

ECMS | Reference data (Refresher training session)

Deutsche Bundesbank

Frankfurt am Main, May 2024

(Update 20.06.2024)

Title	ECMS | Reference data (Counterparties)
Objectives	Topic-based training on specific aspects of the ECMS application: <ul style="list-style-type: none">▪ Participants are familiar with and understand the role and rights concept of the ECMS.▪ Participants know which roles, rights and reference data are to be assigned to commercial banks.
Content	ECMS | Reference data <ul style="list-style-type: none">▪ ECMS | Roles and rights – 20 minutes▪ ECMS | Reference data – 70 minutes▪ Q&A – 30 minutes
Target group	For counterparties that work directly with roles, rights and reference data in the ECMS (for example, in the user roles “counterparty party administrator” or “counterparty (U2A) general reference data”).
Prior knowledge	All participants should have completed the basic ECMS basic training module as well as the “Access & GUI” training module.
General framework	<ul style="list-style-type: none">▪ Virtual training course (online)/hosted via WebEx▪ 120 minutes/maximum 500 participants/in German

Training materials

- We will provide you with the following training materials for this event:
Presentation slides # ECMS video(s).
- For data protection reasons, the training course will NOT be recorded.

Q&A

- Please feel free to ask questions or add to the discussion as we go along. A separate Q&A session will also be held at the end of each training course.
- If you have any questions or wish to say something, please use the chat function.

Training feedback

- When you were invited to this event, you were sent a link to a standardised and anonymised feedback form.
- Once the event has ended, please take a few moments to fill out the form and give us honest feedback on this training course. Thank you!

1. ECMS | Roles & rights

(basic concept, parties, party creation, user roles)

2. ECMS | Reference data

(business roles, users, accounts, pools, marketable assets, settlement possibilities and T2S relocation, interfaces, generic data)

1. Roles and rights

Basic concept (parties)

- Each legal entity interacting with the ECMS is defined as an **ECMS party**. Each party belongs to one of the following party types:

ECMS party	Legal entity
ECMS operator	<ul style="list-style-type: none">The party operating the ECMS (4CB).
NCB	<ul style="list-style-type: none">National central banks of the Eurosystem.
ECMS entity	<ul style="list-style-type: none">ECMS entities may have one or more of the following business roles:<ul style="list-style-type: none">counterpartycentral securities depository (CSD)triparty agent (TPA)cash correspondentbanking group managercreditornon-euro area CB

- The **ECMS operator's** responsibilities include **creating the parties for central banks** and **assigning business roles** to **CSDs** and **TPAs** on behalf of the NCBs.
- The **NCBs** are responsible for **creating** their counterparties and **assigning business roles** to the ECMS entities **counterparty, cash correspondent** and **non-euro area CB**.
- The **counterparties** are responsible for creating and managing their **own** users/roles/groups, for example.

- An **ECMS role** is a set of privileges (rights) granting the holder of that role the ability to trigger an ECMS user function. These user roles are predefined in the ECMS. In the ECMS, privileges are assigned exclusively via roles; it is not possible to assign privileges directly.
- Each system user* is assigned at least one of these **predefined user roles**. The resulting rights concern **business functions** that the user can perform in either “**read-only**” or “**execution**” mode.
- For each **NCB**, the ECMS operator assigns the role of **administrator** to a system user it has created. This administrator can create **additional system users** and give these their own rights via the predefined **U2A and A2A roles for NCBs**.
- The NCB administrator also creates at least one system user in the ECMS in the role of **administrator** for each (monetary policy) counterparty. This administrator can create **additional system users** for their organisation and give these their own rights via the predefined **U2A and A2A roles for counterparties**.

* As a general rule, system users can be:

- For U2A communication ==> an employee, e.g. of a counterparty or an NCB
- For A2A communication ==> an application, e.g. of a counterparty or an NCB

1. Roles and rights

Basic concept (2-eyes/4-eyes mode)

- You can use the ECMS in 2-eyes mode or 4-eyes mode depending on how the access rights are set up. The 2-eyes mode and the 4-eyes mode **apply to input screens** and to any kind of **deletion processes**. If you are a **4-eyes mode user**, your **actions have to be confirmed by a second user** in order to be processed.
- Each U2A user must be assigned either the **“2-eyes” or the “4-eyes” role**. From then onwards, the assigned privilege **applies for all roles with execution rights**.

1. Roles and rights

User roles (counterparties)

Role (user)	Description (simplified)	Variant
Counterparty (U2A) Party Administrator	Creates and manages their own users/roles/groups	Read only/execution
Counterparty (U2A) General Reference Data	Overview of reference data constellation for counterparty's data scope (e.g. party, accounts, settlement possibilities, etc.)	Read only
Counterparty (U2A) Marketable (De)Mobilisation Asset	Monitors and manages the counterparty's (de)mobilisation instructions for marketable assets	Read only/execution
Counterparty (U2A) Open Market Operations	Monitors the counterparty's open market operations	Read only
Counterparty (U2A) Standing Facilities	Manages or monitors the counterparty's marginal lending ("on request" and "automatic")	Read only/execution
Counterparty (U2A) Credit Line	Sets up and manages the counterparty's own maximum credit line	Read only/execution
Counterparty (U2A) Pool Position Management	Monitors the counterparty pool: user can see the pool overview, the pool valuation and pool position	Read only

... .. Overall, more than 20 different ECMS user roles are defined for counterparties.

If you have any questions or wish to say something,
please use the chat function.



1. ECMS | Roles and rights
(basic concept, parties, party creation, user roles)
2. **ECMS | Reference data**
(business roles, users, accounts, pools, marketable assets, settlement possibilities and T2S relocation, interfaces, generic data)



Where?

- Reference Data module
- Collateral and credit module for displaying pools



How?

- Reference data can be created, displayed and edited
- Some reference data can only be created/processed by the NCBs, e.g. ECMS parties



What?

- Creation, maintenance and displaying of reference data:
 - ECMS parties, business roles and users
 - Accounts and pools
 - Marketable assets
 - Settlement possibilities and T2S relocation
 - Counterparty-specific reference data
 - Generic reference data
 - Interfaces
 - NCB business parameters



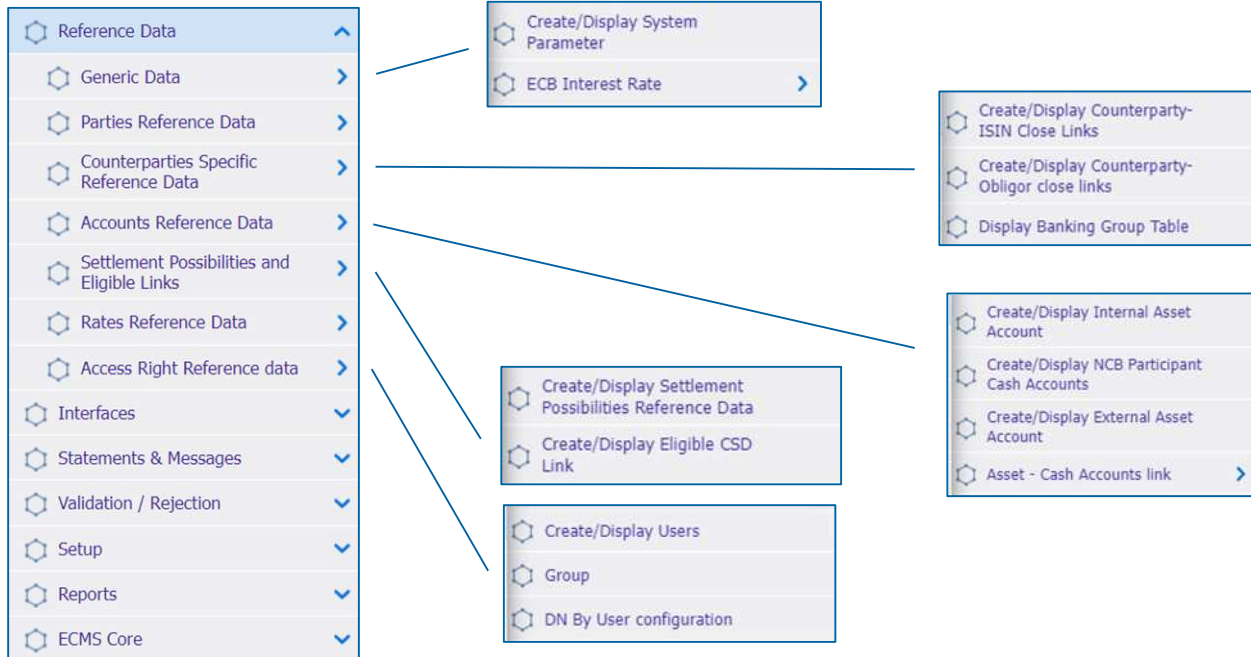
Special functions

Certain data (e.g. account numbers of MCAs and T2S DCAs) are compared against the Common Reference Data Management (CRDM)

2. Reference data

Main menu Reference Data module

- Main menu
Reference Data module (“MegaCommon”)



2. Reference data

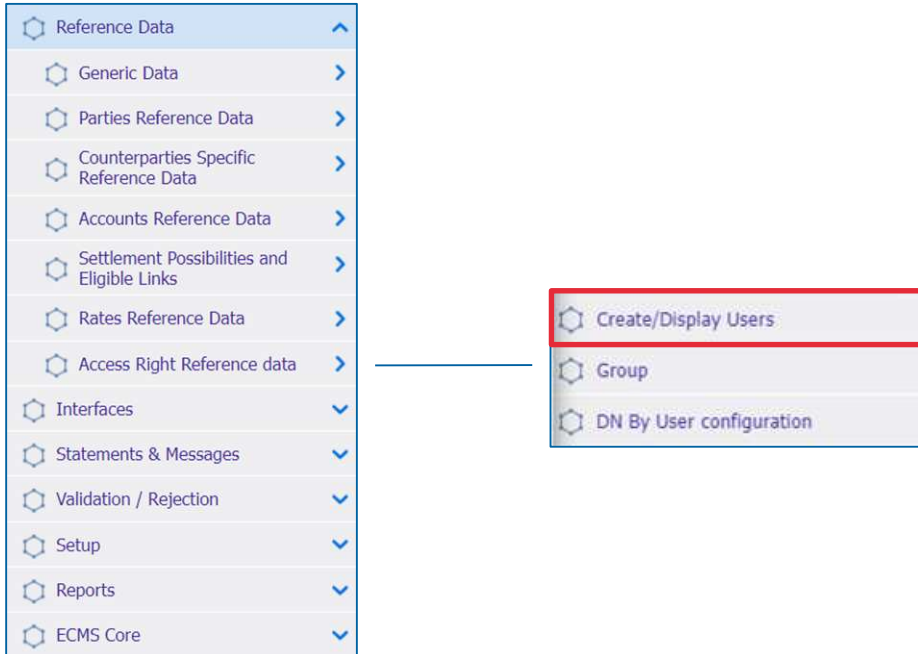
Menu bar Reference Data module

Module	Main menu	Description
Reference data	Reference data	<ul style="list-style-type: none">▪ Reference data on counterparties, creation of internal and external accounts (cash, securities, credit claims), establishment of settlement possibilities and eligible links, user and access rights administration, parameters for US-QuSt
	Interfaces	<ul style="list-style-type: none">▪ Overview of interfaces with Eurosystem services (including marketable assets, price information, exchange rates), data transfer to T2S and triparty agents
	Statements & Messages	<ul style="list-style-type: none">▪ Access to safe custody account statements and transaction lists
	Validation/rejection	<ul style="list-style-type: none">▪ Confirmation/rejection of instructions (4-eyes mode)
	Setup	<ul style="list-style-type: none">▪ Message subscription setup, file channel configuration
	Reports	<ul style="list-style-type: none">▪ Reports from the Reference Data module
	ECMS Core	<ul style="list-style-type: none">▪ Access to other modules

2. Reference data

Creating users (1/7)

- Main menu
Reference Data module (“MegaCommon”)



- The ECMS allows NCB users and counterparties to **manage** the **system users** as well as to assign **predefined roles and/or groups to these users**.
- Each system user defined in the ECMS must be:
 - **a human user**, i.e. an employee using the ECMS U2A via GUI;or
 - **an application**, i.e. a software component interacting with the ECMS in A2A mode.
- Authorisation, i.e. the **user's right** to perform a specific function in the ECMS, is based on the user's privileges (embedded in their predefined roles), which are stored in the ECMS reference data (user, group, role).

- “Create/Display Users” screen for **creating a user**
- Reference Data >> Reference Data >> Access Rights Reference Data >> Create/Display Users >> click “Create”
- Complete the mandatory entry fields on this screen such as the “**ECMS System User Reference**” and the full “**First and last name**” of the new user.
- Please observe the **naming conventions for system user references and the naming conventions for DNs**. For more details, see <https://www.bundesbank.de/resource/blob/926672/9d6897678ccba8e5080cda86b2967416/mL/form-guide-information-sheet-ecsm-production-environment-data.pdf>
 - U2A DN SWIFT example: CN=john-smith, OU=esmig1, O=abcdxxyy, O=swift and
 - U2A DN SIA Colt example: CN=john-smith, OU=U2A, O=12345, DC=sianet, DC=sia, DC=eu
- Tick “**Is Active**” if not already ticked

Edit: Assigned User

ECMS System User Reference

Name

Is Active

User Properties

Groups

Security Role

User Multi Tenancy

User Properties [0]

Groups [0]

Security Role [0]

User Multi Tenancy [1]

Reset

Save

Cancel

The screenshot displays the 'Edit: Assigned User' form. The form includes fields for 'ECMS System User Reference' (CPTY-DExxxx-INTERNEKENNUNG), 'Name' (Max Mustermann), and 'Is Active' (checked). Below these are sections for 'User Properties' (with a red circle around the 'User Properties [0]' button), 'Groups' (Groups [0]), 'Security Role' (Security Role [0]), and 'User Multi Tenancy' (User Multi Tenancy [1]). A 'Reset' button is on the left, and 'Save' and 'Cancel' buttons are on the right.

Below the form is a 'Search Result: Properties' section. It shows a table with columns: 'Property', 'User Property Value', 'Update Date', and 'Updater User Id'. The table is empty, with the message 'No results were found for the search criteria specified'. A 'Create' button is on the right.

Below the search results is the 'Edit: Group' form. It has a 'Property' field and a 'Data Scope' field. The 'User Property Value' field is highlighted with a red circle. A 'Reset' button is on the left, and a 'Cancel' button is on the right.

At the bottom, there is a 'Reference Data' section with a tip: 'Hold down the "Ctrl" key and click on a column to sort your table by multiple columns.'

- In the next step, add the **“Data Scope”** information under **“User Properties”** as well as your institution’s RIAD code in the mandatory field **“User Property Value”**
- Save your entry by clicking on the small **“back button”** on the right-hand side (highlighted in yellow)

Edit: Assigned User

ECMS System User Reference: CPTY-DExxxx-INTERNEKENNUNG | Name: Max Mustermann | Is Active:

User Properties: [2] | Groups: [0] | **Security Role: Security Role [0]** | User Multi Tenancy: [1]

Reset | Save | Cancel

Super Validator

Validator

- ECMS ENTITY - U2A ELA MANAGEMENT READ ONLY - #74
- ECMS ENTITY - U2A BANKING GROUP MANAGER PROCESSES READ ONLY - #75
- ECMS ENTITY - U2A CREDIT CLAIM MANAGEMENT EXECUTION - #76
- ECMS ENTITY - U2A CREDIT CLAIM MANAGEMENT READ ONLY - #77
- ECMS ENTITY - U2A CORPORATE ACTIONS AND TAX MANAGEMENT EXECUTION - #78
- ECMS ENTITY - U2A CORPORATE ACTIONS AND TAX MANAGEMENT READ ONLY - #79
- ECMS ENTITY - U2A STATEMENTS EXECUTION - #80
- ECMS ENTITY - U2A STATEMENTS READ ONLY - #81
- ECMS ENTITY - U2A OTHER SUPPORT FUNCTIONALITIES EXECUTION - #82

Updater User Id | Create

- User roles are assigned by selecting the **“Security Role”**
- Please note that you must assign at least one business role and either the **“Validator”** role for the **4-eyes principle** or the **“Super Validator”** role for the **2-eyes principle**. You will be informed as soon as the 4-eyes principle can be tested.
- Use the **“back button”** key to save your selection and then click **“Save”**

Edit: Assigned User

ECMS System User Reference: CPTY-DExxxxx-INTERNEKENNUNG
Name: Max Mustermann
Is Active:

User Properties: **User Properties [2]**
Groups: **Groups [0]**
Security Role: **Security Role [0]**
User Multi Tenancy: **User Multi Tenancy [1]**

Reset **Save** **Cancel**

List: Assigned Roles

10

Assigned Roles	Update Date	Updater User Id
Super Validator		
ECMS ENTITY - U2A CASH COLLATERAL EXECUTION - #61		

Create

Reference Data ⓘ Hold down the "Ctrl" key and click on a column to sort your table by multiple columns.

- You can assign additional roles to the user by clicking **“Create”**.

2. Reference data

Creating users (7/7)

- Optionally, by **selecting “Groups”**, you can add a **user to an existing group of users** so that they can be allocated the corresponding roles.
- You can confirm your selection by clicking **“Save”**.

Edit: Assigned User

ECMS System User Reference: CPTY-DExxxx-INTERNEKENNUNG
Name: Max Mustermann
Is Active: ✓

User Properties: User Properties [2]
Groups: Groups [0]
Security Role: Security Role [0]
User Multi Tenancy: User Multi Tenancy [1]

Reset Save Cancel

List: Assigned Roles

10

Assigned Roles	Update Date	Updater User Id
Super Validator		
ECMS ENTITY - U2A CASH COLLATERAL EXECUTION - #61		

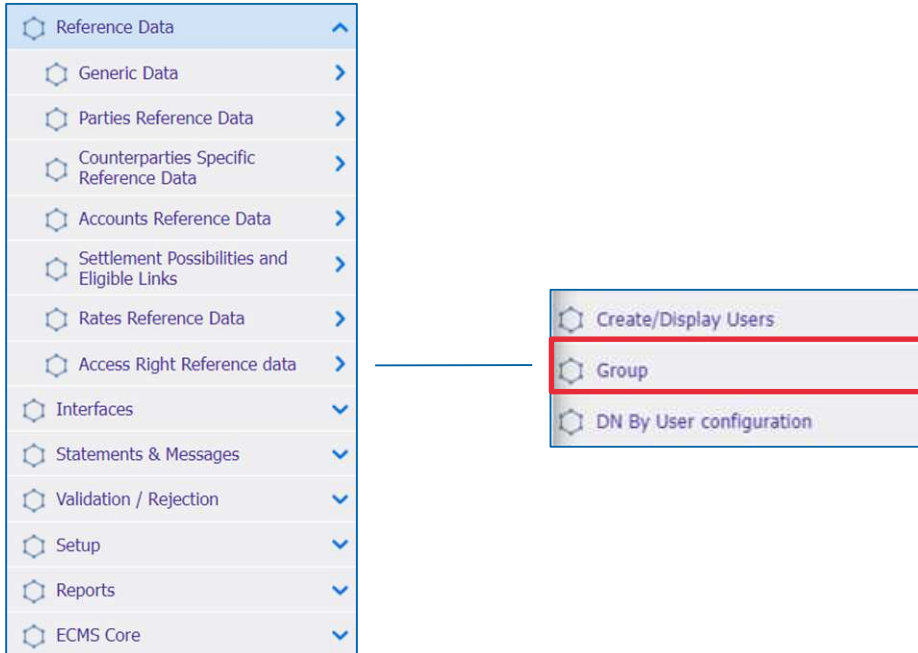
Create

Reference Data ⓘ Hold down the "Ctrl" key and click on a column to sort your table by multiple columns.

2. Reference data

Creating groups (1/2)

- Main menu
Reference Data module (“MegaCommon”)



- “Create/Display Group” screen for **creating groups**
- Reference Data >> Reference Data >> Access Rights Reference Data >> Create/Display Group >> click “Create”
- Enter the “**Group ID**” and the desired “**Group Name**” (the desired roles can be assigned per user group and new users can be assigned to the respective user group)

The screenshot displays two sections of a web application interface for managing groups.

Top Section: Create / Display : Group

- Header: "Create / Display : Group" with a star icon and an up arrow icon.
- Form fields: "Group Id" (with a dropdown arrow), "Group Name" (with a dropdown arrow), "Update Date" (with a dropdown arrow and a calendar icon), and "User Property Value" (with a dropdown arrow).
- Buttons: "Reset" (green), "Create" (blue), and "Search" (blue).

Bottom Section: Edit : Group

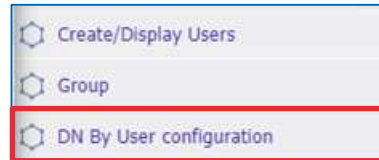
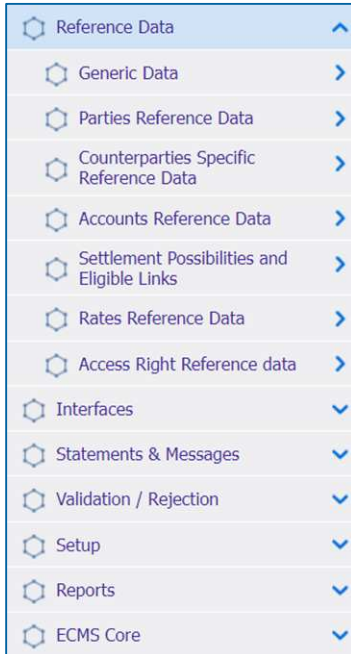
- Header: "Edit : Group" with a share icon and an up arrow icon.
- Form fields: "Group Id" and "Group Name" (both with red horizontal lines below them).
- Assigned Roles: "Assigned Roles [0]" (blue button).
- Group Properties: "Group Properties [0]" (blue button).
- Assigned Users: "Assigned Users [0]" (blue button).
- Buttons: "Reset" (green), "Save" (green), and "Cancel" (blue).

- Before mid-March 2024, it was **not** technically **possible** to **connect one ECMS user to multiple (DNs = certificates) in the ECMS**. Change request (CR) 0084 remedied this restriction.
- **All users were set up with a single DN** (U2A and A2A users) in the ECMS UTEST/Pre-Prod environment.
- Since the go-ahead by the Bundesbank, institutions that will use multiple DN's have to subsequently record these DN's **themselves** in the ECMS.
- Please note that you need to **first complete the adjustments in UTEST** before adding multiple DN's to users in the ECMS Prod environment.

2. Reference data

Linking to distinguished names (DNs) (2/3)

- Main menu
Reference Data module (“MegaCommon”)



2. Reference data

Linking to distinguished names (DNs) (3/3)

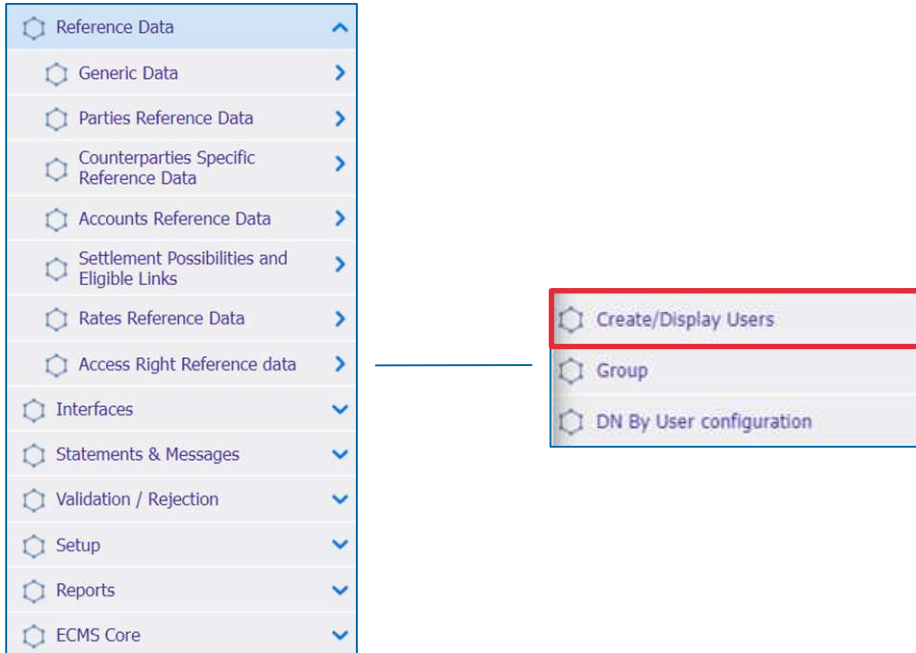
- Once a user has been created in ECMS, one or several DN's must be assigned to them. It is not possible to use the user without taking this step.
- **“DN By User configuration”** screen for linking an ECMS user to **one** or **multiple** distinguished names (DNs)
- Reference Data >> Reference Data >> Access Rights Reference Data >> DN By User configuration >> click **“Create”**
- For **“User ID”**, enter the user’s **“ECMS system user reference”** or select it from the drop-down menu. In the **“DN”** field, enter the appropriate DN for the user in the ECMS.
- If you want to link a user to multiple DN's, repeat these steps.

The screenshot displays the 'DN By User' configuration interface. It is split into two main sections: 'Search : DN By User' and 'Edit : DN By User'. Both sections include a search bar with 'User Id' and 'Dn' dropdown menus. The 'Search' section features a 'Reset' button, a 'Create' button, and a 'Search' button. The 'Edit' section features a 'Reset' button, a 'Save' button, and a 'Cancel' button.

2. Reference data

Viewing/editing/deleting users (1/4)

- Main menu
Reference Data module (“MegaCommon”)



2. Reference data

Viewing created users (2/4)

- **“Create/Display Users”** screen for **displaying users that have already been created** in the ECMS
- Reference Data >> Reference Data >> Access Rights Reference Data >> Create/Display Users >> click “Search” >> select the user to be edited >> click “View”

Create / Display : User

ECMS System User Reference: -- Name: -- Is Active: --

Update Date: -- User Property Value: --

Reset Create Search

Search Result : Users

	ECMS System User Reference	Name	Is Active
<input checked="" type="checkbox"/>	DEGB-Cxx-CTPY-DExxxxx	John Smith	Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes

History Edit Delete View

2. Reference data

Editing created users (3/4)

- **“Create/Display Users”** screen for **editing users that have already been created** in the ECMS (e.g. to allocate additional roles to users)
- Reference Data >> Reference Data >> Access Rights Reference Data >> Create/Display Users >> click “Search” >> select the user to be edited >> click “Edit”

The screenshot displays the 'Create/Display Users' interface. At the top, there are search filters for 'ECMS System User Reference', 'Name', 'Is Active', and 'Update Date'. Below the filters is a 'Reset' button and 'Create' and 'Search' buttons. The main area shows a table of search results for users. The first row is highlighted in blue and contains the following data:

ECMS System User Reference	Name	Is Active
DEGB-Cxx-CTPY-DExxxx	John Smith	Yes
		Yes
		Yes
		Yes
		Yes
		Yes
		Yes
		Yes
		Yes
		Yes

At the bottom right of the screen, there are buttons for 'History', 'Edit', 'Delete', and 'View'. The 'Edit' button is circled in red.

2. Reference data

Deleting users (4/4)

- “**Create/Display Users**” screen for **deleting users** in the ECMS
- Reference Data >> Reference Data >> Access Rights Reference Data >> Create/Display Users >> click “Search” >> select the user to be deleted >> click “Delete”

Create / Display : User

ECMS System User Reference: [dropdown] Name: [dropdown] Is Active: [dropdown]

Update Date: [dropdown] User Property Value: [dropdown]

Reset Create Search

Search Result : Users

	ECMS System User Reference	Name	Is Active
<input checked="" type="checkbox"/>	DEGB-Cxx-CTPY-DExxxxx	John Smith	Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes
<input type="checkbox"/>			Yes

History Edit **Delete** View

2. Reference data

Creating accounts (ECMS account types)

Internal asset account

- Used by counterparties and NCBs to bookkeep collateral positions.
- Accounts are opened and managed directly in the ECMS.

ECMS counterparty asset account

ECMS cross NCB asset account

ECMS non-euro area CB asset account

ECMS NCB asset account

External asset account

- Opened in the books of central securities depositories (CSDs) and in T2S for the settlement of marketable asset instructions.
- Configuration takes place within the ECMS reference data.

ECMS cross NCB asset account (mirror)

T2S securities account for regular collateral

T2S securities account for triparty collateral

T2S securities account for intraday auto-collateral

External cash account

- Operated by external systems such as CLM for the settlement of cash operations and the provision of intraday liquidity.
- Configuration takes place in the ECMS reference data.

CLM main cash account

T2S dedicated cash account

Non-euro cash account

CLM CB account

Contingency cash account

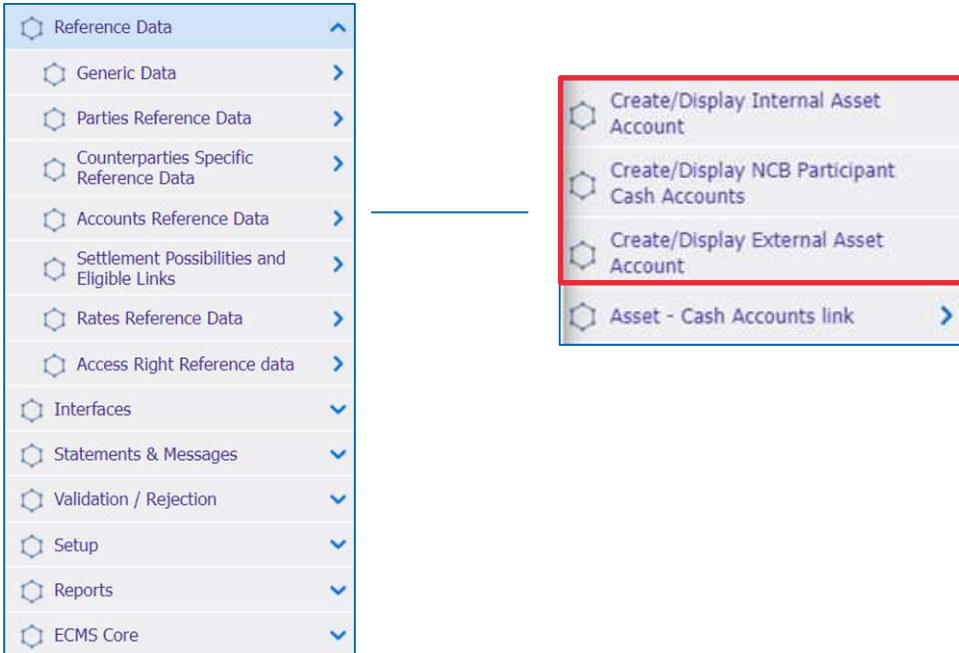
CB contingency cash account

- The **NCBs** are solely responsible for the **setup and maintenance of account reference data** in their field of competence.
- To this end, the ECMS relies on the **directories of T2S securities accounts, T2S DCAs** (dedicated cash accounts) and of **MCAs operated in CLM** (Central Liquidity Management main cash accounts) received from **CDRM** (Common Reference Data Management).
- The internal and external asset accounts **in the ECMS** must be **linked to the cash accounts** (via the NCBs, maximum of one linkage possible) in order to settle payments resulting from corporate actions on securities mobilised as collateral.
- The **owner** of an ECMS counterparty asset account is a **counterparty**, and the **account servicer** is its **NCB**, acting as the refinancing central bank.
- The ECMS counterparty asset accounts are used to hold the counterparty's collateral positions, either in order to pledge **marketable assets** or **credit claims managed in the ECMS** as collateral.
- The ECMS counterparty asset account makes it possible to **identify the legal technique used** to mobilise the collateral (pledge for collateralised loan or repo for transfer of ownership; only one type of collateral permissible).
- Each counterparty may have as many ECMS counterparty asset accounts as it requires to segregate its collateral.

2. Reference data

Displaying accounts (1/2)

- Main menu
Reference Data module (“MegaCommon”)



2. Reference data

Displaying accounts (2/2)

- Search and list screens for internal asset accounts*
- Reference Data >> Reference Data >> Accounts Reference Data >> Create/Display Internal Asset Account >> click “Search”

Search: Internal Asset Accounts

Account Reference -- Account Owner -- Account Name -- Account Type --
Account Servicer -- Collateralisation technique -- Asset Category -- Is Active --
Validity Start Date -- Validity End Date -- Creation Date -- Update Date --

Reset Create Search

Search Result : Internal Asset Accounts

Account Reference	Account Owner	Account Servicer	Account Type	Account Name	Asset Category	Collateralisation tec.	Is Active	Validity Start Date	Validity End Date	Updater User id	Update Date	Creation Date
09032022001	ABVR004IABVR004	AT0000003888151	ECMS Counterparty A	09032022001	MARKETABLE ASSET	PLEDGE	No	09/03/2022	10/03/2022	ECMSOperationalDay...	09/03/2022 18:51:02...	09/03/2022 10:18:18...
664231	ABVR004IABVR004	AT0000003888151	ECMS Counterparty A	664231	MARKETABLE ASSET	PLEDGE	Yes	11/02/2022		ATCB003	11/02/2022 09:58:28...	11/02/2022 09:58:28...
ABVR001IAA01	ABVR001IABVR001	AT0000003888151	ECMS Counterparty A	ABVR001IAA01	MARKETABLE ASSET	PLEDGE	Yes	31/08/2021		STP	01/09/2021 09:18:28...	01/09/2021 09:18:28...
ABVR001IAA01 (bis)	ABVR001IABVR001	AT0000003888151	ECMS Counterparty A	ABVR001IAA01 (bis)	MARKETABLE ASSET	PLEDGE	Yes	13/12/2021		STP	13/12/2021 11:06:34...	13/12/2021 11:06:34...
ABVR001IAA02	ABVR001IABVR001	AT0000003888151	ECMS Counterparty A	ABVR001IAA02	MARKETABLE ASSET	PLEDGE	Yes	05/10/2021		STP	05/10/2021 14:46:11...	05/10/2021 14:46:11...
ABVR001IAA03	ABVR001IABVR001	AT0000003888151	ECMS Counterparty A	ABVR001IAA01	MARKETABLE ASSET	PLEDGE	Yes	20/01/2022	31/12/9999	STP	20/01/2022 16:53:24...	20/01/2022 16:20:47...
ABVR002IAA01	ABVR002IABVR002	AT0000003888151	ECMS Counterparty A	ABVR002IAA01	MARKETABLE ASSET	PLEDGE	Yes	31/08/2021		STP	01/09/2021 09:19:30...	01/09/2021 09:19:30...
ABVR002IAA02	ABVR002IABVR002	AT0000003888151	ECMS Counterparty A	ABVR002IAA02	MARKETABLE ASSET	PLEDGE	Yes	20/09/2021	30/12/9999	STP	20/09/2021 16:06:50...	20/09/2021 12:10:59...
ABVR002IAA03	ABVR002IABVR002	AT0000003888151	ECMS Counterparty A	ABVR002IAA03	MARKETABLE ASSET	PLEDGE	Yes	24/09/2021		STP	24/09/2021 16:13:06...	24/09/2021 16:13:06...
ABVR002IAA04	ABVR002IABVR002	AT0000003888151	ECMS Counterparty A	ABVR002IAA04	MARKETABLE ASSET	PLEDGE	Yes	14/01/2022		STP	14/01/2022 12:41:32...	14/01/2022 12:41:32...

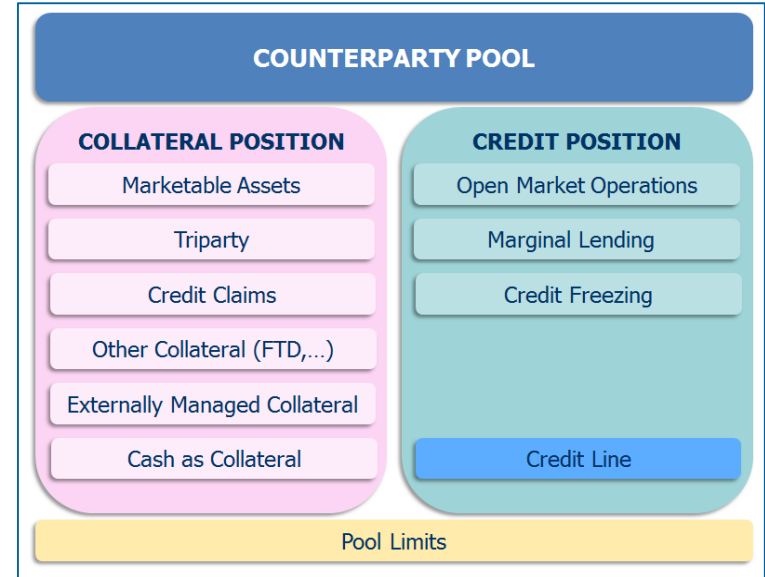
History Edit View

- * External asset accounts and NCB participant cash accounts can be displayed in the same way:
- >> External Asset Account >> Create/Display External Asset Accounts
 - >> NCB Participant Cash Account Create/Display

2. Reference data

- The ECMS uses collateral pooling, enabling a counterparty to **make collateral available without assigning it to a specific operation**.
- **Pool configuration** aims at defining, for a counterparty, where the collateral is mobilised to cover certain authorised types of credit operations.
- The **collateral** is reflected in the **collateral position** of the pool, while the covered **credit operations** are reflected in the pool's **credit positions**.
- A counterparty may hold **more than one pool**.

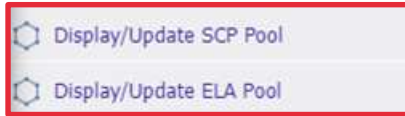
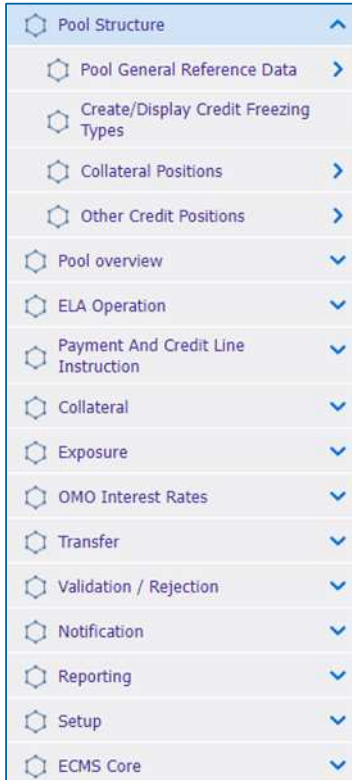
Info on creating pools



- **Each NCB is responsible for setting up the ECMS pools and eligible monetary policy operations of its counterparties, and also has access to a consolidated overview of its counterparties' ECMS pools in the ECMS.**

2. Reference data

Displaying pools (1/2)



- Switch to the main menu module **“Collateral and Credit”** to display a counterparty pool.

2. Reference data

Displaying pools (2/2)

- **Search and list screens for pools** can be found in the **main menu module “Collateral and Credit”**.
- Collateral and Credit >> Pool Structure >> Pool General Reference Data >> Display/Update SCP (SCP = Single Collateral Pool) Pool or Display/Update ELA (ELA = Emergency Liquidity Assistance) Pool >> click “Search” (after entering search criteria, if applicable)

Pool General Reference Data

Search : Pool General Reference Data

Pool Type -- Pool Identifier -- Pool Reference --

CLM MCA -- CLM CB Account --

Contingency Cash Account -- CB Contingency Cash Account -- Validity Start Date --

Validity End Date --

Reset Search

List : Pool General Reference Data

Pool Type	Pool Identifier	Pool Reference	Counterparty	CLM MCA	NCB CLM Main	Contingency Cas	CB Contingency	Absolute Credit Li	Relative Credit Li	Validity Start Dat	Validity End Date	Creation Date	Update Date	Updater User Id
SCP	POOL0000000003	TestValidateReject	ABVR008	ABVRATWW008	NABAATWWXXX	...	...			01/09/2021	31/12/9999	01/09/2021 12:15...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000003	ABVR009POOL01	ABVR009	ABVRATWW009	NABAATWWXXX	...	...			01/09/2021	31/12/9999	01/09/2021 12:16...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000003	ABVR01POOL01	ABVR010	ABVRATWW010	NABAATWWXXX	...	...			01/09/2021	31/12/9999	01/09/2021 12:17...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000003	ABVR011POOL01	ABVR011	ABVRATWW011	NABAATWWXXX	...	...			01/09/2021	31/12/9999	01/09/2021 12:18...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000003	ABVR012POOL01	ABVR012	ABVRATWW012	NABAATWWXXX	...	...			01/09/2021	31/12/9999	01/09/2021 12:19...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000003	ABVR013POOL01	ABVR013	ABVRATWW013	NABAATWWXXX	...	...			01/09/2021	31/12/9999	01/09/2021 12:20...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000004	ABVR014POOL01	ABVR014	ABVRATWW014	NABAATWWXXX	...	...			01/09/2021	31/12/9999	01/09/2021 12:21...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000004	ABVR015POOL01	ABVR015	ABVRATWW015	NABAATWWXXX	...	...			01/09/2021	31/12/9999	01/09/2021 12:22...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000004		ABVR002	ABVRATWW002	NABAATWWXXX	...	...			01/09/2021	01/09/9999	01/09/2021 13:14...	29/05/2022 19:00...	ECMSOperationalD...
SCP	POOL0000000004		ABVR003	ABVRATWW003	NABAATWWXXX	...	...			01/09/2021	13/09/2021	01/09/2021 13:14...	13/09/2021 13:33...	STP

Edit View

- The ECMS manages reference data on **marketable assets** that can be used as collateral. This information is used to calculate the collateral value.
- The **responsible NCB determines the eligibility of an asset.**
- The ECMS uses the **list of eligible assets** from the Eligible Assets Database (Collateral and Counterparties Database/Eligible Assets (C2D/EA)), which is consolidated, updated and published by the ECB on a daily basis.

The reference data contained in the ECMS comprise:

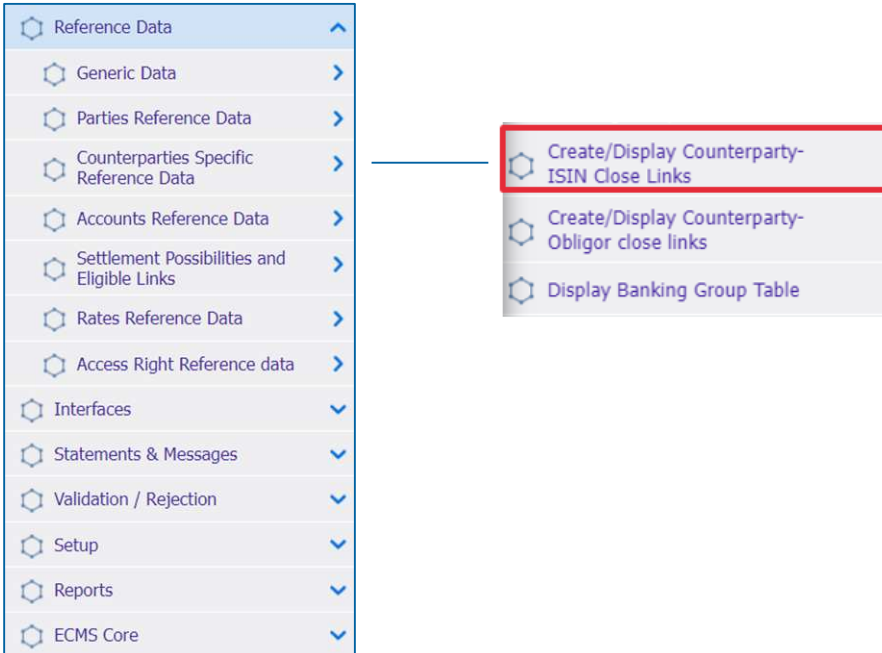
- a list of **marketable assets** received from the EA database that are **eligible** to be used in the ECMS and their **master data**;
- a list of **prices and accrued interest factors** that must be applied when calculating the collateral value;
- a list of **pool factors** that must be applied when **calculating the collateral value**;
- a list of **close links between a counterparty and an asset.**

- The ECMS saves a **list of close links** in its reference data.
- This list contains:
 - first, the marketable assets that a counterparty **cannot mobilise** due to a close link,
 - and, second, the assets that a counterparty **can mobilise**.
- The list of close links between the counterparty and the marketable assets is created by the ECMS with the aid of the **Register of Institutions and Affiliates Database (RIAD)**.
- The ECMS operator monitors the **generation of close links between counterparties and eligible assets** by looking at incoming RIAD flows.

2. Reference data

Displaying close links (2/3)

- Main menu
Reference Data module (“MegaCommon”)



2. Reference data

Displaying close links (3/3)

- “Search Result: Counterparty ISIN Close Link” screen displays the close links of an asset
- Reference Data >> Counterparties Specific Reference Data >> Create/Display Counterparty ISIN Close Links >> click “Search”

Create/Display Counterparty- ISIN Close Links

Create / Display : Counterparty- ISIN close link

ISIN -- Counterparty -- Close Link Type --

Source -- Validity Start Date -- Validity End Date --

Exception flag -- Update Date --

Reset Search

Search Result : Counterparty ISIN Close Link

10 Page 1 of 1000 10000

	ISIN	Counterparty	Close Link Type	Source	Exception flag	Validity Start Date	Validity End Date	Update Date	Updater User Id
<input type="checkbox"/>			Authorized		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:942	ECMSOperationalDayScheduler
<input type="checkbox"/>			Forbidden		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:909	ECMSOperationalDayScheduler
<input checked="" type="checkbox"/>			Forbidden		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:709	ECMSOperationalDayScheduler
<input type="checkbox"/>			Forbidden		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:709	ECMSOperationalDayScheduler
<input type="checkbox"/>			Forbidden		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:709	ECMSOperationalDayScheduler
<input type="checkbox"/>			Forbidden		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:709	ECMSOperationalDayScheduler
<input type="checkbox"/>			Forbidden		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:709	ECMSOperationalDayScheduler
<input type="checkbox"/>			Forbidden		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:709	ECMSOperationalDayScheduler
<input type="checkbox"/>			Forbidden		No	08/05/2024	31/12/9999	07/05/2024 03:01:07:709	ECMSOperationalDayScheduler

History Edit **View**

2. Reference data

Settlement possibilities & T2S relocation (1/3)

- The ECMS maintains reference data to determine the **settlement possibility of the mobilisation instructions of marketable assets** and to determine whether the **respective settlement possibility is eligible** or not.
- For this purpose, the ECMS uses:

List of eligible links between CSDs

- Eligible securities can be mobilised for Eurosystem credit operations by using eligible links between **eligible securities settlement systems (SSSs)**.
- There are two types of link: **direct and relayed links**.
- The **ECMS operator** is responsible for maintaining this list of eligible links (which is updated by the ECB and is available on its website).

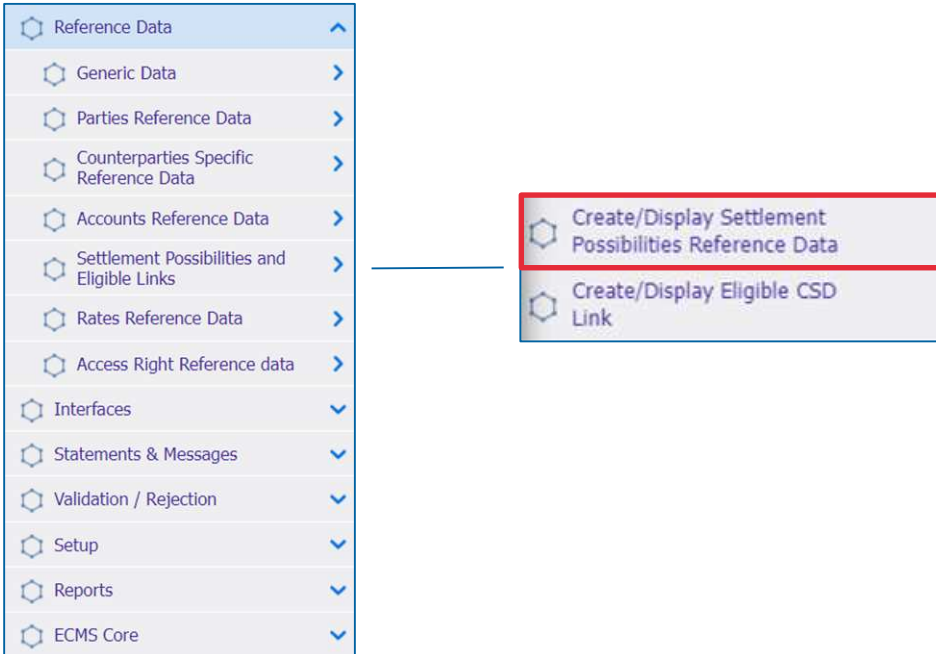
List of settlement possibilities

- The NCBs create the settlement possibilities of their counterparties in the ECMS. **No action is expected from counterparties here.**
- Counterparties have the option of managing their settlement possibilities via the relevant **CSD on the central bank side**.
- The settlement possibilities entered are used to route funds from the counterparty's safe custody account via the selected **"CSD of the T2S securities account for regular collateral"** to the relevant **"domestic" or CCBM depository**.
- Settlement possibilities in the ECMS are **not comparable to the familiar delivery channels in the Collateral Management Access Portal (CAP)**.

2. Reference data

Settlement possibilities & T2S relocation (2/3)

- Main menu
Reference Data module (“MegaCommon”)



2. Reference data

Settlement possibilities & T2S relocation (3/3)

- Search and list screens of the reference data for settlement possibilities
- Reference Data >> Settlement Possibilities and Eligible Links >> Create/Display Settlement Possibilities >> click “Search”

Create/Display Settlement Possibilities Reference Data

Create / Display : Settlement Possibilities

Internal Asset Account NCB Participant NCB Participant Entity Type CSD

Validity Start Date 01/01/2020 Validity End Date Update Date Creation Date

Search Result : Settlement Possibilities

10 Page 1 of 2

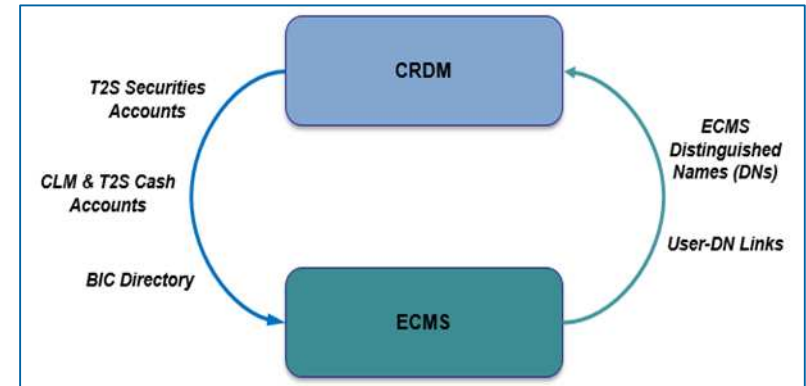
	Internal Asset Account	NCB Participant	Context	NCB Participant Entity Type	CSD	Validity Start Date	Validity End Date	Update Date	Updater User Id	Creation Date
<input type="checkbox"/>						19/04/2024	31/12/9999	19/04/2024 13:54:45.893		19/04/2024 13:54:45.893
<input type="checkbox"/>						14/03/2024	31/03/2024	14/03/2024 10:50:08.222		14/03/2024 10:43:36.637
<input type="checkbox"/>						16/02/2024	29/02/2024	16/02/2024 10:07:52.355		16/02/2024 10:07:52.355
<input type="checkbox"/>						25/01/2024	08/02/2024	07/02/2024 15:01:30.123		25/01/2024 12:25:40.360
<input type="checkbox"/>			COUNTERPARTIES			05/02/2024	31/12/9999	05/02/2024 16:44:02.360		05/02/2024 16:44:02.360
<input checked="" type="checkbox"/>			COUNTERPARTIES			25/01/2024	26/01/2024	26/01/2024 12:38:31.671		25/01/2024 11:46:00.854
<input type="checkbox"/>						12/01/2024	31/12/9999	12/01/2024 09:18:26.780		12/01/2024 09:18:26.780
<input type="checkbox"/>						17/08/2023	31/12/9999	13/12/2023 15:43:01.023		17/08/2023 14:49:19.839
<input type="checkbox"/>						07/12/2023	31/12/9999	07/12/2023 13:57:06.476		07/12/2023 13:57:06.476
<input type="checkbox"/>						05/09/2023	31/12/9999	05/09/2023 09:13:35.083		05/09/2023 09:13:35.083

- The Common Eurosystem Pricing Hub (CEPH) interface provides the ECMS with a **unique price per marketable asset per business day** that is used by all Eurosystem central banks to value marketable assets submitted as collateral in Eurosystem credit operations.
- The CEPH interface is used to compile the prices for marketable assets in the ECMS reference data.
- There is an automatic reconciliation for cross-checking purposes based on three different areas:
 - **received price** for marketable assets not available in the ECMS reference data;
 - **price variations** for all eligible assets;
 - **missing prices** for available marketable assets.

2. Reference data

Info on interfaces/CRDM

- The **Common Reference Data Management (CRDM) system** manages the **data** that are shared by **various Eurosystem common components in a single location**.
- The ECMS shares the information shown in the adjacent chart. This creates added value for the system as it ensures complete **consistency of data across all platforms**; it protects users from manual errors and ensures error correction processes for the platforms in the event of a consistency error.
- In the event of **discrepancies**, the **ECMS operator** and the **NCB user are notified**.



- The reference data for the ECMS contain various **generic code lists** which are used internally by the system.
- These code lists are **managed by the ECMS operator** and can be viewed by **NCBs** and **counterparties** for consultation purposes only.
- The following code lists can be displayed:
 - system parameters;
 - ECB interest rate.
- Other “generic” data, i.e. data that can only be changed by the ECMS operator, are:
 - ECB calendar;
 - exchange rate.

- Screens (see Annex)

Public information

- [User creation in ECMS](#)
- [Form guide and information sheet for the ECMS production environment](#)
- [Training videos on reference data \(*in German only*\)](#)
- [Leitfaden für die Kundentestphase \(Kapitel 2\) \(*Guidelines for customer testing phase \(Chapter 2\) – in German only*\)](#)
- [ECMS access rights matrix \(05/2024\)](#) (Excel document listing all possible counterparty rights; select relevant option on ECB website)
- [ECMS User Handbook Counterparties](#) (v1.1, 03/2023)
- [U2A and A2A roles in the ECMS](#) (07/2023)

If you have any questions or wish to say something,
please use the chat function.



- When you were invited to this event, you were sent a link to a standardised and anonymised feedback form.
- The feedback form contains 11 questions with a multi-level response scale. It should take a maximum of five minutes to complete.
- Once the event has ended, please take a few moments to fill out the form and give us honest feedback on this training course. Thank you!

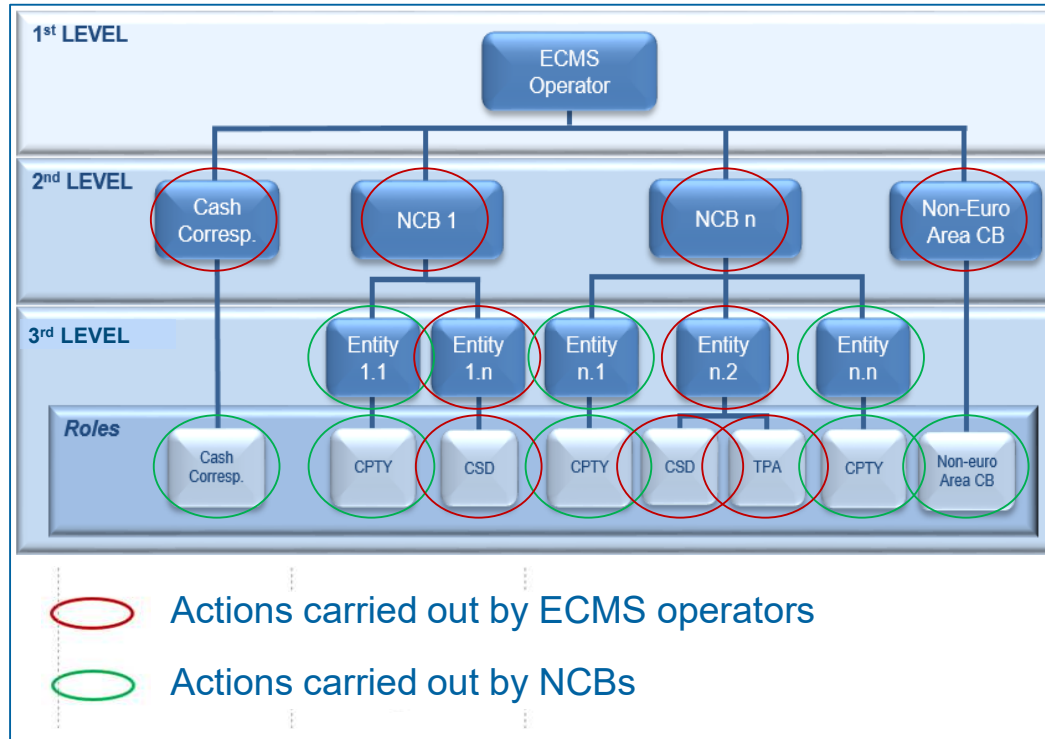


Thank you for your attention ...

ecms-training@bundesbank.de

... and all the best working with ECMS!

- Basic concept: creating parties
- Generic data/system parameters
- Generic data/ECB interest rate



- “Search Result: System Parameter” screen for setting system parameters
- Reference Data >> Reference Data >> Generic Data >> Create/Display System Parameter >> click “Search”

Create/Display System Parameter

Create / Display : System Parameter ✖ ⌵

Parameter Name Description

Update Date

Reset Search

Search Result : System Parameter ⌵

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Parameter Name	Parameter Value	Description	Update Date	Updater User Id
CLM_CUT_OFF	true	Parameter to manage the CLM Cut Off time via the operational...	03/04/2024 19:03:05:102	ECMSOperationalDayScheduler
SeparatedJobForRegisterPositionUpdate	true	Separate Job RegisterPositionUpdate from the clientNotificati...	29/03/2024 10:43:13.354	STP
EXDL_MPEC_FOLDER	\$(MEGARA_PATH)/devices/MegaCommon/EXDI/MPEC	This parameter identify the EXDI MPEC folder path	09/03/2024 12:46:58.667	STP
Statement_Processing_Page_Size	100	Statement_Processing_Page_Size	09/03/2024 12:46:22.655	STP
EXDL_EADB_FOLDER	\$(MEGARA_PATH)/devices/MegaCommon/EXDI/EADB	This parameter identify the EXDI EADB folder path	09/02/2024 17:15:15.240	STP
EXDI_ICAS_FOLDER	\$(MEGARA_PATH)/devices/MegaCommon/EXDI/ICAS	This parameter identify the EXDI ICAS folder path	09/02/2024 17:15:15.132	STP
EXDL_CLOSE_LINK_FOLDER	\$(MEGARA_PATH)/devices/MegaCommon/EXDI/CLOSE_LINK	This parameter identify the EXDI CLOSE_LINK folder path	09/02/2024 17:15:15.009	STP
EXDI_RIAD_ENTITY_FOLDER	\$(MEGARA_PATH)/devices/MegaCommon/EXDI/RIAD_ENTITY	This parameter identify the EXDI RIAD_ENTITY folder path	09/02/2024 17:15:14.888	STP
EXDL_C2D_REVISION_FILE_FOLDER	\$(MEGARA_PATH)/devices/MegaLend/EXDI/C2D_REVISION_F...	This parameter identify the EXDI C2D_REVISION_FILE folder p...	09/02/2024 17:15:14.768	STP
EXDL_TOP_FILE_FOLDER	\$(MEGARA_PATH)/devices/MegaLend/EXDI/TOP_FILE	This parameter identify the EXDI TOP_FILE folder path	09/02/2024 17:15:14.649	STP

- “Search Result: ECB Interest Rate” screen for displaying a list of ECB interest rates in descending order by update date
- Reference Data >> Reference Data >> Generic Data >> ECB Interest Rate >> ECB Interest Rate Create/Display >> click “Search”

Search Result : ECB Interest Rate

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<input type="checkbox"/>	Rate Identifier	Reference Rate Date	Provider	Rate	Update Date	Updater User Id
<input checked="" type="checkbox"/>	Average MRO rate	27/09/2021	ECB		5 27/09/2021 17:47:11.493	ECMS OPERATOR 1
<input type="checkbox"/>	Average MRO rate	28/09/2021	ECB		10 27/09/2021 17:41:34.092	ECMS OPERATOR 1
<input type="checkbox"/>	Average MRO rate	11/02/2022	ECB		10 14/02/2022 12:17:37.571	ECMS OPERATOR 1
<input type="checkbox"/>	Average MRO rate	14/02/2022	ECB		20 14/02/2022 12:25:14.912	ECMS OPERATOR 1
<input type="checkbox"/>	ECB Deposit facility	15/07/2021	ECB		10 16/07/2021 16:26:38.690	ECMS OPERATOR 1
<input type="checkbox"/>	ECB Deposit facility	20/10/2021	ECB		50 20/10/2021 10:08:48.537	ECMS OPERATOR 1
<input type="checkbox"/>	ECB Deposit facility	21/10/2021	ECB		20 19/10/2021 20:32:53.919	ECMS OPERATOR 1
<input type="checkbox"/>	ECB Deposit facility	16/12/2021	ECB		13 16/12/2021 11:47:41.865	ECMS OPERATOR 1
<input type="checkbox"/>	ECB MarginalFacility	15/07/2021	ECB		10 16/07/2021 16:11:32.298	ECMS OPERATOR 1
<input type="checkbox"/>	ECB MarginalFacility	06/09/2021	ECB		20 07/09/2021 17:34:11.889	ECMS OPERATOR 1

History View