Testing the new T2 system

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Overview

1.

Current Status

Current Status

Reaching the Key Milestones

- **Completion of CSLD.NCO2:** all participants should have completed their connectivity to the T2 Test Environment

- **Completion of CSLD.IST2**: all participants should have completed their training for the User Testing activities.

- **Start of CSLD.UTA1:** Participants will also have commenced User Testing.

User Testing began on 1 December

- NCBs are now performing the pre-migration in the test environment and inserting the reference data from the **Registration form**.

➡ This allows us to prepare for the **production pre-migration**.

2.

User Testing Organisation

User Testing

- User Testing is a **stage in the development of the system** which allows the users to **test** in an environment **as close to production as possible.**

- User Testing is split into **three phases:**

Connectivity ✔ **Community** **Business Day**

User Testing

Community **Business Day**

Throughout these stages **the participants can test the system end to end** with the **support of the Eurosystem** (at first instance their National Central Bank).

- **Migration** Testing (Both Pre-migration and migration)
- **Operational** Testing (Operational related tests)
- **Co-ordinated** Testing (Billing, Ancillary Systems)
- **Volume** Testing (on request)
- **Mandatory Test Cases**
- **Business Day** Testing

3.

Documentation

Documentation

Key testing documents are <u>all</u> available on the ECB Website:

⟹ under Payments and Markets

⟹ T2-T2S Consolidation

⟹ For professional Use

Documents and links
› 📄 Terms of reference for user testing
› 📄 Mandatory Test Cases for T2 Participants
› 📄 TARGET registration and onboarding guide

4.

Registration

Registration

Participants have already registered for the test environment by filling in the Registration form.

The **Registration and onboarding Guide** contains a description of every reference data field in the Common Reference Data Module and explains the **configuration** that can be done by the participants after they have been registered in the system.

o The Eurosystem will provide an **updated version** of the Registration form and a new version of the Registration and Onboarding guide for **Production**.

o Participants are asked to pay close attention to the guide and to contact your national service desk for any questions.

5.

Migration Testing

Migration Testing

During the User Testing period **the Eurosystem will rehearse** the activities of the go-live in a set of rehearsals.

I — The reference data set-up activities will be rehearsed in a series of tests known as the **Pre-Migration** rehearsals.
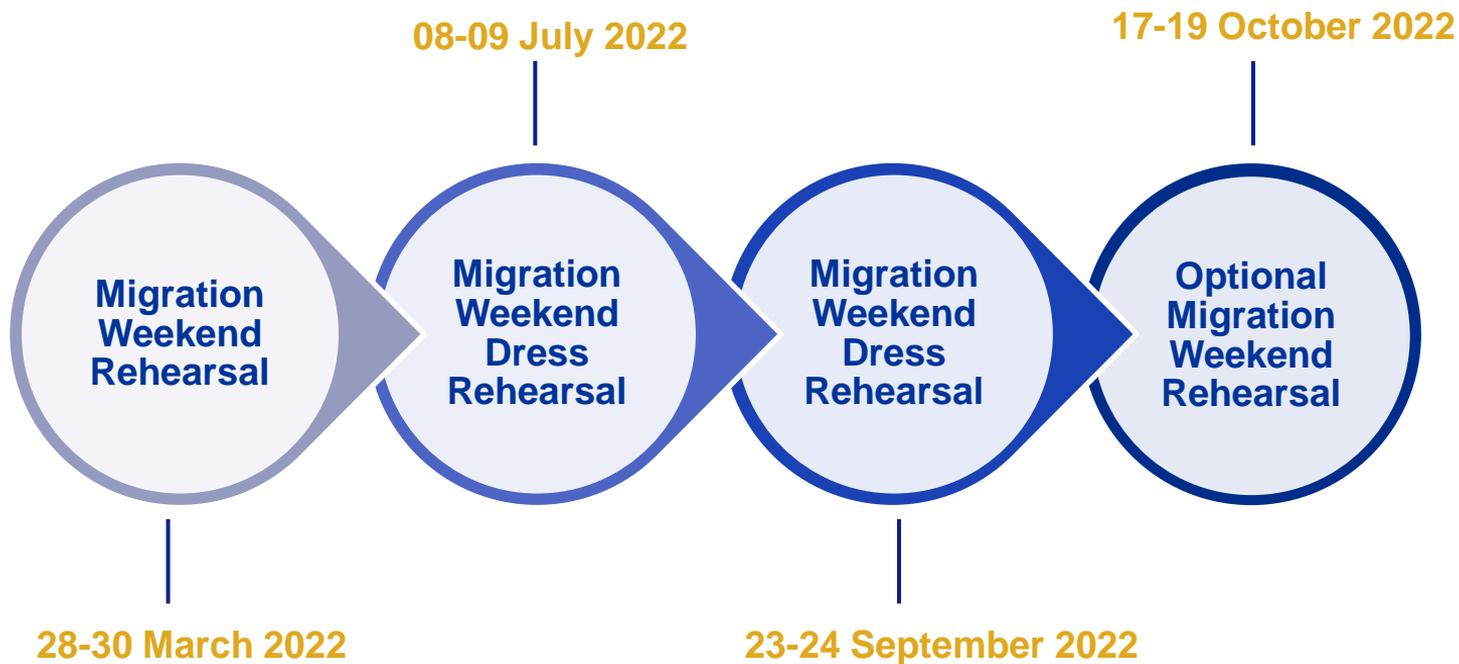
II — The activities related to the go-live date including the cutover from TARGET2 to T2 and the connection of the other TARGET Services will be tested in the **Migration** rehearsals.

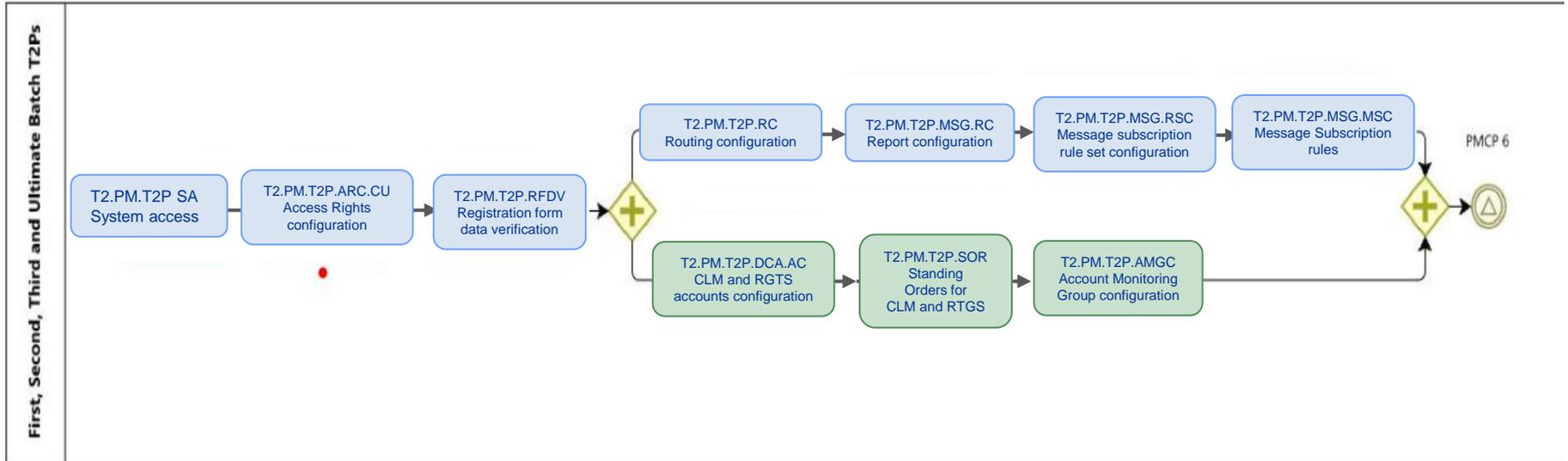**III** — The **assistance** of the T2 Participants will be required in some cases and your National Central Bank will co-ordinate the activities.

Migration Rehearsals

08-09 July 2022

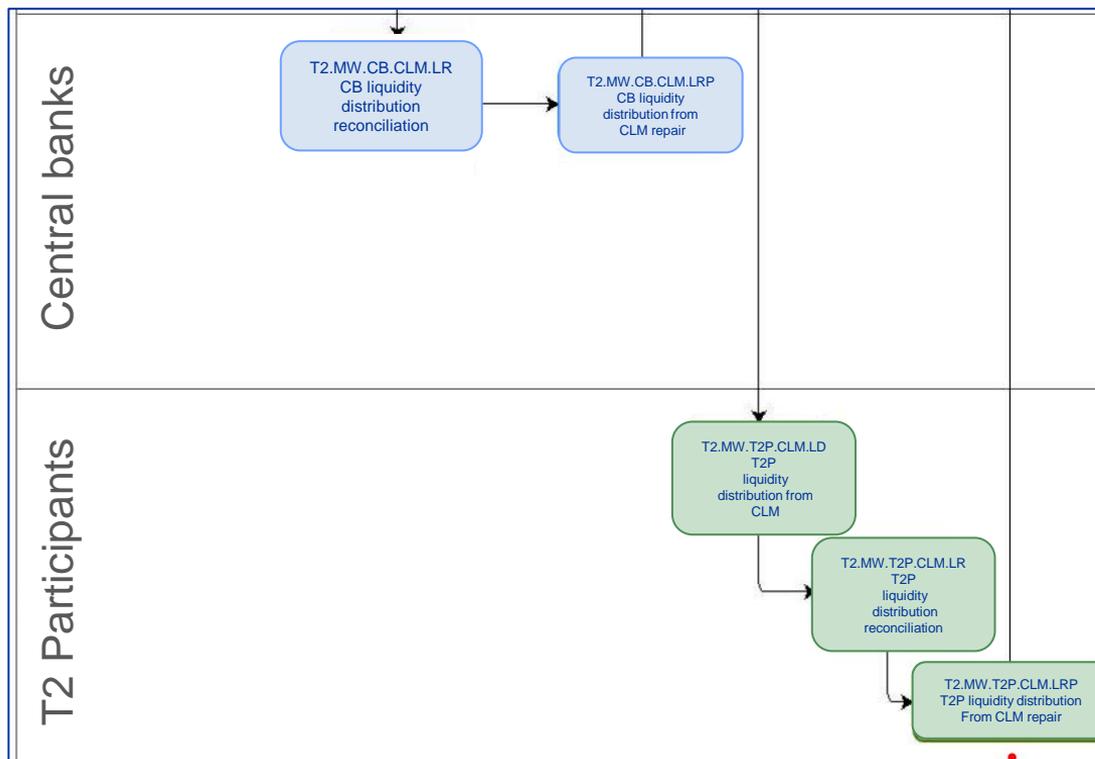17-19 October 2022

Migration Weekend Rehearsal

Migration Weekend Dress Rehearsal

Migration Weekend Dress Rehearsal

Optional Migration Weekend Rehearsal

28-30 March 2022

23-24 September 2022

Pre-Migration Rehearsal

First, Second, Third and Ultimate Batch T2Ps

- T2.PM.T2P SA — System access
- T2.PM.T2P.ARC.CU — Access Rights configuration
- T2.PM.T2P.RFDV — Registration form data verification
- T2.PM.T2P.RC — Routing configuration
- T2.PM.T2P.MSG.RC — Report configuration
- T2.PM.T2P.MSG.RSC — Message subscription rule set configuration
- T2.PM.T2P.MSG.MSC — Message Subscription rules
- T2.PM.T2P.DCA.AC — CLM and RGTS accounts configuration
- T2.PM.T2P.SOR — Standing Orders for CLM and RTGS
- T2.PM.T2P.AMGC — Account Monitoring Group configuration

PMCP 6

Pre-Migration Rehearsal

ID	T2.PM.T2P.ARC.CU
Activity Name	Access Rights Configuration
Activity Group	System access and registration data form verification (T2 participants)
Actor	T2 participant admin
Data configuration (U2A)	U2A: Common → Access Rights Management → Users → New Common → Access Rights Management → Grant/revoke roles → New/edit Common → Access Rights Management → Certificate Distinguished Names → New
Description	The T2 participant admin will configure the access rights at user level, in order to assign the appropriate roles to all users of given party with the following tasks: - Create and maintain user - Grant (and revoke) the (default and additional) roles - Create certificate DN - Create user certificate DN link
Prerequisites	T2.PM.T2P.SA
Next activity (i.e. activities for which this is a prerequisite)	T2.PM.T2P.RFDV
Next PMCP	PMCP6

Optional	No (except for co-managees)
Reference UDFS	CRDM 1.2.2.1.4 User CRDM 1.2.2.3.2 Configuration of access rights at user level
Reference UHB	CRDM UHB v2.0 2.3.3 Access Rights 2.3.3.3 User – New/Edit Screen 2.3.3.5 Certificate Distinguished Name – New Screen 2.3.3.5 Certificate Distinguished Name Links – New Screen 2.3.3.15 Grant/Revoke Role – New/Edit Screen
Reconciliation means	The participant Admin can go to Common → Access Rights Management → Users and check the search/list screen to verify the user was created. Click on the users details to verify the role assigned to the user.
Related privileges	Create Certificate Distinguish Name Create Role Create User Create User Certificate Distinguish Name Link User Certificate DN Link Query Access Rights Query Update User Privilege Query
Required role	AH ESMIG Access AH Access Rights Admin Party Administrator

Migration Weekend Rehearsal

Migration Weekend activity – T2.MW.T2P.CLM.LR – T2P liquidity distribution reconciliation

Migration Weekend Rehearsal

ID	T2.MW.T2P.CLM.LR
Activity Name	T2P liquidity distribution reconciliation (optional)
Activity Group	T2 participant activity
Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	T2 participant user will verify that the liquidity transfers have settled in T2. If a T2 participant identifies an incorrect balance, the T2 participant must verify that the instruction was correctly executed. If there is an issue that is preventing the T2 participant from reconciling the balance, the T2 participant should report this to its National Service Desk in order to identify the root cause and to remedy the error. This activity is optional, i.e. only required if the T2 participant has initiate immediate liquidity transfers.

6.

Testing Campaigns

Testing campaigns

During the **User Testing Period** the Eurosystem will organise specific **testing campaigns**:

Volume Testing – for participants who wish to send and receive a large amount of traffic from the system.

Ancillary Systems – ensuring that the ancillary systems are able to test their use cases under production-like conditions.

Billing – ensuring that all billable items are created and reflected accurately in the invoice and ensuring that all invoices are correctly delivered.

Billing Testing Campaign

One week billing period:

- All billable items will be booked

- All applicable charges will be confirmed

- Manual corrections will be performed by the NCBS

- Invoice from Camt.077 or in PDF format

⇒ The Eurosystem will share a **dedicated document** which will include the dates.

Ancillary System Testing Campaign

Dedicated testing period from **11-29 July 2022**

- **All Ancillary Systems** will be requested to take part.

- **All of the procedures** will be tested.

➡ **Dedicated document** to be released.

- Time to prepare as the **procedures run every day** in the test environment.

- Procedures can also be tested post campaign but this period will be the most production-like due to high participation.

Volume Testing

- Participants may request a window from the Eurosystem in which they can send **large volumes of payment instructions** to the test environment.

- **Procedure**:

  o The system will generate **large volume of responses** which participants can then integrate into their system.

  o After the request is made, the Eurosystem will confer and provide the requester with the **slot**.

- **Objective**: testing the participants' ability to manage a large volume of responses from the system. This is not volume testing of the T2 system (which is carried-out by the service provider)

Business Day Testing

- The **synchronised standard day** is the specific test schedule for the T2 Test environment. It allows for an earlier change of business date to assist testing.

- During **Business Day Testing** the test environment will follow the schedule of the Production T2 environment. This allows for the **testing of integrated systems** in preparation for Production.

- The timing of this test period has not yet been confirmed, NCBs will inform the communities.

7.

Mandatory Test Cases

Mandatory Test Cases

The Eurosystem has devised **a set of Mandatory Test Cases** for participants

- Participants are asked to perform these tests successfully and to **submit the evidence** to their National Central Bank. **Successful performance** of these tests is **mandatory** in order <u>to be allowed to go-live in Production</u>.

- The Eurosystem will provide a dedicated slot in the **Testing Calendar** for performance of these tests. Participants are advised not to leave it too late.
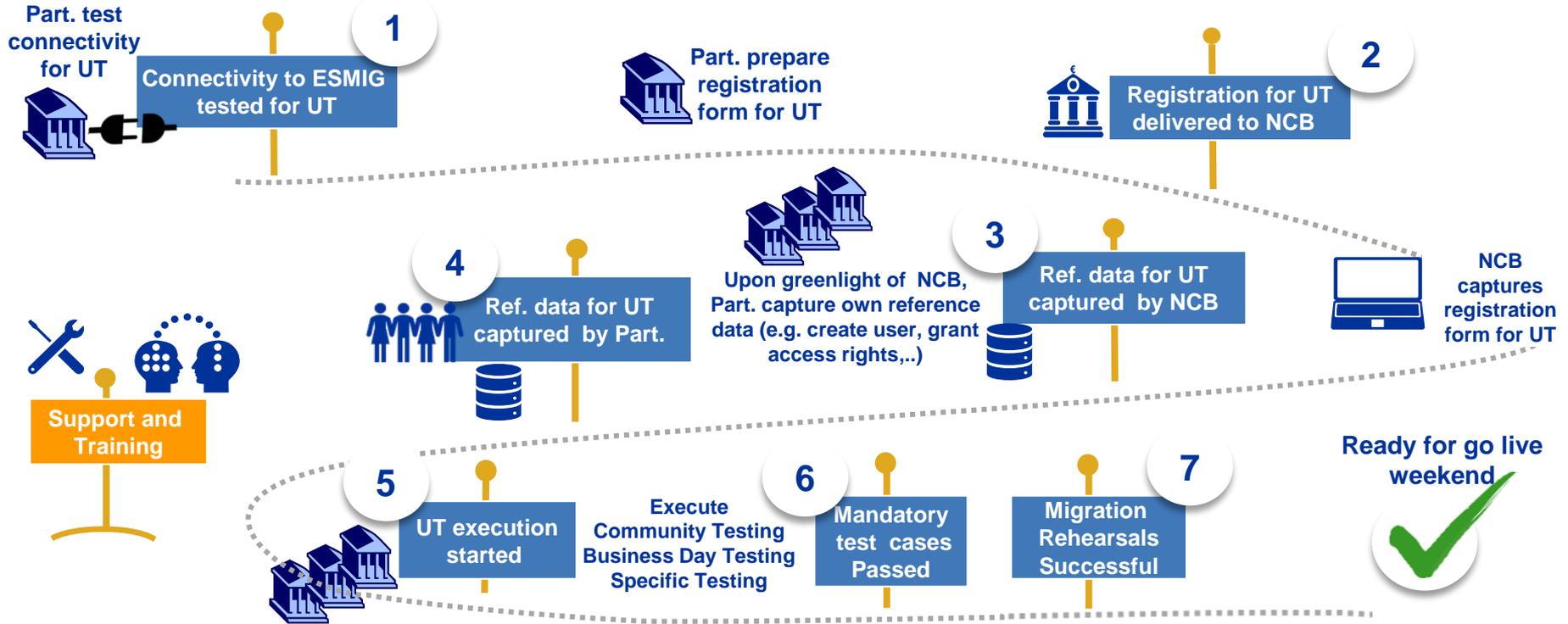
- This is <u>not</u> an exhaustive set of test cases and in some cases the National Central Banks have **added further authorisation test cases** to the test suite.

8.

Upcoming Milestones

Your journey in UT: 7 critical steps

Part. test connectivity for UT

1 Connectivity to ESMIG tested for UT

Part. prepare registration form for UT

2 Registration for UT delivered to NCB

4 Ref. data for UT captured by Part.

Upon greenlight of NCB, Part. capture own reference data (e.g. create user, grant access rights,..)

3 Ref. data for UT captured by NCB

NCB captures registration form for UT

Support and Training

Ready for go live weekend

5 UT execution started

Execute Community Testing Business Day Testing Specific Testing

6 Mandatory test cases Passed

7 Migration Rehearsals Successful

Upcoming Milestones

- Participants will commence their connectivity testing to production on 1 May 2022 (**CSLD.NCP01**).

- Connectivity to production must be proven before 31 July 2022 (**CSLD.NCP02**).

- The Pre-Migration in production commences on 22 August 2022 (**CSLD.MIG1**).

Thank you for your attention!

Questions?

- Via the chat <u>or</u>
- E-mail to <u>MIP.events@ecb.europa.eu</u>