Electronic Signature Certificate Profiles

by ANF AC

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1. Introduction

1.1. Overview

This document presents the profiles of the different types of qualified electronic signature certificates issued by the ANF Certification Authority:

Natural Person Certificates
Representation Certificates
or Certificates of Legal Representative of Legal Person
or Certificates of Legal Representative for sole and joint Administrators
or Certificates of Legal Representative of Entity without Legal Personality
Public Employee Certificates

The Certification Policies associated with these certificates are published and accessible on the ANF AC website: https://www.anf.es/repositorio-legal/

For the preparation of these profiles, the following provisions have been taken into account:

Regulation (EU) 910/2014 of the European Parliament and of the Council of July 23, 2014, regarding electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93 / EC (eIDAS Regulation).
ETSI EN 319 412 Electronic Signatures and Infrastructures (ESI); Certificate Profiles (all 5 parts)
IETF RFC 3739. Internet X.509 Public Key Infrastructure. Qualified Certificates Profile
Signature and Certificate Policy of the General State Administration :. Annex 2: Electronic certificate profiles

1.2. Document name and identification

Document name	ANF AC Electronic Signature Certificate Profiles		
Version	1.1		
OID	1.3.6.1.4.1.18332.3.1.1		
Approval date	07/01/2020	**Publication date**	07/01/2020

1.2.1. Reviews

Version	Changes	Approval	Publication
1.0.	Unification of documents "Class 2 Certificates of Natural Person Technical Profile" OID 1.3.6.1.4.1.18332.3.4.1.2 "Certificates of Legal Representative of Legal Persons Technical Profile" OID 1.3.6.1.4.1.18332.2.5.3 "Certificates of Legal Representative of Sole and Solidarity Administrators. Technical Profile "OID 1.3.6.1.4.1.18332.2.5.2 "Certificates of Legal Representative of Entity without Legal Personality. Technical Profile "OID 1.3.6.1.4.1.18332.2.5.4 "Certificates of Public Employee Technical Profile" OID 1.3.6.1.4.1.18332.4.1.2	01/18/2020	01/18/2020

1.1.	Introduction of proprietary OIDs in the Subject Alternative Nave extension	07/01/2020	07/01/2020

2. Class 2 Certificate of Natural Person

2.1. Subject

Field	Description
Common Name (CN)	Name and surname of the signer.
Given name (G)	Name of the signer as it appears on the identity document.
Surname	Surname of the signer as it appears on the identity document.
Email (E)	Signatory's email.
Country (C)	Two-digit country code according to ISO
Locality Name (L)	3166-1. Signatory's city.
State or Province (S)	Region, autonomous community or province of the signatory.
Organizational Unit (OU)	Class 2 Natural Person Certificate (SIGNATURE)
SerialNumber (SERIALNUMBER)	NIF, NIE or passport number of the signer encoded according to ETSI EN 319 412-1

2.2. Extensions

Extension	Description
Certificate Policies	ANF AC Certification Policy OID corresponding to the certificate: 1.3.6.1.4.1.18332.3.4.1.2.22 (Software) 1.3.6.1.4.1.18332.3.4.1.4.22 (QSCD) 1.3.6.1.4.1.18332.3.4.1.5.22 (Centralized) European Certification Policies OID (non-concurrency): 0.4.0.194112.1.0 (QCP-n) 0.4.0.194112.1.2 (QCP-n-qscd)
Basic Constraints	CA: FALSE
Key Usage	Digital Signature Content Commitment
Extended Key Usage	clientAuth emailProtection
Subject Alternative Name	(Optional) RFC822: signer's email 1.3.6.1.4.1.18332.10.1 First name of the signer as it appears on the identity document. 1.3.6.1.4.1.18332.10.2 First surname of the signer as it appears on the identity document. 1.3.6.1.4.1.18332.10.3 Second surname of the signer as it appears on the identity document (may not be present). 1.3.6.1.4.1.18332.10.4 DNI / NIE of the signer
Subject Key Identifier	Public key ID of the certificate obtained from the hash
Authority Key Identifier	Public key ID of the CA certificate obtained from the hash

CRL Distribution Points	CRL URI
Authority Information Access	OCSP - URI CA Issuers -
QCStatement	Minimum URI: QcCompliance: 0.4.0.1862.1.1 QcType: 0.4.0.1862.1.6.1

3. Certificates of Legal Representative of Legal Person

3.1. Subject

Field	Description
Common Name (CN)	Name and surname of the signer.
Given name (G)	Name of the signer as it appears on the identity document.
Surname	Surname of the signer as it appears on the identity document.
Email (E)	Signatory's email.
Country (C)	Two-digit country code according to ISO
Locality Name (L)	3166-1. Signatory's city.
State or Province (S)	Region, autonomous community or province of the
Organization name (O)	signatory. Name of the legal person over which the signer has sufficient powers of representation.
Organizational Unit (OU)	Certificate of Legal Representative of Legal Person (SIGNATURE)
Title (T)	Position or position of the signer in the organization.
Organization identifier (OI)	NIF, as it appears in the official registers, coded according to ETSI EN 319 412-1 (Ex: VATES-B00000000)
SerialNumber (SERIALNUMBER)	NIF, NIE or passport number of the signer.

3.2. Extensions

Extension	Description
Certificate Policies	ANF AC Certification Policy OID corresponding to the certificate: 1.3.6.1.4.1.18332.2.5.1.3 (Software) 1.3.6.1.4.1.18332.2.5.1.10 (QSCD) 1.3.6.1.4.1.18332.2.5.1.14 (Centralized) European Certification Policies OID (non-concurrency): 0.4.0.194112.1.0 (QCP-n) 0.4.0.194112.1.2 (QCP-n-qscd)
Basic Constraints	CA: FALSE
Key Usage	Digital Signature Content Commitment
Extended Key Usage	clientAuth emailProtection
Subject Alternative Name	(Optional) RFC822: signer's email 1.3.6.1.4.1.18332.10.1 First name of the signer as it appears on the identity document. 1.3.6.1.4.1.18332.10.2 First surname of the signer as it appears on the identity document. 1.3.6.1.4.1.18332.10.3 Second surname of the signer as it appears on the identity document (may not be present). 1.3.6.1.4.1.18332.10.4 DNI / NIE of the signer

Subject Key Identifier	Public key ID of the certificate obtained from the hash
Authority Key Identifier	Public key ID of the CA certificate obtained from the hash URI
CRL Distribution Points	of the CRL
Authority Information Access	OCSP - URI: CA Issuers - URI:
QCStatement	Minimum: QcCompliance: 0.4.0.1862.1.1 QcType: 0.4.0.1862.1.6.1

4. Certificate of Legal Representative for sole administrators and solidarity

4.1. Subject

Field	Description
Common Name (CN)	Name and surname of the signer.
Given name (G)	Name of the signer as it appears on the identity document.
Surname	Surname of the signer as it appears on the identity document.
Email (E)	Signatory's email.
Country (C)	Two-digit country code according to ISO
Locality Name (L)	3166-1. Signatory's city.
State or Province (S)	Region, autonomous community or province of the
Organization name (O)	signatory. Name of the legal person over which the signer has sufficient powers of representation.
Organizational Unit (OU)	Certificate of Legal Representative for sole and joint administrators (SIGNATURE)
Title (T)	Position or position of the signer in the organization.
Organization identifier (OI)	NIF, as it appears in the official registers, coded according to ETSI EN 319 412-1 (Ex: VATES- B00000000)
SerialNumber (SERIALNUMBER)	NIF, NIE or passport number of the signer.

4.2. Extensions

Extension	Description
Certificate Policies	ANF AC Certification Policy OID corresponding to the certificate: 1.3.6.1.4.1.18332.2.5.1.9 (Software) 1.3.6.1.4.1.18332.2.5.1.12 (QSCD) 1.3.6.1.4.1.18332.2.5.1.13 (Centralized) European Certification Policies OID (non-concurrency): 0.4.0.194112.1.0 (QCP-n) 0.4.0.194112.1.2 (QCP-n-qscd)
Basic Constraints	CA: FALSE
Key Usage	Digital Signature Content Commitment
Extended Key Usage	clientAuth emailProtection
Subject Alternative Name	(Optional) RFC822: signer's email 1.3.6.1.4.1.18332.10.1 First name of the signer as it appears on the identity document.

	1.3.6.1.4.1.18332.10.2 First surname of the signer as it appears on the identity document. 1.3.6.1.4.1.18332.10.3 Second surname of the signer as it appears on the identity document (may not be present). 1.3.6.1.4.1.18332.10.4 DNI / NIE of the signer
Subject Key Identifier	Public key ID of the certificate obtained from the hash
Authority Key Identifier	Public key ID of the CA certificate obtained from the hash URI
CRL Distribution Points	of the CRL
Authority Information Access	OCSP - URI: CA Issuers - URI:
QCStatement	Minimum: QcCompliance: 0.4.0.1862.1.1 QcType: 0.4.0.1862.1.6.1

5. Certificate of Legal Representative of Entity without Legal Personality

5.1. Subject

Field	Description
Common Name (CN)	Name and surname of the signer.
Given name (G)	Name of the signer as it appears on the identity document.
Surname	Surname of the signer as it appears on the identity document.
Email (E)	Signatory's email.
Country (C)	Two-digit country code according to ISO
Locality Name (L)	3166-1. Signatory's city.
State or Province (S)	Region, autonomous community or province of the signatory.
Organization name (O)	Name of the entity without legal personality over which the signer has sufficient powers of representation. Certificate of Legal
Organizational Unit (OU)	Representative of Entity without legal personality (SIGNATURE)
Title (T)	Position or position of the signer in the organization.
Organization identifier (OI)	NIF, as it appears in the official registers, coded according to ETSI EN 319 412-1 (Ex: VATES- B00000000)
SerialNumber (SERIALNUMBER)	NIF, NIE or passport number of the signer.

5.2. Extensions

Extension	Description
Certificate Policies	AN F AC Certification Policy OID corresponding to the certificate: 1.3.6.1.4.1.18332.2.5.1.6 (Software) 1.3.6.1.4.1.18332.2.5.1.11 (QSCD) 1.3.6.1.4.1.18332.2.5.1.15 (Centralized) European Certification Policies OID (non-concurrency): 0.4.0.194112.1.0 (QCP-n) 0.4.0.194112.1.2 (QCP-n-qscd)
Basic Constraints	CA: FALSE
Key Usage	Digital Signature Content Commitment
Extended Key Usage	clientAuth emailProtection
Subject Alternative Name	(Optional) RFC822: signer's email 1.3.6.1.4.1.18332.10.1 First name of the signer as it appears on the identity document. 1.3.6.1.4.1.18332.10.2 First surname of the signer as it appears on the identity document.

	1.3.6.1.4.1.18332.10.3 Second surname of the signer as it appears on the identity document (may not be present). 1.3.6.1.4.1.18332.10.4 DNI / NIE of the signer
Subject Key Identifier	Public key ID of the certificate obtained from the hash
Authority Key Identifier	Public key ID of the CA certificate obtained from the hash URI
CRL Distribution Points	of the CRL
Authority Information Access	OCSP - URI: CA Issuers - URI:
QCStatement	Minimum: QcCompliance: 0.4.0.1862.1.1 QcType: 0.4.0.1862.1.6.1

6. Public Employee Certificate

6.1. Subject

Field	Description
Common Name (CN)	Name and surname of the signer. + "- DNI" + NIF of the public employee
Given name (G)	Name of the signer as it appears on the identity document.
Surname	Surname of the signer as it appears on the identity document. + "- DNI" + NIF of the public employee. E-
Email (E)	mail of the signer.
Country (C)	Two-digit country code according to ISO
Locality Name (L)	3166-1. Signatory's city.
State or Province (S)	Region, autonomous community or province of the signatory.
Organization name (O)	Name of the Administration, body or entity of public law to which the employee is linked. Public Employee Certificate
Organizational Unit (OU)	(SIGNATURE)
Title (T)	Position or position of the signer that links him with the Administration, body or entity of public law.
SerialNumber (SERIALNUMBER)	NIF, NIE or passport number of the signer.

6.2. Extensions

Extension	Description
Certificate Policies	ANF AC Certification Policy OID corresponding to the certificate: 1.3.6.1.4.1.18332.4.1.1.22 (High level authentication) 1.3.6.1.4.1.18332.4.1.4.22 (High level encryption) 1.3.6.1.4.1.18332.4.1.3.22 (High level signature) 1.3.6.1.4.1.18332.4.1.2.22 (Medium level) European Certification Policies OID (non-concurrency): 0.4.0.194112.1.0 (QCP-n) 0.4.0.194112.1.2 (QCP-n-qscd)
Basic Constraints	CA: FALSE
Key Usage	Digital Signature Content Commitment
Extended Key Usage	clientAuth emailProtection
Subject Alternative Name	(Optional) RFC822: signer's email 1.3.6.1.4.1.18332.10.1 First name of the signer as it appears on the identity document. 1.3.6.1.4.1.18332.10.2 First surname of the signer as it appears on the identity document.

	1.3.6.1.4.1.18332.10.3 Second surname of the signer as it appears on the identity document (may not be present). 1.3.6.1.4.1.18332.10.4 DNI / NIE of the signer
Subject Key Identifier	Public key ID of the certificate obtained from the hash
Authority Key Identifier	Public key ID of the CA certificate obtained from the hash URI
CRL Distribution Points	of the CRL
Authority Information Access	OCSP - URI: CA Issuers - URI:
QCStatement	Minimum: QcCompliance: 0.4.0.1862.1.1 QcType: 0.4.0.1862.1.6.1