




## Validation Process for Basic Signatures

Is the result of the Basic Validation Process conclusive? Conclusion : **INDETERMINATE - CRYPTO\_CONSTRAINTS\_FAILURE\_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 the revocation data consistent? Is the result of the revocation data validation process acceptable? Is the revocation data consistent? Is an acceptable revocation data present for the certificate? Are signature cryptographic constraints met? Are certificate cryptographic constraints met? Are revocation cryptographic constraints met? Conclusion : **INDETERMINATE - CRYPTO\_CONSTRAINTS\_FAILURE\_NO\_POE**


## Validation Process for Signatures with Archival Data

Is the result of the LTV validation process acceptable? Is the past signature validation conclusive? Conclusion : **INDETERMINATE - CRYPTO\_CONSTRAINTS\_FAILURE\_NO\_POE**

## Signature Qualification : Indeterminate QESig

Is the signature/seal an acceptable AdES digital signature (ETSI EN 319 102-1)? Has a trusted list been reached for the certificate chain? Is the trusted list acceptable? Is the trusted list acceptable? Is the certificate qualified at (best) signing time? Is the certificate for eSig at (best) signing time? Is the certificate qualified at issuance time? Does the private key reside in a QSCD at (best) signing time? 

## Certificate Qualification at certificate issuance time

Is the certificate related to a CA/QC? Is the certificate related to a trust service with a granted status? Is the trust service consistent? Is the certificate related to a consistent trust service declaration? Can the certificate type be issued by a found trust service? Does the trusted certificate match the trust service? Is the certificate qualified at issuance time? 

- Is the certificate for eSig at issuance time?
- Does the private key reside in a QSCD at issuance time?

### Certificate Qualification at best signature time

- Is the certificate related to a CA/QC?
- Is the certificate related to a trust service with a granted status?
- Is the trust service consistent?
- Is the certificate related to a consistent trust service declaration?
- Can the certificate type be issued by a found trust service?
- Does the trusted certificate match the trust service?
- Is the certificate qualified at (best) signing time?
- Is the certificate for eSig at (best) signing time?
- Does the private key reside in a QSCD at (best) signing time?

### Basic Building Blocks

SIGNATURE - S-B34CF3F278A76F342D3998267AFC698BC2B44985C9EE07EC1A177E7CAC03D813

- Does the signature format correspond to an expected format?
- Is the signature identification not ambiguous?
- Is only one SignerInfo present?
- Identification of the Signing Certificate :** **PASSED**
- Is there an identified candidate for the signing certificate?
- Validation Context Initialization :** **PASSED**
- Is the signature policy known?
- X509 Certificate Validation :** **INDETERMINATE**
- Can the certificate chain be built till a trust anchor?
- Is the certificate validation conclusive?
- Certificate :** **INDETERMINATE**
- Is the certificate unique?
- Is a pseudonym used?
- Is certificate not self-signed?
- Is the certificate signature intact?
- Does the signers certificate have an expected key-usage?
- Is the authority info access present?
- Is the revocation info access present?
- Is the revocation data present for the certificate?
- Is the revocation acceptance check conclusive?
- Is the revocation acceptance check conclusive?
- Is there a satisfying revocation status information?
- Is the revocation freshness check conclusive?
- Revocation Acceptance Validation :** **PASSED**
- Is the revocation data consistent?
- Is revocations signature intact?
- Can the certificate chain be built till a trust anchor?
- Is certificates signature intact?
- Is the revocation data present for the revocation issuer?
- Is the revocation acceptance check conclusive?

Is an acceptable revocation data present for the certificate?	✔
Is there a satisfying revocation status information?	✔
<b>Revocation Acceptance Validation :</b>	<b>INDETERMINATE</b>
Is the revocation data consistent?	✘
<b>Revocation Freshness Checker :</b>	<b>INDETERMINATE</b>
Is an acceptable revocation data present for the certificate?	✔
Is there a Next Update defined for the revocation data?	!
Is the revocation information fresh for the certificate?	IGNORED
Are revocation cryptographic constraints met?	✘
<b>Trust Anchor</b>	<b>PASSED</b>
<b>Cryptographic Verification :</b>	<b>PASSED</b>
Has the reference data object been found?	✔
Is the reference data object intact?	✔
Is the signature intact?	✔
<b>Signature Acceptance Validation :</b>	<b>PASSED</b>
Is the structure of the signature valid?	✔
Is the signed qualifying property: signing-time present?	✔
Is the signed qualifying property: message-digest or SignedProperties present?	✔
Are signature cryptographic constraints met?	✔
<b>Past Signature Validation :</b>	<b>INDETERMINATE</b>
Is the past certificate validation conclusive?	✔
Are signature cryptographic constraints met?	✔
Are certificate cryptographic constraints met?	✔
Are revocation cryptographic constraints met?	✘
<b>Past Certificate Validation :</b>	<b>PASSED</b>
Can the certificate chain be built till a trust anchor?	✔
Is the validation time sliding process conclusive?	✔
Are certificate cryptographic constraints met?	✔
<b>Validation Time Sliding :</b>	<b>PASSED</b>
Is there a satisfying revocation status information?	✔
Is there a POE of the certificate at (or before) control-time?	✔
Is there a POE of the revocation data at (or before) control-time?	✔

### Basic Building Blocks

REVOCATION - R-7886BA663125576BC299FCB9FD69236BDB2E9B3990DE6D45002B8B733D642DA

<b>Identification of the Signing Certificate :</b>	<b>PASSED</b>
Is there an identified candidate for the signing certificate?	✔
<b>X509 Certificate Validation :</b>	<b>PASSED</b>
Can the certificate chain be built till a trust anchor?	✔
Is the certificate validation conclusive?	✔
Is the certificate validation conclusive?	✔
<b>Certificate :</b>	<b>PASSED</b>
Is the certificate signature intact?	✔
Is the revocation data present for the certificate?	✔
Is the revocation acceptance check conclusive?	✔
Is there a satisfying revocation status information?	✔
Is the revocation freshness check conclusive?	✔

Is the certificate not revoked?	✔
Is the certificate on hold?	✔
Are certificate cryptographic constraints met?	✔
Is the current time in the validity range of the signers certificate?	✔
<b>Revocation Acceptance Validation :</b>	<b>PASSED</b>
Is the revocation data consistent?	✔
Is revocations signature intact?	✔
Can the certificate chain be built till a trust anchor?	✔
<b>Revocation Freshness Checker :</b>	<b>PASSED</b>
Is an acceptable revocation data present for the certificate?	✔
Is there a Next Update defined for the revocation data?	✔
Is the revocation information fresh for the certificate?	IGNORED
Are revocation cryptographic constraints met?	✔
<b>Trust Anchor</b>	<b>PASSED</b>
<b>Cryptographic Verification :</b>	<b>PASSED</b>
Is revocations signature intact?	✔
<b>Signature Acceptance Validation :</b>	<b>INDETERMINATE</b>
Are revocation cryptographic constraints met?	✘

### Basic Building Blocks

REVOCATION - R-E32B58149D77868D9AAA8F77DF388627E7404A4D250F5591B6D228C2699536EA

<b>Identification of the Signing Certificate :</b>	<b>PASSED</b>
Is there an identified candidate for the signing certificate?	✔
<b>X509 Certificate Validation :</b>	<b>PASSED</b>
Can the certificate chain be built till a trust anchor?	✔
Is the certificate validation conclusive?	✔
<b>Trust Anchor</b>	<b>PASSED</b>
<b>Cryptographic Verification :</b>	<b>PASSED</b>
Is revocations signature intact?	✔
<b>Signature Acceptance Validation :</b>	<b>PASSED</b>
Are revocation cryptographic constraints met?	✔

### List Of Trusted Lists EU

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

### Trusted List PT

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