



Validation Process for Basic Signatures

Is the result of the Basic Validation Process conclusive? 
Conclusion : **INDETERMINATE - OUT_OF_BOUNDS_NO_POE**


Validation Process for time-stamps

ARCHIVE_TIMESTAMP - A469B81BE367BE303B00343F57AA066A138E8EB2A2893A2A12AB1AF6BA39726F







Is the result of the timestamps validation process conclusive? 
Conclusion : **PASSED**

Validation Process for time-stamps



ARCHIVE_TIMESTAMP - 950D06E9BC8B0CDB73D88349F14D3BC702BF4947752A121A940EE03639C1249D

Is the result of the timestamps validation process conclusive? 
Conclusion : **INDETERMINATE - OUT_OF_BOUNDS_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 result of the revocation data validation process acceptable? 
Is the result of the revocation data validation process acceptable? 
Is the result of the revocation data validation process acceptable? 
Is the best-signature-time after the issuance date of the signing certificate? 
Conclusion : **INDETERMINATE - OUT_OF_BOUNDS_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 - OUT_OF_BOUNDS_NO_POE**

Qualification Signature : Indeterminate AdESig

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? 
Is the certificate qualified at (best) signing time? 
Is the certificate for eSig at (best) signing time? 
Is the certificate qualified at issuance time? 
Is the private key on a QSCD at (best) signing time? 

QC for eSig with QSCD @ 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?	✔
Is the certificate type can be issued by a found trust service(s)?	✔
Is the trusted certificate match the trust service ?	!
Is the certificate qualified at issuance time?	✔
Is the certificate for eSig at issuance time?	✔
Is the private key on a QSCD at issuance time?	✔

Cert for eSig @ BEST_SIGNATURE_TIME

Is the certificate related to a CA/QC?	✔
Is the certificate related to a trust service with a granted status?	✘

Basic Building Blocks

SIGNATURE - id-795d321e327383fe3ff2473c27d3a34e13718d06502da587978b7a5e060511fd

Is the expected format found?	✔
Identification of the signing certificate (ISC) :	PASSED
Is there an identified candidate for the signing certificate?	✔
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 found?	✔
Is the reference data object 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 expected trust service type identifier present ?	✔
Is the expected trust service status present ?	✔
Is the certificate validation concluant ?	✘
Certificate :	INDETERMINATE
Is the certificate unique ?	✔
Is pseudo used ?	✔
Is not self-signed certificate?	✔
Certificate meta-data constraints: Is the signer's certificate qualified?	✔
Certificate meta-data constraints: Is supported by QSCD?	✔
Certificate meta-data constraints: Is issued to a legal person?	INFORMATION
Certificate meta-data constraints: Is issued to a natural person?	INFORMATION
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 current time in the validity range of the signer's certificate?	✘
Revocation Freshness Checker (RFC) :	PASSED
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?	✔
Certificate :	INDETERMINATE
Is the certificate's signature intact?	✔
Are signature cryptographic constraints met?	✔
Is the current time in the validity range of the signer's certificate?	✘
Revocation Freshness Checker (RFC) :	PASSED
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?	✔
Trust Anchor	PASSED
Past Signature Validation (PSV) :	INDETERMINATE
Is past certificate validation acceptable?	✔
Is the best-signature-time after the issuance date of the signing certificate?	✔
Is the signing certificate not valid at the best-signature-time?	✘
Past Certificate Validation (PCV) :	INDETERMINATE
Can the certificate chain be built till the trust anchor?	✔
Is the certificate's signature intact?	✔
Is the certificate's signature intact?	✔
Is the certificate's signature intact?	✔
Is validation time sliding conclusive?	✔
Are signature cryptographic constraints met?	✔
Are signature cryptographic constraints met?	✔
Are signature cryptographic constraints met?	✘
Validation Time Sliding (VTS) :	PASSED
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?	✔
Are signature cryptographic constraints met?	✔
Are signature cryptographic constraints met?	✔
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?	✔
Are signature cryptographic constraints met?	✔
Are signature cryptographic constraints met?	✔

Basic Building Blocks
 ARCHIVE_TIMESTAMP - A469B81BE367BE303B00343F57AA066A138E8EB2A2893A2A12AB1AF6BA39726F

















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

Is there an identified candidate for the signing certificate?	✔
Cryptographic Verification (CV) :	PASSED
Is the reference data object found?	✔
Is the reference data object intact?	✔
Is the signature intact?	✔
Signature Acceptance Validation (SAV) :	PASSED
Are signature cryptographic constraints met?	✔
X509 Certificate Validation (XCV) :	PASSED
Can the certificate chain be built till the trust anchor?	✔
Is the expected trust service type identifier present ?	✔
Is the expected trust service status present ?	✔
Is the certificate validation concluant ?	✔
Is the certificate validation concluant ?	✔
Certificate :	PASSED
Is not self-signed certificate?	✔
Is the certificate's signature intact?	✔
Are signature cryptographic constraints met?	✔
Is the current time in the validity range of the signer's certificate?	✔
Is the certificate not revoked?	✔
Is the certificate on hold?	✔
Is the revocation freshness check concluant ?	✔
Revocation Freshness Checker (RFC) :	PASSED
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?	✔
Trust Anchor	PASSED








Basic Building Blocks

ARCHIVE_TIMESTAMP - 950D06E9BC8B0CDB73D88349F14D3BC702BF4947752A121A940EE03639C1249D





Identification of the signing certificate (ISC) :	PASSED
Is there an identified candidate for the signing certificate?	✔
Cryptographic Verification (CV) :	PASSED
Is the reference data object found?	✔
Is the reference data object intact?	✔
Is the signature intact?	✔
Signature Acceptance Validation (SAV) :	PASSED
Are signature cryptographic constraints met?	✔
X509 Certificate Validation (XCV) :	INDETERMINATE
Can the certificate chain be built till the trust anchor?	✔
Is the expected trust service type identifier present ?	✔
Is the expected trust service status present ?	✔
Is the certificate validation concluant ?	✘
Certificate :	INDETERMINATE
Is not self-signed certificate?	✔
Is the certificate's signature intact?	✔
Are signature cryptographic constraints met?	✔

Is the current time in the validity range of the signer's certificate?	
Revocation Freshness Checker (RFC) :	PASSED
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?	
Trust Anchor	PASSED
Past Signature Validation (PSV) :	INDETERMINATE
Is past certificate validation acceptable?	
No POE, what is the current time validation?	
Past Certificate Validation (PCV) :	PASSED
Can the certificate chain be built till the trust anchor?	
Is the certificate's signature intact?	
Is validation time sliding conclusive?	
Are signature cryptographic constraints met?	
Validation Time Sliding (VTS) :	PASSED
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?	
Are signature cryptographic constraints met?	
Are signature cryptographic constraints met?	

Basic Building Blocks
 REVOCATION -
 5e1a5ed41ae1d0bd71d03056ceda2b35976a6f5d272e6c6595990dcc586da7031a629a33e8e6880b4a4422f1b52e5f8270984c4b8c6a5a3eb8f77c

Identification of the signing certificate (ISC) :	PASSED
Is there an identified candidate for the signing certificate?	
Cryptographic Verification (CV) :	PASSED
Is the signature intact?	
Signature Acceptance Validation (SAV) :	PASSED
Are signature cryptographic constraints met?	
X509 Certificate Validation (XCV) :	PASSED
Can the certificate chain be built till the trust anchor?	
Is the expected trust service type identifier present ?	
Is the expected trust service status present ?	
Is the certificate validation concluant ?	
Trust Anchor	PASSED

Basic Building Blocks
 REVOCATION -
 e07f11472bc72bb04a6e3c012dfc838cd323d130bdb3f0e5b1e9558de1b723d0deaa5ee0c0f35ec13292a79f2ed0fce2f0b14994838c52768adac2b

Identification of the signing certificate (ISC) :	PASSED
Is there an identified candidate for the signing certificate?	
Cryptographic Verification (CV) :	PASSED
Is the signature intact?	
Signature Acceptance Validation (SAV) :	PASSED
Are signature cryptographic constraints met?	
X509 Certificate Validation (XCV) :	INDETERMINATE
Can the certificate chain be built till the trust anchor?	

Is the expected trust service type identifier present ?	✔
Is the expected trust service status present ?	✔
Is the certificate validation concluant ?	✘
Certificate :	INDETERMINATE
Is the certificate's signature intact?	✔
Are signature cryptographic constraints met?	✔
Is the current time in the validity range of the signer's certificate?	✘
Revocation Freshness Checker (RFC) :	PASSED
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?	✔
Trust Anchor	PASSED

Basic Building Blocks

REVOCATION -

1a07376222bf46318884ea94953003ecf8e35635c373305c973c1b39169202f013951d706f0812fcc1b09200fef43f07d038a6b1bad18a1fd08f9b8b7

Identification of the signing certificate (ISC) :	PASSED
Is there an identified candidate for the signing certificate?	✔
Cryptographic Verification (CV) :	PASSED
Is the signature intact?	✔
Signature Acceptance Validation (SAV) :	PASSED
Are signature cryptographic constraints met?	✔
X509 Certificate Validation (XCV) :	PASSED
Can the certificate chain be built till the trust anchor?	✔
Is the expected trust service type identifier present ?	✔
Is the expected trust service status present ?	✔
Is the certificate validation concluant ?	✔
Trust Anchor	PASSED

Basic Building Blocks




REVOCATION -

cff2e3b95d7ebf7d89b1d586102d09632ce5e39bfa31115c3c9577461dd856ada20435646691a80570e841cb99e9921d3fb72dd3aae537db3e99d5





Identification of the signing certificate (ISC) :	PASSED
Is there an identified candidate for the signing certificate?	✔
Cryptographic Verification (CV) :	PASSED
Is the signature intact?	✔
Signature Acceptance Validation (SAV) :	PASSED
Are signature cryptographic constraints met?	✔
X509 Certificate Validation (XCV) :	PASSED
Can the certificate chain be built till the trust anchor?	✔
Is the expected trust service type identifier present ?	✔
Is the expected trust service status present ?	✔
Is the certificate validation concluant ?	✔
Trust Anchor	PASSED

TL analysis EC





Is the trusted list fresh ?	!
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- Is the trusted list not expired ? 
 - Is the trusted list has the expected version ? 
 - Is the trusted list well signed ? 
- Conclusion : **PASSED**





TL analysis BE

- 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**

TL analysis FR

- 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**

TL analysis EC

- 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**