

## **INFORMATION TECHNOLOGY COMMITTEE**

### **ESCB-PKI PROJECT**



ESCB-PKI REGISTRATION AUTHORITY APPLICATION

PERSONAL CERTIFICATE REQUESTOR'S MANUAL

**VERSION 3.1**



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RELEASE NOTES

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Release number	Status	Date of issue	Revisions
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1.1	Final	15.04.2014	Update of the ESCB-PKI website
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3.0	Final	15.11.2021	Compatibility with other browsers
3.1	Final	07.11.2024	Update <i>http</i> links to <i>https</i>

## GLOSSARY AND ACRONYMS

<b>Acronym</b>	<b>Definition</b>
CSR	Certificate Signing Request
ESCB-PKI	European System of Central Banks - Public Key Infrastructure
FAQ	Frequently Asked Questions
PKCS#10	Public Key Cryptographic Standard #10: Certification Request Standard
PKCS#12	Public Key Cryptographic Standard #12: Personal Information Exchange Syntax Standard
PKI	Public Key Infrastructure

# 1. INTRODUCTION

The present document aims at providing information on how to manage certificate requests as the Personal Certificate Requestor with the ESCB-PKI Registration Authority application developed as part of the ESCB-PKI project.

## 1.1. THE ESCB-PKI WEBSITE

From the ESCB-PKI website you can get access to the ESCB-PKI services and find additional information related to certificate management, token management and Public Key Infrastructures.

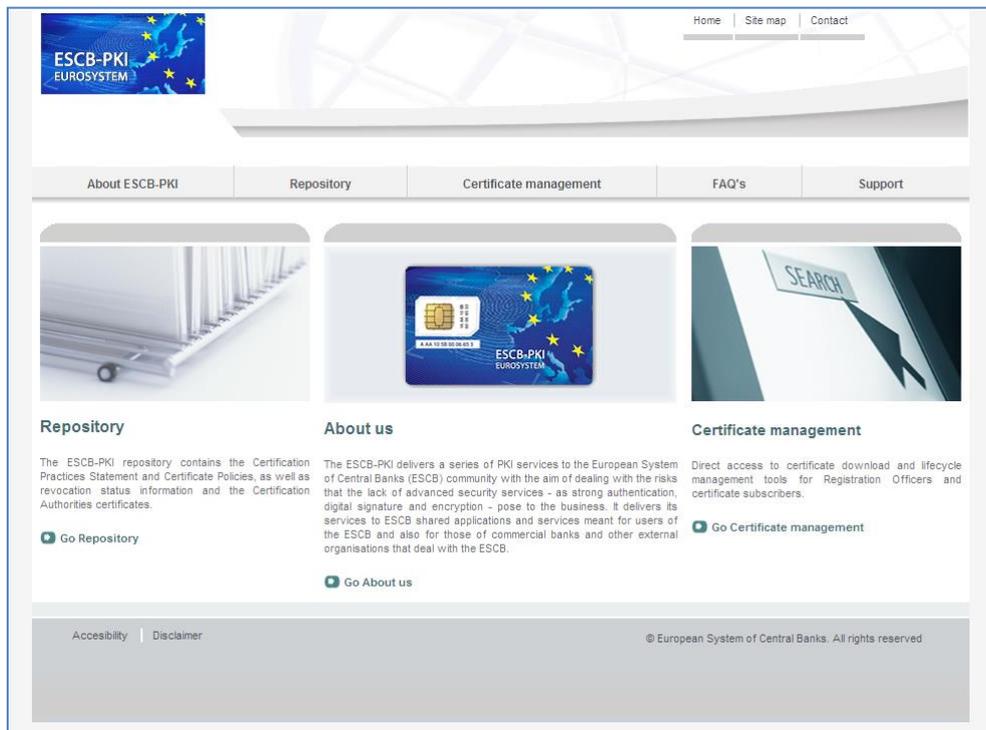


Figure 1 - ESCB-PKI Website

To access to the ESCB-PKI services, open your web browser and type the following URL address, <https://pki.escb.eu/>. You will find the following information:

- **About ESCB-PKI**                      Generic information with regards to the ESCB-PKI services
- **Repository**                              ESCB-PKI public information: Certificate Practice Statement (CPS) document, Certificate Policy (CP) documents, Certificate Authority (CA) certificates, Certificate Revocation Lists (CRLs), etc.
- **Certificate management**              ESCB-PKI Registration Authority application links and related guidelines
- **FAQ**    Frequently Asked Questions
- **Support**                                      Software needed to manage ESCB-PKI tokens and utilities to test ESCB-PKI certificates

## 2. THE REGISTRATION AUTHORITY APPLICATION

### 2.1. SYSTEM REQUIREMENTS

The following software is required to use the ESCB Registration Authority application:

- ESCB-PKI Smartcard drivers
- Native application required to manage certificates in a smart card.
- One of the following web extensions of your choice, according to your browser preferences:
  - Mozilla Firefox ESCB-PKI Certificate Enrollment extension.
  - Chrome and Edge ESCB-PKI Certificate Enrollment extension.

Instructions on the installation of the aforementioned software are available in the ESCB-PKI User guide - Browser configuration, which may be downloaded from the ESCB-PKI portal support area:

<https://pki.escb.eu/epkweb/en/support.html>

The following browsers have been thoroughly tested and are therefore recommended:

- Internet Explorer 11
- Google Chrome 94
- Mozilla Firefox 92
- Microsoft Edge 95

**Note.** - “JavaScript” and “Cookies” must be enabled in the web browser for the application to work properly.

### 2.2. LAYOUT

Please be aware that two different ESCB-PKI services environments are available to ESCB-PKI users: acceptance and production. Each environment has a different frame colour so the customer can easily see the difference and use the one that better suits their intended usage; furthermore, the acceptance environment includes the “acceptance” label in the upper right position indicating that the acceptance environment is the one being accessed.

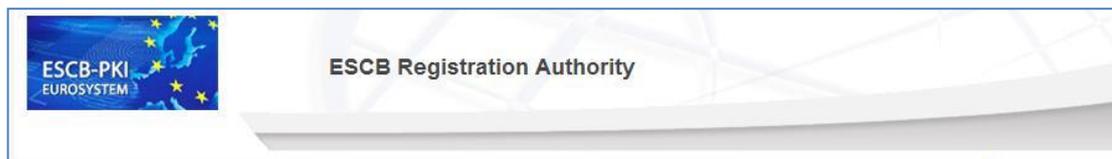


Figure 2 - Production frame



Figure 3 - Acceptance frame

After logging in the RA application, the following features are always available to the user:

- A menu on the left frame to facilitate quick access to all available options
- A **Logout** button in the upper-right corner to end the user session

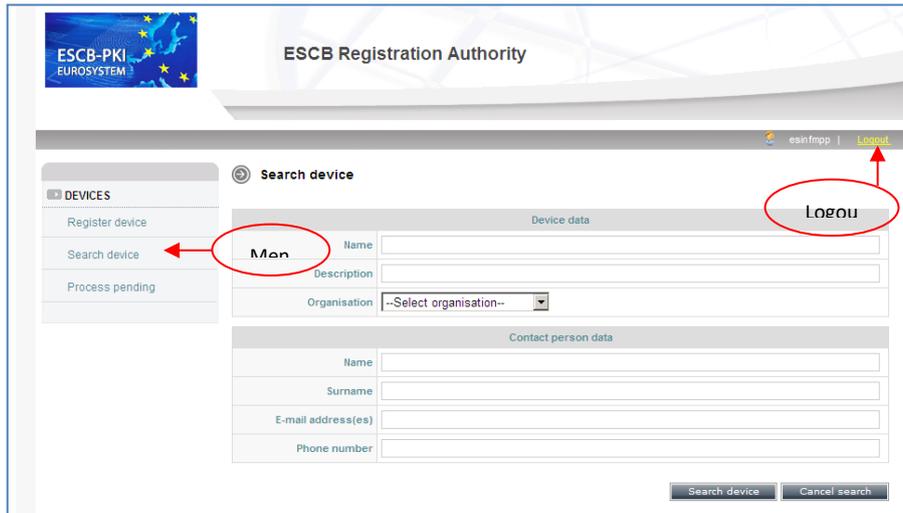


Figure 4 - Certificate Management

## 2.3. ACCESS

In the ESCB-PKI Website click on the **Certificate management** tab. This page contains the list of the ESCB-PKI services available. Click the **Access with certificate** link available in the **Certificate management and other role-based operations** section

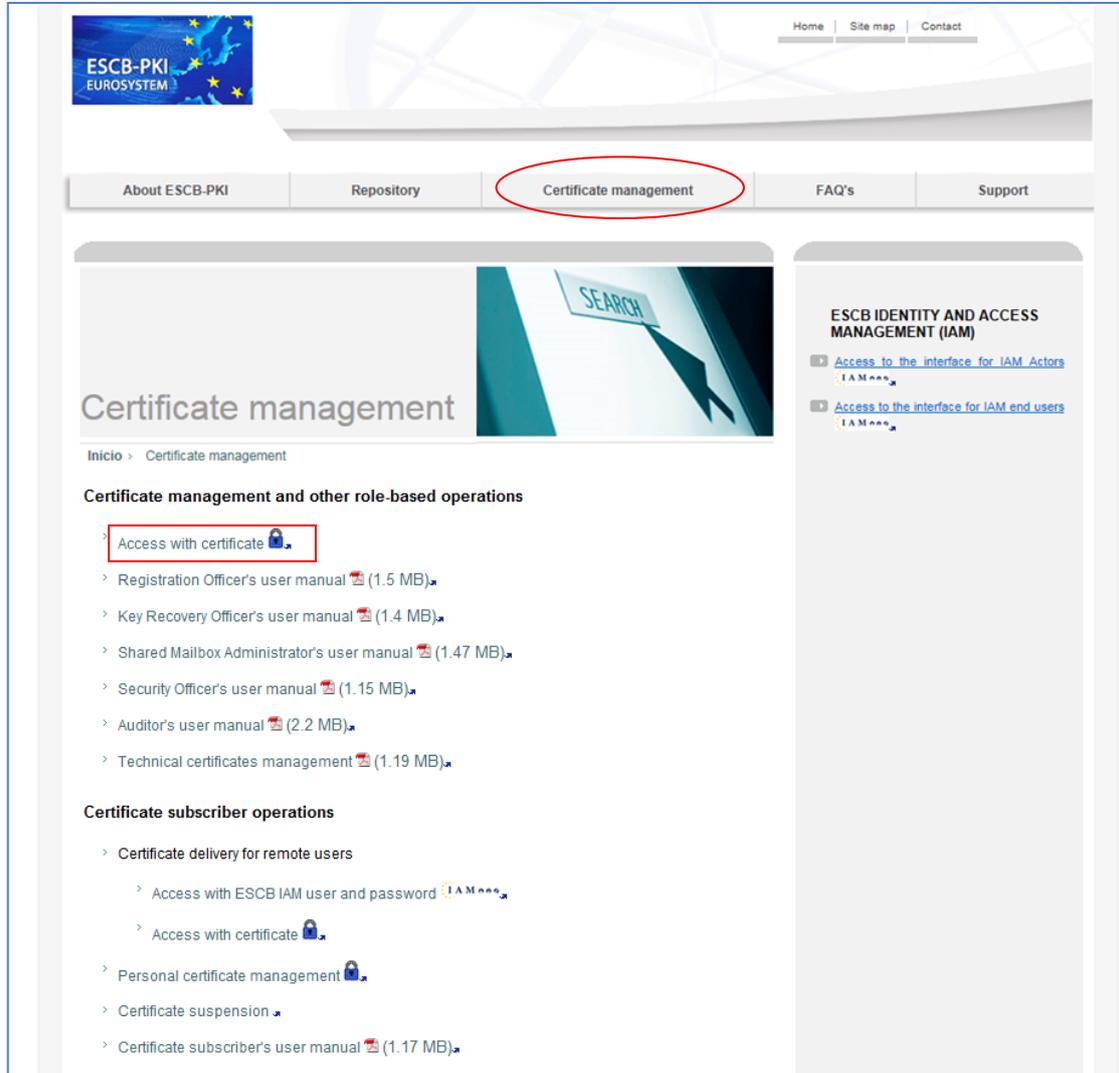


Figure 5 - ESCB-PKI Website - Registration Authority Application

### 3. ESCB-PKI RA: MANAGEMENT OF PERSONAL CERTIFICATE REQUESTS

Enter to the ESB-PKI Website and click the **Access with certificate** link available in the **Certificate management and other role-based operations** section. You must use an advanced CAF-compliant certificate (i.e. your ESCB-PKI certificate) to authenticate.

From this option you may:

- Review the list of users pertaining to your organisation which have applied for ESCB-PKI certificates. For every user in the list you may perform the following operations.
  - Check the registered personal data
  - Check the status of certificates and certificate requests
  - Create a new personal certificate request
- Create certificate requests for many users at once, under certain criteria
- Check your organisation’s pending certificate requests for personal certificates
- Review and obtain reports of the personal certificates and certificate requests that have been managed in your organisation.

#### Certificate management menu



Figure 6 - Certificate management

The following options will be available in the left frame menu:

- **Users > Search users** To select users from your Central Bank
- **Users > Multiple certificate requests** To create certificate requests at once for many users
- **Users > Pending Request** To show all personal certificate pending requests from your Central Bank
- **Audit > Certificates** To show the certificates from your Central Bank
- **Audit > Certificate Requests** To show the certificate requests from your Central Bank

Next sections of this chapter will further develop these menu options.

### 3.1. SEARCH USERS

From the **Search users** option you can find the list of users pertaining to your organisation which have applied for ESCB-PKI certificates. Several filtering criteria can be applied to narrow the search.

Figure 7 - Certificates management. Search user option

Press the **Search user** button

**Search User Result**

Detail	Name	Organisation	Email Address	ESCB UID	National Identity Number	Provisional request
	Actualizacion Prueba, Belga	Banco de España (ES)	qlorgx@correo.interno	estestbe	585458934538Y	
	Administrador, Usuario	Banco de España (ES)	a@a.es	t-esenduser.admin	0000000T	
	Alta, PruebaAlta1	Banco de España (ES)	qraqpbx@correo.interno	t-esprualt	30345432Y	
	AltaMod, PruebaAlta	Banco de España (ES)	qraqpbx@correo.interno	t-esqrbpx	50129876T	
	APELLIDOS CUATRO, Usuariocuatro	Banco de España (ES)	qaguspdx@correo.interno	t-esinfpr4	0000000T	
	APELLIDOS TRES, Usuariotres	Banco de España (ES)	miguelangel.pena@bde.es	t-esinfpr3		
	First surname Second surname, First Name Middle Name	Banco de España (ES)	name.surname@bde.es	eslocaluser	0000000T	
	Mail, Test	Banco de España (ES)	qlorgx@correo.interno	testmail		
	Prueba cambio botón, Usuario	Banco de España (ES)	utestboton@mail.com	utestboton	1111	
	SurnameOne SurnameTwo, FirstName MiddleName	Banco de España (ES)	jorge.milan@bde.es	t-esqfirstname	12345678	
	Testing, Testing Database	Banco de España (ES)	jorge.milan@bde.es	t-est-esxxurxo		

[Export XLS](#) [Details of search](#)

Figure 8 - Organisation user list

From this list you can:

- Select any specific user in order to check her/his certificates or her/his requests. Clicking the eye icon ( 👁 ) the user details will be displayed

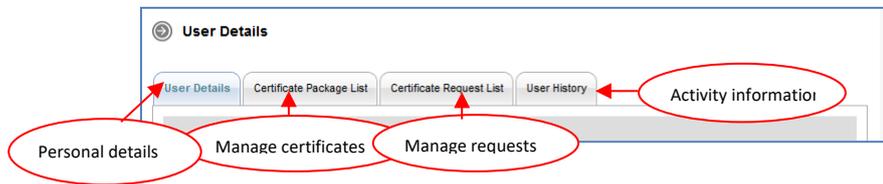


Figure 9 - User details

The following operations may be executed:

- Check personal details and request new personal certificates (User Details Tab)
- Check certificates (Certificate Package List Tab)
- Check requests (Certificate Request List Tab)
- Check the activity associated with the user (User History Tab)

### 3.1.1. USER DETAILS

Clicking this tab it displays the user attributes (first name, surname, user-id, etc.) and the information of the organisation he belongs to.

**User Details**

[User Details](#)
[Certificate Package List](#)
[Certificate Request List](#)
[User History](#)

Personal Data	
Escb User ID	t-esqrpbx
First Name	PruebaAlta
Middle name	
Surname	AltaMod
National Identity Number	50129876T
Birth Date	23/12/2000
Birth Place	

ESCB Data	
Escb User ID	t-esqrpbx
Email Address	jorge.millan@bde.es
Employee Number	123456
Local User	<input type="checkbox"/>
Domestic UID	qrbpx
Suffix	empresasexternas.bde.es
Organisation	Banco de España (ES)

[New request](#)
[Back to user list](#)

[Create a certificate request](#)

Figure 9 - User details

The **New request** button allows creating new certificate requests for the user. When the button is clicked, the “User Certificate Request” screen is shown:

**User Certificate Request**

User Information	
First Name	Millán Rodríguez, Jorge

Request Information	
*Certificate Package Type	ADMINISTRATOR
Serial Number	
*Issuance Type	<input type="radio"/> PRESENTIAL <input type="radio"/> REMOTE
*Operation Type	<input type="radio"/> REQUEST <input type="radio"/> EXPIRATION <input type="radio"/> KEYCOMPROMISE <input type="radio"/> SUPERSEDED

[Accept](#)
[Cancel request](#)

Figure 10 – New request

The following information has to be provided to initiate the request. This form is very similar to the IAM form:

- **Certificate Package Type:** Where any of the different types of personal certificate packages may be selected:
  - ADMINISTRATOR
  - ADVANCED, named “token” in the IAM personal certificate request form.
  - MOBILE DEVICE
  - SECURE EMAIL GATEWAY
  - STANDARD, named “software” in the IAM personal certificate request form.
- **Serial Number:** You may optionally enter the user token serial number.
- **Issuance Type:** Preference for the certificate delivery.
  - PRESENTIAL, named “FACE-TO-FACE” in the IAM personal certificate request form: with the RO support.
  - “REMOTE”: without the RO support.
- **Operation type:** choose the reason to request the certificate:
  - REQUEST: this is the first time that a certificate is being request for this user.
  - EXPIRATION: a previous certificate is about to expire. The old certificate will not be revoked.
  - KEY COMPROMISE: a new certificate is required because the private key associated to the previous one has been compromised. The old certificate will be revoked.
  - SUPERSEDED: the previous certificate has to be replaced before the expiration date (e.g. some affiliation data has been modified). The old certificate will not be revoked.

A given user can only have one type of certificate package active at the same time, so it is not possible to request a new certificate if the previous one is not near to its expiration day, unless the “key compromise” or “superseded” options are used.

In the “User Certificate Request” screen, when the “Register request” button is clicked, the certificate request detail is shown:

➔ **Certificate Package Request Detail**

Request detail
Request history

User Information	
Name	Millán Rodríguez, Jorge
Person who approves the request	
Name	Millán Rodríguez, Jorge
E-mail	jorge.millan@bde.es
Certificate Package Request Detail	
Request Number	20180828-000000000000000000004218
Certificate Package Type	PERSONAL: MOBILE DEVICE
Request Status	RO PENDING
Issuance Type	PRESENTIAL
Operation Type	REQUEST
Request Date	28/08/2018

Back to user request list
Back to pending request list

Figure 11 – Request detail

3.1.2. CERTIFICATE PACKAGE LIST

This tab shows all ESCB-PKI certificates currently associated with the user and the status of these certificates. Possible statuses are:

- **Active** Certificates are valid
- **Revoked** Certificates cannot be used any more
- **Suspended** Certificates have been temporarily invalidated
- **Damaged** Certificates have been replaced due to damage (e.g. broken token)
- **Renewed** Certificates have been replaced due to expiration

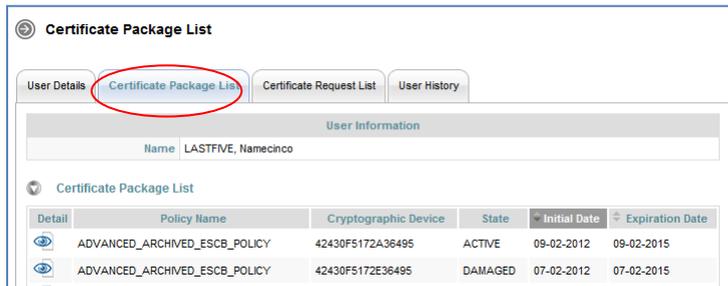


Figure 12 - Certificate list

Certificates are grouped into “packages”. A certificate package is a collection of certificates defined by a Certificate Policy; for instance, the “*advanced\_archived*” certificate package will contain the following certificates: advanced authentication, advanced signature and advanced encryption (with key recovery) certificates.

Clicking a certificate package you can have access to the certificate details, where no operations are available but checking the certificate package history:

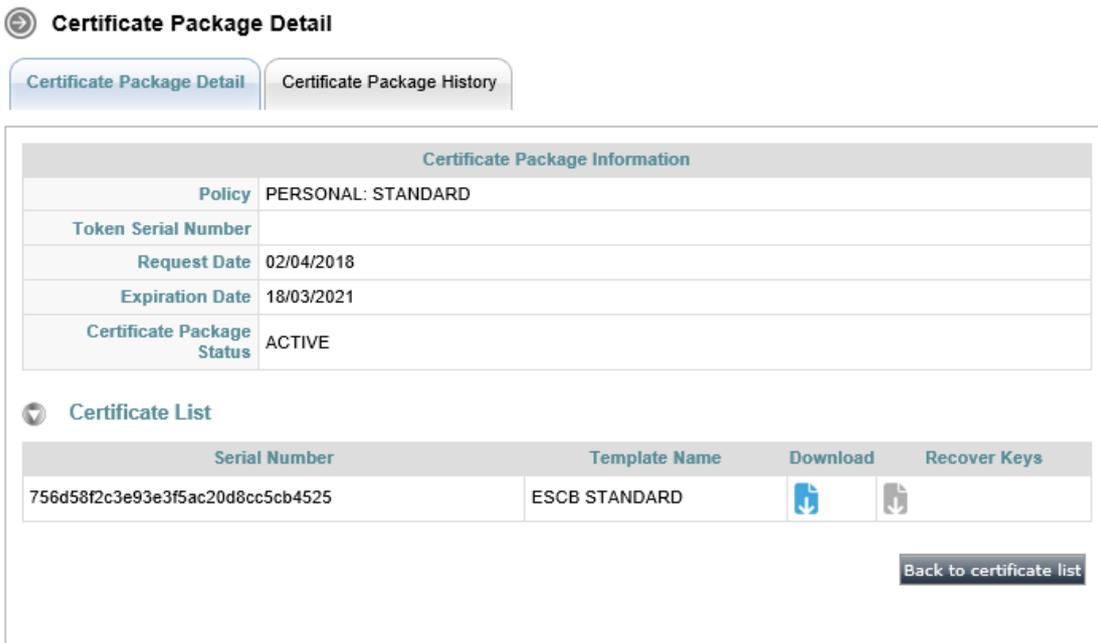
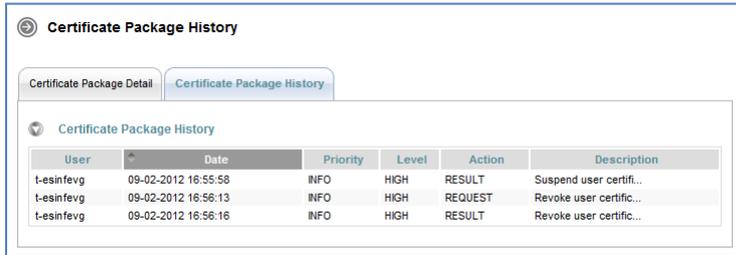


Figure 13 - Certificate details

- **Certificate Package History** This tab shows the activity associated with this certificate package.



The screenshot shows a web interface with two tabs: 'Certificate Package Detail' and 'Certificate Package History'. The 'Certificate Package History' tab is active and displays a table of activity. The table has columns for User, Date, Priority, Level, Action, and Description. The data rows show three entries for user 't-esinfvg' on 09-02-2012, involving actions like 'Suspend user certifi...', 'Revoke user certifi...', and another 'Revoke user certifi...'.

User	Date	Priority	Level	Action	Description
t-esinfvg	09-02-2012 16:55:58	INFO	HIGH	RESULT	Suspend user certifi...
t-esinfvg	09-02-2012 16:56:13	INFO	HIGH	REQUEST	Revoke user certifi...
t-esinfvg	09-02-2012 16:56:16	INFO	HIGH	RESULT	Revoke user certifi...

Figure 14 - Certificate activity

### 3.1.3. CERTIFICATE REQUEST LIST

This tab displays all certificate requests that currently belong to the user together with the status of these certificates:

- **Completed**            The request has been processed and the certificates have been generated
- **Cancelled**            The request has been cancelled
- **Expired**                The request has expired
- **RO-Pending**         The RO shall still process the request
- **User-Pending**        The user can generate and download the certificates. The RO has already handled the request and has allowed a remote download

Detail	Certificate Package Type	Request Status	Request Date	IssuanceType	Operation Type
	STANDARD	CANCELLED	13-02-2012 15:45:28	PRESENTIAL	REQUEST
	ADVANCED	COMPLETED	10-02-2012 08:30:26	PRESENTIAL	KEYCOMPROMISE
	ADVANCED	COMPLETED	09-02-2012 12:52:49	PRESENTIAL	KEYCOMPROMISE
	STANDARD	COMPLETED	08-02-2012 15:11:14	PRESENTIAL	KEYCOMPROMISE
	ADVANCED	COMPLETED	08-02-2012 14:58:19	PRESENTIAL	KEYCOMPROMISE
	ADVANCED	COMPLETED	07-02-2012 17:03:48	PRESENTIAL	KEYCOMPROMISE
	ADVANCED	COMPLETED	07-02-2012 16:55:20	PRESENTIAL	KEYCOMPROMISE
	ADVANCED	COMPLETED	07-02-2012 15:59:41	REMOTE	KEYCOMPROMISE
	STANDARD	COMPLETED	07-02-2012 15:56:10	PRESENTIAL	KEYCOMPROMISE
	STANDARD	COMPLETED	07-02-2012 15:55:10	PRESENTIAL	KEYCOMPROMISE

Figure 15 - Certificate requests list

Clicking the  button the details of the certificate request are displayed, where no operations are available but checking the certificate package request history:

**➔ Certificate Package Request Detail**

Request detail | Request history

User Information	
Name	Millán Rodríguez, Jorge

Person who approves the request	
Name	Millán Rodríguez, Jorge
E-mail	jorge.millan@bde.es

Certificate Package Request Detail	
Request Number	20180828-0000000000000000004218
Certificate Package Type	PERSONAL: MOBILE DEVICE
Request Status	RO PENDING
Issuance Type	PRESENTIAL
Operation Type	REQUEST
Request Date	28/08/2018

[Back to user request list](#) | [Back to pending request list](#)

Figure 16 - Certificate request details

- **Request history** This tab shows the activity associated to this certificate package.

**➔ Certificate Package Request History**

Request detail | Request history

Request history

User	Date	Priority	Level	Action	Description
t-esinfmpp	01-02-2012 10:00:51	INFO	MEDIUM	REQUEST	Enable remote downlo...
t-esinfmpp	01-02-2012 10:00:46	INFO	MEDIUM	RESULT	Load information of ...
t-esinfmpp	01-02-2012 10:00:46	INFO	MEDIUM	REQUEST	Load information of ...
iam	01-02-2012 10:00:16	INFO	MEDIUM	RESULT	User certificate pac...

Figure 17 - Request activity

### 3.1.4. USER HISTORY

Displays all the activity related to the user.

The screenshot shows a web interface titled "User History" with a navigation bar containing "User Details", "Certificate Package List", "Certificate Request List", and "User History". Below the navigation bar is a table with the following data:

User	Date	Priority	Level	Action	Description
t-esinfmpp	03-02-2012 15:50:57	INFO	MEDIUM	RESULT	Register certificate...
t-esinfmpp	01-02-2012 10:00:51	INFO	MEDIUM	RESULT	Enable remote downlo...
t-esinfmpp	01-02-2012 10:00:51	INFO	MEDIUM	REQUEST	Enable remote downlo...
t-esinfmpp	01-02-2012 10:00:46	INFO	MEDIUM	RESULT	Load information of ...
t-esinfmpp	01-02-2012 10:00:46	INFO	MEDIUM	REQUEST	Load information of ...
iam	01-02-2012 10:00:16	INFO	MEDIUM	RESULT	User certificate pac...
t-esinfmpp	01-02-2012 08:16:21	INFO	HIGH	RESULT	Issue ADVANCED certi...
t-esinfmpp	01-02-2012 08:16:13	INFO	HIGH	REQUEST	Issue ADVANCED certi...
t-esinfmpp	01-02-2012 08:14:12	INFO	MEDIUM	RESULT	Begin ADVANCED certi...
t-esinfmpp	01-02-2012 08:14:12	INFO	MEDIUM	REQUEST	Begin ADVANCED certi...
t-esinfmpp	01-02-2012 08:14:09	INFO	MEDIUM	RESULT	Load information of ...
t-esinfmpp	01-02-2012 08:14:08	INFO	MEDIUM	REQUEST	Load information of ...
t-esinfmpp	01-02-2012 08:14:02	INFO	MEDIUM	RESULT	Register certificate...
t-esinfmpp	01-02-2012 08:13:13	INFO	MEDIUM	RESULT	Cancel certificate p...
t-esinfmpp	01-02-2012 08:13:13	INFO	MEDIUM	REQUEST	Cancel certificate p...

At the bottom of the table, there is a pagination control showing "1 | 2 | 3".

Figure 18 - User activity

### 3.2. MULTIPLE CERTIFICATE REQUESTS

From the **Multiple certificate requests** option you can request certificates for many users at once. The following options are available:

 **Search Advance User**



**Certificate request type, read carefully:**

- If you select the first option, it will generate certificate request for users with certificates revoked, suspended or expired.
- If you select the second option, it will generate certificate request for users without certificates.
- If you select the third option, it will generate expiration certificate request.

Certificate Data	
*Organisation 	Banco de España (ES)
*Certificate package type	PERSONAL: ADMINISTRATOR PERSONAL: ADVANCED WITH STANDARD ENCIIPHERMENT PERSONAL: MOBILE DEVICE PERSONAL: NON-ARCHIVED ADVANCED PERSONAL: SECURE EMAIL GATEWAY PERSONAL: STANDARD PERSONAL: NON-ARCHIVED ADVANCED (EXTERNAL) PERSONAL: STANDARD (EXTERNAL)
Certificate Requets Data	
*Certificate request 	<input checked="" type="radio"/> Request certificates for former ESCB-PKI users <input type="radio"/> Request certificates for new ESCB-PKI users <input type="radio"/> Request renewal for expiring certificates

Search
Cancel search

Figure 19 – Multiple certificate requests

- **Request certificates for former ESCB-PKI users** will create a certificate request for all users with revoked, suspended or expired certificates matching the organisation and certificate packages selected.
- **Request certificates for new ESCB-PKI users** will create a certificate request for all users who never have had certificates matching the organisation and certificate packages selected.
- **Request renewal for expiring certificates** will create a renewal certificate request with operation type EXPIRATION for all users matching the organisation, certificate packages selected and in with their certificates in the near expiration period.

In all cases, no request will be created if the organisation is not allowed to request the selected certificate package type. For instance, requesting PERSONAL: STANDARD certificates for an external organisation will be rejected (in that case, PERSONAL: STANDARD (EXTERNAL) should be selected instead).

Clicking the button **Search** will show the users matching the conditions:

**Search Advance User Result**

Detail	Name	Organisation	Email Address	ESCB UID	National Identity Number
	FOR AUDIT, TEST USER	ESDUMMY	87268@empresas-externas.bde.es	t-estestuseraudit	12345678Z
	UID de usuario externo, Prueba validacion	ESDUMMY	miguelangelpenapinon@gmail.com	t-est-esprueba1	00000000T

Export XLS Register massive request Details of advance search

Figure 20 – Multiple certificate request detail

Clicking the button Register massive request will show the warning below:

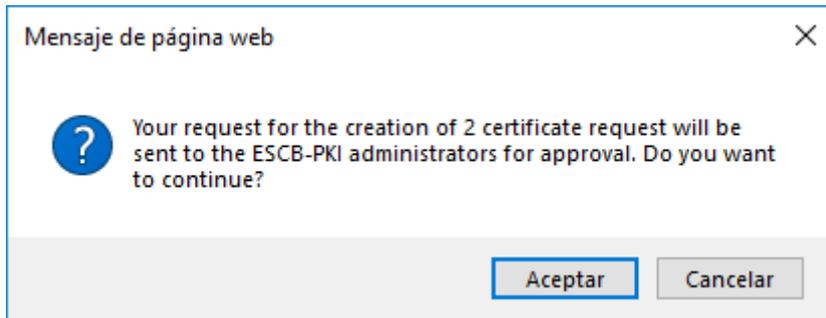


Figure 21 – Warning to the Personal Certificate Requestor

Accepting the warning will create a request for all the users in the previous list. Any request created using this procedure will not be immediately available to be processed neither by the Registration Officer or the user, nor will they be notified yet. These requests will be pending the validation from the ESCB-PKI administrators, whom you may contact with using the service mailbox [escb-pki@pki.escb.eu](mailto:escb-pki@pki.escb.eu).

Finally, a confirmation message is shown when the certificate requests are created:



Figure 22 – Multiple certificate request creation confirmation

### 3.3. PENDING REQUEST LIST OPTION

From the **Pending request list** option you can access to all pending requests for your Central Bank.

Detail	User Name	Organisation Name	Request Date
	ESPAÑOL ONE, Fulanto	Banco de España(ES)	20-01-2012 13:33:33
	ESPAÑOL DOS, Fulanto Dos	Banco de España(ES)	20-01-2012 13:23:02

Figure 23 - Pending requests list

Clicking the button further details of the request will be displayed

**Certificate Package Request Detail**

Request detail | Request history

**User Information**

Name: APELLIDOS TRES, Usuariotres

**Requestor details**

Requestor name: apellido apellido, nombre  
Requestor mail: e-mail @correo.interno

**Certificate Package Request Detail**

Certificate Package Type: STANDARD  
Request Status: RO PENDING  
Issuance Type: PRESENTIAL  
Operation Type: KEYCOMPROMISE  
Request Date: 13/02/2012

Remote download | Download | Terms and conditions | Cancel request

Back to request list | Back to pending request list

Figure 24 - Request detail

The status of the request can be:

- **RO-Pending**      The RO shall process the request
- **User-Pending**      The user can generate and download the certificates. The RO has already handled the request and has allowed a remote download

You may select the following operations:

- **Back to user request list**      To go back to the selected user requests list
- **Back to pending requests list**      To go back to your organisation pending requests list
- **Request history**      Check the activity associated to the request

### 3.4. CERTIFICATES AUDIT

From the **Audit > Certificates** option you can access to the information about the personal certificates issued for your Central Bank.

**Search Certificate**

Certificate Data	
Issuance date	From <input type="text"/>  To <input type="text"/> 
Expiration date	From <input type="text"/>  To <input type="text"/> 
Subscriber (ESCB userid / Device)	<input type="text"/>
Subscriber type	<input type="checkbox"/> ESCB Users <input type="checkbox"/> Non ESCB Users
Status	<input type="checkbox"/> Active <input type="checkbox"/> Suspended <input type="checkbox"/> Revoked <input type="checkbox"/> Renewed <input type="checkbox"/> Damaged <input type="checkbox"/> Expired
Organisation	<input type="text" value="Banco de España (ES)"/>
Certificate package type	<ul style="list-style-type: none"> <li>PERSONAL: ADMINISTRATOR</li> <li>PERSONAL: ADMINISTRATOR PROVISIONAL</li> <li>PERSONAL: ADVANCED PROVISIONAL</li> <li>PERSONAL: ADVANCED WITH STANDARD ENCIPHERMENT</li> <li>PERSONAL: ARCHIVED ADVANCED</li> <li>PERSONAL: ARCHIVED QUALIFIED</li> <li>PERSONAL: MOBILE DEVICE</li> <li>PERSONAL: NON-ARCHIVED ADVANCED</li> </ul>
Certificate events	
Who (ESCB userid)	<input type="text"/>
What (action)	<input type="text" value="Status change"/> <input type="text" value="Certificate issuance"/>
When	From <input type="text"/>  To <input type="text"/> 

Figure 25 - Search certificates

Clicking the Search button shows the certificates that meet the search criteria

 **Certificate list**

Detail	Subscriber	Policy Name	State	Initial Date	Expiration Date
	t-esqjorge	PERSONAL: STANDARD	Active	02-04-2018 13:00:32	18-03-2021 15:50:25
	t-esinflc	PERSONAL: ADVANCED WITH STANDARD ENCIPHERMENT	Active	23-11-2017 13:06:12	23-11-2020 13:06:12
	t-esqjorge	PERSONAL: ADVANCED PROVISIONAL	Expired	16-10-2017 15:22:33	16-10-2017 23:58:59
	qaguspx	PERSONAL: STANDARD	Active	06-10-2017 07:45:10	06-10-2020 07:45:10
	t-esqjorge	PERSONAL: QUALIFIED WITH STANDARD ENCIPHERMENT TEST	Suspended	11-07-2017 10:21:36	11-07-2020 10:21:36
	t-esqjorge	PERSONAL: ADVANCED WITH STANDARD ENCIPHERMENT	Revoked	11-07-2017 10:17:33	11-07-2020 10:17:33
	t-esqxurxo	PERSONAL: ADVANCED PROVISIONAL	Revoked	16-06-2017 12:34:19	16-06-2017 23:58:59
	t-esqxurxo	PERSONAL: ADVANCED PROVISIONAL	Expired	12-05-2017 10:00:27	14-05-2017 23:58:59
	t-esqrpbx	PERSONAL: ADMINISTRATOR PROVISIONAL	Expired	09-05-2017 12:37:22	09-05-2017 23:58:59
	t-esqrpbx	PERSONAL: ADMINISTRATOR	Active	09-05-2017 12:34:00	09-05-2020 12:34:00
	t-esqrpbx	PERSONAL: SECURE EMAIL GATEWAY	Suspended	09-05-2017 12:32:53	09-05-2020 12:32:53
	qjorgex	PERSONAL: ADMINISTRATOR PROVISIONAL	Expired	09-05-2017 11:44:40	09-05-2017 23:58:59
	qjorgex	PERSONAL: SECURE EMAIL GATEWAY	Active	09-05-2017 11:41:44	09-05-2020 11:41:44
	qjorgex	PERSONAL: MOBILE DEVICE	Revoked	09-05-2017 11:41:16	09-05-2020 11:41:16
	qjorgex	PERSONAL: ADMINISTRATOR	Damaged	09-05-2017 11:40:08	09-05-2020 11:40:08
	qjorgex	PERSONAL: ADMINISTRATOR	Revoked	09-05-2017 11:36:13	09-05-2020 11:36:13
	qjorgex	PERSONAL: SECURE EMAIL GATEWAY	Revoked	09-05-2017 11:35:04	09-05-2020 11:35:04
	qjorgex	PERSONAL: MOBILE DEVICE	Revoked	09-05-2017 11:33:40	09-05-2020 11:33:40
	qjorgex	PERSONAL: SECURE EMAIL GATEWAY	Damaged	09-05-2017 11:30:01	09-05-2020 11:30:01
	qjorgex	PERSONAL: ADMINISTRATOR	Damaged	09-05-2017 11:29:13	09-05-2020 11:29:13

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 ▶ ▶

[ExportXLS](#) [Details of Search](#)

Figure 26 - Certificates list

The **Export XLS** button generates an Excel document with the details of all the certificates meeting the search criteria.

Click the  button to see the details of a certificate from the list.

### 3.5. CERTIFICATE REQUESTS AUDIT

From the **Audit > Certificate requests** option you can access to the information about the personal certificate requests generated at your Central Bank.

**Search Certificate Request**

Certificate request data	
Request date	From <input type="text"/> To <input type="text"/>
Subscriber (ESCB userid / Device)	<input type="text"/>
Subscriber type	<input type="checkbox"/> ESCB Users <input type="checkbox"/> Non ESCB Users
Status	<input type="checkbox"/> RO Pending <input type="checkbox"/> User Pending <input type="checkbox"/> Administrator Pending <input type="checkbox"/> Completed <input type="checkbox"/> Completed with error <input type="checkbox"/> Cancelled <input type="checkbox"/> Expired
Organisation	<input type="text" value="Banco de España (ES)"/>
Request reason	<input type="checkbox"/> Request <input type="checkbox"/> Expiration <input type="checkbox"/> Key compromise <input type="checkbox"/> Superseded
Certificate package type	<input type="checkbox"/> Standard <input type="checkbox"/> Advanced <input type="checkbox"/> Mobile Device <input type="checkbox"/> Gateway <input type="checkbox"/> Administration <input type="checkbox"/> Shared Mailbox <input type="checkbox"/> Provisional
Certificate request events	
Who (ESCB userid)	<input type="text"/>
What (action)	Request creation Request modification Status change Certificate issuance Terms and conditions
When	From <input type="text"/> To <input type="text"/>

Figure 27 - Search certificate requests

Clicking the Search button shows the certificate requests that meet the search criteria

 **Certificate request list**

Detail	Subscriber	Subscriber Type	Certificate Package Type	Request Status	Request Date	Request Reason
	t-esqjorge	ESCB Users	Mobile Device	RO Pending	28-08-2018 12:24:59	Request
	t-esqrpbx	ESCB Users	Provisional	RO Pending	23-08-2018 14:35:27	Request
	t-esqxurxo	ESCB Users	Advanced	RO Pending	22-08-2018 11:29:36	Request
	t-esqxurxo	ESCB Users	Advanced	Cancelled	22-08-2018 11:12:53	Request
	t-esxxurxo	ESCB Users	Advanced	RO Pending	17-08-2018 10:05:35	Request
	t-esenduser.admin	ESCB Users	Standard	RO Pending	07-08-2018 11:41:11	Key compromise
	t-esqrpbx	ESCB Users	Gateway	RO Pending	07-08-2018 11:34:00	Key compromise
	t-esqjorge	ESCB Users	Administration	Cancelled	26-07-2018 10:11:52	Superseded
	t-esqjorge	ESCB Users	Advanced	RO Pending	04-04-2018 12:54:58	Key compromise
	t-esuseriamescb	ESCB Users	Provisional	Cancelled	04-04-2018 12:34:22	Request
	t-esqjorge	ESCB Users	Advanced	Cancelled	03-04-2018 12:20:47	Key compromise
	t-esqjorge	ESCB Users	Standard	Completed	02-04-2018 12:57:39	Superseded
	t-esqrpbx	ESCB Users	Standard	RO Pending	22-03-2018 15:48:12	Request
	t-espruall	ESCB Users	Standard	RO Pending	22-03-2018 15:39:19	Request
	t-esinflc	ESCB Users	Advanced	Completed	23-11-2017 13:02:46	Request
	inflc	ESCB Users	Advanced	Cancelled	23-11-2017 12:54:25	Request
	t-esqjorge	ESCB Users	Provisional	Completed	16-10-2017 10:20:16	Request
	qaguspdx	ESCB Users	Standard	Completed	03-10-2017 17:05:43	Request
	t-esqjorge	ESCB Users	Advanced	Completed	11-07-2017 10:20:01	Key compromise
	t-esqjorge	ESCB Users	Advanced	Completed	11-07-2017 10:16:00	Request

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8  

[Export XLS](#) [Details of Search](#)

Figure 28 - Certificate requests list

The **Export XLS** button generates an Excel document with the details of all the certificate requests meeting the search criteria.

Click the  button to see the details of a certificate request from the list.

## 4. MORE INFORMATION ABOUT ESCB-PKI

For further information see the ESCB-PKI Website, <https://pki.escb.eu/> (you may want to bookmark this site for future references). The Frequently Asked Questions (FAQ) section will be your best source of support information.

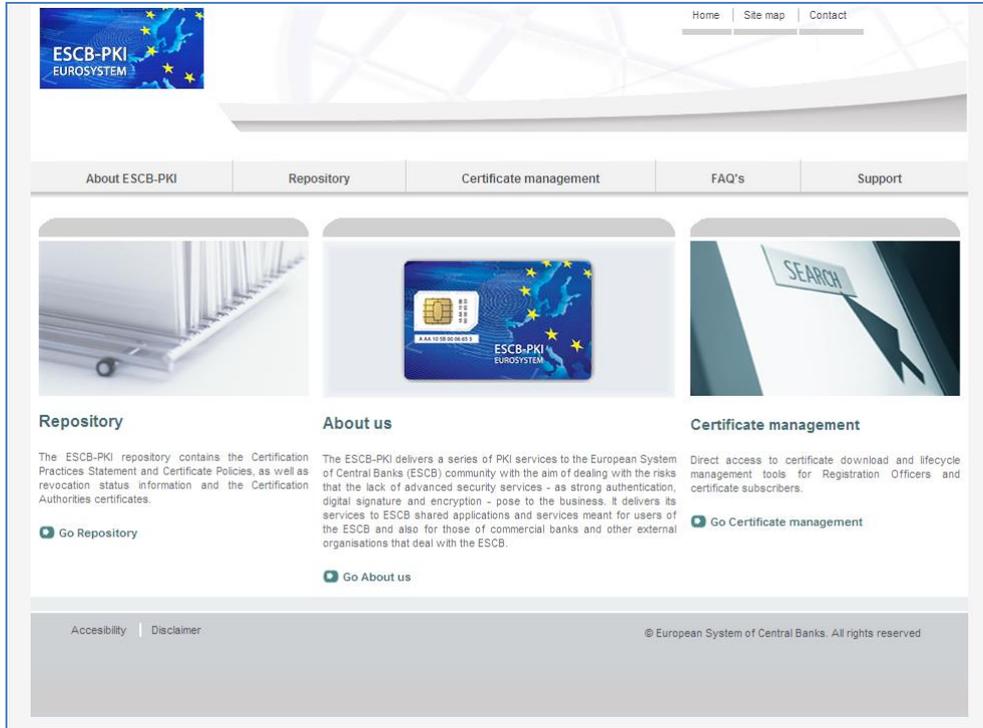


Figure 29 - ESCB-PKI Website

In the ESCB-PKI Website you will find the following information:

- **About ESCB-PKI**                      Generic information with regards to the ESCB-PKI services.
- **Repository**                              ESCB-PKI public information: Certificate Practice Statement (CPS) document, Certificate Policy (CP) documents, Certificate Authority certificates, CRLs, etc.
- **Certificate management**              ESCB-PKI Registration Authority tool.
- **FAQ**                                        Frequently asked questions.
- **Support**                                    Software needed to manage ESCB-PKI tokens and utilities to test ESCB-PKI certificates.

**Note:** The last version of this document can be found in the ESCB-PKI Website, along with other ESCB-PKI guides and manuals.