

ESCB-PKI: ROLES USED IN ALL NCBS AND THE ECB						
IAM roles required to manage ESCB-PKI certificates						
Name used in the IAM documentation	Responsibilities	Recommended Profile	Tools	IAM IDM Role	Non compatible Roles	Enforced by IAM IDM
IAM Local Authoriser	Authorises personal certificate requests		IAM IDM	ESCB-PKI_PersonalCertificateAuthoriser ⁽¹⁾	None	N/A
Generic roles						
Name used in the ESCB-PKI documentation	Responsibilities	Recommended Profile	Tools	IAM IDM Role	Non compatible Roles	Enforced by IAM IDM
Security Officer	Defines the appropriate configuration settings according to the CB preferences. Will be the contact person(s) with the ESCB-PKI team to define and configure the local settings.	Technical /IT security	e-mail	ESCB-PKI_SecurityOfficer ⁽²⁾	ESCB-PKI_Auditor ESCB-PKI_AuditorForExternalOrganisation	Yes Yes
Cryptographic Token requestor	They request secure tokens to the ESCB-PKI service provider. The Service provider will provide Central Banks with cryptographic tokens (for ESCB and non ESCB users) upon request.	Administrative	e-mail	ESCB-PKI_CryptographicTokenRequestor ⁽³⁾	None	NA
Local Service Desk	Ensures the first tier of support for internal and external users	Help Desk	Local HD Tool	ESCB-PKI_LocalServiceDesk ⁽³⁾	None	NA
Roles needed to manage non ESCB user's certificates						
Name used in the ESCB-PKI documentation	Responsibilities	Recommended Profile	Tools	IAM IDM Role	Non compatible Roles	Enforced by IAM IDM
Registration Officer for External Organisations	Responsible of identifying certificate subscribers (non ESCB users), validating the documentation required during the identification process, gathering all the information necessary to issue the public key certificate and finally allowing the user to retrieve the certificate.	Administrative	ESCB-PKI RA Tool	ESCB-PKI_RegistrationOfficerForExternalOrganisations	IAM Identity Administrator ESCB-PKI_AuditorForExternalOrganisation	NO ⁽⁴⁾ Yes
Auditor for external Organisations	They are in charge of verifying that the Ros in charge of issuing certificates for non ESCB users (see previous role) perform their tasks in accordance to the rules defined in the CPS and the corresponding CPs	Internal Auditor	ESCB-PKI RA Tool	ESCB-PKI_AuditorForExternalOrganisations	ESCB-PKI_RegistrationOfficerForExternalOrganisations ESCB-PKI_SecurityOfficer	Yes Yes

(1) Not eligible. Currently is automatically granted to IAM Local Authorisers
 (2) Some settings can be configured in the ESCB-PKI RA tool. But initially this task will be performed by the Service Provider (BdE) on behalf of the CB
 (3) In the short term, some information/functionality will be provided to this role using the ESCB-PKI Web application
 (4) Must be solved locally via organisational procedures and controls

ESCB-PKI: OPTIONAL ROLES						
Roles needed to manage CB user's certificates						
Name used in the ESCB-PKI documentation	Responsibilities	Recommended Profile	Tools	IAM IDM Role	Non compatible roles	Enforced by IAM IDM
Registration Officer ⁽¹⁾	Responsible of identifying certificate subscribers (CB users), validating the documentation required during the identification process, gathering all the information necessary to issue the public key certificate and finally allowing the user to retrieve the certificate.	Administrative	ESCB-PKI RA Tool	ESCB-PKI_RegistOfficer ⁽¹⁾	IAM Identity Administrator ESCB-PKI_Auditor ⁽¹⁾ ESCB-PKI_PersonalCertificateRequestor ^(1,2) ESCB-PKI_LocalIdentityAdministrator ^(1,2)	NO ⁽⁴⁾ Yes Yes Yes
Auditor ⁽¹⁾	They are in charge of verifying that the local Registration Officers (ROs in charge of issuing certificates for CB users and/or components) perform their tasks in accordance to the rules defined in the CPS and the corresponding CPs	Internal Auditor	ESCB-PKI RA Tool	ESCB-PKI_Auditor ⁽¹⁾	ESCB-PKI_SecurityOfficer ESCB-PKI_RegistOfficer ⁽¹⁾ ESCB-PKI_RegistrationOfficerForTechnicalComponent ESCB-PKI_TechnicalCertificateSubscriber ESCB-PKI_LocalIdentityAdministrator ^(1,2) ESCB-PKI_PersonalCertificateRequestor ^(1,2)	Yes Yes Yes Yes Yes
Key Recovery Officer ⁽⁴⁾	They participate during the recovery of encryption key pairs from the Key Archive, when the owner of the key pair is not present. At least two Key Recovery Officers must participate	Administrative or Internal Auditor	ESCB-PKI RA Tool	ESCB-PKI_KeyRecoveryOfficer	None	N/A
Certificate Subscriber	They are the end users from the Central Bank (ESCB user) for which a certificate has been issued by the ESCB-PKI.	NA	ESCB-PKI RA Tool	None	None	N/A
Roles needed to manage CB technical component's certificates						
Name used in the ESCB-PKI documentation	Responsibilities	Recommended Profile	Tools	IAM IDM Role	Non compatible roles	Enforced by IAM IDM
Registration Officer for Technical components	They are in charge of approving or rejecting certification requests for technical components that have been carried out by Technical Certificate Subscribers	Administrative	ESCB-PKI RA Tool	ESCB-PKI_RegistrationOfficerForTechnicalComponents	ESCB-PKI_Auditor	Yes
Technical Certificate Subscriber	They are in charge of requesting and retrieving certificates for technical components (e.g. servers, SSL accelerators, applications, etc.).	Technical skills required	ESCB-PKI RA Tool	ESCB-PKI_TechnicalCertificateSubscriber	ESCB-PKI_Auditor	Yes
Shared Mailbox Administrator	They are in charge of defining in the ESCB-PKI system the attributes of those shared mailboxes that require an electronic certificate.	Administrative	ESCB-PKI RA Tool	ESCB-PKI_SharedMailboxAdmin	None	N/A

(1) There is another role suffixed by "ForExternalOrganisations" (or "AEO") with management scope of users from external organisations registered under the Central Bank, excluding the CB itself
 (2) Only required if the CB is using ESCB-PKI for local usage (see the table below)
 (3) Must be solved locally via organisational procedures and controls
 (4) This role is optional. Will be required if the key recovery feature is requested by the CB. In that case, at least two different persons must have this role.

ESCB-PKI: ROLES NEEDED IF THE CB IS USING ESCB-PKI FOR LOCAL USAGE						
Roles needed to manage LOCAL CB user's certificates						
Name used in the ESCB-PKI documentation	Responsibilities	Recommended Profile	Tools	IAM IDM Role	Non compatible roles	Enforced by IAM IDM
Local Identity Administrator ⁽¹⁾	Create/update CB user's personal data in the ESCB-PKI system	Administrative	ESCB-PKI RA Tool	ESCB-PKI_LocalIdentityAdministrator ⁽¹⁾	ESCB-PKI_RegistOfficer ⁽¹⁾ ESCB-PKI_Auditor ⁽¹⁾	Yes Yes
Personal Certificate Requestor ⁽¹⁾	Responsible of requesting certificates for CB internal users	Administrative	ESCB-PKI RA Tool	ESCB-PKI_PersonalCertificateRequestor ⁽¹⁾	ESCB-PKI_RegistOfficer ⁽¹⁾ ESCB-PKI_Auditor ⁽¹⁾	Yes Yes

(1) There is another role suffixed by "ForExternalOrganisations" (or "AEO") with management scope of users from external organisations registered under the Central Bank, excluding the CB itself