

# T2-T2S Consolidation

TEST & MIGRATION

12-10-2021

DeNederlandscheBank

EUROSYSTEEM

## Relevant documentation

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- [T2 Migration Testing and Readiness Strategy v2.0](#)
- [Terms of reference for user testing](#)
- [Mandatory Test Cases for T2 Participants](#)
- [TARGET registration and onboarding guide](#)
- Registration Form – via email.
- [Explainer on Co-Management](#)
- [Explainer on Co-Management – Example Scenarios](#)
- [Explainer on distinguished name and authentication](#)
- [Explainer on automated and rule-based liquidity transfers](#)



# Migration

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T2-T2S Consolidation Training Session

# Agenda

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- 1 Scope of the Migration
- 2 The transfer of balances including credit lines
- 3 The initialisation of Reserve Management related data
- 4 The possible outstanding overnight deposits and marginal lending
- 5 The migration testing MWR/MWDR

# 1 Scope of the Migration

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# 1 Scope of the Migration

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- Use of new party/cash account reference data model and transactional data model by T2 Service due to implementation of Common Reference Data Management (CRDM)

→ Requirement for migration of data from TARGET2 database to new database used by the Central Liquidity Management (CLM)

# 1 Scope of the Migration

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Automated migration for balances to CLM of the T2 Service is provided in order to:

- Ensure the efficient migration of a substantial volume of data
- Minimise human intervention in order to reduce the migration risk and the potential to manipulate data accidentally

# 1 Scope of the Migration

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The Migration Balance Tool (MBT) provides an automated migration of:

- Payments Module (PM) account balances
- Home Accounting Module (HAM) account balances
- Standing Facilities Module (SFM) account balances: overnight deposits (OD) and marginal lending (ML – both automatic and on request)
- TARGET2 fixed credit lines in place at the end of the business day prior to the go-live that must be reimbursed on go-live date of the T2 Service
- All Reserve Management Module (RMM) end-of-day balances from the start of the minimum reserve maintenance period that is running on the T2-T2S Consolidation go-live date



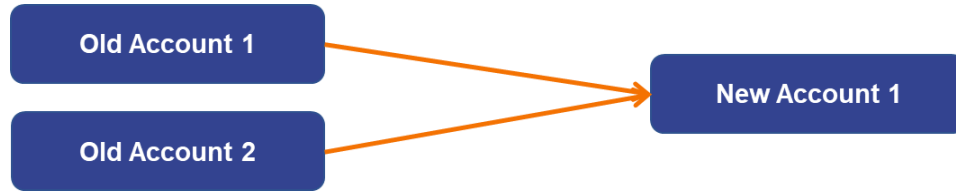
# 1 Scope of the Migration

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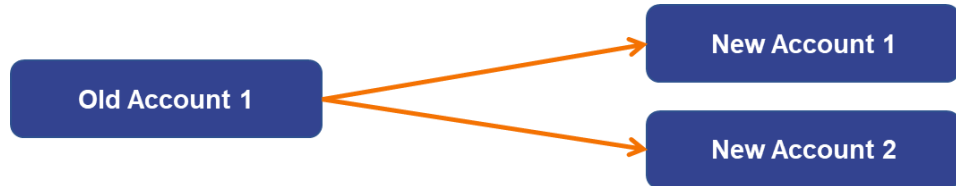
a) One-to-one conversion



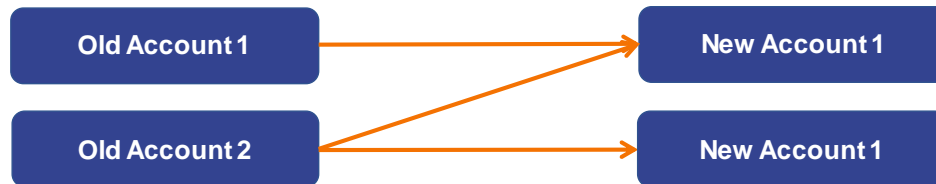
b) Many-to-one conversion



c) One-to-many conversion (**not supported by automated migration**)



d) Many-to-many conversion (**not supported by automated migration**)



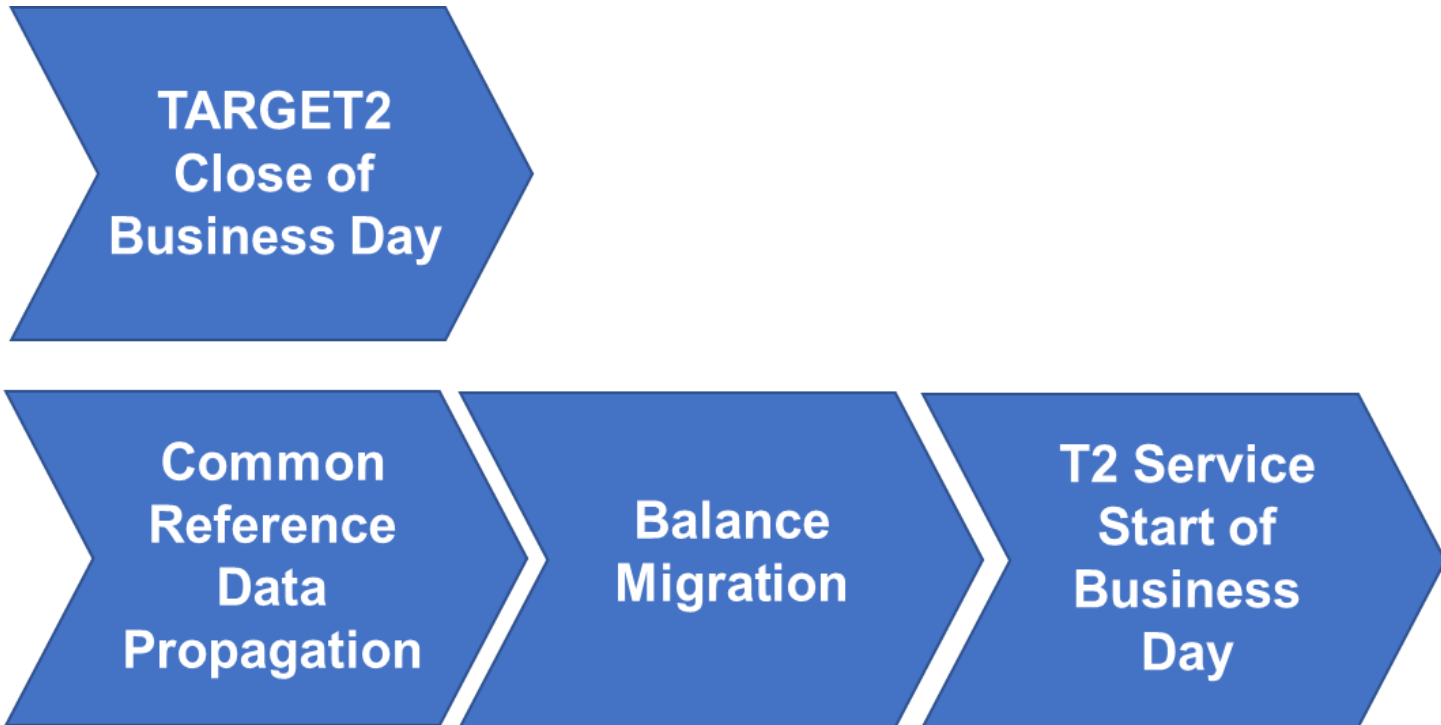
# 2 The transfer of balances including credit lines

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## 2 The transfer of balances including credit lines

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High-level migration sequence:



The Pre-Migration Schedule and a Migration Weekend Playbook for the T2-T2S Consolidation go-live will define the sequencing and timing of the migration

## 2 The transfer of balances including credit lines

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Standardised csv file „National Mapping Table“ (NMT) to be provided by each NCB for **all accounts** within its remit used for the transfer of:

- PM/HAM account balances
- Balances on technical accounts (e.g. ECB mirror accounts, transit accounts, etc.)
- Outstanding standing facilities
- Fixed credit lines
- Daily relevant balances for the calculation of minimum reserve fulfilment

TARGET2/SSP Account number	T2 Account number
Input placeholder	Input placeholder

## 2 The transfer of balances including credit lines

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Completion of relevant reference data setup in CRDM in the pre-migration phase



Validation of mapping tables against CRDM data during the pre-migration to ensure validity and completeness of each NMT



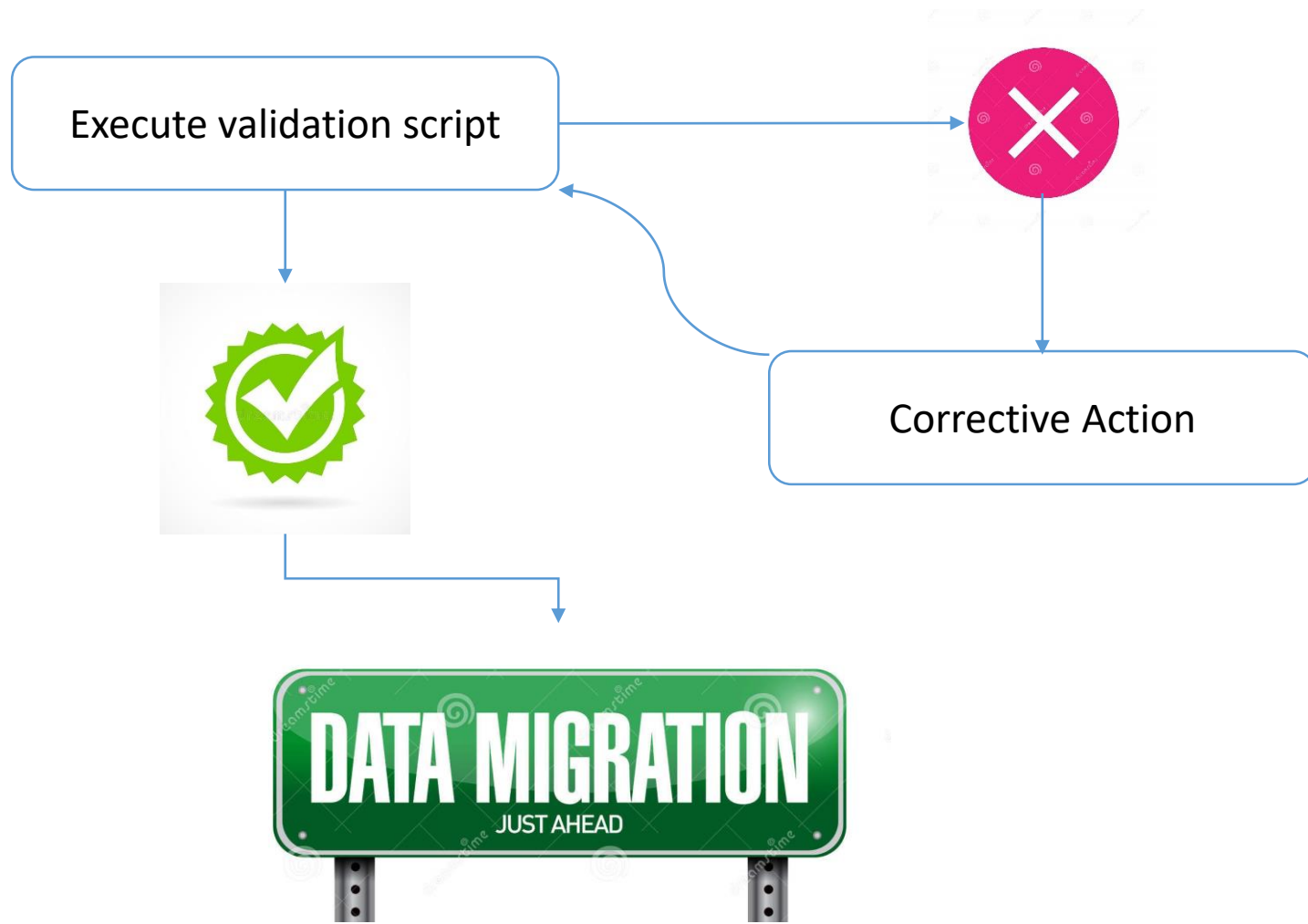
Completion of common reference data propagation on migration weekend



Validation of NMTs against local reference data of CLM to check that all accounts in the mapping table have been propagated to CLM

## 2 The transfer of balances including credit lines

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## 2 The transfer of balances including credit lines

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Execution of following steps starting with credit lines:

- 1) Storage of Balances on the old accounts in a database table by the migration tool and calculation of checksums

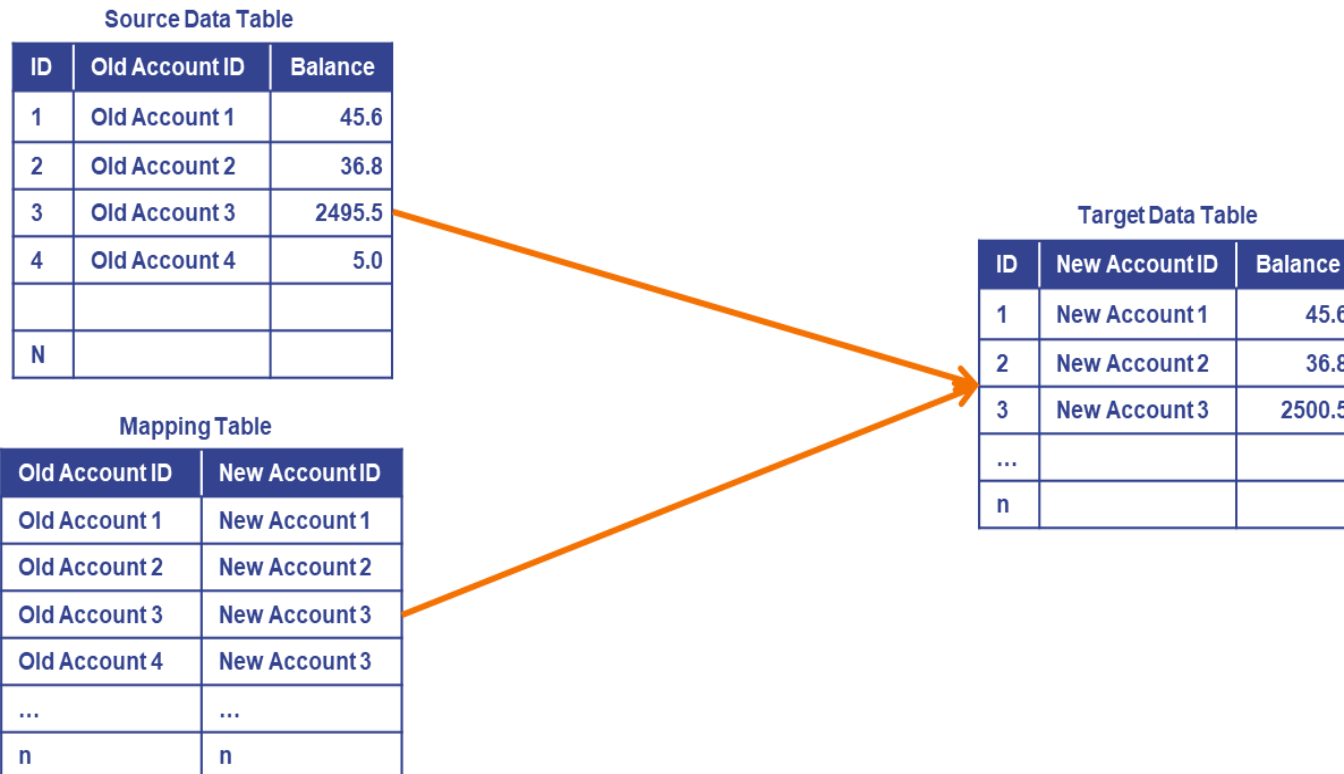
ID	Old Account ID	Balance
1	Old Account 1	45.6
2	Old Account 2	36.8
3	Old Account 3	2495.5
4	Old Account 4	5.0
...		
n		

↑  
Checksum

- 2) Verification that the sum of extracted account balances are zero for each component of TARGET2

## 2 The transfer of balances including credit lines

3) Execution of scripts to copy and convert the balances using the National mapping tables





## 2 The transfer of balances including credit lines

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4) Creation of checksums for the balances from the production database

ID	New Account ID	Balance
1	New Account 1	45.6
2	New Account 2	36.8
3	New Account 3	2500.5
...		
n		

↑  
Checksum

5) Verification of technical outcome by the 4CB

ID	Old Account ID	Balance
1	Old Account 1	45.6
2	Old Account 2	36.8
3	Old Account 3	2495.5
4	Old Account 4	5.0
...		
n		

ID	New Account ID	Balance
1	New Account 1	45.6
2	New Account 2	36.8
3	New Account 3	2500.5
...		
n		



## 2 The transfer of balances including credit lines

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6) Verification of outcome by NCBs and their communities either by using the balance report provided by 4CB or via U2A/A2A queries



Should an NCB report an error, 4CB identifies the root cause and corrects the discrepancy

→ Repetition of checksum validation

# 3 The initialisation of Reserve Management related data

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### 3 The initialisation of Reserve Management related data

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The 4CB MBT also provides an automated migration of end-of-day balances from the TARGET2 RMM to T2 CLM.

Prerequisite:

- Set-up and configuration of required cash accounts and minimum reserve management groups in CRDM, such as pools and MFI leader groups

### 3 The initialisation of Reserve Management related data

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Two scenarios for minimum reserve management migration:

- 1) Use of RMM  
→ Migration of TARGET2 end-of-day balances covered by migration via National Mapping Table
- 2) Balances held on non-TARGET2 cash accounts, i.e. on accounts in the in-house systems of the NCBs (RMM can still be used)  
→ Provision of balances via csv file to be loaded into CLM by 4CB or submission via camt.998 messages after go-live to insert backdated missing balances

T2 Account Number	Date of Balance	Balance
Input placeholder	Input placeholder	Input placeholder

### 3 The initialisation of Reserve Management related data

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- Usage of end-of-day balances from RMM provides for recalculation of minimum reserve requirement fulfilment based on new reference data set-up in CRDM
- One or more accounts could be closed between the start of the minimum reserve period and the migration weekend
  - Mapping of closed account to a new account in CLM in order to migrate the end-of-day balances

### 3 The initialisation of Reserve Management related data

- Minimum reserve requirements will not be migrated automatically
- After go-live CBs will have to use the standard A2A (camt.998) or U2A functionalities to insert the requirements into CLM before the end of the minimum reserve period

**List of Minimum Reserve Requirements**  
Query Minimum Reserve Requirements

+ Search Criteria

- Results

Minimum Reserve

Minimum Reserve Period Start: 2020-09-09  
Minimum Reserve Period End: 2020-10-21

List of Minimum Reserve Requirements

Party BIC	Minimum Reserve Requirement	New Minimum Reserve Requirement
PBAAKEF0001	520,000,000.00 EUR	<input type="text"/> EUR

### 3 The initialisation of Reserve Management related data

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- Penalties for the infringement of minimum reserve requirements will not be migrated
- Obligation of NCB to close out any open penalties in TARGET2 by the last TARGET2 business day before the go-live of T2-T2S Consolidation
- Possible penalties remaining open have to be processed manually by the NCB in the new T2 if needed



# 4 The possible outstanding overnight deposits and marginal lending

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## 4 The possible outstanding overnight deposits and marginal lending

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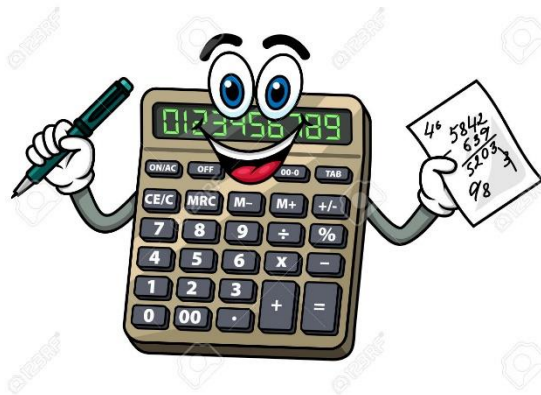
The migration of standing facilities module will encompass the following types of balances via National Mapping Table:

- Total account balance
- Balance pertaining to marginal lending on request
- Balance pertaining to automatic marginal lending
- Overnight deposit balance

## 4 The possible outstanding overnight deposits and marginal lending

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- Interest calculation on the migrated balances will occur in the start-of-day processing after the successful completion of the balance migration
- Execution of specific procedure to calculate the interest accruals of out-NCBs after migration of balances from the SF module has been completed



# 5 The migration testing MWR/MWDR

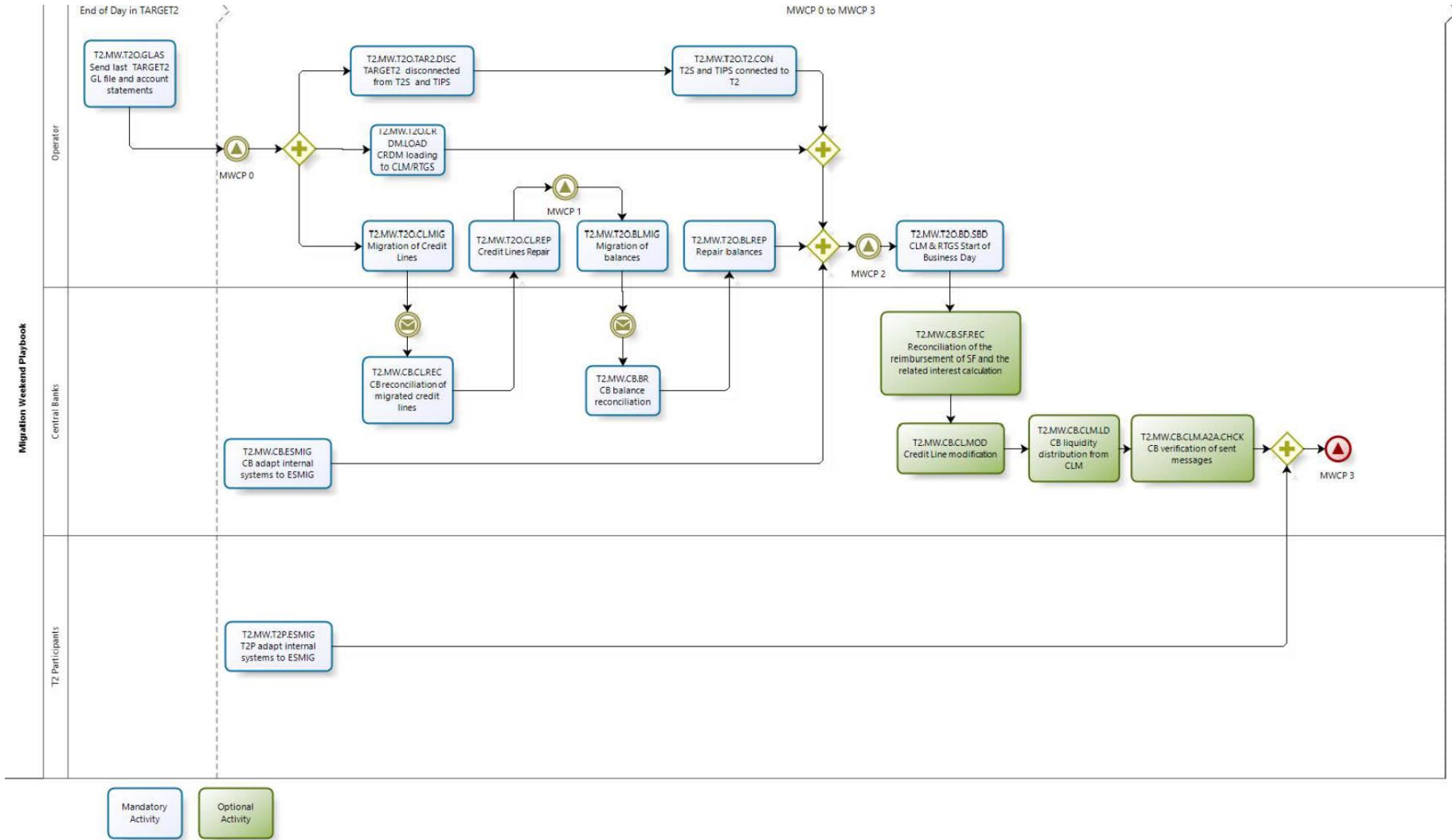
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## 5 The migration testing MWR/MWDR

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- Testing of migration tools (i.e. MBT)
  - Validating sequencing of activities as described in Migration Weekend Playbook
  - Validating that planned activities can be performed within the foreseen timeframe
- Ensure Migration Readiness of CBs and their communities

# 5 The migration testing MWR/MWDR



## 5 The migration testing MWR/MWDR

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Extract from Migration Weekend Playbook Activity table

<b>ID</b>	<b>T2.MW.CB.CL.MOD</b>
<b>Activity Name</b>	Credit-line modification (optional)
<b>Activity Group</b>	Central Bank activity
<b>Actor</b>	CB user
<b>Data configuration (A2A, U2A, DMT)</b>	A2A, U2A
<b>Description</b>	The Central Bank user may update credit lines ( <u>ModifyCreditLine</u> , camt.998) - specific for CBs). Credit lines can be defined, modified or deleted in A2A mode (by sending a <u>ModifyCreditLine</u> (camt.998) - specific for CBs message via the local CMS) or U2A mode (via a dedicated screen).

## 5 The migration testing MWR/MWDR

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### Prerequisites:

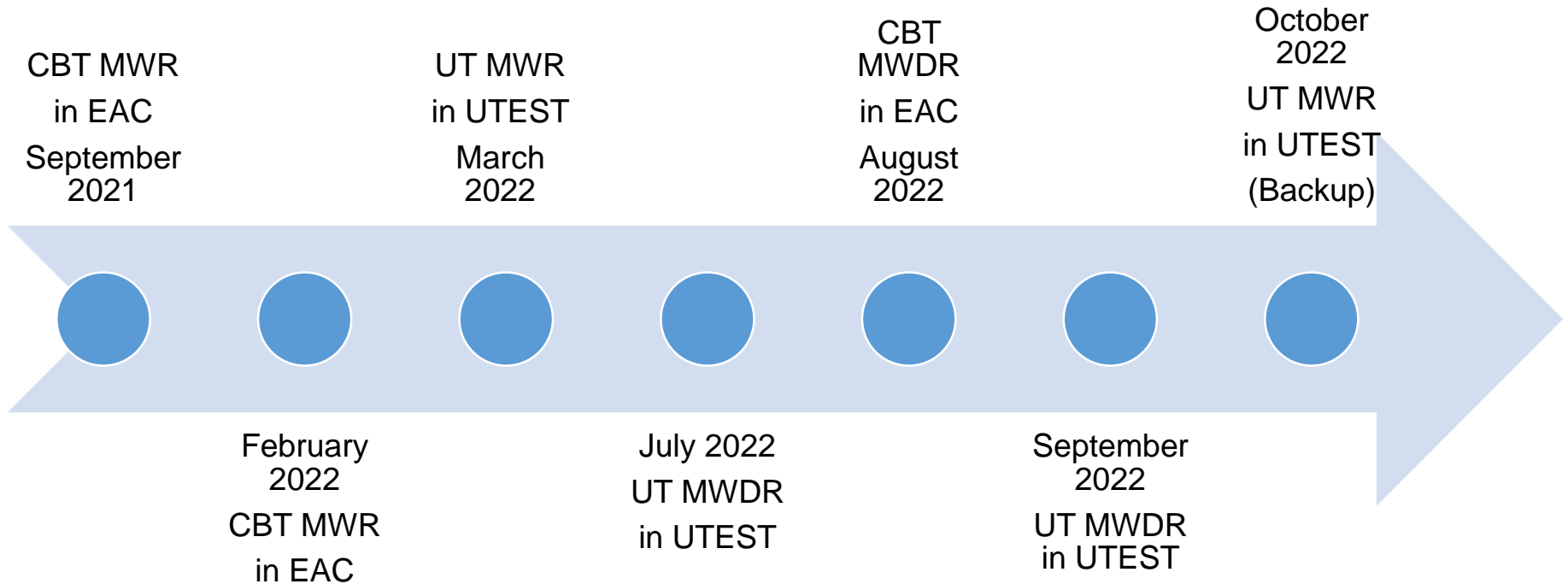
- Deletion of dynamic data from respective T2 environment (EAC/UTEST) via dedicated 4CB Tool
- Validation of NMTs

Execution of steps as per playbook using TARGET2 CUST balances as input for the MBT



## 5 The migration testing MWR/MWDR

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# 6 Testing Terms of Reference

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## 6 Testing Terms of Reference

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- UTEST will host the User Testing of the T2
- UTEST Operational day scheduling

Operational day schedule	Description
T2 standard day	Operational day schedule that T2 uses when a synchronisation of the scheduling between T2S and T2 is not required i.e. before the T2S services are connected to T2 in UTEST environment.
T2-T2S synchronised standard day	Operational day schedule that T2 uses when a synchronisation of the scheduling between T2S and T2 is required i.e. after the T2S services are connected to T2 in UTEST environment.
T2-T2S synchronised release day	Operational day schedule that T2 uses in UTEST environment for a day in which the deployment of a bug fix release.
T2 Live Timing Schedule	Operational day schedule that operates on the same timings as the production environment during the Business day testing stage in UTEST environment.

- On Fridays, by default T2-T2S Synchronised Release day schedule will be applied in the UTEST environment, whether or not a deployment is planned.
- The detailed schedule for each Operational day schedule shall be provided 3 months before the start of User Testing execution phase

## 6 Testing Terms of Reference

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- Deployment management
  - All changes in T2, including the common components in UTEST (incl. bug-fixing changes) are clearly documented and provided by the 4CB in a release note before deployment and the Central Banks share the relevant information from the Release Note with the T2 Participants.
- User Testing Reporting and Monitoring
  - Each Central Bank will collect the relevant information from their community in order to provide their User Testing Status Update (UTSU).
- Testing Calendar
  - The Testing Calendar provides information on which and when testing-related activities are planned, it is up to each Central Bank to distribute this relevant information to its community
- User Testing phases
  - UT Connectivity, UT Community and UT Business day
  - It is recommended to use Real BICs and real party data for testing.

# 6 Testing Terms of Reference

## UT phases and timeline

Test Phase\Timeline	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
											First half	Second half			
UT Connectivity	Connectivity Testing														
Deployment		SWP 1,2,3, 2.4, 3.1 and 3.2 and Migration tools deployed (end of Nov).													
Reference data set-up and UT Community Testing phase				Reference data set up completed and subsequently the UT Community testing phase with simulators starts. SWP 4.1 is deployed in April 2022 (01/04) and SWP 4.2 is deployed on 22/04											
Migration testing – UT community phase							MWR with the participant 28/03								
UT Business Day Testing phase											Business day testing with other TARGET services starts. Live Timing schedule applied in the first one week of October. Back up week for Live Timing Schedule in 3rd or 4th week of October				
UT Mandatory Testing				User Testing Mandatory test cases have to be executed and completed before the end of User Testing phase											
Operational Testing							Operational Testing phase - Scope to be discussed. Proposal is to complete the operational testing before the start of Live time schedule in Business Day testing phase								
Contingency scenarios/ procedure Testing				Validation of any contingency measures for the contingency scenarios defined following the contingency agreed procedures. These could also be tested during the pre-migration and migration tests rehearsals											
Migration Testing - MWDR Business day testing phase											MWDR with T2S and TIPS connected with the community 08/07		MWDR with T2S and TIPS connected with the community 23/09	Optional MWR with T2S and TIPS connected with the community	Go live

## 6 Testing Terms of Reference

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### ➤ Reference Data Propagation

- Data propagation from CRDM to CLM and RTGS takes place after the T2DP (T2 Data Propagation) cut-off for users to capture data that should be valid as of next business day.

### ➤ Community Testing phase

- This phase starts with T2 connected to T2S simulators, after the reference data set up is completed. The objective is to test the systems with software package deployment, every component available and to verify the operational readiness of the T2 participants.

### ➤ Business day testing

- The objective is to test all operational procedures, end to end testing with TARGET Services (T2S and TIPS), regular business day as well as business day in abnormal situations.

### ➤ T2 Mandatory test cases

- A separate deliverable is used for the “T2 Mandatory test cases”.

### ➤ Contingency Scenario Testing

- Validate the contingency procedure/measure according to the pre-defined contingency scenarios.

## 6 Testing Terms of Reference

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- UT Migration weekend (dress) rehearsal
  - The aim of the Migration weekend (dress) rehearsal is to rehearse the initialisation of balances on T2 and their reconciliation at the Central Banks' and Participants' level. Participation in the Migration Weekend (Dress) Rehearsals is mandatory.
- Main Exit Criteria of User testing
  - Completion of T2 Mandatory test cases
  - successful Migration Weekend (Dress) Rehearsals.
  - All discovered defects with high criticality related to the functionality have been resolved
  - A resolution timeline for all discovered defects with medium or low criticality related to the functionality has been approved by the MIB.
- Service Support during User Testing
  - National Service Desks (NSD) will be the single point of contact for the T2 participants for any question related to User Testing and reporting of incidents. In case of any connectivity issues the TARGET Service Desk will be informed by the National Service Desk. The TARGET Service Desk and the ECB UT-MIG team provide support to the NSD.
- Incident and defect management
  - Incidents can be reported to the respective National Service Desk who will log the incident. Incidents which require a software fix will be declared by the TARGET Service Desk as a Problem. The progress of incident/defect resolution and the consequent release allocation shall be communicated by the Central Banks to their relevant T2 Participants.

# Report example

TARGET SERVICE DESK CONTACT DETAILS:

Submission Date – Please select Date

e-mail: [target2@dnb.nl](mailto:target2@dnb.nl)

phone: +3120 524 3564

Field Name	M / O	Incident details
Incident detected by	M	FLORN2A – BIC of Party
High-level summary	M	
Keyword	M	[UTEST]
T2 test environment	M	<input type="checkbox"/> EAC <input checked="" type="checkbox"/> UTEST
Module	O	<input type="checkbox"/> ESMIG <input type="checkbox"/> CRDM <input type="checkbox"/> RTGS <input type="checkbox"/> CLM <input type="checkbox"/> BDM <input type="checkbox"/> ECONS II <input type="checkbox"/> DWH
Connection	M	<input type="checkbox"/> A2A <sup>1</sup> <input type="checkbox"/> U2A <sup>2</sup>
Detailed description	M	Please provide Test scenario, expected result and received result  
Test Setup	M	User: Parent / Party BIC:
Timestamp Test execution	M	Date      Time
Additional information	O	Priority: <input type="checkbox"/> URGENT <input type="checkbox"/> MEDIUM <input type="checkbox"/> LOW
	O	General information: Impact on Testing:
Customer Ticket ID	O	
Reference from T2 scope defining document	O	Please provide version of document, page, chapter  
Publication	O	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Broadcast

<sup>1</sup> Please attach (in the E-Mail send to the Service Desk) all relevant Incoming and Outgoing messages

<sup>2</sup> Please attach full GUI screenshots => including user, date, time and session ID

<sup>3</sup> Final Prioritization will be done by target Service Desk



# The registration form

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- Version 1.1 has become available – distributed by DNB.

## TARGET SERVICES

### Instructions

Please close all the excel files

Please use the "Continue", "Save" and "Back" Button

Pressing the "X" Button may lead to a loss of data

Closing the excel file without finishing the process may lead to a loss of data

At the end of the registration form, a new Data sheet will be created with all the data introduced

At the end of the process a "Print" and "Edit" Button will be available

The "Print" Button allows the user to save and print the information as a PDF

The "Edit" Button will restart the process with the information already introduced by the user

If you press "Edit", please press the "Finish Registration" Button once again after completing the changes

Special Characters and Mutated Vowels are not permitted across the whole form

**Please fill in the blocks following the correct order before pressing the "Finish Registration" Button**

Start

### *Please also note that*

*10 DMT files will be created at the end of the registration*

*The process may take some seconds*

### Notes:

- What is the certification status of the final registration form?
- Otherwise, please consider to fill out the form on a stand alone PC.

# Registration

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# Registration

- Note:
- use '-' in the Activation date 2021-12-01.
- 2021-12-01 is the first date allowed for the UTEST environment. We will see what is feasible.

Start Registration ✕

### 0. Opening Form

Parent BIC11	FLORNL2AXXX
Party BIC11	BANKNL2AXXX
Party Type	Payment Bank
Submission Date (YYYY-MM-DD)	2021-10-04
Reference	20211004initialstatic data
Related Reference	
Activation date (YYYY-MM-DD)	2021-12-01
Responsible CB	NL -Netherlands
Form Type	<input checked="" type="radio"/> First Registration <input type="radio"/> New/Add <input type="radio"/> Modify <input type="radio"/> Delete
Environment	UTEST (Pre-Production) <input type="checkbox"/> Production <input type="checkbox"/> Pre-Production <input type="checkbox"/> EAC

**VALIDATE**

# Registration

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Menu



## Form Menu

1. Party

2. Cash Account

3. Ancillary System

4. Administrator User

5. Groups

6. Invoice Configuration

Finish Registration

# Registration

First Registration



### 1. Party

**A) Main Information**

Party Long Name	<input type="text" value="Bank N.V."/>	Party Type	<input type="text" value="Payment Bank"/>
Party Short Name	<input type="text" value="Bank"/>	House Number	<input type="text" value="1"/>
Street	<input type="text" value="Dam"/>	City	<input type="text" value="Amsterdam"/>
Postal Code	<input type="text" value="1000 AB"/>	Country Code	<input type="text" value="NL"/>
State or Province	<input type="text"/>		
Legal Entity Identifier	<input type="text" value="12345678901112131415"/>		

*Party Contact Information*

Party Contact Name	<input type="text" value="backoffice"/>	<input type="button" value="Add"/>	Mobile Number	<input type="text" value="0031612345678"/>	<input type="button" value="Add"/>
Party Contact Position	<input type="text" value="CI Operational Manager"/>	<input type="button" value="Add"/>	Office Telephone Number	<input type="text" value="003187654321"/>	<input type="button" value="Add"/>
Email Address	<input type="text" value="backoffice@bank.nl"/>	<input type="button" value="Add"/>			

**B) Technical Address A2A**

Technical Address	<input type="text" value="cn=xyz,ou=abc,o=banknl2a,o=swift"/>	
Network Services	<input type="text" value="T2RTGS.SWIFT.MSGSNF"/>	<input type="button" value="Add"/>

Note:

- PTA – Party Technical address for U2A only participants should read: U2A-only

# Registration

Add Contact Name



Party Contact Name 2

Party Contact Name 3

SAVE

Add Technical Address



Technical Address 2

Network Service 2

Technical Address 3

Network Service 3

Technical Address 4

Network Service 4

Technical Address 5

Network Service 5

Technical Address 6

Network Service 6

Technical Address 7

Network Service 7

Technical Address 8

Network Service 8

Technical Address 9

Network Service 9

Technical Address 10

Network Service 10

Technical Address 11

Network Service 11

Technical Address 12

Network Service 12

Technical Address 13

Network Service 13

Technical Address 14

Network Service 14

Technical Address 15

Network Service 15

RESET

SAVE

# Registration

First Registration



**1. Party**

**A) Main Information**

Party Long Name	Bank N.V.		
Party Short Name	Bank	Party Type	Payment Bank
Street	Dam	House Number	1
Postal Code	1000 AB	City	Amsterdam
State or Province		Country Code	NL
Legal Entity Identifier	12345678901112131415		

*Party Contact Information*

Party Contact Name	backoffice	Add	Mobile Number	0031612345678	Add
Party Contact Position	CI Operational Manager	Add	Office Telephone Number	003187654321	Add
Email Address	backoffice@bank.nl	Add			

**B) Technical Address A2A**

Technical Address	[Redacted]		
Network Services	U2A Only		Add

Continue

In case you are U2A only user

# Registration

Party Service Link X

[Back](#)

**C) Party Service Link**

Service  Party Type to link

T2S Service

*D) Additional Information*

Attribute Value  Attribute Name

**D1) Create New Secured Group**

Secured Group Type

Secured Group Identification

Parent BIC of the party responsible for the secured group

Party BIC of the party responsible for the secured group

Type of T2S Secured Group  Party  DCA

Group Member

**D2) Client Auto-collateralisation**

Client Auto-collateralisation  Yes  No

Technical Address to send daily securities valuations via flat files

Collateralisation procedure  Pledge  Pledge Sub-account  Repo

**D3) Secondary Credit Memorandum Balance**

Secondary CMB  Yes  No

**D4) Party Minimum Amount**

Minimum Amount for Auto collateralisation

Minimum Amount for Client collateralisation

**E) CLM Configuration Data**

Overnight Deposit Indicator  Intraday Credit Indicator

Marginal Lending Indicator

Minimum Reserve Obligation

Institutional Sector Code

MFI Code

U2A Only (CLM)  Eurosystem flag

Leading CLM Account Holder Parent BIC

Leading CLM Account Holder Party BIC

Maximum Amount for Overnight Deposit

CB account for standing facilities interests

CB account for minimum reserve interests and penalties

CB account for other interests

**F) RTGS Configuration Data**

U2A Only (RTGS)  Ancillary System sub-type



# Registration

Note:

- ECONSII is not yet needed

The screenshot shows a web form titled "Party Service Link" with several sections:

- C) Party Service Link:** Contains a "Service" dropdown set to "T2 CLM Component" and a "Party Type to link" dropdown set to "CLM Account Holder". A red circle highlights the "Add" button next to the "Party Type to link" dropdown.
- D) Additional Party information for T2S Service:** A modal window titled "Add Party Service Link" is open, listing five services with their respective components and party types. A red circle highlights the "Add Party Service Link" modal. The "Party Type to link 2" is "RTGS Account Holder", "Party Type to link 3" is "Contingency Account Holder", and "Party Type to link 4" and "Party Type to link 5" are empty. A red "RESET" button is visible at the bottom left of the modal, and a green "SAVE" button is at the bottom right.
- E) CLM Configuration Data:** Includes checkboxes for "Overnight Deposit Indicator", "Marginal Lending Indicator", "U2A Only (CLM)", and "Intraday Credit Indicator". It also has dropdowns for "Minimum Reserve Obligation" and "Institutional Sector Code", and a text field for "MFI Code". A "Eurosystem flag" checkbox is checked.
- F) RTGS Configuration Data:** Includes a "U2A Only (RTGS)" checkbox and an "Ancillary System sub-type" dropdown.

Other elements include a "Back" button, a "Continue" button at the bottom right, and a "Type of T2S Secured Group" section with radio buttons for "Party" and "DCA".

# Registration Party Service Link



## C) Party Service Link

Service

Party Type to link

**Add**

T2S Service

### D) Additional Party information for T2S Service

Attribute Value

Attribute Name

#### D1) Create New Secured Group

Secured Group Type

Secured Group Identification

Parent BIC of the party responsible for the secured group

Party BIC of the party responsible for the secured group

Type of T2S Secured Group  Party  DCA

Group Member

**Add T2S Secured Group**

#### D2) Client Auto-collateralisation

Client Auto-collateralisation  Yes  No

Technical Address to send daily securities valuations via flat files

Collateralisation procedure  Pledge  Pledge Sub-account  Repo

#### D3) Secondary Credit Memorandum Balance

Secondary CMB  Yes  No

#### D4) Party Minimum Amount

Minimum Amount for Auto collateralisation

Minimum Amount for Client collateralisation

### E) CLM Configuration Data

Overnight Deposit Indicator  Intraday Credit Indicator

Marginal Lending Indicator

Minimum Reserve Obligation

Institutional Sector Code

MFI Code

U2A Only (CLM)  Eurosystem flag

Leading CLM Account Holder Parent BIC

Leading CLM Account Holder Party BIC

Maximum Amount for Overnight Deposit

CB account for standing facilities interests

CB account for minimum reserve interests and penalties

CB account for other interests

### F) RTGS Configuration Data

U2A Only (RTGS)  Ancillary System sub-type

**Continue**

## Note:

- Banks can tick the O/N, M/L and credit indicators.
- Others participants please confirm the present situation.

# Registration

Party Service Link ×

[Back](#)

**C) Party Service Link**

Service: T2 CLM Component Party Type to link: CLM Account Holder **Add**

T2S Service

**D) Additional Party information for T2S Service**

Attribute Value:  Attribute Name:

**D1) Create New Secured Group**

Secured Group Type:

Secured Group Identification:

Parent BIC of the party responsible for the secured group:

Party BIC of the party responsible for the secured group:

Type of T2S Secured Group:  Party  DCA

Group Member:

**Add T2S Secured Group**

**D2) Client Auto-collateralisation**

Client Auto-collateralisation:  Yes  No

Technical Address to send daily securities valuations via flat files:

Collateralisation procedure:  Pledge  Pledge Sub-account  Repo

**D3) Secondary Credit Memorandum Balance**

Secondary CMB:  Yes  No

**D4) Party Minimum Amount**

Minimum Amount for Auto collateralisation:

Minimum Amount for Client collateralisation:

**E) CLM Configuration Data**

Overnight Deposit Indicator <input checked="" type="checkbox"/>	Intraday Credit Indicator <input checked="" type="checkbox"/>	Leading CLM Account Holder Parent BIC: <input type="text" value="FLORNL2AXXX"/>
Marginal Lending Indicator <input checked="" type="checkbox"/>	Minimum Reserve Obligation: <input type="text" value="Direct"/>	Leading CLM Account Holder Party BIC: <input type="text" value="BANKNL2AXXX"/>
Institutional Sector Code: <input type="text" value="S.12201"/>	MFI Code: <input type="text" value="NL12345"/>	Maximum Amount for Overnight Deposit: <input type="text"/>
U2A Only (CLM) <input type="checkbox"/>	Eurosystem flag <input checked="" type="checkbox"/>	CB account for standing facilities interests: <input type="text"/>
		CB account for minimum reserve interests and penalties: <input type="text"/>
		CB account for other interests: <input type="text"/>

**F) RTGS Configuration Data**

U2A Only (RTGS)  Ancillary System sub-type:


**Continue**

In case you are U2A only user

- tick one for the CLM account and
- the other for the RTGS account

# Registration

Banking Group ✕

 Back

**G) Banking Group**

Group Name

Leader Parent BIC

Leader Party BIC

Continue

If filled with a new Group Name, a new banking group will be created.

In case the Group Name already exists, the Party will be added to the existing group.

G) Banking group		
68	Group Name (C)	If this field is left empty the bank declares that they are a single institution and not a member of a banking group.

# Registration

## Notes:

- Some roles contain privileges that can be used in Application-to-Application (A2A) mode. These roles have to be granted in two-eyes mode, except for CLM/RTGS related roles.
- AH RTGS Backup Payment Manager. This role allows the user to initiate backup payments and customer backup payments. This Role cannot be selected if the user has already been assigned the AH RTGS Customer CT U2A Role and the AH RTGS Inter-bank CT U2A Role. Note: the participants also have to ask the NCB to activate the backup functionality.
- AH CRDM AMG – Account Monitoring Group Manager (might be unknown)
- TIPS and T2S access is already in place or not yet needed.

Roles

Back

**H) Roles**

AH ESMIG Access	<input checked="" type="radio"/> Two-eyes mode		AH RTGS Limit/Reservation Manager	<input checked="" type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode
AH CRDM Access	<input checked="" type="radio"/> Two-eyes mode		AH RTGS Backup Payment Manager	<input checked="" type="radio"/> Four-eyes mode	
Party Administrator	<input checked="" type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode	AH T2S Reader (renaming the existing Reader role)	<input type="radio"/> Two-eyes mode	
AH Access Rights Administrator	<input checked="" type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode	AH T2S Liquidity Manager (renaming the existing Liquidity Manager role)	<input type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode
AH CRDM Reader	<input checked="" type="radio"/> Two-eyes mode		AH T2S CMB Manager	<input type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode
AH CRDM Configuration Manager	<input checked="" type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode	AH T2S Collateral Manager	<input type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode
AH CRDM Liquidity Manager	<input checked="" type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode	AH TIPS CMB Set-up Manager	<input type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode
AH CRDM AMG Manager	<input checked="" type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode	AH Instant Payment Manager	<input type="radio"/> Two-eyes mode	
AH CLM Reader	<input checked="" type="radio"/> Two-eyes mode		AH TIPS Liquidity Manager	<input type="radio"/> Two-eyes mode	
AH CLM Manager	<input checked="" type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode	AH TIPS Party Query	<input type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode
AH RTGS Reader	<input checked="" type="radio"/> Two-eyes mode		AH TIPS Reachable Party Query	<input type="radio"/> Two-eyes mode	
AH RTGS AS Manager	<input type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode	AH TIPS CMB Manager	<input type="radio"/> Two-eyes mode	<input type="radio"/> Four-eyes mode
AH RTGS Customer CT U2A	<input checked="" type="radio"/> Four-eyes mode		AH Data Warehouse User	<input checked="" type="radio"/> Two-eyes mode	
AH RTGS Inter-bank CT U2A	<input checked="" type="radio"/> Four-eyes mode		AH ECONS 2 Manager		<input checked="" type="radio"/> Four-eyes mode
AH RTGS Liquidity Transfer Manager	<input checked="" type="radio"/> Four-eyes mode		AH ECONS 2 Reader	<input checked="" type="radio"/> Two-eyes mode	
AH RTGS Payment Manager	<input checked="" type="radio"/> Four-eyes mode		AH MPL Reader	<input type="radio"/> Two-eyes mode	

Reset

Menu

# Registration

Create Cash Account



## 2. Cash Account

### A) Main Information

Cash Account Number: MNLEURBANKNL2AXXXMCA1

Cash Account Type: Main Cash Account (in CLM)

Floor notification amount: EUR

Ceiling notification amount: [ ]

Linked Account Type: [ ] Reset

Linked Account: [ ]

### B) Account Threshold Configuration

Associated LT Account: [ ]

Ruled-based LT for Queued Urgent Priority Payments/AS Transfer Orders:

Ruled-based LT for Queued High Priority Payments:

### C) Default Main Cash Account

Default Main Cash Account:

### D) Reserve Management Account Configuration

Minimum Reserve Calculation:

Automated Generation of Interest Payment (System Generated):

### E) Additional Account Configuration

Default RTGS Account:  Credit Based:

Co-managed:  Non-published:

Co-manager Parent BIC: [ ]

Co-manager Party BIC: [ ]

Maximum Amount to be Debited per Day: [ ]

### F) Authorised Account User

Create up to 4 Authorised Account Users

Create more than 4 Authorised Account Users using a text file

Add Authorised Account User Add Authorised Account User

### G) Direct Debit Mandate

Create up to 4 Direct Debit Mandates

Create more than 4 Direct Debit Mandates using a text file

Add Direct Debit Mandate Add Direct Debit Mandate

### H) T2S DCA

Please use the following button in order to create a T2S Dedicated Cash Account. This button can also be used to create any other account.

Add Cash Account 4

Add Cash Account 2 Add Cash Account 3

Add Cash Account 5 Add Cash Account 6

Add Cash Account 7 Add Cash Account 8

Menu Form

Note:

- MCBEURPartyBIC11max 17 characters free text.
- Account type: M=CLM MCA CB country code Currency code =EUR BIC=Party BIC11 (not AAU BIC)
- Sub-classification=17 character free text

# Registration

Create Cash Account

## 2. Cash Account

A) Main Information

Cash Account Number: MNLEURBANKNL2AXXXMCA1  
Cash Account Type: Main Cash Account (in CLM)  
Floor notification amount:   
Currenc: EUR

Ceiling notification amount:   
Linked Account Type:   
Linked Account:   
Reset

B) Account Threshold Configuration

Associated LT Account:   
Ruled-based LT for Queued Urgent Priority Payments/AS Transfer Orders:   
Ruled-based LT for Queued High Priority Payments:

C) Default Main Cash Account

Default Main Cash Account:

D) Reserve Management Account Configuration

Minimum Reserve Calculation:  Automated Generation of Interest Payment (System Generated):

E) Additional Account Configuration

Default RTGS Account:  Credit Based:   
Co-managed:  Non-published:   
Co-manager Parent BIC: FLORN2AXXX  
Co-manager Party BIC: COMANL2AXXX  
Maximum Amount to be Debited per Day:

F) Authorised Account User

Create up to 4 Authorised Account Users: Add Authorised Account User  
Create more than 4 Authorised Account Users using a text file: Add Authorised Account User

G) Direct Debit Mandate

Create up to 4 Direct Debit Mandates: Add Direct Debit Mandate  
Create more than 4 Direct Debit Mandates using a text file: Add Direct Debit Mandate

H) T2S DCA

Please use the following button in order to create a T2S Dedicated Cash Account. This button can also be used to create any other account.  
Add Cash Account 4

Add Cash Account 2 Add Cash Account 3  
Add Cash Account 5 Add Cash Account 6  
Add Cash Account 7 Add Cash Account 8

Menu Form

Note: only for use in case of co-management on the CLM account

# Registration

- RCBEURPartyBIC11max 17 characters free text.
- Account type:  
R=RTGS DCA U=RTGS Sub Account T=AS technical account G= AS guarantee funds account
- CB country code
- Currency code=EUR
- BIC=Party BIC11 (not AAU BIC)
- Sub-classification =17 character free text. In case of RTGS sub-accounts (account type = "U") the Ancillary System code (to be requested from NCB )must be the first three characters of the 17 character free text.

Cash Account 2

2. Cash Account 2

**A) Main Information**

Cash Account Number	<input type="text" value="RNLEURBANKNL2AXXXRTGS1"/>	Ceiling notification	<input type="text"/>
Cash Account Type	<input type="text" value="RTGS Dedicated Cash Account"/>	Linked Account Type	<input type="text"/> <span style="color: red; font-weight: bold;">Reset</span>
Floor notification	<input type="text"/>	Linked Account	<input type="text"/>
Currency	<input type="text" value="EUR"/>		

**B) Account Threshold Configuration**

Associated LT Account	<input type="text" value="MNLEURBANKNL2AXXXMCA1"/>		
Ruled-based LT for Queued Urgent Priority Payments/AS Transfer Orders	<input checked="" type="checkbox"/>	Ruled-based LT for Queued High Priority Payments	<input checked="" type="checkbox"/>

**C) Default Main Cash Account**

Default Main Cash Account

**E) Additional Account Configuration**

Default RTGS Account	<input checked="" type="checkbox"/>	Credit Based	<input checked="" type="checkbox"/>
Co-managed	<input type="checkbox"/>	Non-published	<input type="checkbox"/>
Co-manager Parent BIC	<input type="text"/>		
Co-manager Party BIC	<input type="text"/>		
Maximum Amount to be Debited per Day	<input type="text"/>		

**D) Reserve Management Account Configuration**

Minimum Reserve Calculation	<input checked="" type="checkbox"/>	Automated Generation of Interest Payment (System Generated)	<input checked="" type="checkbox"/>
-----------------------------	-------------------------------------	---	-------------------------------------

Save

T2-T2S Consolidation Training Session

11/10/2021

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# Registration

## F) Authorised Account User 1

Cash Account Number 1

Authorised Account User BIC 1

Participation Type 1

Maximum IP Amount 1

*\*only to be filled in for TIPS related accounts*

## F) Authorised Account User 2

Cash Account Number 2

Authorised Account User BIC 2

Participation Type 2

Maximum IP Amount 2

*\*only to be filled in for TIPS related accounts*

## F) Authorised Account User 3

Cash Account Number 3

Authorised Account User BIC

Participation Type 3

Maximum IP Amount 3

*\*only to be filled in for TIPS related accounts*

## F) Authorised Account User 4

Cash Account Number 4

Authorised Account User BIC 4

Participation Type 4

# Registration

---

Other accounts opened by the Central Bank:

- The PB Contingency Account inherits the AAU BIC of the linked MCA and it will be used for the balance sweep after the ECONS II closure.
- Overnight deposit and marginal lending accounts do not need AAU BICs.

Note: also Sub-accounts do not need AAU BICs.

# Registration

Direct Debit Mandate



G) Direct Debit Mandate 1

Payee Parent BIC	<input type="text" value="TRGTXE2SXXX"/>	<i>*Info of the Party that can debit the account</i>
Payee Party BIC	<input type="text" value="FLORNL2AXXX"/>	
From Cash Account Number	<input type="text" value="RNLEJRBANKNL2AXXXRTGS1"/>	
Payee Reference	<input type="text" value="DD1"/>	
Maximum amount per counterparty	<input type="text" value="999999999999"/>	
Maximum amount per payment	<input type="text"/>	

G) Direct Debit Mandate 3

Payee Parent BIC 3	<input type="text"/>	<i>*Info of the Party that can debit the account</i>
Payee Party BIC 3	<input type="text"/>	
From Cash Account Number	<input type="text"/>	
Payee Reference 3	<input type="text"/>	
Maximum amount per counterparty	<input type="text"/>	
Maximum amount per payment 3	<input type="text"/>	

G) Direct Debit Mandate 2

Payee Parent BIC 2	<input type="text"/>	<i>*Info of the Party that can debit the account</i>
Payee Party BIC 2	<input type="text"/>	
From Cash Account Number	<input type="text"/>	
Payee Reference 2	<input type="text"/>	
Maximum amount per counterparty	<input type="text"/>	
Maximum amount per payment 2	<input type="text"/>	

G) Direct Debit Mandate 4

Payee Parent BIC 4	<input type="text"/>	<i>*Info of the Party that can debit the account</i>
Payee Party BIC 4	<input type="text"/>	
From Cash Account Number	<input type="text"/>	
Payee Reference 4	<input type="text"/>	
Maximum amount per counterparty	<input type="text"/>	
Maximum amount per payment 4	<input type="text"/>	

Save

TRGTXE2SXXX – FLORNL2AXXX has DD mandate on each FLORNL2A – Party BIC in CLM/MCAs but requires a DD for the RTGS accounts.

# Registration

- User DN: regardless of how many qualifiers there are, they should all be written in upper case, and there should be a blank after the comma for each value.
- Admin users previously set up for the TIPS or T2S services can operate in CLM and RTGS without any changes to the configuration apart from the granting of the relevant access rights (Roles) by the NCB.
- Participants are asked to include two already existing Admin Users from forms 7200 (T2S) and 8200(TIPS) in the registration form. These Admin Users will be granted the relevant roles.
- ACBPartyBIC11 + max 21 characters free text.  
'A' CB country code BIC=Party BIC (BIC 11).  
Sub-classification=21 character free text

Setting up administrator user



## 4. Setting Up Administrator User

<b>Administrator User 1</b>	
Name Administrator 1	<input type="text" value="AD Ministrator"/>
Login name Administrator 1	<input type="text" value="ANLBANKNL2A-ADMINUSER-1"/>
System User Reference Administrator 1	<input type="text" value="NLBANKNL2A-ADMINUSER-1"/>
Certificate Distinguished Name Administrator 1	<input type="text" value="CN=testuser, OU=test, OU=12345, O=t2s, O=swift"/>
Default User	<input checked="" type="radio"/> Yes <input type="radio"/> No
Main User Administrator 1	<input type="checkbox"/> <i>This field is only relevant for TIPS users. It allows a TIPS user to access the TIPS GUI</i>
<b>Administrator User 2</b>	
Name Administrator 2	<input type="text"/>
Login name Administrator 2	<input type="text"/>
System User Reference Administrator 2	<input type="text"/>
Certificate Distinguished Name Administrator 2	<input type="text"/>
Default User	<input type="radio"/> Yes <input type="radio"/> No
Main User Administrator 2	<input type="checkbox"/> <i>This field is only relevant for TIPS users. It allows a TIPS user to access the TIPS GUI</i>

Form Menu

# Registration

Setting Up Groups



## 5. Setting Up Groups

### A) Liquidity Transfer Group

Group Name	<input type="text" value="LNLBANKNL2AXXX-BANK"/>
Cash Account Number	<input type="text" value="RNLEURBANKNL2AXXXRTGS1"/>
Cash Account Number 2	<input type="text" value="RNLEURBANKBEBBXXXRTGS1"/>
Cash Account Number 3	<input type="text" value="RNLEURBANKLULUXXXRTGS1"/>
Cash Account Number 4	<input type="text"/>
Cash Account Number 5	<input type="text"/>

Add

### B) Settlement Bank Account Group

Group Name	<input type="text" value="SNLINNDNL2JXXX-SCT"/>
Cash Account Number	<input type="text" value="RNLEURBANKNL2AXXXRTGS1"/>
Cash Account Number 2	<input type="text"/>

Add

Form Menu

For reference: Account Monitoring Groups can be setup by the participants. CRDM-UHB 2.4.1.1

# Registration

- By policy, members of a billing group must belong to the same banking group

Invoice Configuration

## 6. Invoice Configuration

A) Invoice Configuration

TIPS Service	<input type="checkbox"/>	T2S	<input type="checkbox"/>
T2 CLM Component	<input checked="" type="checkbox"/>	ECMS	<input type="checkbox"/>
VAT ID	<input type="text" value="NLBANKNL12345B03"/>	Consumption	<input type="checkbox"/>
Tariff	<input type="text" value="Core scheme party - Option A"/>	Direct invoicing	<input type="checkbox"/>

B) Invoice Address

Street	<input type="text" value="DAM"/>	House Number	<input type="text" value="1"/>
City	<input type="text" value="AMSTERDAM"/>	Postal Code	<input type="text" value="1000 AB"/>
State or Province	<input type="text"/>	Country Code	<input type="text" value="NL"/>
Phone Number	<input type="text"/>		
Fax Number	<input type="text"/>		
Email Address	<input type="text"/>		

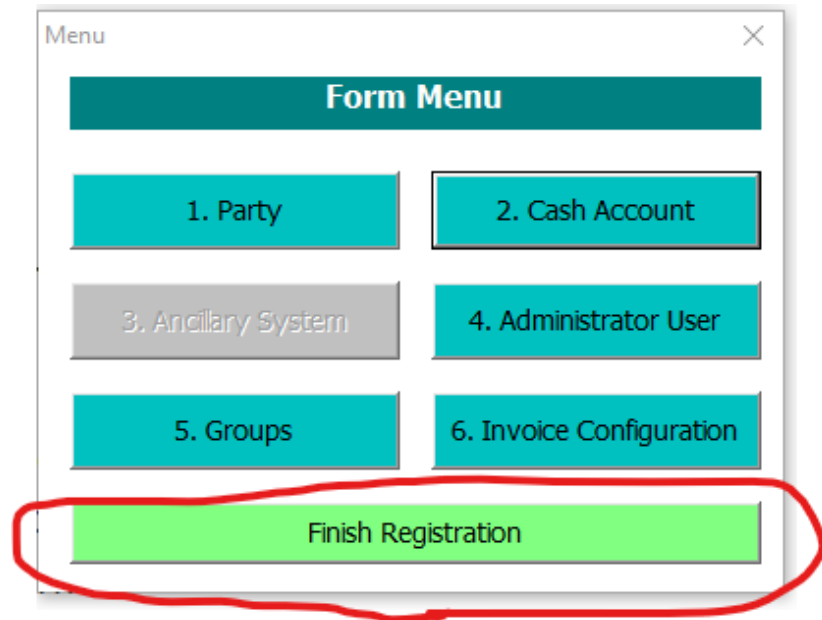
C) Direct Debit Invoice Configuration

Direct Charging	<input checked="" type="checkbox"/>
Credited	<input type="text"/>
Debited Account	<input type="text" value="MCNLEURBANKNL2AXXXMCA1"/>

Form Menu

# Registration

- After pressing finish several subpages will be created. Please save the excel as: f date-partyname-Registrationform 20211005BANKNL2AXXT2REGISTRATIONFORM
- Electronic signatures are not needed for the test.
- In case you need to make a correction after pressing finish > start over from the last tab “user tab”, update the form and “Finish Registration”.  
(the old info is still there)
- In case you need to make a correction after saving than please make the change and also reconfirm all other input, screen by screen, before again you “Finish Registration” .



# Registration

## Annex A

### List of Institutional Sector Codes

Sectors and sub-sectors		Public	National Private	Foreign Controlle
Non-financial corporations	S.11	S.11001	S.11002	S.11003
Financial corporations	S.12			
Central Bank	S.121			
Other monetary financial institutions	S.122	S.12201	S.12202	S.12203
Other financial intermediaries, except insurance corporations and pension	S.123	S.12301	S.12302	S.12303
Financial auxiliaries	S.124	S.12401	S.12402	S.12403
Insurance corporations and pension funds	S.125	S.12501	S.12502	S.12503
General government	S.13			
Central government	S.1311			
State government	S.1312			
Local government	S.1313			
Social security funds	S.1314			
Households	S.14			
Employers (including own account workers)	S.141+S.142			
Employees	S.143			
Recipients of property incomes	S.1441			
Recipients of pensions	S.1442			
Recipients of other transfer incomes	S.1443			
Others	S.145			
Non-profit institutions serving households	S.15			
Rest of the world	S.2			



# Registration

Note: The "." character between Party BIC and optional freetext should be dropped in cases where there is no freetext.

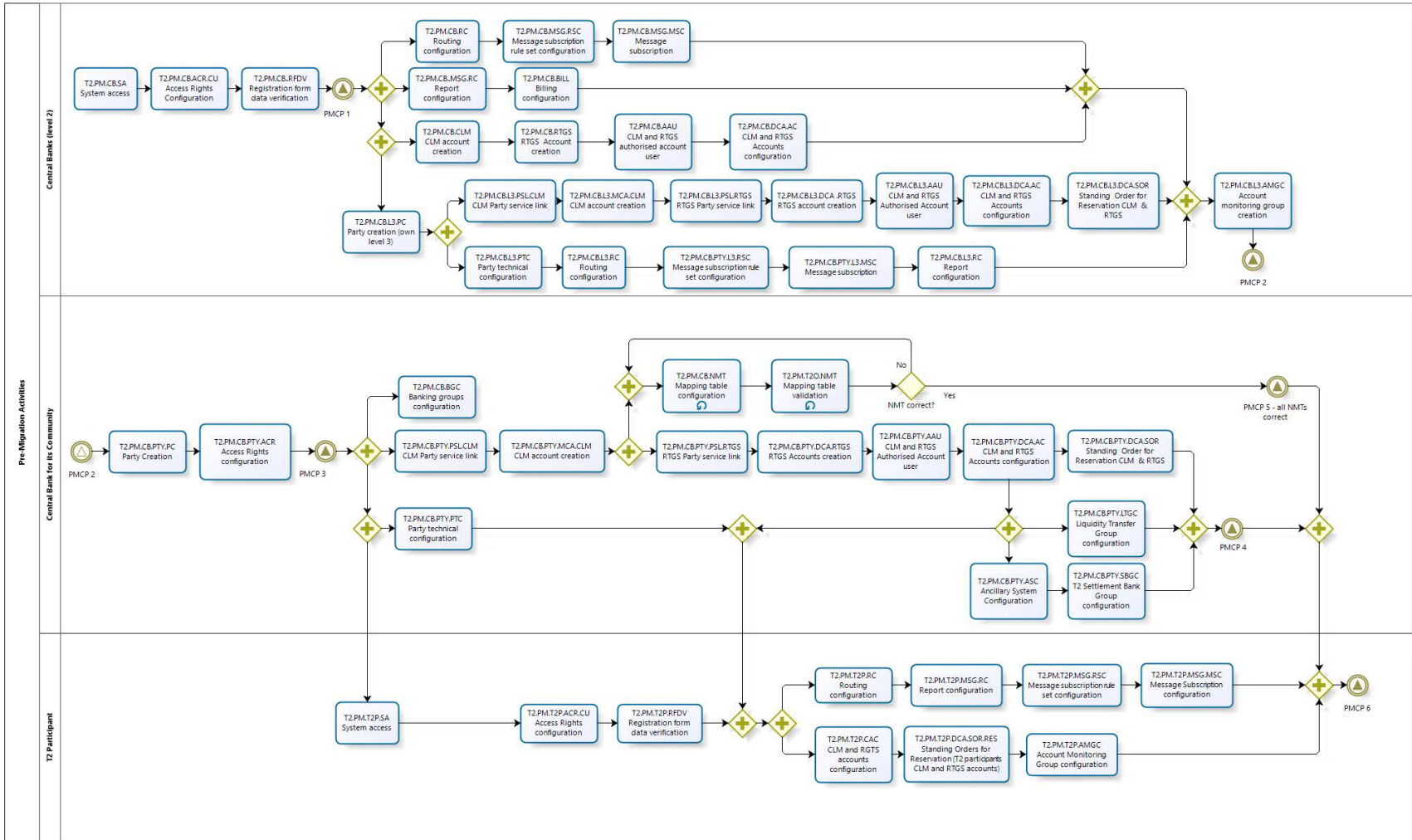
Group	Set-up by	Visibility on Group Name and Leader Party	Visibility on group members	Function of the leader	Name format	Naming convention
Account Monitoring Group	Payment Bank / AS	The users from any CB and PB can see all the Groups Names and Leader Parties (provided they are granted the relevant privilege)		The leader party is the only one which can monitor the balance of the accounts in the group in the CLM GUI		No naming convention as this will be setup by participants
Liquidity Transfer Group	Central Banks	The users from any CB can see all the Groups Names and Leader Parties (provided they are granted the relevant privilege)		No Leader		Country Code of the CB setting up the group: 2 Characters L: 1 character Party BIC of the requestor of the group (presumably owning one or more accounts in the group) : 11 characters - 1 character
Billing Group	Central Banks	The users from any CB and PB can see all the Groups Names and Leader Parties (provided they are granted the relevant privilege)	Leader Parties have visibility on the entire content (Account or Party identifiers) of the Groups they are defined as Leaders for.  Central Banks who created Liquidity Transfer Groups have visibility on the entire content of those Liquidity Transfer Groups.	The leader is a payment bank. The leader's tariff is used to compute the billing fees	35 characters (SWIFT-x character set)	Country Code of (PB) leader party : 2 Characters B : 1 character Party BIC of payment bank leader party: 11 Characters - 1 character Optional further descriptive text: 20 characters
Settlement Bank Account Group	Central Banks	The users from any CB can see all the Groups Names and Leader Parties (provided they are granted the relevant privilege). Ancillary System Parties can see the Groups for which they are defined as Leader Party.	Otherwise, the accounts/parties included in the group are visible only if they are in the data scope of the user performing the query	The leader is the AS which will debit/credit the accounts in the group		Country Code of (AS) leader party : 2 Characters S : 1 character Party BIC of AS leader party: 11 Characters - 1 character Optional further descriptive text: 20 characters
Banking Group	Central Banks	The users from any CB can see all the Groups Names and Leader Parties (provided they are granted the relevant privilege)		The leader is a central bank. Liquidity transfers between members and leader are considered inter-banking group liquidity transfers; the liquidity of the leader is not included in the liquidity monitoring screen at banking group level.		Country Code of Leader CB : 2 Characters K : 1 character Party BIC of a payment bank under the responsibility of the CB leader of the group and chosen by the payment bank in the registration forms: 11 Characters - 1 character Optional further descriptive text: 20 characters

# Registration

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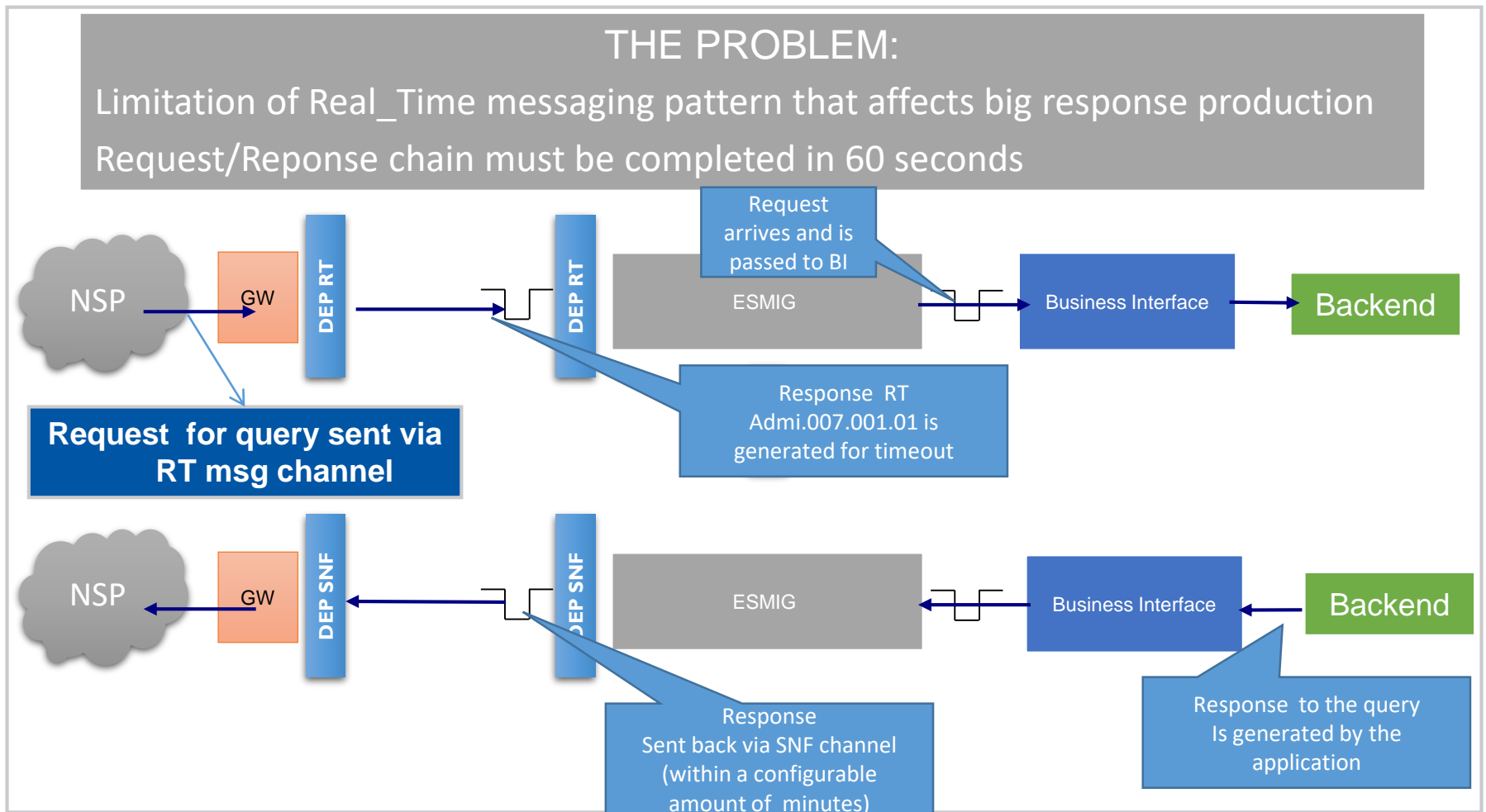
A Cash Account cannot be deleted if there still are valid instances of the following entities linked to it: Liquidity Transfer Order, Liquidity Transfer Order Link Set, Credit Memorandum Balance, Authorised Account User, Data Aggregation, Limit, Standing Order for Reservation, Direct Debit Mandate, or if it is referenced in another Cash Account as a Linked Account, Associated LT Account or Debited MCA.

# Pre-migration starts 1 December 2021 – we expect you can operate the account from start/beginning of January 2022.



Note: BPMN provided for reference purpose only

# Connectivity testing - A2A – Timeout management details



## Connectivity testing - A2A

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- The acknowledgment from the NSP is sufficient to proof connectivity. (e.g via NSP GUI)
  
- Triggering a time-out response also proofs that connectivity was established.

## Documentation

- [SWIFT's Solution for ESMIG Service Description](#)

- Reference document for all customers who want to connect to ESMIG using SWIFT's Solution for ESMIG
- Detailed Technical Solution Description, Ordering and Subscription, Support, Service Levels,...
- Addressing (URLs) and reachability (Requestor/Responder DN) details

Example for T2

Application	Requestor/Responder DN
Billing	cn=billing,o=trgtxepm,o=swift
Business Day Management (BDM)	cn=bdm,o=trgtxepm,o=swift
RTGS	cn=rtgs,o=trgtxepm,o=swift
...	...

- [SWIFT's Solution for ESMIG U2A Setup Guide Step-by-Step](#)

- Describe all the steps necessary to access the ESMIG services in User-to-Application (U2A) mode.

URLs for U2A

Application	URL
ESMIG portal (PROD)	https://esmig-portal.emip.swiftnet.sipn.swift.com
ESMIG portal (UTEST)	https://esmig-cert-portal.emip.swiftnet.sipn.swift.com
ESMIG Portal (EAC)	https://esmig-eac-portal.emip.swiftnet.sipn.swift.com



## T2 Testing Reporting Framework

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- The T2 Testing Reporting Framework consists of a set of reports and supporting documents which will be created during the Testing Execution Phase for the new TARGET System in order to monitor the progress and status of testing (In this case the term “T2 Testing” will cover Migration, User and Central Bank testing).
- Each Central Bank will collect the relevant information from their community for the:
  - Connectivity Dashboard – Fortnightly basis, on 1<sup>st</sup> and 15<sup>th</sup> of the month. A2A y/n, U2A y/n.
  - User Testing Status Update (UTSU). Monthly basis.



## Communication

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- DNB will continue to use the Migration Testing and Readiness email distribution list to exchange other reporting requests and to communicate any relevant information.
- Distribution of release notes
- Distribution of testing calendar
- [TARGET2@DNB.NL](mailto:TARGET2@DNB.NL) for all reports, questions etc.

- 
- Last slide for these information series.
  - Closer to the actual start of user testing we could organise further information sessions.

TARGET2@DNB.NL