

Signature SIGNATURE\_NBCN\_20250501-1120

INDETERMINATE - NO\_CERTIFICATE\_CHAIN\_FOUND

Validation Process for Basic Signatures (Best-signature-time : 2025-05-01 11:20:59 (UTC))

- Is the result of the 'Format Checking' building block conclusive?
- Is the result of the 'Identification of Signing Certificate' building block conclusive?
- Is the result of the 'Validation Context Initialization' building block conclusive?
- Is the result of the 'X.509 Certificate Validation' building block conclusive?

The result of the 'X.509 Certificate Validation' building block is not conclusive!

- Is the signing certificate not revoked at validation time?
- Is the validation time in the validity range of the signing certificate?
- Is the result of the 'Cryptographic Verification' building block conclusive?
- Is the result of the Basic Validation Process conclusive?

The result of the Basic validation process is not conclusive!

Basic Signature Validation process failed with INDETERMINATE/NO\_CERTIFICATE\_CHAIN\_FOUND indication

Signature Qualification

N/A

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

The signature/seal is an INDETERMINATE AdES digital signature!

- Has a trusted list been reached for the certificate chain?

Unable to build a certificate chain up to a trusted list!

Signature SIGNATURE\_hxVTfRInys19Xge4uC1EY3GTwQ4\_20250501-1120

INDETERMINATE - NO\_CERTIFICATE\_CHAIN\_FOUND

Validation Process for Basic Signatures (Best-signature-time : 2025-05-01 11:20:59 (UTC))

- Is the result of the 'Format Checking' building block conclusive?
- Is the result of the 'Identification of Signing Certificate' building block conclusive?
- Is the result of the 'Validation Context Initialization' building block conclusive?
- Is the result of the 'X.509 Certificate Validation' building block conclusive?

The result of the 'X.509 Certificate Validation' building block is not conclusive!

- Is the signing certificate not revoked at validation time?
- Is the validation time in the validity range of the signing certificate?
- Is the result of the 'Cryptographic Verification' building block conclusive?
- Is the result of the Basic Validation Process conclusive?

The result of the Basic validation process is not conclusive!

Basic Signature Validation process failed with INDETERMINATE/NO\_CERTIFICATE\_CHAIN\_FOUND indication

Signature Qualification

N/A

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

The signature/seal is an INDETERMINATE AdES digital signature!

- Has a trusted list been reached for the certificate chain?

Unable to build a certificate chain up to a trusted list!

Signature SIGNATURE\_NBCN\_20250501-1120\_2

INDETERMINATE - NO\_CERTIFICATE\_CHAIN\_FOUND

Validation Process for Basic Signatures (Best-signature-time : 2025-05-01 11:20:59 (UTC))

- Is the result of the 'Format Checking' building block conclusive?
- Is the result of the 'Identification of Signing Certificate' building block conclusive?
- Is the result of the 'Validation Context Initialization' building block conclusive?
- Is the result of the 'X.509 Certificate Validation' building block conclusive?

The result of the 'X.509 Certificate Validation' building block is not conclusive!

- Is the signing certificate not revoked at validation time?
- Is the validation time in the validity range of the signing certificate?
- Is the result of the 'Cryptographic Verification' building block conclusive?
- Is the result of the Basic Validation Process conclusive?

The result of the Basic validation process is not conclusive!

Basic Signature Validation process failed with INDETERMINATE/NO\_CERTIFICATE\_CHAIN\_FOUND indication

Signature Qualification

N/A

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

The signature/seal is an INDETERMINATE AdES digital signature!

- Has a trusted list been reached for the certificate chain?

Unable to build a certificate chain up to a trusted list!

Basic Building Blocks

SIGNATURE - SIGNATURE\_hxVTfRInys19Xge4uC1EY3GTwQ4\_20250501-1120

Format Checking :

PASSED

- Does the signature format correspond to an expected format?
- Is the signature identification not ambiguous?
- Is the signed references identification not ambiguous?
- Does the container type correspond to an expected type?
- Is the mimetype file present?

- Does the mimetype file content correspond to an expected value? ✔
- Is the manifest file present (ASiC-E)? ✔
- Are original data files present (outside META-INF folder)? ✔
- Are all files signed? ✔

**Identification of the Signing Certificate :** **PASSED**

- Is there an identified candidate for the signing certificate? ✔
- Is the signed attribute: 'cert-digest' of the certificate present? ✔
- Does the certificate digest value match a digest value found in the certificate reference(s)? ✔
- Are the issuer distinguished name and the serial number equal? ✔

**Validation Context Initialization :** **PASSED**

- Is the signature policy known? ✔

**X509 Certificate Validation :** **INDETERMINATE - NO\_CERTIFICATE\_CHAIN\_FOUND**

- Can the certificate chain be built till a trust anchor? ✘
- The certificate chain for signature is not trusted, it does not contain a trust anchor.

**Cryptographic Verification :** **PASSED**

- Has the reference data object been found? ✔  
Reference : C30855ECD3D971D0
- Is the reference data object intact? ✔  
Reference : C30855ECD3D971D0
- Does the reference name match the name of the document? ✔  
Reference URI : META-INF/signatures0.xml, Document name : META-INF/signatures0.xml
- Has the reference data object been found? ✔  
Reference : I7D971B08F8B3C94C
- Is the reference data object intact? ✔  
Reference : I7D971B08F8B3C94C
- Does the reference name match the name of the document? ✔  
Reference URI : Account\_Terms\_And\_Conditions.pdf, Document name : Account\_Terms\_And\_Conditions.pdf
- Has the reference data object been found? ✔  
Reference : #I55B1761C5E162BFA-SignedProperties
- Is the reference data object intact? ✔  
Reference : #I55B1761C5E162BFA-SignedProperties
- Is the signature intact? ✔

**Signature Acceptance Validation :** **PASSED**

- Is the structure of the signature valid? ✔
- Is the signed attribute: 'signing-certificate' present? ✔
- Is the signed attribute: 'signing-certificate' present only once? ✔
- Does the 'Signing Certificate' attribute contain references only to the certificate chain? ✔
- Is the signed qualifying property: 'signing-time' present? ✔
- Is the signed qualifying property: 'message-digest' or 'SignedProperties' present? ✔
- Are cryptographic constraints met for the signature creation? ✔  
Signature algorithm ECDSA with SHA256 with key size 256 at validation time : 2025-05-01 11:20
- Are cryptographic constraints met for the counter signature? ✔  
Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for counter signature with name : C30855ECD3D971D0
- Are cryptographic constraints met for the object reference? ✔  
Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for object reference with name : I7D971B08F8B3C94C
- Are cryptographic constraints met for the signed properties? ✔  
Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for signed properties with name : #I55B1761C5E162BFA-SignedProperties
- Are cryptographic constraints met for the signing-certificate reference? ✔  
Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for signing-certificate reference with Id : CERTIFICATE\_hxVtFRInys19Xge4uC1EY3GTWQ4\_20250418-1038

**Basic Building Blocks**  
**SIGNATURE - SIGNATURE\_NBCN\_20250501-1120\_2**

**Format Checking :** **PASSED**


- Does the signature format correspond to an expected format? ✔
  - Is the signature identification not ambiguous? ✔
  - Is the signed references identification not ambiguous? ✔
  - Does the container type correspond to an expected type? ✔
  - Is the mimetype file present? ✔
  - Does the mimetype file content correspond to an expected value? ✔
  - Is the manifest file present (ASiC-E)? ✔
  - Are original data files present (outside META-INF folder)? ✔
  - Are all files signed? !
- Not all files are signed!

**Identification of the Signing Certificate :** **PASSED**

- Is there an identified candidate for the signing certificate? ✔
- Is the signed attribute: 'cert-digest' of the certificate present? ✔
- Does the certificate digest value match a digest value found in the certificate reference(s)? ✔
- Are the issuer distinguished name and the serial number equal? ✔

**Validation Context Initialization :**

**PASSED**

Is the signature policy known? 

**X509 Certificate Validation :**

**INDETERMINATE - NO\_CERTIFICATE\_CHAIN\_FOUND**

Can the certificate chain be built till a trust anchor?


 The certificate chain for signature is not trusted, it does not contain a trust anchor.

**Cryptographic Verification :**


**PASSED**

Has the reference data object been found? 


Reference : I4DBBC1C13798C58B

Is the reference data object intact? 


Reference : I4DBBC1C13798C58B

Does the reference name match the name of the document? 


Reference URI : META-INF/signatures1.xml, Document name : META-INF/signatures1.xml

Has the reference data object been found? 

Reference : #I41819B2B040CA2D8-SignedProperties


Is the reference data object intact? 


Reference : #I41819B2B040CA2D8-SignedProperties


Is the signature intact? 


**Signature Acceptance Validation :**


**PASSED**


Is the structure of the signature valid? 


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

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


Does the 'Signing Certificate' attribute contain references only to the certificate chain? 

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


Is the signed qualifying property: 'message-digest' or 'SignedProperties' present? 

Are cryptographic constraints met for the signature creation? 


Signature algorithm ECDSA with SHA256 with key size 256 at validation time : 2025-05-01 11:20

Are cryptographic constraints met for the counter signature? 

Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for counter signature with name : I4DBBC1C13798C58B

Are cryptographic constraints met for the signed properties? 

Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for signed properties with name : #I41819B2B040CA2D8-SignedProperties

Are cryptographic constraints met for the signing-certificate reference? 

Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for signing-certificate reference with Id : CERTIFICATE\_NBCN\_20220802-1001

**Basic Building Blocks**

**SIGNATURE - SIGNATURE\_NBCN\_20250501-1120**

**Format Checking :**


**PASSED**

Does the signature format correspond to an expected format? 


Is the signature identification not ambiguous? 


Is the signed references identification not ambiguous? 


Does the container type correspond to an expected type? 

Is the mimetype file present? 

Does the mimetype file content correspond to an expected value? 


Is the manifest file present (ASiC-E)? 


Are original data files present (outside META-INF folder)? 


Are all files signed? 

**Identification of the Signing Certificate :**

**PASSED**

Is there an identified candidate for the signing certificate? 

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

Does the certificate digest value match a digest value found in the certificate reference(s)? 

Are the issuer distinguished name and the serial number equal? 

**Validation Context Initialization :**

**PASSED**

Is the signature policy known? 

**X509 Certificate Validation :**

**INDETERMINATE - NO\_CERTIFICATE\_CHAIN\_FOUND**

Can the certificate chain be built till a trust anchor?


 The certificate chain for signature is not trusted, it does not contain a trust anchor.

**Cryptographic Verification :**

**PASSED**

Has the reference data object been found? 

Reference : B4432F80C97DB940

Is the reference data object intact? 


Reference : B4432F80C97DB940

Does the reference name match the name of the document? 

Reference URI : Account\_Terms\_And\_Conditions.pdf, Document name : Account\_Terms\_And\_Conditions.pdf

Has the reference data object been found? 

Reference : I4DA3EB86AEFA4751

Is the reference data object intact? 

Reference : I4DA3EB86AEFA4751

Has the reference data object been found?

Reference : E572BAFAA422C5FE



Is the reference data object intact?

Reference : E572BAFAA422C5FE



Has the reference data object been found?

Reference : #C5ED4233093412E8-SignedProperties



Is the reference data object intact?

Reference : #C5ED4233093412E8-SignedProperties



Is the signature intact?



### Signature Acceptance Validation :

**PASSED**

Is the structure of the signature valid?



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



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



Does the 'Signing Certificate' attribute contain references only to the certificate chain?



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



Is the signed qualifying property: 'message-digest' or 'SignedProperties' present?



Are cryptographic constraints met for the signature creation?

Signature algorithm ECDSA with SHA256 with key size 256 at validation time : 2025-05-01 11:20



Are cryptographic constraints met for the object references?

Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for object references with names : B4432F80C97DB940, I4DA3EB86AEFA4751, E572BAFAA422C5FE



Are cryptographic constraints met for the signed properties?

Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for signed properties with name : #C5ED4233093412E8-SignedProperties



Are cryptographic constraints met for the signing-certificate reference?

Digest algorithm SHA256 at validation time : 2025-05-01 11:20 for signing-certificate reference with Id : CERTIFICATE\_NBCN\_20220802-1001

