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The Banco de España's Public Key Infrastructure

Certificate Policy for Provisional Personal Certificates

OVERVIEW This document sets out the Certificate Policy (CP) governing the provisional personal certificates issued by the Corporate Certification Authority of the Banco de España's Public Key Infrastructure (PKI).

Control Sheet

Title	Certificate Policy for Provisional Personal Certificates
Author	General Secretariat Legal Department Information Systems Department
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Change Log

Version	Date	Reason for the change
1.0	5.04.2006	Initial Version
1.1	25.10.2006	Changes in provisional certificate profiles Elimination of Suspension Process
1.2	25.05.2010	Review following introduction of electronic dating services Renaming of the Policy Approval Authority to Policy Management Authority
1.3	07.07.2011	Deletion of attribute QcSSCD from extension qcStatements in the provisional signature certificate

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1 Introduction

1.1 Overview

This document sets out the Certificate Policy (CP) governing the provisional personal authentication and signature certificates issued by the Corporate Certification Authority of the Public Key Infrastructure (hereinafter, PKI) of the Banco de España (hereinafter, PKIBDE).

Provisional certificates are issued for a brief period and only to subscribers of personal certificates issued by PKIBDE.

The provisional signature certificates regulated under this policy have the status of recognised signatures under applicable European and Spanish legislation:

- European Parliament and Council Directive 1999/93/EC of 13 December 1999 on a Community Framework for Electronic Signatures (OJ, 19 January 2000).
- Spanish Law 59/2003, of 19 December, the Electronic Signature Act (Spanish Official Gazette, 20 December).

Furthermore, they comply with the recognised electronic signature standards, specifically:

- ETSI TS 101 862: Qualified Certificate Profile.
- RFC 3739 Internet X.509 Public Key Infrastructure: Qualified Certificates Profile

From the perspective of the X.509 v3 standard, a CP is a set of rules that define the applicability or use of a certificate within a community of users, systems or specific class of applications that have a series of security requirements in common.

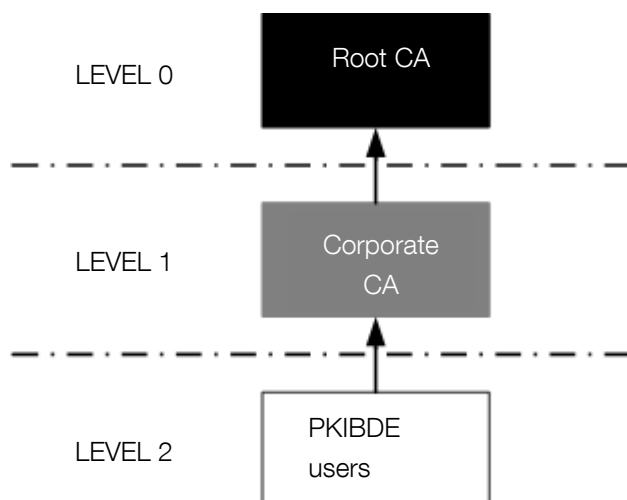
This CP details and completes the "Certification Practice Statement" (CPS) of the Banco de España's PKI (PKIBDE), containing the rules to which the use of the certificates defined in this policy are subject, as well as the scope of application and the technical characteristics of this type of certificate.

This CP, with the exception of section 9, which contains a slight variation, has been structured in accordance with the guidelines of the PKIX work group in the IETF (Internet Engineering Task Force) in its reference document RFC 3647 (approved in November 2003) "Internet X.509 Public Key Infrastructure Certificate Policy and Certification Practices Framework". In order to give the document a uniform structure and facilitate its reading and analysis, all the sections established in RFC 3647 have been included. Where nothing has been established for any section the phrase "No stipulation" will appear. Additionally, apart from the headings established in RFC 3647, a new chapter has been included that deals with personal data protection in order to comply with Spanish legislation on this matter.

The CP includes all the activities for managing provisional authentication and signature certificates throughout their life cycle, and serves as a guide for the relations between Corporate CA and its users. Consequently, all the parties involved must be aware of the content of the CP and adapt their activities to the stipulations therein.

This CP assumes that the reader is conversant with the PKI, certificate and electronic signature concepts. If not, readers are recommended to obtain information on the aforementioned concepts before they continue reading this document.

The general architecture, in hierarchic terms, of the Banco de España's PKI is as follows:



1.2 Document Name and Identification

Document name	Certificate Policy (CP) for Provisional Personal Certificates
Document version	1.2
Document status	Approved
Date of issue	25.05.2010
OID (Object Identifier)	1.3.6.1.4.1.19484.2.2.10.1.2
CPS location	http://pki.bde.es/politicas
Related CPS	Certification Practice Statement of the Banco de España's PKI OID 1.3.6.1.4.19484.2.2.1

1.3 PKI Participants

The participating entities and persons are:

- The Banco de España, as owner of PKIBDE.
- The Policy Management Authority.
- The Certification Authorities.
- The Registration Authorities.
- The Validation Authorities.
- The Keys Archive.
- The Applicants and Subscribers of the certificates issued by PKIBDE.
- The Relying Parties of the certificates issued by PKIBDE.

1.3.1 Policy Management Authority

The Policy Management Authority is defined in accordance with the PKIBDE Certification Practice Statement.

1.3.2 Certification Authorities

The Certification Authorities are defined in accordance with the PKIBDE Certification Practice Statement.

The Certification Authorities that make up PKIBDE are:

- **Root CA:** First-level Certification Authority. This CA only issues certificates for itself and its Subordinate CAs. It will only be in operation whilst carrying out the operations for which it is established. Its most significant data are:

Distinguished name	CN= BANCO DE ESPAÑA-AC RAIZ, O=BANCO DE ESPAÑA, C=ES
Serial Number	F16D 7586 5D7C CF92 41AD A17A CD9A 3DE2
Distinguished Name of Issuer	CN= BANCO DE ESPAÑA-AC RAIZ, O=BANCO DE ESPAÑA, C=ES
Validity Period	From 08-07-2004 11:34:12 to 08-07-2034 11:34:12
Message Digest (SHA-1)	2B60 DE7D 3337 8BF7 5B67 8B10 77BB F951 6029 D6A8

- **Corporate CA:** Certification Authority subordinate to the Root CA. Its duty is to issue certificates for PKIBDE users. This CP refers to encipherment certificates issued by the same. Its most significant data are:

Distinguished name	CN= BANCO DE ESPAÑA-AC CORPORATIVA, O=BANCO DE ESPAÑA, C=ES
Serial Number	366A 524D A5E4 4AF8 4108 A140 9B9B 76EB
Distinguished Name of Issuer	CN= BANCO DE ESPAÑA-AC RAIZ, O=BANCO DE ESPAÑA, C=ES
Validity Period	From 29-07-2004 9:03:28 to 29-07-2019 9:03:28
Message Digest (SHA-1)	ABE6 1ED2 5AF6 4253 F77B 322F 6F21 3729 B539 1BDA

1.3.3 Registration Authorities

The Registration Authorities are defined in accordance with the PKIBDE Certification Practice Statement.

Provisional authentication and signature certificate issuance is carried out with the intervention of the Corporate RA, with requests managed remotely.

1.3.4 Validation Authority

The Validation Authority is defined in accordance with the PKIBDE Certification Practice Statement.

1.3.5 Keys Archive

The Keys Archive, defined in the PKIBDE Certification Practice Statement, is not applicable in this Certificate Policy.

1.3.6 Certificate Subscribers

The Certificate Subscribers are defined in accordance with the PKIBDE Certification Practice Statement.

The types of persons who may be subscribers of provisional personal certificates issued by the Corporate CA are limited to those included in the following chart:

Certification Environment	Subscribers
Corporate CA	Banco de España employees
	Banco de España collaborators
	Personnel in contracted companies with access to Banco de España's information systems

1.3.7 Relying Parties

Relying parties are those that make use of the certificates to identify the subscribers of provisional certificates issued by the PKIBDE Corporate CA.

1.3.8 Other affected parties

Applicants: Individual subscribers of personal certificates issued by PKIBDE, who have requested PKIBDE to issue a provisional certificate.

User Administrators: individuals within the Banco de España who process the personal certificate requests and verify that they are obtained correctly.

1.4 Certificate Usage

1.4.1 Appropriate certificate use

The certificates regulated under this CP shall be used for:

- **Provisional Authentication Certificate:** authentication of individuals with respect to the Banco de España's Information Systems.
- **Provisional Signature Certificate:** The certificates regulated by this CP will be used to generate advanced electronic signatures. They are recognised certificates in accordance with the regulations set forth under Law 59/2003, of 19 December, The Electronic Signatures Act.

1.4.2 Certificate Usage Constraints and Restrictions

Any other use not included in the previous point shall be excluded.

1.5 Policy Administration

1.5.1 The Banco de España, as PKIBDE owner

This CP belongs to the Banco de España:

Name	Banco de España		
E-mail address	pkibde@bde.es		
Address	C/Alcalá, 48. 28014 - Madrid (Spain)		
Telephone No.	+34913385000	Fax	+34915310059

1.5.2 Contact Person

This CP is managed by the Policy Management Authority (PMA) of the Banco de España PKI:

Name	Information Systems Department Banco de España PKI Policy Management Authority
E-mail address	pkibde@bde.es

Address	C/Alcalá, 522. 28027 - Madrid (Spain)		
Telephone No.	+34913386610	Fax	+34913386870

1.5.3 Establishment of the suitability of a CPS from an External CA as regards PKIBDE Certificate Policies

As specified in PKIBDE's CPS.

1.5.4 Approval Procedures for this CP

As specified in PKIBDE's CPS.

1.6 Definitions and Acronyms

1.6.1 Definitions

Within the scope of this CP the following terms are used:

Authentication: the process of verifying the identity of an applicant or subscriber of a PKIBDE certificate.

Electronic Certificate: a document signed electronically by a certification services provider, which links signature verification data (public key) to a signatory and confirms their identity. This is the definition contained in Law 59/2003, which this document extends to cases in which the signature verification data is linked to a computer component.

Public Key and Private Key: the asymmetric cryptography on which the PKI is based employs a key pair in which what is enciphered with one of these can only be deciphered by the other, and vice versa. One of these keys is "public" and includes the electronic certificate, whilst the other is "private" and is only known by the certificate subscriber and, when appropriate, by the Keys Archive.

Session Key: key established to encipher communication between two entities. The key is established specifically for each communication, or session, and its utility expires upon termination of the session.

Computer Component (or simply, "component"): refers to any software or hardware device that may use electronic certificates, for its own use, for the purpose of its identification or for exchanging signed or enciphered data with relying parties.

Directory: data repository that is accessed through the LDAP protocol.

Identification: the process of establishing the identity of an applicant or subscriber of a PKIBDE certificate.

User Identifier: a set of characters that are used to uniquely identify the user of a system.

Public Key Infrastructure: set of individuals, policies, procedures, and computer systems necessary to provide authentication, encipherment, integrity and nonrepudiation services, by way of public and private key cryptography and electronic certificates.

Trust Hierarchy: set of certification authorities that maintain a relationship of trust by which a CA of a higher level guarantees the trustworthiness of one or several lower level CAs. In the case of PKIBDE, the hierarchy has two levels, the Root CA at the top level guarantees the trustworthiness of its subordinate CAs, one of which is the Corporate CA.

Provider of Certification Services: individual or entity that issues electronic certificates or provides other services related to the electronic signature.

Applicants: individuals who apply for a certificate for themselves or for a computer component.

Relying Parties: individuals or entities other than subscribers that decide to accept and rely on a certificate issued by PKIBDE.

Subscribers: individuals or computer components for which an electronic certificate is issued and accepted by said individuals or, in the case of component certificates, by the component manager.

1.6.2 Acronyms

PAA: Policy Management Authority

CA: Certification Authority

RA: Registration Authority

VA: Validation Authority

CRL: Certificate Revocation List

C: (Country). Distinguished Name (DN) attribute of an object within the X.500 directory structure

CDP: CRL Distribution Point

CEN: Comité Européen de Normalisation

CN: Common Name Distinguished Name (DN) attribute of an object within the X.500 directory structure

CSR: Certificate Signing Request: set of data that contains the public key and its electronic signature using the companion private key, sent to the Certification Authority for the issue of an electronic signature that contains said public key.

CWA: CEN Workshop Agreement

DN: Distinguished Name: unique identification of an entry within the X.500 directory structure

CPS: Certification Practice Statement

ETSI: European Telecommunications Standard Institute

FIPS: Federal Information Processing Standard

HSM: Hardware Security Module: cryptographic security module used to store keys and carry out secure cryptographic operations

IETF: Internet Engineering Task Force (internet standardisation organisation)

LDAP: Lightweight Directory Access Protocol

O: Organisation. Distinguished Name (DN) attribute of an object within the X.500 directory structure

OCSP: Online Certificate Status Protocol: this protocol enables online verification of the validity of an electronic certificate

OID: Object Identifier

OU: Organisational Unit. Distinguished Name (DN) attribute of an object within the X.500 directory structure

CP: Certificate Policy

PIN: Personal Identification Number: password that protects access to a cryptographic card.

PKCS: Public Key Infrastructure Standards: internationally accepted PKI standards developed by RSA Laboratories

PKI: Public Key Infrastructure

PKIBDE: The Banco de España's PKI

PKIX: Work group within the IETF (Internet Engineering Task Group) set up for the purpose of developing PKI and internet specifications.

PCS: Provider of Certification Services.

PUK: PIN Unlock Code: password used to unblock a cryptographic card that has been blocked after repeatedly and consecutively entering the wrong PIN.

RFC: Request For Comments (Standard issued by the IETF)

2 Repositories and Publication of Information

2.1 Repositories

As specified in PKIBDE's CPS.

2.2 Publication of Certification Data

As specified in PKIBDE's CPS.

2.3 Publication Timescale or Frequency

As specified in PKIBDE's CPS.

2.4 Repository Access Controls

As specified in PKIBDE's CPS.

3 Identification and Authentication of Certificate Subscribers

3.1 Naming

3.1.1 Types of names

The certificates issued by PKIBDE contain the Distinguished Name (or DN) X.500 of the issuer and that of the certificate subject in the fields issuer name and subject name, respectively.

In provisional authentication and signature certificates, the CN (Common Name) attribute of the DN refers to its type [A] for authentication and [F] signature, and to the specific person who is the subscriber of the certificate, for which purpose their name and surnames shall be included.

Likewise, the "SerialNumber" and "PS" (Pseudonym) fields will be used with the following content:

- SerialNumber= <Doc. Identification> (OID: 2.5.4.5)
- PS= <User Code> (OID: 2.5.4.65)

The rest of the DN attributes shall have the following fixed values:

- OU=PERSONAS, O=BANCO DE ESPAÑA, C=ES

3.1.2 The need for names to be meaningful

In all cases the distinguished name of the certificates must be meaningful and are subject to the rules established in the previous point in this respect.

3.1.3 Rules for interpreting various name formats

The rule applied by PKIBDE for the interpretation of the distinguished names for subscribers of the certificates it issues is the ISO/IEC 9595 (X.500) Distinguished Name (DN) standard.

3.1.4 Uniqueness of names

Certificate DNs may not be repeated. The use of the user's unique code guarantees the uniqueness of the DN.

3.1.5 Name dispute resolution procedures

Any dispute concerning ownership of names shall be resolved as stipulated in point 9.13 *Claims and Jurisdiction* in this document.

3.1.6 Recognition, authentication, and the role of trademarks

No stipulation.

3.2 Initial Identity Validation

3.2.1 Means of proof of possession of the private key

Provisional personal authentication certificate key pairs are generated by the Corporate CA, for which this point is not applicable for those certificates.

In the event that the key pair for provisional personal signature certificates is generated by the certificate applicant, the possession of the private key, companion of the public key for which the certificate is being requested, shall be proven by sending the certificate signing request, which shall include the public key signed using the companion private key.

3.2.2 Identity authentication for an entity

Issue of certificates for entities is not considered.

3.2.3 Authentication of the identity of an individual

Authentication of the identity of an individual shall be carried out in two ways, depending on the provisional certificate in question:

- **In person:** used in the issue of provisional authentication certificates. The applicant must appear, duly identified, before the Users Administrator. If the application is for a provisional certificate because the card was forgotten, applicants must present the provisional card given by Security and their Spanish ID card or equivalent document. This latter requirement is not essential if the Users Administrator knows the applicant personally and can certify his or her identity.
- **Remote:** Used in obtaining provisional signature certificates. Subscribers identify themselves remotely using their provisional authentication certificate.

3.2.4 Non-verified applicant information

All the information stated in the previous section must be verified.

3.2.5 Validation of authority

No stipulation, given that the issue of certificates for entities is not considered.

3.2.6 Criteria for operating with external CAs

As specified in PKIBDE's CPS.

3.3 Identification and Authentication for Re-key Requests

3.3.1 Identification and authentication requirements for routine re-key

Not applicable as provisional certificates are not renewed.

3.3.2 Identification and authentication requirements for re-key after certificate revocation

Not applicable as provisional certificates are not renewed.

4 Certificate Life Cycle Operational Requirements

This chapter contains the operational requirements for the life cycle of provisional certificates issued by the Corporate CA. Despite the fact that these certificates will be stored on cryptographic cards, it is not the purpose of the Certificate Policy to regulate the management of said cards and, therefore, it is also assumed that the certificate applicants have previously obtained their cryptographic cards.

4.1 Certificate Application

4.1.1 Who can submit a certificate application?

Personal provisional certificate applications refer to two types of groups:

- Employees who already have authentication certificates and, for some reason, require provisional certificates.
- Collaborators and subcontractors who already have authentication certificates and, for some reason, require provisional certificates.

Application for a certificate does not mean it will be obtained if the applicant does not fulfil the requirements established in the CPS or in this CP for provisional certificates. The PKI Administrator may request that the applicant provide the documentation it deems appropriate.

4.1.2 Enrolment process and applicants' responsibilities

Obtaining each provisional certificate involves different and consecutive processes.

A. Obtaining the provisional authentication certificate:

- 1** Applicants go to their assigned Users Administrator to inform them that they need to obtain a provisional certificate.
- 2** The Users Administrator identifies them and verifies that they are authorised to have an provisional authentication certificate.
- 3** Under the supervision of the Users Administrator, applicants change the PIN/PUK of the provisional card.
- 4** Applicants sign the document accepting the certification usage terms and conditions in which they undertake to comply with the CPS and CP, and they become subscribers. This document is provided and collected, once signed, by the Users Administrator.
- 5** Using the Certificate Issuing transaction, the Users Administrator enters the applicant's details and activates the request to the CA. Likewise, the transaction generates a one-time password to generate the certificate which is divided into two parts and one sent is sent to the applicant and to the Users Administrator .
- 6** The Corporate CA, upon receipt of the requests, keeps them pending whilst waiting for the applicants to activate the process, via the web, using their password.
- 7** Applicants, using the two parts of the password and their user code, activate the certificate generation process in the CA.
- 8** The Corporate CA generates the key pair and the certificate and places the certificate and the private key in format PKCS#12 for downloading by applicants..
- 9** Applicants download the provisional authentication certificate.

B. Obtaining the provisional signature certificate:

- 1 Once applicants have obtained their cryptographic card with their provisional authentication certificate incorporated, they access the established web service to obtain the signature certificate.
- 2 Applicants authenticate themselves in the system, where they have been pre-registered, using their provisional authentication card.
- 3 Applicants activate¹ the signature certificate application.
- 4 The key pair is generated in the cryptographic card of the applicants, and the public key is sent to the Corporate CA.
- 5 With this public key, the Corporate CA generates the provisional signature certificate.
- 6 Applicants download the certificate, thus completing the process.

With this process, key pair generation is carried out to the cryptographic card and, therefore, the private key never leave the card.

The responsibilities of applicants not contained in this section are included in the PKIBDE CPS.

4.2 Certificate Application Processing

4.2.1 Performance of identification and authentication procedures

Identification and authentication are carried out in two ways, depending on the type of application:

- Issuing the provisional authentication certificate: identification and authentication are carried out by the Users Administrator.
- Issuing the provisional signature certificate: identification and authentication are carried out electronically using the subscriber's valid provisional authentication certificate.

4.2.2 Approval or rejection of certificate applications

Certificates will be issued once PKIBDE has completed the verifications necessary to validate the certificate application.

The applications processed by the Users Administrators are approved automatically.

4.2.3 Time limit for processing the certificate applications

The PKIBDE Corporate CA shall not be held liable for any delays that may arise in the period between application for the certificate, publication in the PKIBDE repository and its delivery.

Applicants have a limited period of 7 calendar days in which to activate the generation and downloading of the certificate. Once this period has elapsed, they will be cancelled.

4.3 Certificate Issuance

4.3.1 Actions performed by the CA during the issuance of the certificate

Issuance of the certificate signifies complete and final approval of the application by the CA.

When the PKIBDE Corporate CA issues a certificate pursuant to a certificate application, it will make the notifications established under point 4.3.2. of this chapter.

All certificates will become effective upon issue, unless the certificate indicates a later date and time of entry into effect, which may not be more than 15 calendar days following issue. The period of validity is subject to possible early, temporary or permanent termination in the event of circumstances that give cause to the suspension or revocation of the certificate.

¹ Subcontractor company personnel will not have provisional certificate activation available unless the corresponding Users Administrator expressly requests it from PKIBDE.

4.3.2 CA notification to the applicants of certificate issuance

Applicants will be advised of the issue of the provisional authentication certificate via e-mail. Applicants will know that the provisional signature certificate has been effectively issued within the online generation and download process. The CA will then send them an e-mail notifying the issue of the certificate.

4.4 Certificate Acceptance

4.4.1 Form of certificate acceptance

Applicants must confirm acceptance of provisional authentication and signature certificates and their terms and conditions with their hand-written signature on the document established for this purpose.

4.4.2 Publication of the certificate by the CA

Provisional authentication certificates are published in the PKIBDE repository.

4.4.3 Notification of certificate issuance by the CA to other Authorities

Not applicable.

4.5 Key Pair and Certificate Usage

4.5.1 Subscribers' use of the private key and certificate

Subscribers may only use the private key and the certificate for the uses authorised in this CP and in accordance with the 'Key Usage' and 'Extended Key Usage' fields of the certificate. Likewise, subscribers may only use the key pair and the certificate once they have accepted the terms and conditions of use established in the CPS and CP, and only for that which is stipulated therein.

Following certificate end-of-life or revocation, subscribers must discontinue use of the private key. The provisional authentication certificates regulated by this CP may be used only to provide the following security services:

- Authentication with respect to the Banco de España's Information Systems that require authentication by electronic certificate and, in the case of subcontracted personnel, e-mail signature.

The personal provisional signature certificates regulated by this CP may be used only to provide the following security services:

- Electronic signature of e-mails, files and computer transactions in which one wants to include identity control of the signatory, integrity control and non-repudiation.

4.5.2 Third party use of the public key and the certificate

Third parties may only rely on the certificates as stipulated in this CP and in accordance with the 'Key Usage' field of the certificate.

To trust the certificate, Accepting Third Parties must successfully complete public key transactions, and take responsibility for verifying the certificate status using the means established by the CPS and by this CP. They are likewise bound to the conditions of use established in these documents.

4.6 Certificate Renewal with no Key Changeover

4.6.1 *Circumstances for certificate renewal with no key changeover*

Provisional certificates are not renewed; when necessary, new ones are issued. Consequently, the remaining points in section 4.6 (4.6.2 to 4.6.7) established in RFC 3647 are not included, and they are all considered not stipulated.

4.7 Certificate Renewal with Key Changeover

4.7.1 *Circumstances for certificate renewal with key changeover*

Provisional certificates are not renewed; when necessary, new ones are issued. Consequently, the remaining points in section 4.7 (4.7.2 to 4.7.7) established in RFC 3647 are not included, and they are all considered not stipulated.

4.8 Certificate Modification

4.8.1 *Circumstances for certificate modification*

Provisional certificates are not modified; when necessary, new ones are issued. Consequently, the remaining points in section 4.8 (4.8.2 to 4.8.7) established in RFC 3647 are not included, and they are all considered not stipulated.

4.9 Certificate Revocation and Suspension

4.9.1 *Circumstances for revocation*

Certificate revocation is the procedure by which a certificate is terminated before the end of its lifetime, permanently and for any reason. Certificate revocation produces the discontinuance of the certificate's reliability, rendering the certificate permanently inoperative as regards its inherent uses and, therefore, discontinuance of the provision of certification services. Revocation of a certificate prevents its legitimate use by the holder. Revocation shall not affect the underlying obligations created or notified by this CP and the CPS.

Revocation of a certificate entails publication of that certificate on the public-access Certificate Revocation Lists (CRL).

A provisional personal authentication or signature certificate may be revoked due to:

- Loss, disclosure, modification or any other circumstance that compromises the subscriber's private key or when suspicion of such compromise exists.
- Deliberate misuse of keys and certificates, or failure to observe or infringement of the operational requirements contained in the Acceptance Form for the terms and conditions of use of the personal certificates, in the CPS or in this CP.
- The subscriber ceases to belong to the group, when said membership granted the subscriber the right to hold the certificate.
- Ceasing of PKIBDE activity.
- Defective issue of a certificate due to:
 - 1** Failure to comply with the material requirements for certificate issuance.
 - 2** Reasonable belief that basic information related to the certificate is or could be false.
 - 3** The existence of a data entry error or any other processing error.
- The key pair generated by the subscriber has been found to be "weak".
- The information contained in a certificate or used for the application becomes inaccurate.
- By order of the subscriber or a third party.

- The certificate of a higher RA or CA in the certificate trust hierarchy is revoked.
- Any of the other causes specified in this CP or in the CPS.

The main effect of revocation as regards the certificate is the immediate and early termination of its term of validity, with which the certificate becomes invalid. Revocation shall not affect the underlying obligations created or notified by this CP, nor shall its effects be retroactive.

4.9.2 Who can request revocation?

PKIBDE or any of the Authorities that comprise the former may, of their own accord, request the revocation of a certificate if they become aware or suspect that the subscriber's private key has been compromised, or in the event of any other determining factor that recommends taking such action.

Likewise, certificate subscribers may also request revocation of their certificates, which they must do in accordance with the conditions established under point 4.9.3.

The identification policy for revocation requests may be the same as that of the initial registration. The authentication policy shall accept revocation requests signed electronically by the certificate subscriber, as long as it is done using a valid certificate other than the one for which the revocation is requested.

4.9.3 Procedures for requesting certificate revocation

The subscribers or individuals requesting the revocation must appear before the Users Administrator, identifying themselves and indicating the reason for the request.

The Users Administrator shall always process the revocation requests submitted by its assigned subscribers. The request is made via a transaction within the Computer Security Administration application.

Apart from this ordinary procedure, PKI Operators and Administrators may immediately revoke any certificate upon becoming aware of the existence of any of the causes for revocation.

4.9.4 Revocation request grace period

Revocation shall be carried out immediately following the processing of each request that is verified as valid. Therefore, there is no grace period associated with this process.

4.9.5 Time limit for the CA to process the revocation request

Requests for revocation of provisional authentication certificates must be processed as quickly as possible, and in no case may said processing take more than 1 hour.

4.9.6 Requirements for revocation verification by relying parties

Verification of revocations is mandatory for each use made of a provisional certificate.

Relying parties must check the validity of the CRL prior to each use and download the new CRL from the PKIBDE repository when the one they hold expires. CRLs stored in cache² memory, even when not expired, do not guarantee availability of updated revocation data.

For authentication certificates, the ordinary validity verification procedure for a certificate shall be carried out with Banco de España's Validation Authority, which shall indicate, through the OCSP protocol, the status of the certificate.

²Cache memory: memory that stores the necessary data for the system to operate faster, as it does not have to obtain this data from the source for every operation. Its use could entail the risk of operating with outdated data.

4.9.7 CRL issuance frequency

As specified in PKIBDE's CPS.

4.9.8 Maximum latency between the generation of CRLs and their publication

Each CP will establish the maximum time allowed between generation of the CRLs and their publication in the repository.

4.9.9 Online certificate revocation status checking availability

PKIBDE provides a web server on which it publishes the CRLs for verification of the status of the certificates it issues. Additionally, there is a Validation Authority that, via OCSP protocol, enables certificate status verification.

The web addresses for access to the CRLs and the Validation Authority are set out in point 2.1 *Repositories*.

4.9.10 Online revocation checking requirements

When using the Validation Authority, relying parties must have software capable of operating with the OCSP protocol to obtain the certificate information.

4.9.11 Other forms of revocation alerts available

No stipulation.

4.9.12 Special requirements for the revocation of compromised keys

There are no variations to the aforementioned clauses for revocation due to private key compromise.

4.9.13 Causes for suspension

The provisional certificates shall not be suspended.

4.9.14 Who can request the suspension?

Not applicable.

4.9.15 Procedure for requesting certificate suspension

Not applicable.

4.9.16 Suspension period limits

Not applicable.

4.10 Certificate status services

4.10.1 Operational characteristics

As specified in PKIBDE's CPS.

4.10.2 Service availability

As specified in PKIBDE's CPS.

4.10.3 Additional features

As specified in PKIBDE's CPS.

4.11 End of Subscription

Certificate subscription may be ended due to the following causes:

- Early certificate revocation due to any of the causes established in point 4.9.1.
- Expiry of the certificate.

If certificate renewal is not requested, the end of the subscription will terminate the relationship between the subscriber and the CA.

4.12 Key Escrow and Recovery

4.12.1 Key escrow and recovery practices and policies

The private key for provisional certificates is not archived.

4.12.2 Session key encapsulation and recovery policies and practices

No stipulation.

5 Management, Operational, and Physical Controls

5.1 Physical Security Controls

5.1.1 Site location and construction

As specified in PKIBDE's CPS.

5.1.2 Physical access

As specified in PKIBDE's CPS.

5.1.3 Power and air-conditioning

As specified in PKIBDE's CPS.

5.1.4 Water exposure

As specified in PKIBDE's CPS.

5.1.5 Fire prevention and protection

As specified in PKIBDE's CPS.

5.1.6 Storage system

As specified in PKIBDE's CPS.

5.1.7 Waste disposal

As specified in PKIBDE's CPS.

5.1.8 Offsite backup

As specified in PKIBDE's CPS.

5.2 Procedural controls

5.2.1 Roles responsible for PKI control and management

As specified in PKIBDE's CPS.

5.2.2 Number of individuals required to perform each task

As specified in PKIBDE's CPS.

5.2.3 Identification and authentication of each user

As specified in PKIBDE's CPS.

5.2.4 Roles that require separation of duties

As specified in PKIBDE's CPS.

5.3 Personnel Security Control

5.3.1 Requirements concerning professional qualification, knowledge and experience

As specified in PKIBDE's CPS.

5.3.2 Background checks and clearance procedures

As specified in PKIBDE's CPS.

5.3.3 Training requirements

As specified in PKIBDE's CPS.

5.3.4 Retraining requirements and frequency

As specified in PKIBDE's CPS.

5.3.5 Frequency and sequence for job rotation

As specified in PKIBDE's CPS.

5.3.6 Sanctions for unauthorised actions

As specified in PKIBDE's CPS.

5.3.7 Requirements for third party contracting

As specified in PKIBDE's CPS.

5.3.8 Documentation supplied to personnel

As specified in PKIBDE's CPS.

5.4 Security Audit Procedures

5.4.1 Types of events recorded

As specified in PKIBDE's CPS.

5.4.2 Frequency with which audit logs are processed

As specified in PKIBDE's CPS.

5.4.3 Period for which audit logs are kept

As specified in PKIBDE's CPS.

5.4.4 Audit log protection

As specified in PKIBDE's CPS.

5.4.5 Audit log back up procedures

As specified in PKIBDE's CPS.

5.4.6 Audit data collection system (internal vs. external)

As specified in PKIBDE's CPS.

5.4.7 Notification to the subject who caused the event

As specified in PKIBDE's CPS.

5.4.8 Vulnerability assessment

As specified in PKIBDE's CPS.

5.5 Records Archive

5.5.1 Types of records archived

As specified in PKIBDE's CPS.

5.5.2 Archive retention period

As specified in PKIBDE's CPS.

5.5.3 Archive protection

As specified in PKIBDE's CPS.

5.5.4 Archive backup procedures

As specified in PKIBDE's CPS.

5.5.5 Requirements for time-stamping records

As specified in PKIBDE's CPS.

5.5.6 Audit data archive system (internal vs. external)

As specified in PKIBDE's CPS.

5.5.7 Procedures to obtain and verify archived information

As specified in PKIBDE's CPS.

5.6 CA Key Changeover

As specified in PKIBDE's CPS.

5.7 Compromised Key and Disaster Recovery

5.7.1 Incident and compromise handling procedures

As specified in PKIBDE's CPS.

5.7.2 Corruption of computing resources, software, and/or data

As specified in PKIBDE's CPS.

5.7.3 Action procedures in the event of compromise of an Authority's private key

As specified in PKIBDE's CPS.

5.7.4 Installation following a natural disaster or another type of catastrophe

As specified in PKIBDE's CPS.

5.8 CA or RA Termination

5.8.1 Certification Authority

As specified in PKIBDE's CPS.

5.8.2 Registration Authority

No stipulation.

6 Technical Security Controls

Technical security controls for PKIBDE internal components, and specifically for Root CA and Corporate CA in the certificate issuing and signing processes are detailed in the CPS of the PKIBDE.

This paragraph describes the technical security controls for issuing certificates under this CP

6.1 Key pair generation and installation

6.1.1 Key pair generation

The keys for provisional authentication certificates issued by the Corporate CA are generated in cryptographic hardware modules with FIPS 140-2 Level 3 certification, installed in said CA.

Provisional signature certificate keys issued by the Corporate CA are generated in the subscriber's own cryptographic card.

6.1.2 Delivery of private keys to subscribers

In the case of provisional authentication certificates, delivery of the private key is carried out by subscribers downloading a file in PKCS#12 format. To guarantee delivery security, the availability of the generation and subsequent downloading of the certificate shall be notified by e-mail, and one part of the single-use password shall be provided. The rest of the password shall be notified to the Users Administrator that processed the application.

Generation of the key pair and the certificate is activated by subscribers, as well as their downloading, in the presence of their Administrator, which provides their part of the password. The downloading software forces installation of the certificate and private key in the subscriber's cryptographic card, preventing a copy of the PKCS# 12 being saved to the hard disk.

In the case of provisional signature certificates, private keys are generated by the subscribers on their cryptographic card and, therefore, no delivery needs to be regulated.

6.1.3 Delivery of the public key to the certificate issuer

Public keys for provisional authentication certificates are generated by the Corporate CA and, therefore, no delivery is required.

Public keys for provisional signature keys are provided by the applicants to the Corporate CA during the process of obtaining the certificate.

6.1.4 Delivery of the CA's public key to relying parties

The Corporate CA's public key is included in the CA's certificate. The Corporate CA's certificate is not included in the subscriber's certificate. The Corporate CA's certificate must be obtained from the repository, specifying in this document where it is available for certificate subscribers and relying parties to carry out any type of verification.

6.1.5 Key sizes

The size of the provisional authentication and signature certificate keys is 1024 bits.

6.1.6 Public key generation parameters and quality checks

Provisional certificate public keys are encoded pursuant to RFC 3280 and PKCS#1. The key generation algorithm is the RSA.

6.1.7 Key usage purposes (*KeyUsage* field in X.509 v3)

The keys defined under this policy and, therefore, the associated certificates, shall be used to verify the identity of the certificate subscriber as regards the Banco de España's Information Systems. For this purpose, the 'Key Usage' and 'Extended Key Usage' fields of the certificate include the following uses:

Provisional Authentication Certificate	Provisional Signature Certificate
Key Usage: <ul style="list-style-type: none">- digitalSignature.- keyAgreement	Key Usage: <ul style="list-style-type: none">- nonRepudiation
Extended Key Usage: <ul style="list-style-type: none">- clientAuth.- smartCardLogon- emailProtection³- anyExtendedKeyUsage	Extended Key Usage: <ul style="list-style-type: none">- emailProtection- anyExtendedKeyUsage

6.2 Private Key Protection and Cryptographic Module Engineering Controls

6.2.1 Cryptographic module standards

The module used for the creation of keys used by PKIBDE's Corporate CA has FIPS 140-2 Level 3 certification.

Start-up of each one of the Certification Authorities, taking into account that a Security Cryptographic module (HSM) is used, involves the following tasks:

- a** HSM module status boot up.
- b** Creation of administration and operator cards.
- c** Generation of the CA keys.

6.2.2 Private key multi-person (*k out of n*) control

The private key, both for the Root CA and the Subordinate CA, is under multi-person control; it can be activated by running the CA software through a combination of CA operators. It is the only method to activate said private key.

No multi-person control has been set to access the private keys of certificates issued under this CP.

6.2.3 Escrow of private keys

The private keys of the provisional authentication and signature certificates are housed on cryptographic cards. They cannot be exported under any circumstances, and access to operations with said cards is protected by a PIN.

6.2.4 Private key backup copy

Subscribers of certificates issued under this CP cannot make back-up copies of their certificates because the keys cannot be exported from the cards, and the cards cannot be copied.

³ This attribute is included solely in personal provisional authentication certificates issued by PKIBDE for contracted company personnel, given that this group will not have, in general, electronic signature certificates. Its purpose is for the personnel of contracted companies to be able to use their authentication certificates to sign e-mails.

6.2.5 Private key archive

The Corporate CA, once the provisional authentication certificate issuance process has finalised, does not keep a copy of its private key and, therefore, the private key can only be found on the corresponding cryptographic card held by the subscriber.

The Corporate CA never accesses the private key linked to the provisional signature certificate and, therefore, never archives said key.

6.2.6 Private key transfer into or from a cryptographic module

No stipulation.

6.2.7 Private key storage in a cryptographic module

Private keys for provisional authentication certificates are created in the Corporate CA's cryptographic module, but they are not subsequently saved.

The private keys for provisional signature certificates are created on the cryptographic card and are stored there.

6.2.8 Private key activation method

The private key for the provisional authentication certificate is provided in a PKCS#12 file, protected by a single-use password. Once it has been downloaded and installed on a cryptographic card, its use is controlled by the card's PIN.

Once the private key for the provisional signature has been generated and the certificate downloaded and installed on the cryptographic card, its use is controlled through the card's PIN.

6.2.9 Private key deactivation method

It can be deactivated by removing the card from the reader or once the time-out period since the PIN was entered has elapsed.

6.2.10 Private key destruction method

As specified in PKIBDE's CPS.

6.2.11 Cryptographic module classification

The cryptographic modules used comply with the FIPS 140-2 Level 3 standard.

6.3 Other Aspects of Key Pair Management

6.3.1 Public key archive

As specified in PKIBDE's CPS.

6.3.2 Operational period of certificates and usage periods for key pairs

Provisional authentication and signature certificates and their linked key pair have a maximum lifetime of 7 days, although the Corporate CA may establish a shorter period at the time of their issue.

6.4 Activation Data

6.4.1 Generation and installation of activation data

As specified in PKIBDE's CPS.

6.4.2 *Activation data protection*

As specified in PKIBDE's CPS.

6.4.3 *Other activation data aspects*

As specified in PKIBDE's CPS.

6.5 Computer Security Controls

6.5.1 *Specific security technical requirements*

As specified in PKIBDE's CPS.

6.5.2 *Computer security evaluation*

As specified in PKIBDE's CPS.

6.6 Life Cycle Security Controls

6.6.1 *System development controls*

As specified in PKIBDE's CPS.

6.6.2 *Security management controls*

As specified in PKIBDE's CPS.

6.6.3 *Life cycle security controls*

As specified in PKIBDE's CPS.

6.7 Network Security Controls

As specified in PKIBDE's CPS.

6.8 Time-stamping

As specified in PKIBDE's CPS.

7 Certificate, CRL and OCSP Profiles

7.1 Certificate Profile

7.1.1 Version number

Provisional authentication and signature certificates issued by the Corporate CA use the X.509 version 3 (X.509 v3) standard.

7.1.2 Certificate extensions

The certificate extensions used generically are:

- *Subject Key Identifier* Classified as non-critical.
- *Authority Key Identifier* Classified as non-critical.
- *KeyUsage*. Classified as critical.
- *.extKeyUsage* Classified as non-critical.
- *CertificatePolicies*. Classified as non-critical.
- *SubjectAlternativeName*. Classified as non-critical.
- *BasicConstraints*. Classified as critical.
- *CRLDistributionPoint*. Classified as non-critical.
- *QcStatements* (only for prov. signature certs.). Classified as non-critical.
- *netscapeCertType* (only for prov. signature certs.). Classified as non-critical.
- *Auth. Information Access*. Classified as non-critical.
- *bdeCertType* (1.3.6.1.4.1.19484.2.3.6). Classified as non-critical.

Provisional Authentication Certificate		
FIELD	CONTENT	CRITICAL for extensions
Field X509v1		
1. Version	V3	
2. Serial Number	Random	
3. Signature Algorithm	SHA-1WithRSAEncryption	
4. Issuer Distinguished Name	CN= BANCO DE ESPAÑA-AC CORPORATIVA, O=BANCO DE ESPAÑA, C=ES	
5. Lifetime	7 days (maximum value)	
6. Subject	CN=[A] Name Surname 1 Surname 2 SerialNumber= Identity Document PS=User Code OU=PERSONAS O=BANCO DE ESPAÑA C=ES	
7. Subject Public Key Info	Algorithm: RSA Encryption Minimum Key Length: 1024(big string)	
Field X509v2		
1. issuerUniqueId	Not used	
2. subjectUniqueId	Not used	
X509v3 extensions		
1. Subject Key Identifier	Derived from using the SHA-1 hash on the subject's public key.	NO

Provisional Authentication Certificate		
FIELD	CONTENT	CRITICAL for extensions
2. Authority Key Identifier	Derived from using the SHA-1 hash on the issuing CA's public key.	NO
3. KeyUsage		YES
Digital Signature	1	
Non Repudiation	0	
Key Encryption	0	
Data Encryption	0	
Key Agreement	1	
Key Certificate Signature	0	
CRL Signature	0	
4. extKeyUsage	clientAuth, smartCardLogon, anyExtendedKeyUsage, emailProtection ⁴	NO
5. privateKeyUsagePeriod	Not used	
6. Certificate Policies		NO
Policy Identifier	1.3.6.1.4.1.19484.2.2.1	
URL CPS	http://pki.bde.es/politicas	
Notice Reference	Certificado sujeto a: Declaración de Prácticas de Certificación del Banco de España. © 2004 Banco de España. Todos los derechos reservados. (C/Alcalá 48, 28014 Madrid-España)	
Policy Identifier	1.3.6.1.4.1.19484.2.2.10	
Notice Reference	Certificado personal de autenticación provisional sujeto a la Declaración de Prácticas de Certificación del Banco de España. ©2004 Banco de España. Todos los derechos reservados	
7. Policy Mappings	Not used	
8. Subject Alternate Names	UPN (User's Principal Name in Windows 2000) E-mail address pursuant to RFC 822 1.3.6.1.4.1.19484.2.3.1 Name 1.3.6.1.4.1.19484.2.3.2 Surname1 1.3.6.1.4.1.19484.2.3.3 Surname2 1.3.6.1.4.1.19484.2.3.4 BDE employee no. 1.3.6.1.4.1.19484.2.3.5 BDE user code no. 1.3.6.1.4.1.19484.2.3.7 Identity Document 1.3.6.1.4.1.19484.2.3.15 ID for subcontractors ⁵	NO
9. Issuer Alternate Names	Not used	
10. Subject Directory Attributes	Not used	
11. Basic Constraints	CA	YES
Subject Type	End Entity	
Path Length Constraint	Not used	
12. CRLDistributionPoints	(1) Active Directory: ldap:///CN=BANCO%20 DE%20ESPA%D1A%20-%20AC%20CORPORATIVA,CN=snt0053,CN=CDP,CN=Public%20Key%20Services,CN=Services,CN=Configuration,DC=BDE, DC=ES ?certificateRevocationList?base?objectclass=cRLDistributionPoint	NO

⁴This attribute shall be included solely in personal authentication certificates issued by PKIBDE for contracted company personnel.

⁵This attribute shall be included solely in personal certificates issued by PKIBDE for contracted company personnel. Enables differentiation of subscribers that belong to this group.

Provisional Authentication Certificate

FIELD	CONTENT	CRITICAL for extensions
	(2) LDAP: ldap://pkildap.bde.es/CN=CRL,CN=BANCO%20DE%20ESPA% D1A-AC%20CORPORATIVA, CN=Internas, CN=PKI, CN=Configuration, DC=BDE, DC=ES ?certificateRevocationList ?base ?objectclass=cRLDistributionPoint (3)HTTP http://pki.bde.es/certs/ACcorporativa.crl	
13. Auth. Information Access	OCSP http://pkiva.bde.es CA http://pki.bde.es/certs/ACraiz.crt	NO
14. netscapeCertType	Not applicable.	
15. netscapeRevocationURL	Not applicable.	
16. netscapeCAPolicyURL	Not applicable.	
17. netscapeComment	Not applicable.	
18. bdeCertType (1.3.6.1.4.1.19484.2.3.6)	AUTENTICACION-PROVISIONAL	

Provisional Signature Certificate

FIELD	CONTENT	CRITICAL for extensions
Field X509v1		
1. Version	V3	
2. Serial Number	Random	
3. Signature Algorithm	SHA-1WithRSAEncryption	
4. Issuer Distinguished Name	CN= BANCO DE ESPAÑA-AC CORPORATIVA, O=BANCO DE ESPAÑA, C=ES	
5. Lifetime	7 days (maximum value)	
6. Subject	CN=[F] Name Surname 1 Surname 2 SerialNumber= Identity Document PS=User Code OU=PERSONAS O=BANCO DE ESPAÑA C=ES	
7. Subject Public Key Info	Algorithm: RSA Encryption Key length: 1024(big string) to 2048	
Field X509v2		
1. issuerUniquelIdentifier	Not used	
2. subjectUniquelIdentifier	Not used	
X509v3 extensions		
1. Subject Key Identifier	Derived from using the SHA-1 hash on the subject's public key.	NO
2. Authority Key Identifier	Derived from using the SHA-1 hash on the issuing CA's public key.	NO
3. KeyUsage		YES
Digital Signature	0	
Non Repudiation	1	
Key Encryption	0	
Data Encryption	0	
Key Agreement	0	
Key Certificate Signature	0	
CRL Signature	0	
4. extKeyUsage	emailProtection, anyExtendedKeyUsage	
5. privateKeyUsagePeriod	Not used	
6. Certificate Policies		NO
Policy Identifier	1.3.6.1.4.1.19484.2.2.1	
URL CPS	http://pki.bde.es/politicas	
Notice Reference	Certificado sujeto a: Declaración de Prácticas de Certificación del Banco de España. © 2004 Banco de España. Todos los derechos reservados. (C/Alcalá 48, 28014 Madrid-España)	
Policy Identifier	1.3.6.1.4.1.19484.2.2.10	
Notice Reference	Certificado personal de firma provisional sujeto a la Declaración de Prácticas de Certificación del Banco de España. ©2004 Banco de España. Todos los derechos reservados	

Provisional Signature Certificate		
FIELD	CONTENT	CRITICAL for extensions
7. Policy Mappings	Not used	
8. qcStatements	id-qcs-pkixQCSyntax-v1 (recognised certificate) Id-etsi-qcs-QcCompliance (OID 0.4.0.1862.1.1)	NO
9. Subject Alternate Names	E-mail address pursuant to RFC 822 1.3.6.1.4.1.19484.2.3.1 Name 1.3.6.1.4.1.19484.2.3.2 Surname1 1.3.6.1.4.1.19484.2.3.3 Surname2 1.3.6.1.4.1.19484.2.3.4 BDE employee no. 1.3.6.1.4.1.19484.2.3.5 BDE user code no. 1.3.6.1.4.1.19484.2.3.7 Identity Document 1.3.6.1.4.1.19484.2.3.15 ID for subcontractors ⁶	
10. Issuer Alternate Names	Not used	
11. Subject Directory Attributes	Not used	
12. Basic Constraints	CA	YES
Subject Type		
Path Length Constraint	Not used	
13. Policy Constraints	Not used	
14. CRLDistributionPoints	(1) Active Directory: ldap:///CN=BANCO%20DE%20ESPA%D1A%20-%20AC%20CORPORATIVA,CN=snt0053,CN=CDP, CN=Public%20Key%20Services,CN=Services,CN=Configuration, DC=BDE, DC=ES ?certificateRevocationList?base?objectclass=cRLDistributionPoint (2) LDAP: ldap://pkildap.bde.es/CN=CRL,CN=BANCO%20DE%20ESPA%D1A-AC%20CORPORATIVA, CN=Internas, CN=PKI, CN=Configuration, DC=BDE, DC=ES ?certificateRevocationList ?base ?objectclass=cRLDistributionPoint (3) HTTP http://pki.bde.es/certs/ACcorporativa.crl	NO
15. Auth. Information Access	OCSP http://pkiva.bde.es CA http://pki.bde.es/certs/ACraiz.crt	NO
16. netscapeCertType	SMIME_Client	
17. netscapeRevocationURL	Not applicable.	
18. netscapeCAPolicyURL	Not applicable.	
19. netscapeComment	Not applicable.	
20. bdeCertType (1.3.6.1.4.1.19484.2.3.6)	FIRMA-PROVISIONAL	

7.1.3 Algorithm Object Identifiers (OID)

Cryptographic algorithm object identifiers (OID):

SHA-1 with RSA Encryption (1.2.840.113549.1.1.5)

⁶This attribute shall be included solely in personal certificates issued by PKIBDE for contracted company personnel. Enables differentiation of subscribers that belong to this group.

7.1.4 Name formats

Certificates issued by PKIBDE contain the X.500 distinguished name of the certificate issuer and that of the subject in the issuer name and subject name fields, respectively.

7.1.5 Name constraints

The names contained in the certificates are restricted to X.500 distinguished names, which are unique and unambiguous.

The CN (Common Name) attribute and the serialNumber of the DN will be what distinguish one DN from another. The rest of the attributes will have the following fixed values:

OU=PERSONS, O=BANCO DE ESPAÑA, C=ES

7.1.6 Certificate Policy Object Identifiers (OID)

The OID of this CP is 1.3.6.1.4.1.19484.2.2.10. An X.Y format extension is added to indicate the version.

7.1.7 Use of the "PolicyConstraints" extension

No stipulation.

7.1.8 Syntax and semantics of the "PolicyQualifier

The Certificate Policies extension contains the following Policy Qualifiers:

- URL CPS: contains the URL to the CPS and to the CP that govern the certificate.
- Notice Reference: Text note that is displayed on the screen, upon request from an application or an individual, when a third party verifies a certificate.

The content for certificates regulated under this policy can be seen in point 7.1.2 *Certificate extensions*.

7.1.9 Processing semantics for the critical "CertificatePolicy" extension

No stipulation.

7.2 CRL Profile

7.2.1 Version number

As specified in PKIBDE's CPS.

7.2.2 CRL and extensions

As specified in PKIBDE's CPS.

7.3 OCSP Profile

7.3.1 Version number(s)

As specified in PKIBDE's CPS.

7.3.2 OCSP Extensions

As specified in PKIBDE's CPS.

8 Compliance Audit and Other Controls

8.1 Frequency or Circumstances of Controls for each Authority

As specified in PKIBDE's CPS.

8.2 Identity/Qualifications of the Auditor

As specified in PKIBDE's CPS.

8.3 Relationship between the Assessor and the Entity being Assessed

As specified in PKIBDE's CPS.

8.4 Aspects Covered by Controls

As specified in PKIBDE's CPS.

8.5 Actions Taken as a Result of Deficiencies Found

As specified in PKIBDE's CPS.

8.6 Notification of the Results

As specified in PKIBDE's CPS.

9 Other Business and Legal Matters

9.1 Fees

9.1.1 *Certificate issuance or renewal fees*

No fees are applied for the issue or revocation of certificates under this Certificate Policy.

9.1.2 *Certificate access fees*

Access to certificates issued under this Policy is free of charge and, therefore, no fee is applicable to them.

9.1.3 *Revocation or status information fees*

Access to information on the status or revocation of the certificates is open and free of charge and, therefore, no fees are applicable.

9.1.4 *Fees for other services, such as policy information*

No fee shall be applied for information services on this policy, nor on any additional service that is known at the time of drawing up this document.

9.1.5 *Refund policy*

Given that there are no fees for this Certificate Policy, no refund policy is required.

9.2 Information Confidentiality

9.2.1 *Scope of confidential information*

As specified in PKIBDE's CPS.

9.2.2 *Non-confidential information*

As specified in PKIBDE's CPS.

9.2.3 *Duty to maintain professional secrecy*

As specified in PKIBDE's CPS.

9.3 Personal Data Protection

9.3.1 *Personal data protection policy*

As specified in PKIBDE's CPS.

9.3.2 *Information considered private*

As specified in PKIBDE's CPS.

9.3.3 *Information not classified as private*

As specified in PKIBDE's CPS.

9.3.4 *Responsibility to protect personal data*

As specified in PKIBDE's CPS.

9.3.5 *Notification of and consent to the use of personal data*

As specified in PKIBDE's CPS.

9.3.6 *Disclosure within legal proceedings*

As specified in PKIBDE's CPS.

9.3.7 *Other circumstances in which data may be made public*

As specified in PKIBDE's CPS.

9.4 Intellectual Property Rights

As specified in PKIBDE's CPS.

9.5 Obligations

9.5.1 Obligations of the CA

As specified in PKIBDE's CPS.

The PKIBDE Corporate Certification Authority shall act, linking a specific public key to its subscriber by way of the issue of a provisional certificate, all of this in accordance with the terms of this CP and the CPS.

The services provided by the CA in the context of this CP are the services of issue, renewal and revocation of provisional certificates, which are accessed by remote Administration Positions of the CA, deployed for said purpose.

9.5.2 Obligations of the RA

As specified in PKIBDE's CPS.

9.5.3 Obligations of certificate subscribers

As specified in PKIBDE's CPS.

9.5.4 Obligations of relying parties

As specified in PKIBDE's CPS.

9.5.5 Obligations of other participants

As specified in PKIBDE's CPS.

9.6 Liabilities

9.6.1 PKIBDE's liabilities

As specified in PKIBDE's CPS.

9.6.2 PKIBDE liability exemption

As specified in PKIBDE's CPS.

9.6.3 Scope of liability coverage

As specified in PKIBDE's CPS.

9.7 Loss Limits

As specified in PKIBDE's CPS.

9.8 Validity Period

9.8.1 Term

This CP shall enter into force from the moment it is approved by the PAA and published in the PKIBDE repository.

This CP shall remain valid until such time as it is expressly terminated due to the issue of a new version, or upon re-key of the Corporate CA keys, at which time it is mandatory to issue a new version.

9.8.2 CP substitution and termination

This CP shall always be replaced by a new version, regardless of the importance of the changes carried out therein, meaning that it will always be applicable in its entirety.

When the CP is terminated, it will be withdrawn from the PKIBDE public repository, though it will be held for 15 years.

9.8.3 Consequences of termination

The obligations and constraints established under this CP, referring to audits, confidential information, PKIBDE obligations and liabilities that came into being whilst it was in force shall continue to prevail following its replacement or termination with a new version in all terms which are not contrary to said new version.

9.9 Individual notices and communications with participants

As specified in PKIBDE's CPS.

9.10 Specification Amendment Procedures

9.10.1 Amendment procedures

As specified in PKIBDE's CPS.

9.10.2 Notification period and mechanism

As specified in PKIBDE's CPS.

9.10.3 Circumstances in which the OID must be changed

As specified in PKIBDE's CPS.

9.11 Disputes and Jurisdiction

As specified in PKIBDE's CPS.

9.12 Governing Law

As specified in PKIBDE's CPS.

9.13 Compliance with Applicable Law

As specified in PKIBDE's CPS.

9.14 Miscellaneous Provisions

9.14.1 Entire agreement clause

As specified in PKIBDE's CPS.

9.14.2 Independence

Should any of the provisions of this CP be declared invalid, null or legally unenforceable, it shall be deemed as not included, unless said provisions were essential in such a way that excluding them from the CP would render the latter without legal effect.

9.14.3 Resolution through the courts

No stipulation.

9.15 Other Provisions

No stipulation.

10 Personal Data Protection

10.1 Data Protection Legal Scheme

As specified in PKIBDE's CPS.

10.2 File Creation and Registration

As specified in PKIBDE's CPS.

10.3 Personal Data Protection Act Security Document

As specified in PKIBDE's CPS.