



EUROPEAN CENTRAL BANK
EUROSYSTEM

ECB-UNRESTRICTED

Detailed Migration Document

Annex A - Pre-Migration Schedule

for TARGET2 NL Participants

T2-T2S Consolidation

Table of Contents

1	Introduction	3
1.1	Objective	3
1.2	Scope:	3
1.3	Organisation of the document	3
2	Business Process Model and Notation	4
2.1	Pre-Migration Schedule BPMN	4
3	Pre-Migration Activities and Checkpoints	7
3.1	Pre-Migration Activities	7
3.1.1	System Access part 2 (T2 participants)	8
3.1.2	Reference data capture part 3 (T2 participants)	12
3.2	Pre-Migration Checkpoints	23
4	Pre-Migration Schedule (MS Project)	23
4.1	Pre-Migration Schedule Calendar	23
4.2	Calendar composition	23
5	Activity Description Methodology	25

1 Introduction

This Pre-Migration Schedule deliverable provides the detailed activities tables and diagrams of the Business Process Model and Notation (BPMN), and the MS/Project calendar for the Pre-Migration.

1.1 Objective

The objective of the Pre-migration Schedule is to deliver detailed activities tables and the Business Process Model and Notation (BPMN) of all activities, deadlines and checkpoints applicable during the Pre-Migration stage. The Pre-Migration Schedule will be an input for the Preparation of the Pre-Migration testing and the Execution of the Pre-Migration testing and it will be treated during the Training of the Migration teams.

Content of the document is targeted at the Central Banks and T2 participants. It aims to support these stakeholders in their preparation for the go-live of T2-T2S Consolidation.

1.2 Scope:

In Scope

- Detailed descriptions of activities related to the capturing of reference data in the pre-migration stage.
- BPMN of the activities, actors and checkpoints.
- Dependencies between the T2 Actors and their activities during the pre-migration.
- Durations and schedule for pre-migration activities.

Out of Scope

- External activities in T2S and TIPS to be completed prior to or in parallel of the Pre-Migration activities (e.g. linking of T2S DCA with RTGS (described in the T2S Weekend Playbook, alignment of T2S and TIPS with roles created for T2-T2S Consolidation prior to the start of Pre-Migration)

1.3 Organisation of the document

This document is organized in three parts: the first part introduces the document, objectives, content and planning. The second part includes the Business Process Model and Notation. The third part includes the detailed tables of pre-migration activities (name of the activity, actor, pre-requisites, dependencies etc.). The final part includes the detailed calendar (MS/Project) of activities and pre-migration checkpoints. This part will be established after the first version of the Detailed Migration Document has been delivered.

2 Business Process Model and Notation

The purpose of the BPMN is to support business process management, for both technical users and business users, by providing a simple notation to represent complex process semantics. This chapter will describe the use of the BPMN diagram and include the BPMN for the Pre-Migration Stage.

2.1 Pre-Migration Schedule BPMN

The diagram below presents the actors and their respective activities and the sequence by which they should be carried out during the Pre-Migration stage. The reader should take note that the BPMN begins with the first activity of the Central Banks “T2.PM.CB.SA – System Access” and finishes in the middle row with the Pre-Migration Checkpoint 8 (PMCP8). The methodology for the naming convention and ID naming is described in chapter 5 **Activity Description Methodology**.

The methodology employed for the description and depiction of pre-migration and migration weekend activities are described in the chapter 5 of this document. In particular the BPMN elements used for the graphical representation are explained. This methodology is used throughout the Detailed Migration Document and in its annexes.

The figures below are included from the PDF files of the BPMN diagrams to give a visual understanding of the process flows. For the detailed review, readers are recommended to use the PDF files of the BPMN diagrams.

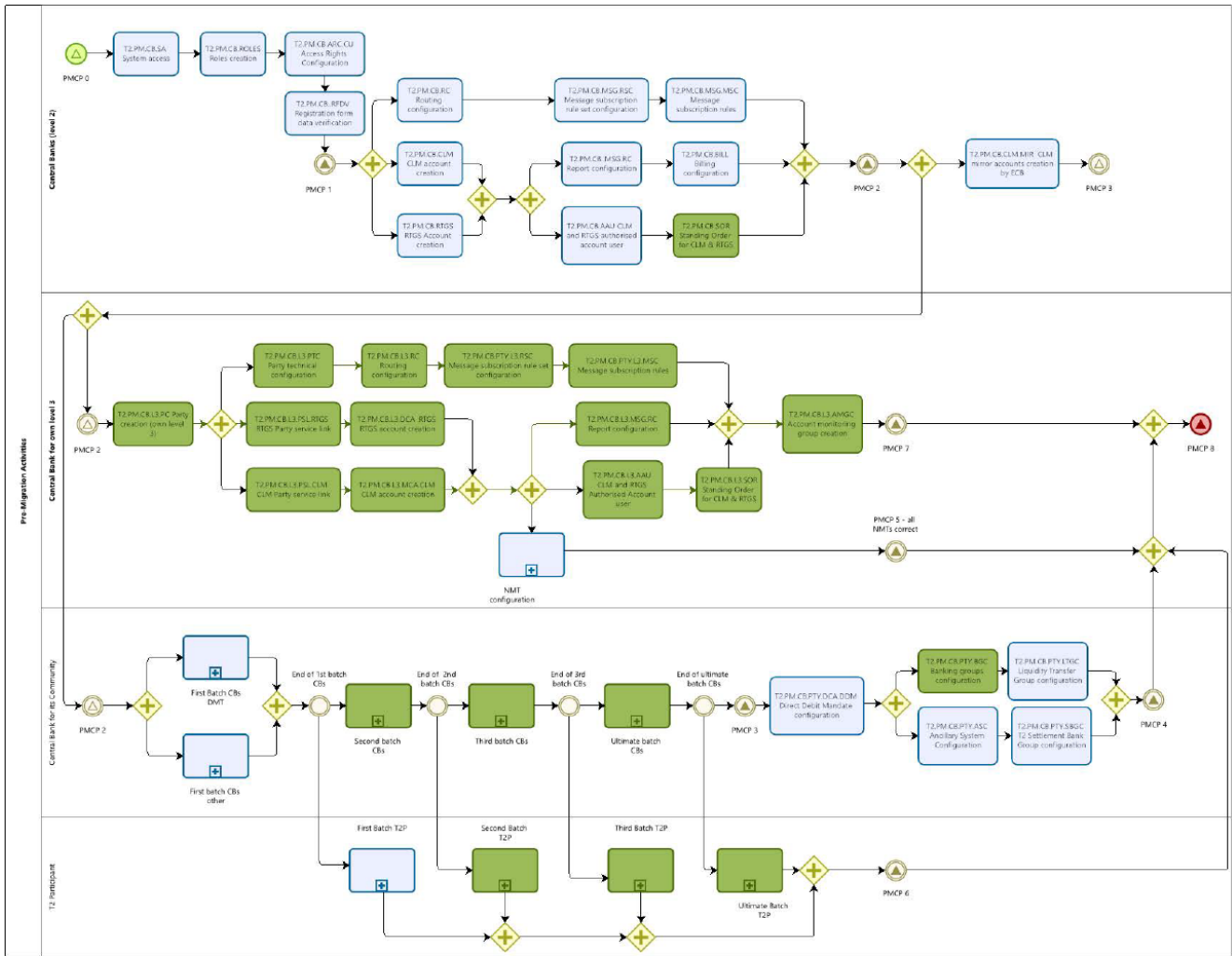



Figure 1 - Pre-Migration Schedule BPMN overview

Activities which include  indicates that a sub-process exists. These sub-processes are expanded and described in the sections below. Activities marked in green indicate that the activity is optional. The full list of design elements and graphical representations are described in Chapter 5. Activity Description Methodology – BPMN notation²⁵

Once the first batch of reference data has been uploaded, the CB will update the National Mapping Table (ref. **Fout! Verwijzingsbron niet gevonden.**) and inform the T2 participants that were set up through this batch.

As above, once the first and/or ultimate batch is completed the CBs will update the National Mapping Table (ref. **Fout! Verwijzingsbron niet gevonden.**) and inform the T2 participants that were set up through this batch.

The full sequence of activities for both DMT and non-DMT users conclude when the PMCP3 is reached.

Figure 5 below represents the series of reference data capture activities by the T2 participants. The number of batches that exists depends on the number of batches the CB decides to use.

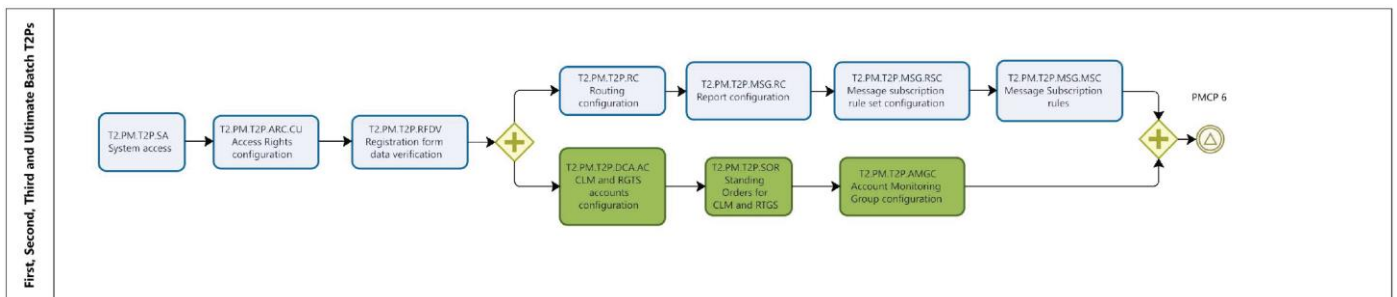


Figure 2 - 1, 2, 3 and ultimate batch T2 participants

3 Pre-Migration Activities and Checkpoints

This chapter provides a detailed overview of all Pre-Migration activities and checkpoints.

3.1 Pre-Migration Activities

The pre-migration activities are presented in tables and grouped in relation to the responsible party level and logically in regards to the business area and functionalities they cover. In addition, the order of the pre-migration activities reflects the high-level sequencing by which they need to be executed. Firstly, the reference data of the Central Banks' is verified. Secondly, the CBs configure their own reference data as well as those of their T2 participants. Lastly, the T2 participants verify access to the system and finalize the configuration of their own reference data.

3.1.1 System Access part 2 (T2 participants)

3.1.1.1 Activity Group: System access and registration data form verification (T2 participant)

ID	T2.PM.T2P.SA
Activity Name	System access
Activity Group	System access and registration data form verification (T2 participants)
Actor	T2 participant admin
Data configuration (A2A, U2A)	U2A – reaching the landing page and the T2 common components.
Description	In this activity the T2 participant admin will access CRDM, CLM and RTGS via the ESMIG portal.
Prerequisites	T2.PM.CB.PTY.ARC.CU The T2 participant has provided the registration form(s) with the required data. Hardware and software complies with the requirements as listed in the CRDM UHB section 1.2.1 Setup and login procedures
Next activity (i.e. activities for which this is a prerequisite)	T2.PM.T2P.ARC.CU
Next PMCP	PMCP6
Optional	No
Reference UDFS	
Reference UHB	CRDM: 1.2.1 Setup and login procedures CRDM: 1.2.5 User Administration
Reference DMT	N/A
Reconciliation means	U2A: T2 participant admins are directed to an initial page named ESMIG portal that ensures proper routing to the web applications the user has been granted to enter. Once the user has accessed CRDM, the GUI should show the expected menu screens, fields, properties and functions, buttons and icons.
Related privileges	T2 participant admin privileges (configured by the CB as requested in the registration form provided by the T2 participant to the CB)
Required role	AH ESMIG Access

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: <ul style="list-style-type: none"> - 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
Reference DMT	N/A
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

ID	T2.PM.T2P.RFDV
Activity Name	Registration form data verification
Activity Group	System access and registration data form verification (T2 participants)
Actor	T2 participant user
Data configuration (A2A, U2A)	U2A:
Description	<p>The T2 participant user will verify that the data visible in the system matches the data input from the registration form(s). This includes</p> <ul style="list-style-type: none"> • Main information, general information on the Party; • Technical addresses, to define the Distinguished Names (DNs) that are authorized by the Party for the different services; • Service Link/s, to determine the participation type in the different services; • Information dedicated to specific TARGET services, that is defined at the Party level; • Invoice configuration, for completing the information needed for the billing set-up;
Prerequisites	<p>The T2 participant admin has completed system access and created the users who will verify the registration form data in the system.</p> <p>T2.PM.T2P.ARC.CU</p>

Next activity (i.e. activities for which this is a prerequisite)	T2.PM.T2P.RC
Next PMCP	PMCP6
Optional	No
Reference UDFS	N/A
Reference UHB	N/A
Reference DMT	N/A
Reconciliation means	The T2 participant admin user can verify and confirm that all data provided in the registration form is present in the system.
Related privileges	Relevant query privileges (depends on the Reference Data that needs to be verified), e.g: System Entity Query Party Reference Data Query Party-Service Link List Query Cash Account List Query Authorised Account User Query
Required role	AH ESMIG Access AH CRDM Reader

3.1.2 Reference data capture part 3 (T2 participants)

3.1.2.1 Activity Group: Party Configuration (T2 participant)

ID	T2.PM.T2P.RC
Activity Name	Routing configuration
Activity Group	Party configuration (T2 participant)
Actor	T2 participant user
Data configuration (U2A)	U2A: Common → Network Configuration → Routing →New Common → Network Configuration → DN-BIC Routing →New
Description	<p>Routing configurations specify the technical elements that are used to send a given outgoing message to the relevant actor. The routing configuration allows the setting up of either a default routing which is used when no specific conditions are defined for a party and a specific outgoing message or dedicated routings for specific outgoing messages.</p> <p>Each T2 participant is responsible for maintaining the reference data for their DN-BIC routing links (only applicable to RTGS message flows). For Inbound communication, different DNs can be linked to different BICs and vice versa. In the outbound case, the same BIC can only be linked to a single DN. However different BICs can still be linked to the same DN.</p> <p>If set to Outbound, a DN can only be linked to no more than one BIC.</p>
Prerequisites	T2.PM.T2P.ARC.CU
Next activity (i.e. activities for which this is a prerequisite)	T2.PM.T2P.MSG.RC
Next PMCP	PMCP6
Optional	No, except for U2A only users
Reference UDFS	CRDM UDFS v2.2 1.2.1 Connectivity
Reference UHB	CRDM 2.3.6.4 Routing 2.3.6.1 Distinguished Name – BIC Routing – Search/List Screen 2.3.6.2 Distinguished Name – BIC Routing – New/Edit Screen) 3.4.1.5 Create a Distinguished Name-BIC routing configuration

Reference DMT	N/A
Reconciliation means	<p>U2A: Users can go to Common → Network Configuration → Routing → Search and enter any known search criteria to view the list of routing between party and services.</p> <p>Common → Network Configuration → DN-BIC Routing → enter search criteria to display a list of DN-BIC couples matching the entered search criteria.</p>
Related privileges	<p>Create Routing Create DN-BIC routing, Routing list query Update Routing Update DN-BIC routing, DN BIC Routing query.</p>
Required role	<p>AH ESMIG Access AH CRDM Configuration Manager AH Access Rights Admin AH CRDM Reader</p>

ID	T2.PM.T2P.MSG.RC
Activity Name	Report Configuration
Activity Group	Party Configuration (T2 participant)
Actor	T2 participant user
Data configuration (U2A)	U2A: Common → Messages and Reports → Report Configuration → New
Description:	The T2 participant user will configure the reports that the T2 participant wants to receive
Prerequisites	T2.PM.T2P.RC
Next activity (i.e. activities for which this is a prerequisite)	T2.PM.T2P.MSG.RSC
Next PMCP	PMCP6
Optional	No
Reference UDFS	CRDM 1.3.7. Report configuration CLM 3.2.4 Messaging (Report configuration) 5.7.2 CLM report generation RTGS 3.2.4 Messaging (Report configuration) 5.6.2 RTGS report generation
Reference UHB	CRDM UHB v2.0 3.6.1 Report Management 3.6.1.1 Create a New Report Configuration
Reference DMT	N/A
Reconciliation means	U2A: Users can go to Common → Messages and Reports → Report Configurations → Search and enter any known search criteria to view the list of report configuration. Select the relevant row and check the details to verify the data input was correctly captured. (CRDM UHB 3.5 Reports)
Related privileges	Report configuration list query Report configuration details query Create report configuration Update report configuration
Required role	AH ESMIG Access AH CRDM Configuration Manager AH CRDM Reader

ID	T2.PM.T2P.MSG.RSC
Activity Name	Message subscription rule set configuration
Activity Group	Party configuration (T2 participant)
Actor	T2 participant user
Data configuration (A2A, U2A)	Common → Messages and Reports → Message Subscription Rule Set → New
Description:	<p>The T2 participant user can configure the specific set of messages it wants to receive from individual services and components for T2 participants and accounts.</p> <p>Each message subscription rule set is defined by the following elements:</p> <ul style="list-style-type: none"> - the name and the description of the message subscription rule set; - a validity period, specified by a mandatory initial date of validity and an optional final date of validity; - a set of subscribing interested parties to which the relevant service or component sends all the messages matching the rule set; - a set of rules defining the criteria according to which the relevant service checks whether a message has to be sent or not
Prerequisites	T2.PM.T2P.MSG.RC
Next activity (i.e. activities for which this is a prerequisite)	T2.PM.T2P.MSG.MSC
Next PMCP	PMCP6
Optional	Yes (for U2A only)
Reference UDFS	CRDM UDFS v2.2 1.3.5 – Message subscription configuration
Reference UHB	CRDM UHB v2.0 2.3.4.1 Message Subscription Rule Sets – Search/List Screen 2.3.4.2 Message Subscription Rule Set – Details Screen Context of Usage
Reference DMT	N/A
Reconciliation means	U2A: Users can go to Common → Messages and Reports → MSRS → Search and enter any known search criteria to view the list of message subscription rule sets. Select the relevant row

	and check the details to verify the data input was correctly submitted.
Related privileges	Create Message Subscription Rule Set Message subscription rule set details query Delete message subscription rule set Message subscription rule list query Update message subscription rule Delete message subscription rule
Required role	AH ESMIG Access AH CRDM Configuration Manager AH CRDM Reader

ID	T2.PM.T2P.MSG.MSC
Activity Name	Message subscription rules
Activity Group	Party configuration (T2 participant)
Actor	T2 participant user
Data configuration (U2A)	U2A: Common → Messages and Reports → MSRS → Search → Details → New Message Rule
Description:	The T2 participant user will set up message subscription rules, to be connected to an existing message subscription rule set.for the T2P's parties and accounts.
Prerequisites	T2.PM.T2P.MSG.RSC
Next activity (i.e. activities for which this is a prerequisite)	N/A
Next PMCP	PMCP6
Optional	No (except for U2A only)
Reference UDFS	CRDM UDFS v2.2 1.2.3 Message subscription 4.5.3.8 Message Subscription Rule - New
Reference UHB	CRDM UHB v2.0 2.3.4.1 Message Subscription Rule Sets – Search/List Screen 2.3.4.4 Message Subscription Rule – New/Edit Screen 4.1.15 Message Subscription Rule
Reference DMT	4.5.3.8 Message Subscription Rule - New
Reconciliation means	U2A: User can go to Common → Messages and Reports → Message Subscription Rules Set → Search and enter any know search criteria to view the list of rule sets. Select the rules set to

	which the rule was added, then click on details to verify that the rule was correctly captured in the rules set.
Related privileges	<p>Message subscription rule set list query</p> <p>Message subscription rule set details query</p> <p>Message subscription rule list query</p> <p>Update Message Subscription Rule Set and Message Subscription Rule Set List Query</p>
Required role	<p>AH ESMIG Access</p> <p>AH CRDM Configuration Manager</p> <p>AH CRDM Reader</p>

ID	T2.PM.T2P.DCA.AC
Activity Name	CLM and RTGS accounts configuration
Activity Group	Party configuration (T2 participant)
Actor	T2 participant user
Data configuration (A2A, U2A)	<p>U2A:</p> <p>T2 → Cash → Limits → New</p> <p>T2 → Cash → Cash Accounts → Search → click on New or Edit button</p> <p>(to configure the Account Threshold)</p> <p>A2A:</p> <p>ModifyLimit (camt.011)</p>
Description	<p>The T2 participant user will configure:</p> <p>Limit</p> <p>Standing Order for Limit (bilateral/multilateral)</p> <p>Liquidity Transfer Order</p> <p>Account Threshold Configuration:</p> <p>Payment Bank users can only edit floor/ceiling attributes for Cash Accounts under their datascope and for the ones for which they have been defined as Co-Manager.</p> <p>Please note.</p> <ul style="list-style-type: none"> - Minimum amount for a standing order for limit is EUR 1,000,000 - Setting to "0" of the amount of a standing order for limit has a similar effect as the deletion of a standing order for limit.
Prerequisites	T2.PM.CB.PTY.RFDV
Next activity (i.e. activities for which this is a prerequisite)	T2.PM.T2P.DCA.SOR
Next PMCP	PMCP6
Optional	Yes
Reference UDFS	<p>CRDM UDFS v2.2</p> <p>1.3.3.3. Description of the entities/1.Cash account</p> <p>1.3.3.3. Description of the entities/2. Limit</p> <p>1.3.3.3. Description of the entities/3. Standing order for Limit</p> <p>1.3.3.3. Description of the entities/5. Liquidity Transfer Order</p>

	<p>1.3.3.3. Description of the entities/7. Account Threshold Configuration</p> <p>3.1.1.7. ModifyLimit (camt.011)</p>
Reference UHB	<p>CRDM UHB v2.0</p> <p>2.3.2.3 Cash Account</p> <p>2.3.2.5 Limit</p>
Reference DMT	N/A
Reconciliation means	<p>U2A:</p> <p>Users can go to T2 → Cash → Standing/Predefined Liquidity Transfer Order → Search and enter any known search criteria to view the list of standing liquidity transfer orders.</p> <p>User can go to T2 → Cash → Limits → Search and enter any known search criteria to view the list of configured limits related to the cash accounts.</p> <p>A2A:</p> <p>Users will receive a Receipt(camt.025) in return from the camt.024 message.</p> <p>Users will receive a Receipt(camt.025) in return from the camt.011 message.</p>
Related privileges	<p>Create Liquidity Transfer Order</p> <p>Update Liquidity Transfer Order</p> <p>Create Limit</p> <p>Update Limit</p> <p>Cash Account list query</p> <p>Cash Account reference data query</p> <p>DCA_UpdateT2SDedicatedCashAccount</p>
Required role	<p>AH ESMIG Access</p> <p>AH CRDM Liquidity Manager</p> <p>AH CRDM Reader</p>

ID	T2.PM.T2P.SOR
Activity Name	Standing Order (T2 participants CLM and RTGS accounts)
Activity Group	Party configuration (T2 participant)
Actor	T2 participant user
Data configuration (A2A, U2A)	U2A: T2 → Cash → Standing Order for Reservation → New U2A: T2 → Cash → Standing/Predefined Liquidity Transfer Order → New A2A: ModifyStandingOrder (camt.024)
Description	Creation of a new Standing Order for a T2 participants CLM and RTGS accounts, specifying the priority, amount, cash account number, and Valid To and From. User can create standing orders with the following type: <ul style="list-style-type: none"> - Predefined - Standing - Rule-based floor - Rule-based ceiling
Prerequisites	T2.PM.CB.PTY.DCA.AC
Next activity (i.e. activities for which this is a prerequisite)	T2.PM.T2P.AMGC
Next PMCP	PMCP6
Optional	Yes
Reference UDFS	RTGS UDFS v2.2 3.1 Parties and Accounts) / 3.2 Accounts structure and functionalities 3.2.3 Functionalities CRDM UDFS v2.2 1.3.3.3. Description of the entities/1.Cash Account 3.1.1.1. ModifyStandingOrder (camt.024)
Reference UHB	CRDM UHB v2.0 2.4.1.13 Standing Order for Reservation – New/Edit Screen 2.3.2.8 Standing/Predefined Liquidity Transfer Order – Search/List Screen 2.3.2.9 Standing/Predefined Liquidity Transfer Order – Details Screen

	2.3.2.10 Standing/Predefined Liquidity Transfer Order – New/Edit Screen
Reference DMT	N/A
Reconciliation means	<p>U2A: Users can go to T2 → Cash → Standing Orders for Reservation → Search and enter any known search criteria to view the list of standing orders for reservation.</p> <p>A2A: Users will receive a Receipt(camt.025) in return from the camt.024 message.</p>
Related privileges	<p>Create Standing Order for Reservation</p> <p>Standing Order for Reservation List Query</p> <p>Standing Order for Reservation Details Query</p> <p>Update Standing Order for Reservation</p>
Required role	<p>AH ESMIG Access</p> <p>AH CRDM Liquidity Manager</p> <p>AH CRDM Reader</p>

ID	T2.PM.T2P.AMGC
Activity Name	Account Monitoring Group Configuration
Activity Group	Party configuration (T2 participant)
Actor	T2 participant user
Data configuration (U2A)	U2A: T2 → Cash → Account Monitoring Group → New
Description	<p>An Account Monitoring Group is an optional group of accounts (MCA(s) and DCA(s)). It grants a collective view over the liquidity of the involved accounts to payment banks. An Account Monitoring Group is used for liquidity monitoring purposes of payment banks; they are not used for the context of payment orders or liquidity transfer orders settlement. The leader party of the Account Monitoring Group can see the liquidity of all included accounts while the other participants of the Account Monitoring Group can only see the liquidity of their accounts.</p> <p>Payment banks can set up an Account Monitoring Group and specify the name of this group. The Account Holder, which sets up the Account Monitoring Group, is defined as leader party of the Account Monitoring Group. Each payment bank can then optionally add MCAs in his data scope to the Account Monitoring Group. All actions (set up, modify, delete) become effective as of the next business day or on the activation date.</p>
Prerequisites: Internal activities	T2.PM.CB.PTY.MCA.CLM

	T2.PM.CB.PTY.DCA.RTGS
Next activity (i.e. activities for which this is a prerequisite)	None
Next PMCP	PMCP6
Optional	Yes
Reference UDFS	CRDM UDFS v2.2 1.2.4. Graphical user interface CLM UDFS 3.4 Type of group
Reference UHB	CRDM UHB v2.0 2.4.1.3 - Account Monitoring Group
Reference DMT	N/A
Reconciliation means	U2A: Users can go to T2 → Cash → Account Monitoring Group → Search and enter any known search criteria to view the list of Account monitoring group names To view the details, select the row with the group name that was created, click on Details on the right side of the search list and verify that the data submitted corresponds to the list of details.
Related privileges	Create Account Monitoring Group Account Monitoring Group query Update Account Monitoring Group Account Monitoring Group Details Query
Required role	AH ESMIG Access AH CRDM Configuration Manager AH CRDM Reader

3.2 Pre-Migration Checkpoints

PMCP6: T2 participants reference data capture part 3 completed

Reasoning:

By this checkpoint all reference data configuration by T2 participants is completed.

Conditions:

- Checkpoint date: 24 October 2022

PMCP8 – End of Pre-Migration

Reasoning

This Checkpoint marks the end of the pre-migration and will be used to assess the status of the pre-migration for CBs and their participants before the MTRSG submission of the Pre-Migration reporting to the TSWG and MIB

Conditions

- Start date 24 October 2022

4 Pre-Migration Schedule (MS Project)

This chapter will describe the use of the Pre-Migration Schedule MS project file and include the detailed calendar for the Pre-Migration Stage.

4.1 Pre-Migration Schedule Calendar

4.2 Calendar composition

The calendar follows the process flow of the Pre-Migration Schedule BPMN. In most cases of the Pre-Migration Schedule, activities only have one predecessor, which is the previous directly linked activity as depicted in the BPMN. There may be more than one predecessor due to a join gateway (two process flows are combined into one) in the BPMN. The same principle applies for Successors.

Additionally, predecessors and successors have in some instances been attributed with a lag of one or several days (e.g FS-1days). This means that a task can start one day before the end of its predecessor and eliminates the unnecessary added time which is automatically added as default when a new task is created. This is particularly useful when two related activities (e.g. message subscription rule configuration and message subscription) are expected to be completed in parallel within the same time period yet require separate task IDs.

The reader should note that the listing of activities is not following a strict chronological order as some activities take place in parallel of one another (e.g. CB T2P party creation and CB T2P access rights configuration). The BPMN complements the calendar in this regard but the MS project Gantt chart can also be used for this purpose to some extent.

Durations of activities in the calendar have been estimated based on input from Central Bank users in operational teams working with TARGET2, and the experience and knowledge from the TARGET Services Desk personnel (operations) and T2 operator technicians and developers. Most importantly, the durations have been updated following the lessons learned and experience gained from the Pre-Migration (Dress) Rehearsals by Central Banks and their participants during Central Bank Testing (CBT) and User Testing (UT).











5 Activity Description Methodology


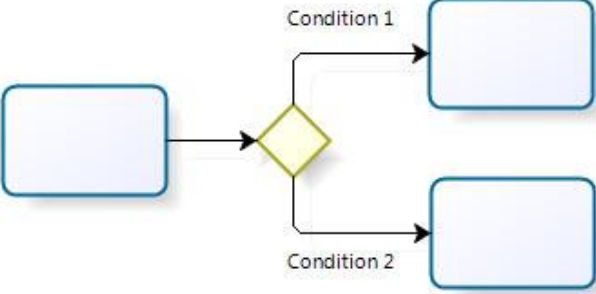
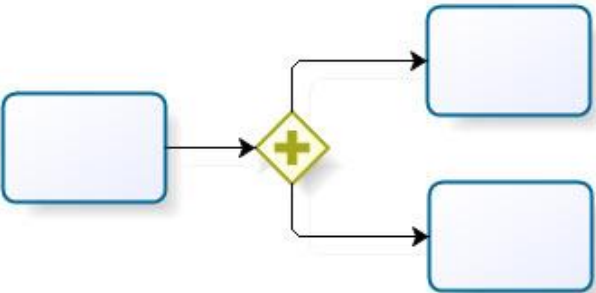
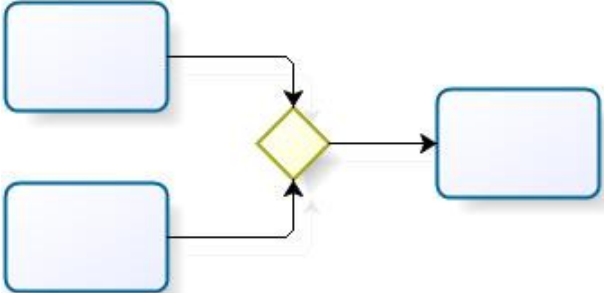
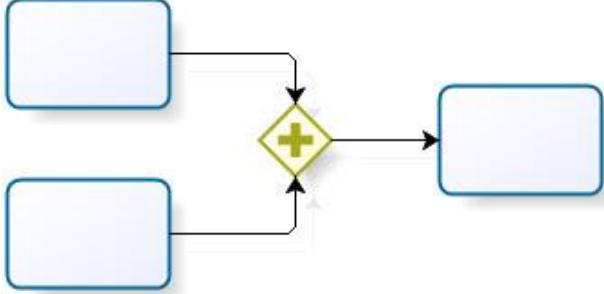
This chapter details the methodology employed for the description and depiction of pre-migration and migration weekend activities. In particular the BPMN elements used for the graphical representation are explained. This methodology is used throughout the Detailed Migration Storyline document and in its annexes.


The design principles and graphical elements are based on the Business Process Model and Notation (BPMN). The following BPMN elements are used in this document; particularities with respect to this document are highlighted in bold italics.

Table 1 - Overview of BPMN elements

Graphical Elements	Description
<div data-bbox="220 349 826 533"> </div> <p data-bbox="411 555 638 586">Pool with activities:</p> <div data-bbox="220 600 826 824"> </div> <p data-bbox="427 846 622 878">Pool with lanes:</p> <div data-bbox="226 891 820 1155"> </div> <p data-bbox="395 1173 654 1205">Pool with milestones:</p> <div data-bbox="226 1218 820 1469"> </div>	<p>Pool</p> <p>A pool groups activities into a process which is executed by one or several institutions. This could be T2 actors such as an Ancillary System as well as Central Banks and Payment Banks</p> <p>Pool with lanes: A pool can be split into lanes, e.g. to distinguish activities performed by T2 participants and Central Banks.</p> <p>Pool with milestones: A pool can be split into milestones in order to represent time dependencies graphically.</p>
<div data-bbox="427 1693 619 1827"> </div>	<p>Activity</p> <p>An activity is the generic term for work being performed as part of the business process.</p> <p>There are two types of activities:</p> <p>Task: An activity can depict a task i.e. an atomic unit of a process which cannot be divided any further</p> <p>Sub-process: An activity can be a sub-process that could be divided into several tasks.</p>

Graphical Elements	Description
	<p>Group</p> <p>A Group is a loose combination of activities and serves as a means to categorise or highlight activities. Similarly, groups are used to indicate services belonging together.</p>
<p>Generic start event:</p>  <p>Start event timer:</p>  <p>Start event condition:</p>  <p>End event:</p>  <p>Intermediate event timer:</p>  <p>Intermediate event condition:</p>  <p>Intermediate event message:</p>  <p>Intermediate event signal:</p> 	<p>Event</p> <p>An event indicates something “happening” at the beginning/end or in the course of the process flow.</p> <p>There are several types of events:</p> <p>Generic start event: The event that triggers the start of the process is not specific.</p> <p>Start event timer: The event that triggers the process is a specific point in time.</p> <p>Start event condition: The fulfilment of a condition initiates a process.</p> <p>End event: The process terminates.</p> <p>Intermediate event timer: The process awaits the end of a time span.</p> <p>Intermediate event condition: The process awaits the fulfilment of a business condition.</p> <p>Intermediate event message: The receipt of a message triggers subsequent activities.</p> <p>Intermediate event signal: The receipt of a signal triggers subsequent activities (e.g. an migration synchronisation point)</p>
	<p>Loop marker</p> <p>A loop marker indicates that a task is repeating.</p>

Graphical Elements	Description
	<p>Sequence Flow</p> <p>A sequence flow indicates the order in which activities are performed.</p>
<p>Decision:</p>  <p>Fork:</p> 	<p>Decision and Fork/Splitting the process flow</p> <p>There are two options for splitting the process flow:</p> <p>Decision: A decision indicates that the process can follow either one of two alternative process flows (“OR”-connection). In this case two or more conditions are described which determine the actual process flow.</p> <p>Fork: A fork indicates that the process will follow two process flows in parallel (“AND”-connection).</p>
<p>Merge:</p>  <p>Join:</p> 	<p>Merge and Join/Combining the process flow</p> <p>There are two options for combining the process flow:</p> <p>Merge: A merge indicates that two process flows are combined into one as soon as the first alternate process flow reaches the gateway (“OR”-connection).</p> <p>Join: A join indicates that two process flows are combined into one only if both process flows have reached the gateway (“AND”-connection).</p>

Graphical Elements	Description
 <p>The diagram illustrates a process flow. On the left, a light blue rounded rectangular box contains the text "Activity submitted to a deadline". To the right of this box is a small circular icon of a clock. A black arrow points from the right side of the first box to the left side of a second, identical light blue rounded rectangular box on the right, which contains the text "Next activity".</p>	<p>Activity submitted to deadline</p> <p>An activity may be submitted to a deadline (e.g. time limit for an escalation body to take a decision): when the deadline is reached, the next activity in the process can commence.</p>