

Welcome to the

## ECMS info session

**Thank you for your patience.  
The event will begin shortly.**

### Important information

- If you have any questions, please reply to all in the chat.
- Should you encounter audio problems, use the dial-in details shown in your invitation.



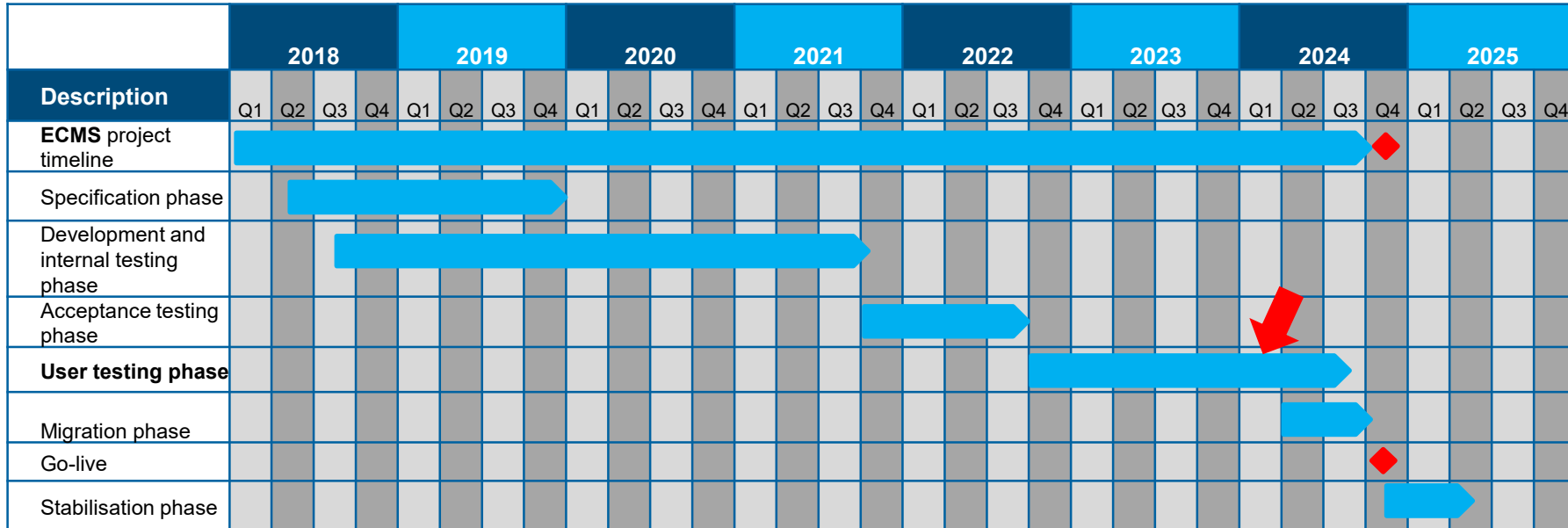
# Eurosystem Collateral Management System (ECMS)

## Agenda

- 1. Introduction**
- 2. Testing and migration phases: timeline**
- 3. Testing phases – user testing**
- 4. Migration – getting ready to go live**
- 5. Community readiness – how ready is the market?**

- 1. Introduction**
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5. Community readiness – how ready is the market?

- The **ECB Governing Council** has **decided** to reschedule the **launch of the ECMS to 18 November 2024**.
- The **Governing Council's** decision is in line with the view of the **Market Infrastructure Board (MIB)** that users require more time to complete **ECMS functional testing** in a stable environment.
- The additional time is intended to ensure
  - ✓ **greater system stability,**
  - ✓ **users' operational readiness,**
  - ✓ and facilitate a **smooth migration** to the new platform.



- User testing phase started in Q4 2022, comprised of the customer testing phase including test preparation
- (Pre-)migration phase from Q2 2024 for CSDs/TPAs and counterparties
- Go/no-go decision on 4 October 2024

Source: [www.ecb.europa.eu](http://www.ecb.europa.eu)

→ Go-live **“big bang”** on **18 November 2024**

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Description	Start date	End date
ECMS network <b>connectivity testing</b> in the pre-production environment (ECMS UTEST/Pre-Prod) <ul style="list-style-type: none"> <li>• U2A users are able to access the ECMS GUI</li> <li>• A2A users receive responses from the ECMS</li> </ul>	17.04.2023	12.05.2023 extended to 23.06.2023
<b>User testing</b> in the pre-production environment (ECMS UTEST/Pre-Prod) <ul style="list-style-type: none"> <li>• Includes business day and operational testing</li> <li>• Consists of general tests and a pre-migration <b>(dress) rehearsal</b></li> </ul>	29.05.2023	06.09.2024
ECMS network connectivity set-up in the production environment (ECMS Prod) ( <b>connectivity set-up</b> )	01.04.2024	21.06.2024
Pre-migration (ECMS Prod)	05.08.2024	20.09.2024
Migration weekend preparation week (ECMS Prod)	04.11.2024	15.11.2024
Migration weekend (ECMS Prod) ECMS go-live date	16.11.2024 18.11.2024	17.11.2024

Link to the [ECMS information pack – user testing and migration](#) published by the ECB.

It is **not** possible to **test specialist ECMS functionalities** during migration testing.

Migration test 9	29.04 to 23.06.2024
Migration test 11	09.09 to 22.09.2024
Migration test 12 (optional)	07.10 to 20.10.2024



# Eurosystem Collateral Management System (ECMS)

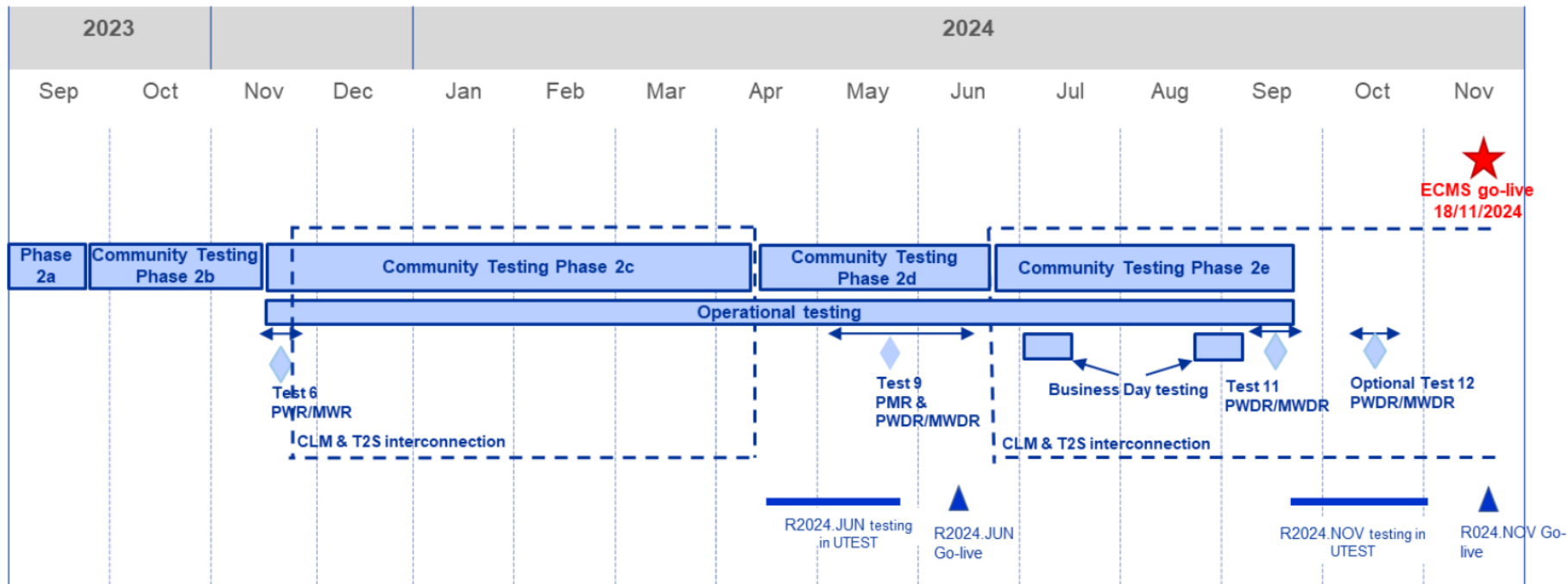
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- **Staggered testing activities**: first NCBs, then CSDs and TPAs, and finally counterparties
- Customer testing in UTEST/Pre-Prod environment
- Duration of the user testing phase: 10 July 2023 to **6 September 2024**
- Testing burden greater for future **A2A users**:
  - Only harmonised, ISO 20022-compliant messages

# ECMS community testing

## Testing phases



**PW(D)R** = Preparation week (dress) rehearsal, **PMDR** = Pre-migration dress rehearsal,\*  
**PMR** = Pre-migration rehearsal, **MWDR** = Migration weekend dress rehearsal,\*  
**MWR** = Migration weekend rehearsal

\* Dress rehearsal: same timeline as for the Prod environment

Source: www.ecb.europa.eu

### Community testing phase 2c:

- **Period: 27 November 2023 to 12 April 2024** (testing phase extended by around two months)
- ECMS functionality and process testing **with T2S and CLM connectivity**

### Community testing phase 2d (new):

- **Period: 15 to 26 April 2024** (period net of migration testing)
- ECMS functionality and process testing **without T2S and CLM connectivity**
- A **simulator** will be used in this phase.

### Community testing phase 2e (new):

- **Period: 24 June to 6 September 2024**
- ECMS functionality and process testing **with T2S and CLM connectivity**

# ECMS community testing

## Testing phases

### Business day testing:

- Slot 1: 1 July to 11 July 2024 (except Fridays)
- Slot 2: 26 August to 5 September 2024 (except Fridays)

### Operational testing:

20 November 2023 to 22 September 2024

- Operational testing is used to **validate operational procedures**.

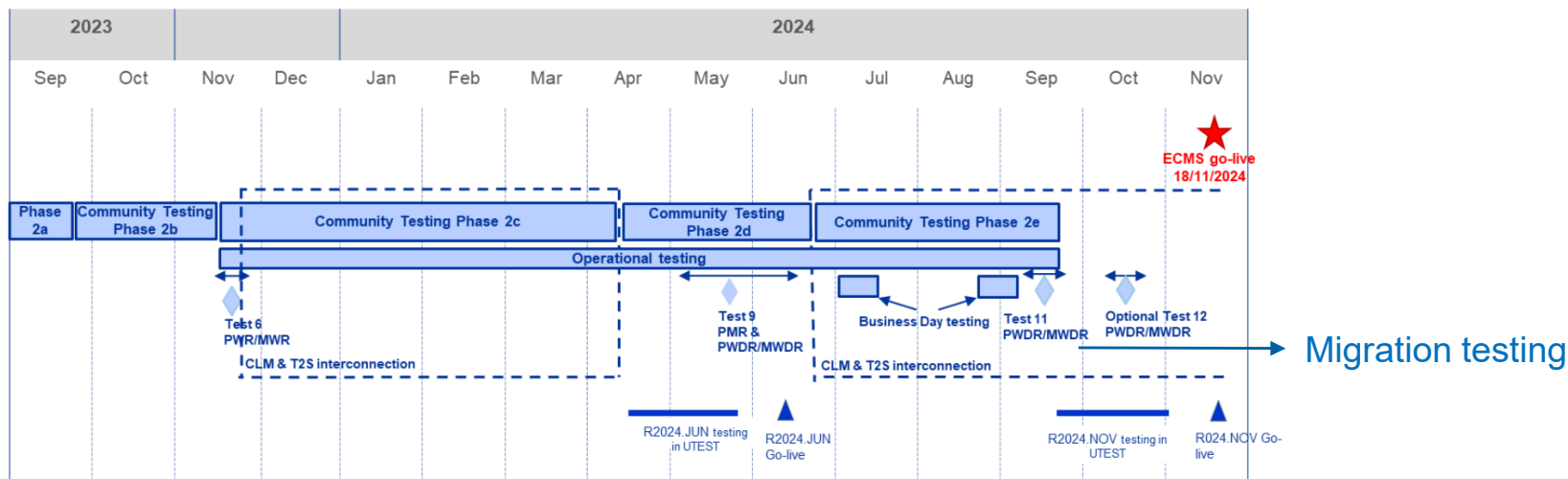
**Both testing phases run in parallel with customer testing.**

# ECMS community testing

## Testing phases

### Please note:

The community testing phases also include the **migration testing** mentioned above. It is **not possible to carry out specialist tests in the ECMS** during migration testing.



Bundesbank-defined **test cases** must be carried out during the community testing phases:

- **ECMS UT fundamental test cases**

- Test cases for counterparties standardised throughout the Eurosystem

- **Bundesbank test cases**

- Additional test cases defined by the Bundesbank

All test cases are **grouped into test sets**.

The following test sets are intended for the counterparties:

- Marketable assets
- Global credit and collateral position
- Cash collateral
- Corporate actions
- Monetary policy operations
- Triparty
- Pool position and projection
- Statement and reporting
- Non-repudiation of origin (NRO) with Ascertia Go>Sign



- As decided by the Eurosystem, the **functionalities** in the ECMS are being **gradually released** for the institutions to **test**.
- Counterparties need to **wait for the Bundesbank to release** the functionalities before testing them.
- Check the Bundesbank's website for an updated list of which functionalities have been released for testing:
  - [Test and Migration | Deutsche Bundesbank](#)

 Approvals of Deutsche Bundesbank for ECMS  
Counterparty test  
Version 2.3  
29.02.2024 | 302 KB, PDF

# ECMS community testing

## Staggered approach – current release status

Fundamental Test Case ID	Funktion	Testfall	EZB-Freigabe	Bundesbank-Freigaben				Kommentar
				Gruppe A	Gruppe B	Gruppe C	Gruppe D	
<b>Connectivity Tests</b>								
	Connectivity	The connectivity to ECMS UZA & A2A [admi.005 message] is tested	ja	ja	ja	ja	ja	
	User Creation	The counterparty administrators may create counterparty users and check whether the users can login to ECMS	ja	ja	ja	ja	ja	
<b>MARKETABLE ASSETS</b>								
Domestic mobilisation/demobilisation of MA, Cross-Border Mobilisation/demobilisation of MA (CCBM), cancellation of mobilisation/demobilisation of MA								
Anmerkung: _CPTY1 bis _CPTY4: Pflichttestfälle für alle Geschäftspartner // _CTPY 10: Testfall nur bei aktueller oder geplanter Nutzung mit ECMS Go-Live relevant								
ECMS_TC_CPTY 1	Marketable asset mobilisation (domestic/CCBM)	Successful mobilisation of marketable asset	ja	ja	ja	ja	ja	ECMS Testing Conditions, section 2.2.2
ECMS_TC_CPTY 2	Cancellation of a marketable asset mobilisation (domestic/CCBM)	Successful cancellation of mobilisation of marketable asset	ja	ja	ja	ja	ja	ECMS Testing Conditions, section 2.2.2
ECMS_TC_CPTY 3	Marketable asset demobilisation (domestic/CCBM)	Successful demobilisation of marketable asset	ja	ja	ja	ja	ja	ECMS Testing Conditions, section 2.2.2
ECMS_TC_CPTY 4	Cancellation of a marketable asset demobilisation (domestic/CCBM)	Successful cancellation of a demobilisation of marketable asset	ja	ja	ja	ja	ja	ECMS Testing Conditions, section 2.2.2
ECMS_TC_CPTY 10	T2S relocation of collateral	Successful T2S relocation of collateral	nein	nein	nein	nein	nein	ECMS Testing Conditions, section 2.2.2
<b>GLOBAL CREDIT AND COLLATERAL POSITION</b>								
Update of Maximum Credit Line value and Credit lines; Update of Credit freezing, Global credit position management, Margin call, Request Marginal Lending, Update of credit and collateral position due to the change of business date								
Anmerkung: _CPTY 11 und _CPTY 19: Pflichttestfälle für alle Geschäftspartner // _CTPY_12 nur bei aktueller oder geplanter Nutzung des Contingency-ECONSII-Pools relevant								
ECMS_TC_CPTY 11	Update maximum credit line value	Successful increase of the maximum value of the intraday credit line with increase of the credit line	ja	ja	ja	ja	ja	ECMS Testing Conditions, section 2.2.3
ECMS_TC_CPTY 19	Request Marginal Lending	Marginal lending request successfully processed.	nein	nein	nein	nein	nein	ECMS Testing Conditions, section 2.2.3
ECMS_TC_CPTY 12	Update a credit freezing	Update a Credit Freezing	ja	nein	nein	nein	nein	ECMS Testing Conditions, section 2.2.3
<b>CASH AS COLLATERAL</b>								
Cash Collateral mobilisation/ Cash Collateral demobilisation								
Anmerkung: Pflichttestfälle für alle Geschäftspartner								
ECMS_TC_CPTY 8	Cash collateral mobilisation	Successful mobilisation of cash initiated by the counterparty or by ECMS after a margin call	ja	ja	nein	nein	ja	Tag 1: Unterdeckung wird durch die Bundesbank veranlasst. ECMS Testing Conditions, section 2.2.4
ECMS_TC_CPTY 9	Cash collateral demobilisation	Successful demobilisation of cash initiated by the counterparty or by ECMS as soon as there is sufficient collateral to cover the credit operation	ja	ja	nein	nein	ja	Tag 2: Bundesbank sorgt für den Collateral Überschuss. ECMS Testing Conditions, section 2.2.4
n/a		Update of credit and collateral position due to the change of business date	nein	nein	nein	nein	nein	

# ECMS community testing

## Notes on testing using the 4-eyes principle

- At present, the **4-eyes principle is not working in the ECMS as it should**. Tests should therefore be conducted initially using the **2-eyes principle**.
- For the time being, please **do not** create **any further users with the role of “validator”** (4-eyes principle) in the ECMS.
- Instead, use the **“supervalidator”** role (2-eyes principle).
- When new users are created, ensure that they are **always assigned the “supervalidator” role and a business role**. Otherwise, no users can be created.
- We will let you know as soon as the 4-eyes principle is working.

# ECMS community testing

## Errors when carrying out test cases

If **errors** occur when carrying out test cases, proceed as follows:

1. Document the error in the incident template
  - Include screenshots
  - You can find the template on the Bundesbank's website under [Test and Migration](#)
2. Send the incident template by email to [ecms-test@bundesbank.de](mailto:ecms-test@bundesbank.de)

# ECMS community testing

## Bundesbank support (1/3)

- The Bundesbank will provide **support for institutions testing during an allotted test cycle**.
- Support for those banks that are testing **outside of their test cycle** will be **limited** and will be provided on a “best effort” basis.

**Testsupport durch die Deutsche Bundesbank je Kundentestgruppe und freigebener Funktionalität v2.1**

Stand 29.01.2024

Bitte beachten Sie, dass diese Übersicht eine Information über die Zeiten des garantierten, **besonderen Geschäftspartnersupports** für die **Gruppen A, B und C** bietet. Sie repräsentiert **nicht** den gesamten Testzeitraum.

		CTP2c End-to-End 14.12.2023 - 12.04.2024									
Woche		50	51	52	1	2	3	4	5	6	7
Start		14.12.	18.12.	27.12.	02.01.	08.01.	15.01.	22.01.	29.01.	05.02.	12.02.
Ende		15.12.	22.12.	29.12.	05.01.	12.01.	19.01.	26.01.	02.02.	09.02.	16.02.
Testset Kundengruppe	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung	Wertpapier- belieferung
		A B C D*	A B C D*			A B C D*	A B C D*	A B C D*	A B C D*	**	**
		Maximum CreditLine	Maximum CreditLine	Maximum CreditLine	Maximum CreditLine	Maximum CreditLine	Maximum CreditLine	Maximum CreditLine	Maximum CreditLine	Maximum CreditLine	Maximum CreditLine

# ECMS community testing

## Bundesbank support (2/3)

### Contact options:

#### Email:

[ecms-test@bundesbank.de](mailto:ecms-test@bundesbank.de)

#### Hotline:

+49 (0)69 2388 1315

Open Monday to Friday from 13:00 to 16:00 CET

If the **ECMS is not available for testing**, we will inform you immediately by **email**.

Possible reasons:

- Migration testing
- Unscheduled software deployments

We will also notify you by **email** once the test environment is available again.

# ECMS community testing

## Confirmation of test completion by institutions

Institutions should communicate their **test results** to the Bundesbank by **responding to an online survey**.

- The survey will stay open until the end of customer testing.
- As new functionalities in the ECMS are released for testing, new fields will be activated in the survey to allow institutions to report their results.
- We will send out reminders about the survey at appropriate points during community testing.
- **Proof of the test results** does not need to be submitted to the Bundesbank.



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

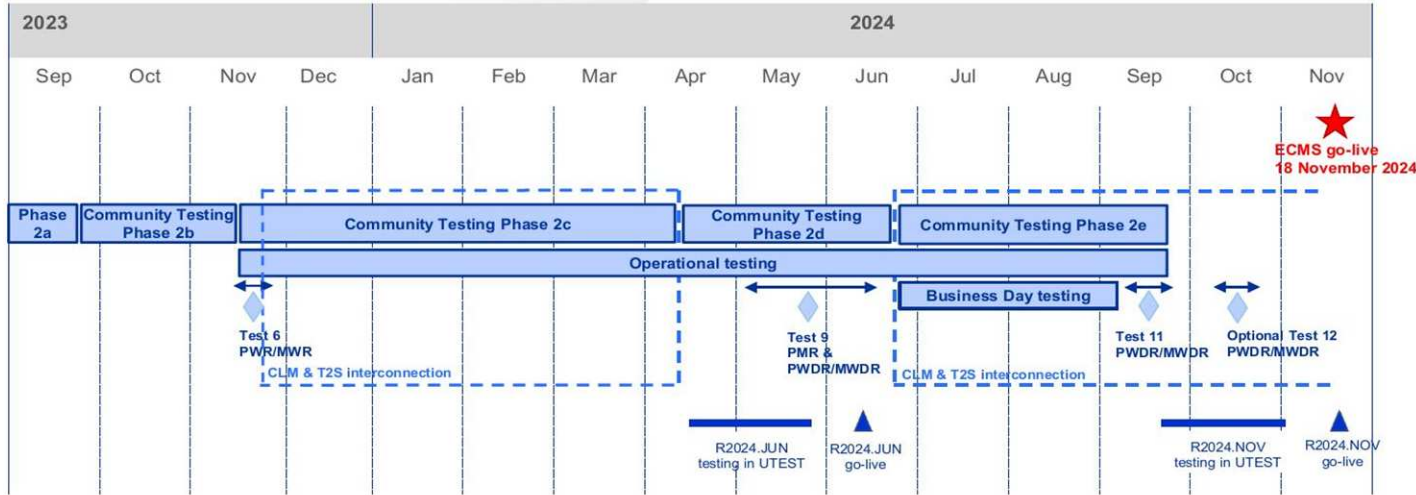


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### ECMS User Testing plan for Pre-Prod



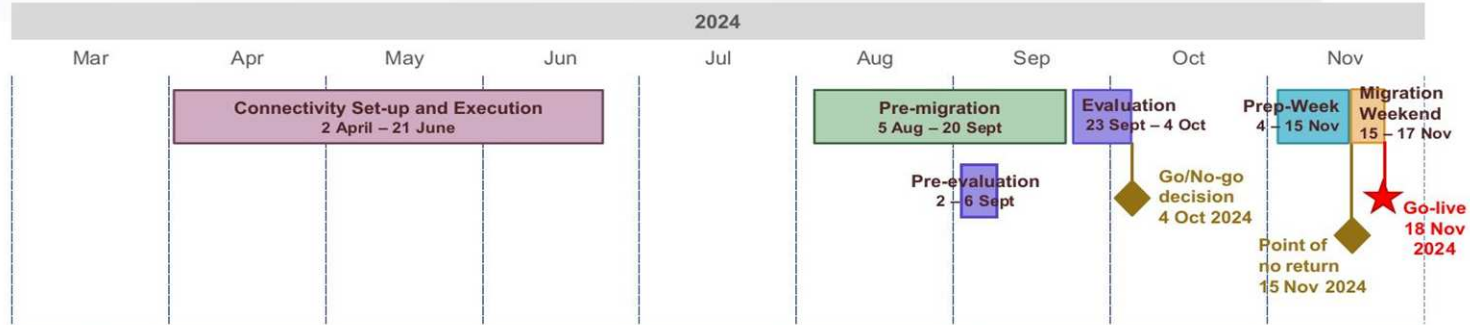
The duration of User Testing phases (Community testing phase 2, Business day and Operational testing) includes time needed to execute migration testing. The ECMS Pre-Prod environment remains available for testing after the end of CTP2e for elements which are not critical for the decision to go live.

Test number	Type of test	Who is involved?	Start date	End date
<b>Test 9</b>	PMR	NCBs Counterparties	02.05.2024 Not before 27.05.2024	07.06.2024 07.06.2024
	PWDR	NCBs, CSDs	10.06.2024	21.06.2024
	MWDR	NCBs, CSDs, TPAs	21.06.2024	23.06.2024
		Counterparties	23.06.2024	23.06.2024
<b>Test 11</b>	PWDR	NCBs, CSDs	09.09.2024	20.09.2024
	MWDR	NCBs, CSDs, TPAs	20.09.2024	22.09.2024
		Counterparties	22.09.2024	22.09.2024
<b>Test 12 (optional)</b>	PWDR	NCBs, CSDs	07.10.2024	18.10.2024
	MWDR	NCBs, CSDs, TPAs	18.10.2024	20.10.2024
		Counterparties	20.10.2024	20.10.2024

**PWDR** = Preparation week (dress) rehearsal, **PMDR** = Pre-migration dress rehearsal,\* **PMR** = Pre-migration rehearsal  
**MWDR** = Migration weekend dress rehearsal,\* **MWR** = Migration weekend rehearsal

\* Dress rehearsal: same timeline as for the Prod environment

## ECMS migration plan



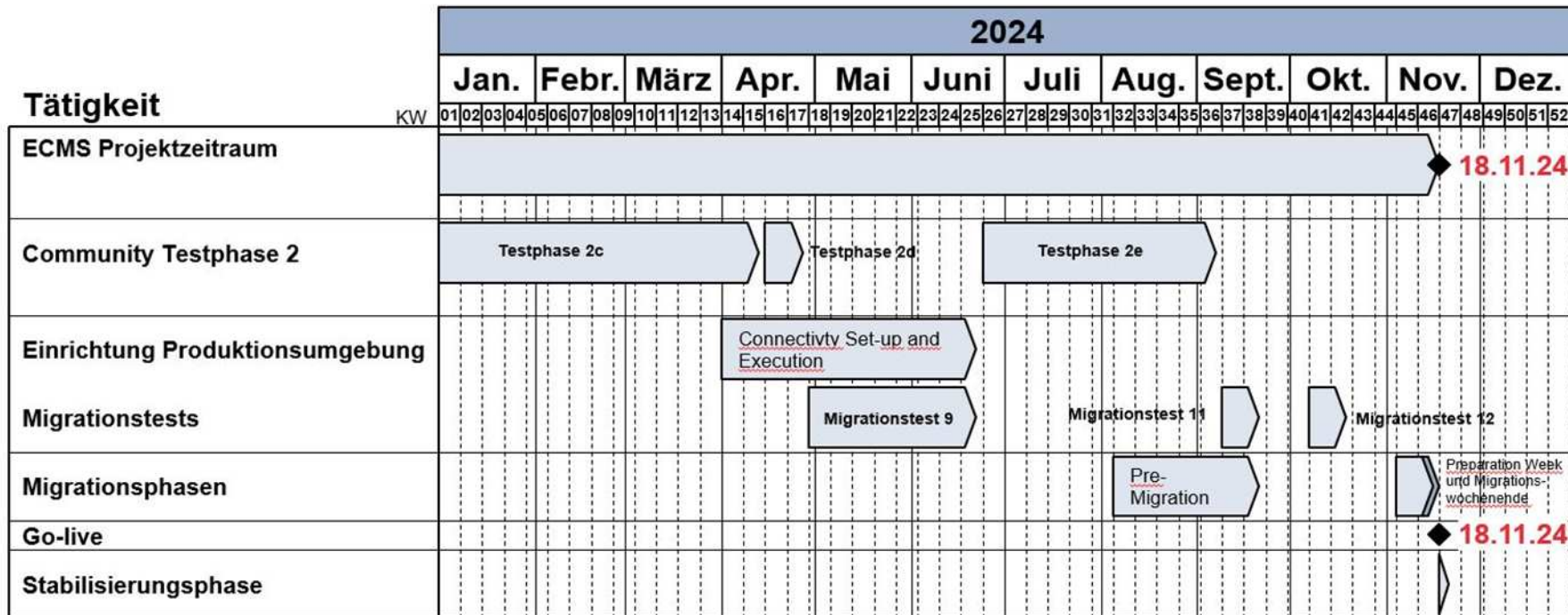
Connectivity Set-up and Execution for production is not considered a migration activity but is a pre-requisite for executing migration and for the go-live.

Pre-migration activities refer mostly to the set-up of reference data.

Evaluation phase is the phase in which the MIB will assess the go/no-go decision, based on prepared reports (starting in pre-evaluation).

To prepare for the Migration Weekend, some activities need to be performed before the actual start of the weekend, for example to actualise the database.

During the Migration Weekend all activities related to transactional data migration will be executed.



Source: Deutsche Bundesbank

“**Big bang**” migration of all Eurosystem NCBs in November 2024:

ECMS go-live date: **18 November 2024**

### Migration phases:

1. Connectivity set-up and execution including migration of master data part 1, and creation of A2A users and user administrators by the Bundesbank
2. Pre-migration phase: migration of the remaining master data and creation of additional users
3. Migration weekend: migration of holdings
4. Post-migration

- NCBs will migrate all **Friday EoD holdings** to the ECMS.
- **Custodians (CSD accounts)** remain **unchanged**. Using the ECMS, they will simply be managed by a new system.
- **Construction of the Prod environment will run in parallel to customer testing in the UTEST/Pre-Prod environment.**
- **No outstanding transactions on the migration weekend:**
  - (De)mobilisations must have been completed by Friday or by the date yet to be announced; otherwise, they must be executed on the following Monday.
  - As things stand now, there is no general requirement for all counterparties to participate.
- **Migration phases 2 to 4** are essentially **NCB-internal** processes. Counterparty participation is needed in terms of creating ECMS users and may be required for reconciliation of reference data in the pre-migration phase. The implications for CSDs and TPAs will be more substantial.



## Connectivity set-up and execution phase

1. Customer-side preparations must be completed by start of phase: set-up at NSP level, registration form for Prod environment submitted.
2. Bundesbank migrates master data required for connectivity and creates the A2A and U2A users named in the registration forms for the ECMS Prod environment with their first DN\* certificate.
3. You may only execute activities in the Prod environment that are assigned to you by the Bundesbank.
4. Execution of activities assigned by the Bundesbank in the Bundesbank-specified time windows: connectivity expected to start **from the beginning of May 2024 after Bundesbank gives go ahead, connectivity testing (U2A, A2A) carried out until 31 May 2024. Please complete these steps promptly.**
5. Set-up of second DN\* for user administrators set up by Bundesbank, as well as A2A users if desired/required (see slide 34).

\*DN = distinguished name

### Implementation of one user multiple DNs (change request 0084) when ECMS goes live:

- All users are currently set up with **a single DN** (U2A and A2A users) in the ECMS UTEST/Pre-Prod environment.
- A software adjustment for the change request in the ECMS will be made available in the **customer testing environment** in March 2024. After the Bundesbank gives the go ahead, institutions that will use multiple DNs must subsequently record these themselves in the ECMS. This will likely be possible in **UTEST** between **1 and 26 April 2024** (before migration test 9); adjustments will be possible during migration test 9, but A2A cannot be tested. It is possible that further adjustments will be made after migration test 9.
- **Prod environment:** similar procedure – admin users named in the registration form will be set up with a DN by the Bundesbank, additional DNs will be added by the institution users themselves. This will be possible from **the beginning of May to 1 August 2024**.
- **Note:** please (almost) complete the adjustment in UTEST before adding DNs to users in ECMS Prod.

Upcoming activities for counterparties	When?	Remarks
<b>Requesting and setting up ESMIG user certificates (incl. DNs)</b>	If still outstanding	To be set up before <b>01.04.2024</b> and specified in registration form
<b>Returning registration form incl. providing user DNs for ESMIG Prod</b>	Deadline already expired	In the event of changes, notify us of deltas in writing (by mailing the registration form to <a href="mailto:ecms-migration@bundesbank.de">ecms-migration@bundesbank.de</a> )
<b>Setting up NSP for ECMS Prod</b>	If still outstanding	
<b>e-ordering CGU, SWIFT or Nexi</b>	If still outstanding	
<b>Testing A2A and U2A connectivity</b>	Once the Bundesbank provides notification	Please carry out connectivity testing swiftly
<b>Confirming connectivity testing to Bundesbank (A2A and U2A)</b>	From 06.05.2024 (or after go ahead from the Bundesbank) to 31.05.2024. By responding to electronic survey sent	The Bundesbank must send the ECB weekly connectivity status updates during this period

Upcoming activities for counterparties	When?	Remarks
<b>Setting up further institution users/U2A incl. DNs</b>	After Bundesbank gives go ahead, probably from 05.08 to 20.09.2024	Pre-migration phase
<b>Migration weekend preparation week</b>	From 04.11 to 15.11.2024	No activities for counterparties
<b>Migration weekend</b>	From 16.11 to 17.11.2024	Weekend activities only for certain counterparties
<b>ECMS go-live date</b>	<b>18.11.2024</b>	
<b>Post-migration</b>	From 18.11 to 22.11.2024	

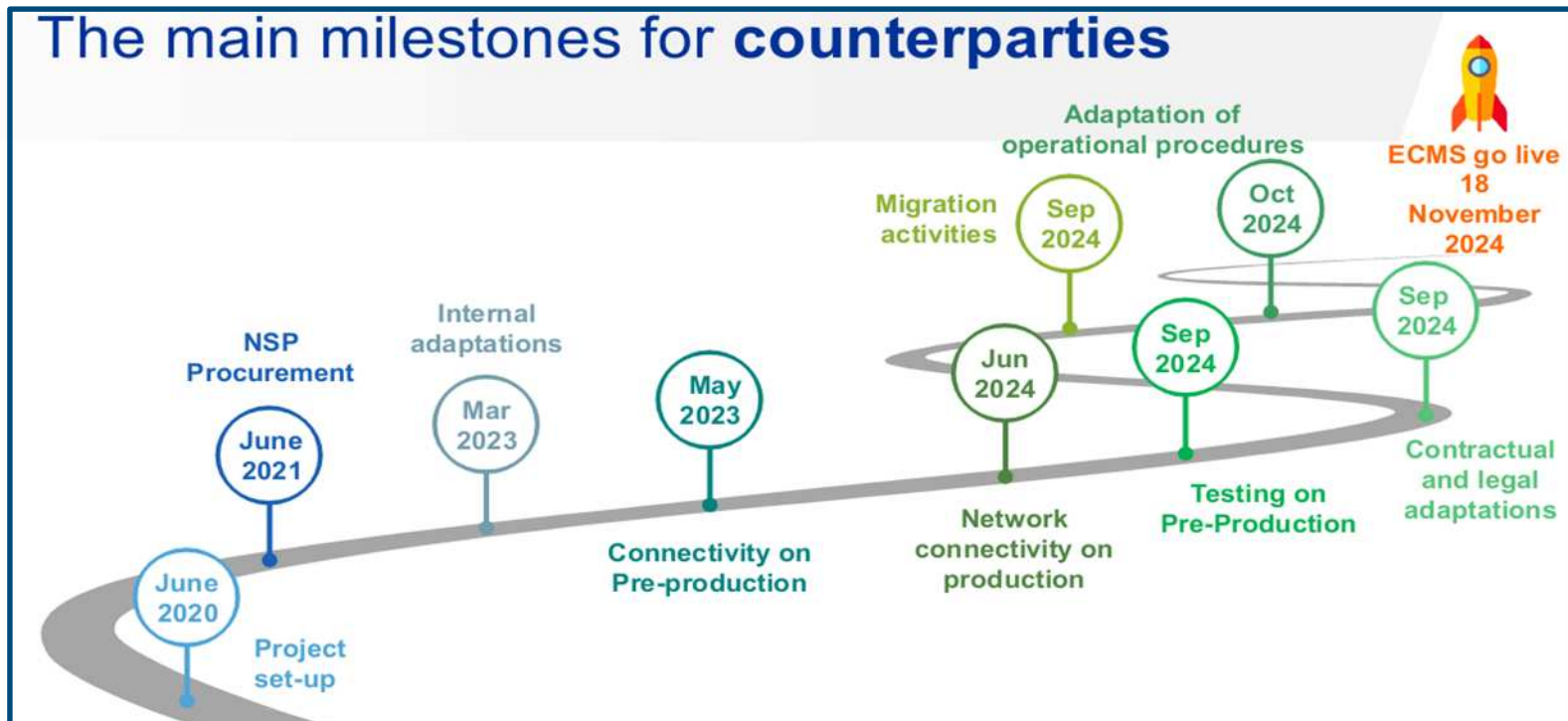
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5. **Community readiness – how ready is the market?**



Source: [www.ecb.europa.eu](http://www.ecb.europa.eu)

### Bundesbank-specific survey:

- On **29 January 2024**, an **ECMS community readiness survey** was sent to our contact persons (RMAs\*/CMAs\*).
- The survey focused on **Bundesbank-specific questions**.
- The deadline for responses was Monday, **26 February 2024**.

### Next ECB community readiness surveys:

- The next surveys on monetary policy counterparties' readiness to **go live with the ECMS** are scheduled for **June** and **September this year**.
- Going forward, **testing and migration** milestones will no longer be surveyed as part of community readiness monitoring, but only via the **existing surveys** on testing status and migration preparations.



**Key topics** in the current survey:

- ✓ Assessment of how the project is progressing towards **the ECMS going live** in November 2024
- ✓ Feedback on **ECMS connectivity**
- ✓ Relevance for the **use of CR 0084** (ECMS users with multiple (DN\* = certificates))
- ✓ **Ascertia Go>Sign Desktop Client, version 6.9.0.20**
- ✓ Feedback on whether **milestones from earlier reporting cycles have been met**

\*DN = distinguished name

# ECMS

## ECMS users with multiple DNs (CR 0084)

Thus far, it **is not** technically possible to connect one ECMS user to **multiple (DNs = certificates)** in **the ECMS**.

As a result, it **is not** possible **to** address **multiple gateways** in the ECMS, which means that if one gateway is unavailable, another can be used as a fallback solution.

### Example for U2A connectivity:

- An ECMS user has **one DN** for the **Prod SAG\*** and **another DN** for the **fallback SAG\***.
- The credit institution would have to decide which **DN** should **be registered in the ECMS** for each **user**. Depending on which **gateway (Prod/fallback)** might **not** be available in a given situation, the user may not be able to connect to the ECMS.
- Change request (CR) No 0084 remedies this restriction in the ECMS.
- This CR will be implemented when the ECMS goes live. **This means** that connectivity **with multiple DNs** will be implemented in the ECMS test environment UTEST at the beginning of the testing phase **in spring 2024**.

\*SAG = SWIFT Alliance Gateway

### Digital signature (NRO) for critical transactions

- In order to ensure non-repudiation of origin (NRO) for **critical transactions**, the use of a digital signature has been implemented for certain screens.
- This means that users will be asked to enter a **PIN** for signature purposes whenever an instruction is initiated. With the entry of the PIN, the ECMS attaches a **digital signature** to the instruction entered by the user.
- Users will have to install **Ascertia Go>Sign Desktop Client, version 6.9.0.20** on their workstation in order to be able to use the ECMS via U2A for screens subject to a digital signature.
- Ascertia is the single **NRO solution for all TARGET Services**. In other words, the same version of the Ascertia Go>Sign Desktop client is used for the various TARGET Services.
- To ensure that **participation** in ECMS testing runs **smoothly**, we recommend that you **install the software in good time**. All users who are authorised to access the ESMIG portal can **download** it.
- For more information on downloading the software, consult the **ECMS User Handbook Customer Testing Phase**: [Eurosystem Collateral Management System \(ECMS\): Leitfaden für die Kundentestphase \(bundesbank.de\)](#).

– The Bundesbank is offering **remote specialist training courses** on **corporate actions** and **reporting** in **Q1/Q2 2024**.

- Dates for the ECMS specialist training course on **corporate actions**

<b>29 February</b>	<b>10:00 to 12:00</b>
<b>7 March</b>	<b>10:00 to 12:00</b>

- More detailed information will be sent to counterparties in good time.

– The **ECMS Customer Forum – User testing** has been set up.

- Purpose: to provide a platform for counterparties to discuss issues related to tests.
- The Bundesbank is hosting this forum on **WebEx**.
- These **remote sessions** take place on **the second Monday of the month**.

- Publication of **accompanying materials to support testing**: [Test and Migration | Deutsche Bundesbank](#) (under the heading “Downloads and further information” at the end of the page)
- **Bundesbank training documents** on various ECMS functions: [Participant information | Deutsche Bundesbank](#) (under the heading “Training sessions” at the end of the page)
- New version of the **“ECMS User Handbook Counterparties”** for the ECMS Prod environment (valid from 18 November 2024)
- Continuous update of [Bundesbank releases for ECMS customer tests](#)

Q1 2024		Q2 2024		Q3 2024		Q4 2024	
	<ul style="list-style-type: none"> <li>◆ Strategy for ECMS Migration and Testing</li> <li>◆ ECMS User Testing Terms of Reference for PreProd</li> <li>◆ ECMS UT Fundamental Test Cases</li> </ul>					<ul style="list-style-type: none"> <li>◆ ECMS UHB for Counterparties</li> </ul>	
If the document has been updated	}	Explainer on business configurations	◆		◆	Go-live version	
		Catalogue of Messages	◆		◆	Go-live version	
		Business Rules in the ECMS	◆		◆	Go-live version	
		Status codes in the ECMS	◆		◆	Go-live version	

Source: [www.ecb.europa.eu](http://www.ecb.europa.eu)

### Public Bundesbank information

- Landing page “ECMS Eurosystem Collateral Management System”  
<https://www.bundesbank.de/en/tasks/payment-systems/eurosystem-collateral-management-system/ecms-723744>
- Collection of over 40 BBk and ECB publications in five different areas, including the [ECMS User Handbook Counterparties UHB V1.1](#)
- Participant information (remote BBk training events)  
<https://www.bundesbank.de/en/tasks/payment-systems/eurosystem-collateral-management-system/participant-information>
- Test and Migration (ECB information)  
<https://www.bundesbank.de/en/tasks/payment-systems/eurosystem-collateral-management-system/test-and-migration>
- [Documentation & FAQs](#) (functional/technical documentation, further information from the ECB, FAQs)  
<https://www.bundesbank.de/en/tasks/payment-systems/eurosystem-collateral-management-system/documentation-faqs-ecms>
- [Harmonisation initiatives](#) and [ECMS community readiness monitoring](#)

### Further information from the ECB

- [www.ecb.europa.eu/paym/target/ecms/profuse/](http://www.ecb.europa.eu/paym/target/ecms/profuse/)

**Thank you very much for your attention.**

If you have any questions, please do not hesitate to contact us.



**Contact**

General questions on the ECMS

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