      | <b>PASSED</b> |
| Is there an identified candidate for the signing certificate? | ✔             |
| <b>Cryptographic Verification (CV) :</b>                      | <b>PASSED</b> |
| Is the reference data object(s) found?                        | ✔             |
| Is the reference data object(s) intact?                       | ✔             |
| Is the signature intact?                                      | ✔             |
| <b>Signature Acceptance Validation (SAV) :</b>                | <b>PASSED</b> |
| Are signature cryptographic constraints met?                  | ✔             |
| <b>X509 Certificate Validation (XCV) :</b>                    | <b>PASSED</b> |
| Can the certificate chain be built till the trust anchor?     | ✔             |
| Is the certificate validation concluant ?                     | ✔             |
| <b>Trust Anchor</b>   | <b>PASSED</b> |

### TL analysis EU

|  |               |
|--|---------------|
| Is the trusted list fresh ?                    | ✔             |
| Is the trusted list not expired ?              | ✔             |
| Is the trusted list has the expected version ? | ✔             |
| Is the trusted list well signed ?              | ✔             |
| Conclusion :                                   | <b>PASSED</b> |

### TL analysis SK

|  |   |
|--|---|
| Is the trusted list fresh ?                    | ✔ |
| Is the trusted list not expired ?              | ✔ |
| Is the trusted list has the expected version ? | ✔ |

Is the trusted list well signed ?



Conclusion : **PASSED**

**Qualification Signature id-faa883ec7f13858e97f681c88a79b9f2e1145d4d27e69f1f9db4a41aa605c8dc**

Is the signature/seal an acceptable AdES (ETSI EN 319 102-1) ?



Is the certificate path trusted?



Is the trusted list acceptable?



Is the trusted list acceptable?



Are trust services consistent ?



Is the certificate consistent with the trusted list ?



Is the certificate qualified at signing time?



Is the certificate for eSig at signing time?



Is the certificate qualified at issuance time?



Is the signature/seal created by a QSCD?



Conclusion : **INDETERMINATE**