

Detailed Migration Document for participants of TARGET2-NL

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MAIN WORKING ASSUMPTIONS

Chapter	Description – Working Assumption
General	The Detailed Migration Document (DMD) is interlinked with other migration deliverables such as the “Pre-Migration Schedule”, the “Migration Weekend Playbook” and the “Contingency Scenarios” and therefore may be subject to change due their future amendments.
General	Pre-Migration stage should be completed 2 weeks prior to the Migration Weekend
General	Unless otherwise specified, T2 refers specifically to CLM and RTGS.

1 INTRODUCTION

1.1 Objective

The purpose of this document is to provide a description of all generic activities and checkpoints applicable to the Pre-Migration, Migration and Post-Migration stages for participants of TARGET2-NL. It also includes procedures according to which Central Banks and their respective Communities have to migrate data to T2, covering the pre-migration period of at least 3 months before the migration weekend, the migration weekend and the end of the post-migration period. This document serves as internal Migration Plan for De Nederlandsche Bank and its Community.

1.2 Scope

The following items are in the scope of the DMD:

- High-Level migration calendar, including the Pre-Migration and Migration Weekend;
- Reference data & Dynamic data migration principles;
 - Capturing and migration of Reference data;
 - Migration of Dynamic Data (Payments Module and Home Accounting Module balances, Standing Facilities, minimum reserve requirement fulfilment data, fixed credit lines);
 - Reporting and reconciliation on migration activities;
 - Saving of data in production during migration period (if applicable);
 - Modification of reference data in linked TARGET services;
- Dependencies between the T2 migration stakeholders during the Pre-Migration and Migration Weekend: e.g. a participant cannot act before its Central Bank has completed its task;
- High-level activities and Pre-Migration checkpoints (PMCP), including the criteria for the Pre-Migration acceptance;
- High-level activities and Migration Weekend checkpoints (MWCP), including the criteria for final migration acceptance;
- Operational and escalation procedures in coherence with the T2 MOP;

The following items are not in the scope of the DMD:

- Detailed information covered in the Pre-Migration Schedule (separate deliverable);
- Detailed information covered in the Migration Weekend Playbook (separate deliverable);
- Detailed information covered in the communication framework (separate deliverable);

Detailed Migration Document

- Detailed information on migration contingency solutions to be put in place should any participant not be ready for the migration (separate deliverable);
- Activities in interlinked TARGET Services (e.g. T2S and TIPS) with dependencies to activities in CLM, RTGS and CRDM are described in separate documents e.g. a T2S playbook will be delivered in the remit of the Project Managers Group (PMG).

Furthermore, details and descriptions of Pre-Migration Dress Rehearsals (PMDR) and Migration Weekend Dress Rehearsals (MWDR) are not included in this document. These are separate activities occurring during the Testing Stage in test environments and will be detailed in the related testing documentation. Modified versions of the Pre-Migration Schedule and Migration Weekend Playbook deliverables will be prepared for the tests.

1.2 DMD Target Audience

This document is targeted at TARGET2-NL participants.

1.3 Relationship to other Migration Deliverables and Reference Documents

The figure below visually presents the deliverables and reference documents which are linked to the Detailed Migration Document

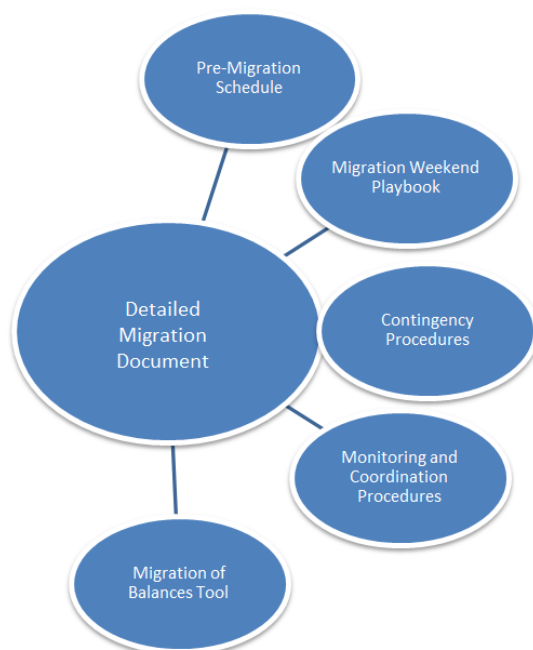


Figure 1 – Migration documents related to the Detailed Migration Document

2 GENERIC MIGRATION PRINCIPLES

2.1 Generic Migration Rules

Generic migration rules have been established as basis of the detailed migration document. These rules are listed in the following:

- In principle, the migration implementation shall consist of a Pre-Migration stage (at least 3 months), the Migration Weekend and a Post-Migration stage;
- As a pre-condition to commence the Pre-Migration stage the collection of participant's production data (including the reference data registration forms filled in by the participants), initial environment configuration and evaluation of migration testing results must be finalized;
- The reference data shall be set up during the Pre-Migration stage as described in Annex A Pre-Migration Schedule;
- Activities will be defined for each migration checkpoint;
- DNB will be in charge of the migration activity monitoring;

2.2 Communication

The general communication guidelines are outlined in the "Communication Framework" deliverable chapter 7 of the T2 Migration, Testing and Readiness Strategy document. This document also includes guidelines for the Pre-Migration and Migration Weekend.

2.3 Monitoring and Coordination

The detailing of how the monitoring of activities is carried out is described in the Annex D - Monitoring and Coordination of this document. This annex also includes the general principles and process flow diagrams for the monitoring activities and descriptions of the involved actors' roles.

2.4 Reporting

2.4.1 Reporting principles

During Pre-Migration and the Migration Weekend stages, CB Migration Managers will provide an oral report to the ECB of the status of their activities during the conference calls of each pre-defined checkpoint.

CB Migration managers are responsible for updating the Migration Information Centre (MIC) with the progress of their activities.

Each CB is responsible for collecting the information which is needed to provide the required information on the status of their activities in the MIC.

The communicated information, responsibilities, communication processes and channels are further described in section chapter 7 of the T2 Migration, Testing and Readiness Strategy document.

2.4.2 Content of the end reporting

The Migration reporting is composed of a Pre-Migration End Report (PMER) and a Migration Weekend End Report (MWER).

Each report is composed of the following elements:

- Overall assessment of the Pre-Migration stage / Migration Weekend stage
- List of incidents raised during each stage
- Status of the community
- List of open activities and left-overs
- Migration volumetric parameters

2.5 Calendar terminology

Checkpoints

A checkpoint represents the latest point in time during the migration implementation at which a specific objective has to be reached. The purpose of a migration checkpoint is to monitor the progress of all parties participating in the migration and to make sure that known dependencies are resolved at pre-defined checkpoints. In general, some of the coordination required will be of a bilateral nature (i.e. involving only a CB and the Eurosystem) while other will be of multilateral nature (i.e. involving multiple migration actors). Migration checkpoints are used to reflect the multilateral aspect of required coordination during the migration implementation. Several checkpoints during pre-migration (PMCP), migration weekend (MWCP) and post-migration (POMCP) have been created. The specific description of these migration checkpoints, their rationale and entry criteria to be met are presented in the detailed sections on the pre-migration, migration weekend and post-migration stages.

The procedures to be followed for the migration checkpoint assessment are described in Annex D - Monitoring and Coordination of this document.

Stages and phases

The overall periods are referred to as stages. There are three overall stages during the Migration: Pre-

Migration, Migration and Post-Migration. Each stage has periods in which activities take place over time; if applicable these are referred to as phases.

Milestones

Milestones are points at which the progresses against expectations are evaluated before deciding whether to proceed or not. An example for this is the Go/No-Go decision. The milestones should not be confused with the T2 project Key Milestones.

2.6 Dependencies and Checkpoints

This chapter provides a high level overview of the dependencies by role as well as the Pre-Migration and Migration Weekend checkpoints (PMCP and MWCP). Furthermore it explains how the checkpoints were determined in order to handle dependencies between actors and roles in the pre-migration phase.

There are two types of dependencies among activities to be considered:

Dependencies within a single actor:

The BPMN extract below from the Pre-Migration Schedule shows dependencies within a single actor. Activities proceeding T2.PM.CB.ACR.CU are dependent on the completion of access rights configuration by the CB admin.

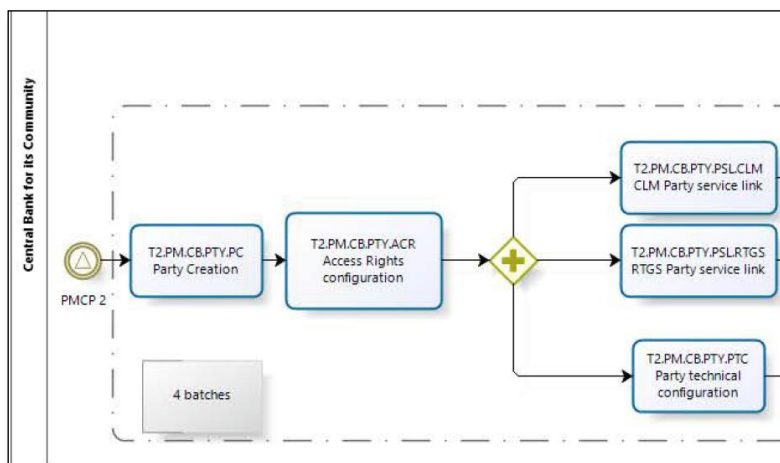


Figure 2 - Pre-Migration BPMN: CB own activities

Dependencies among actors:

The extract below from the Migration Weekend Playbook shows the dependency between T2 Operator and the CB. The activity T2.MW.CB.CL.REC CB reconciliation of migrated credit lines and

the proceeding activities cannot be carried out before the T2 Operator has completed T2.MW.T2O.CL.MIG Migration of Credit Lines.

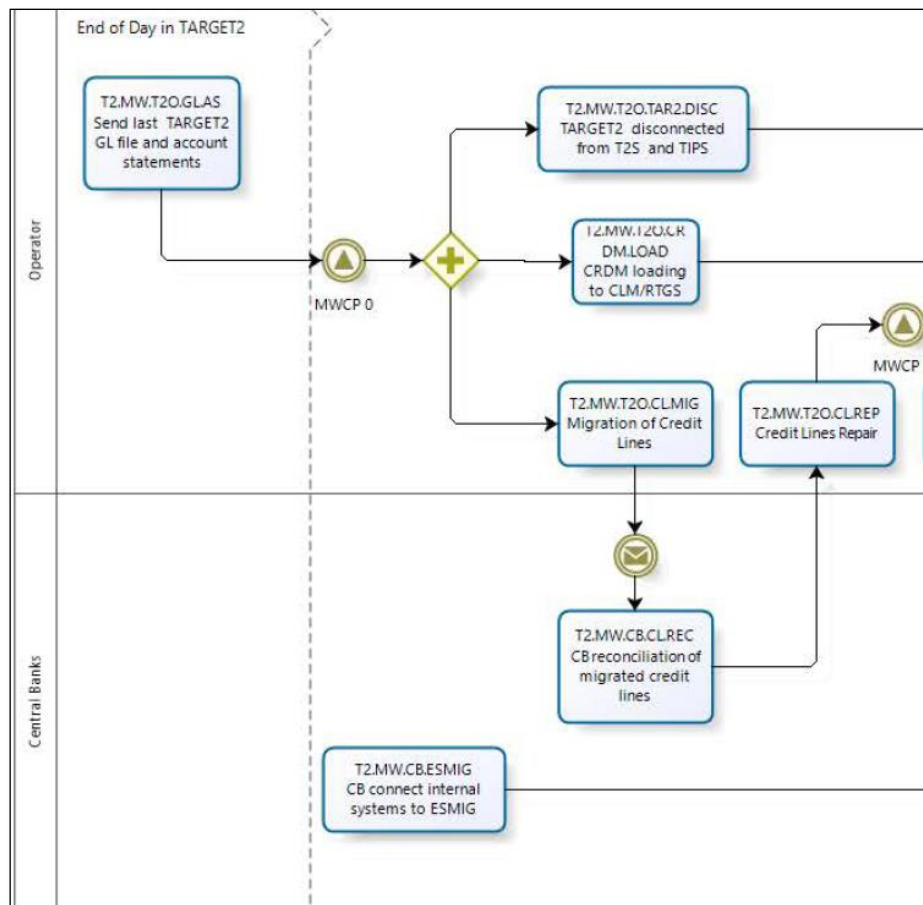


Figure 3 – Migration Weekend BPMN: T2 Operator and CB activities

3 MIGRATION TIMELINE

The purpose of this chapter is to provide a high level calendar of the stages and phases of the migration. The chapter also includes descriptions of the phases and their activities. The detailed versions of the calendars are included in the Pre-Migration Schedule and the Migration Weekend Playbook deliverables. High level descriptions of the activities and checkpoints are also provided in the chapter 5 and 6 of the DMD. All dates are in 2022.

[Dates of the phases and checkpoints to be complemented throughout the drafting process of the Pre-Migration Schedule and Migration Weekend Playbook deliverables]

3.1 Migration Timeline

The high level timeline below presents the three migration stages, their phases by actors and the date for the milestone of the MIB Go/No-Go decision.

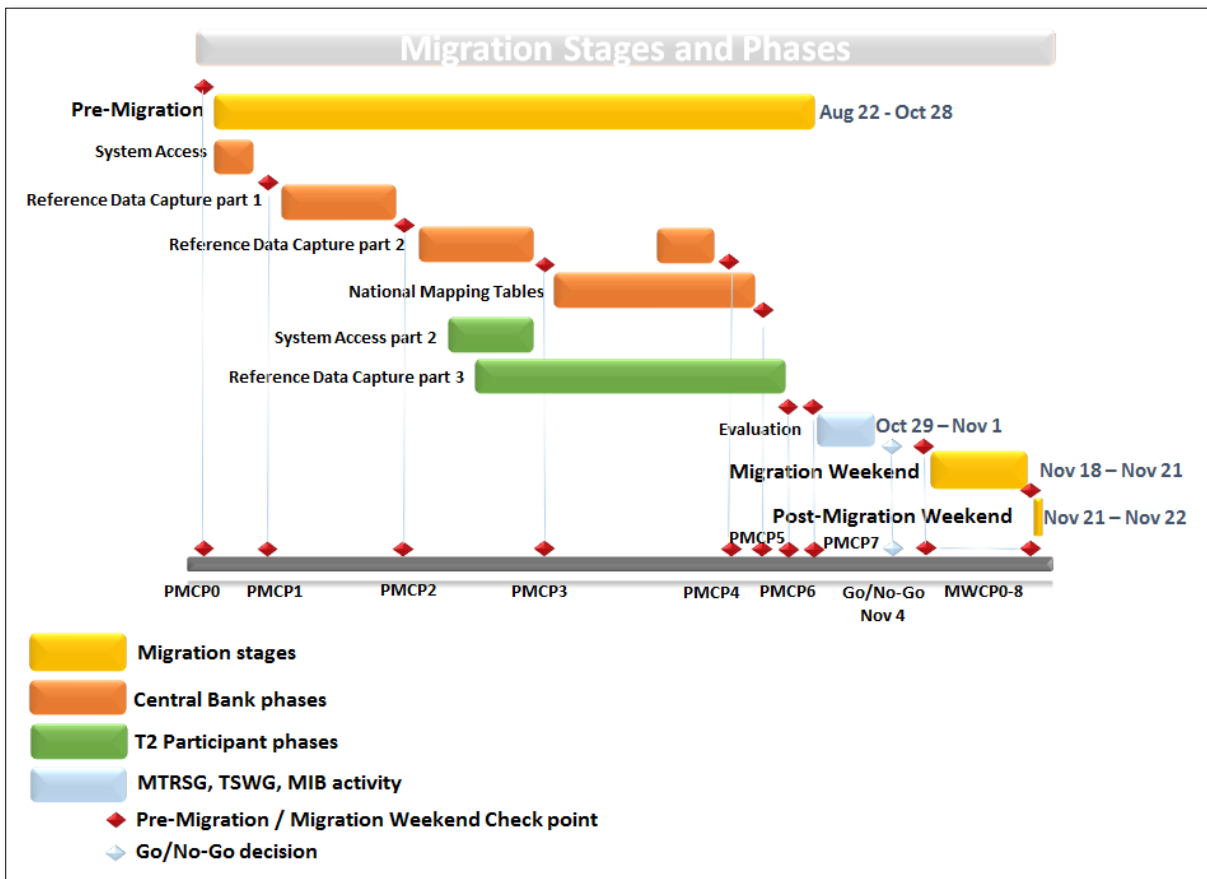


Figure 4 – High level Migration Timeline

3.2 Migration Timeline Composition

This section includes high level descriptions of the pre-migration, migration and post-migration phases, their included activities and responsible actors. The activities are further described in the respective sections of this document in chapter 4.2 and 5.3 and detailed in annex A – Pre-Migration Schedule and annex B - Migration Weekend Playbook.

Pre-Migration

- System access part 1 (Central Banks)

In this first phase of the Pre-Migration, CBs initiate their system access to T2 and its common components. The CB admin verifies that the data provided in the registration form matches the data in CRDM (Name of the CB, accounts, CB admins etc.).

- Reference data capture part 1 (CBs own level 2 and 3)

In the reference data capture part 1, CBs configure their own level 2 data (CB admin creates users, manages party and account data, network configuration, billing configuration, message subscription etc.). Once completed, CBs capture and configure their own level 3 party data (party, accounts and monitoring etc.)

- Reference data capture part 2 (CB for its community)

In the third phase, CBs will capture the required reference data for their communities (create parties, set up their accounts and the access rights etc.).

- System Access part 2 (T2 participants)

T2 participants initiate system access (T2 participant admin verifies the accessibility to T2 and the common components in U2A or A2A mode and configures access rights for the T2 participant users). The T2 participant user verifies that the data provided in the registration form matches the data in the system (Party configuration, accounts, T2 participant admins etc.).

- Reference data capture part 3 (T2 Participants)

T2 participants configure their own level 3 party data (party and account configuration, reports and monitoring)

- National Mapping Table

In this phase, CBs build their National Mapping Tables (NMT). These tables define the relation between the current accounts in TARGET2 (including accounts from HAM, SFM, RMM, PHA and credit lines), and future T2 accounts. Once built, CBs request the operator to validate the mapping tables. This phase runs in parallel with the reference data capture part 3 for the T2 participants.

- Evaluation

The evaluation period is the final phase of the pre-migration period between 29 October and 1 November. During this time, the Eurosystem will evaluate the progress and results of the activities carried out by the participants and report the overall community readiness for the migration to the MIB. The Pre-Migration report and recommendation will be sent to the MIB.

- Go/No-Go decision for the start of the Migration Weekend

The decision to proceed with the migration will be taken by the MIB following the evaluation period on 4 November 2022.

Migration Weekend Stage

The migration weekend begins on 18 November after the closing of the business day in TARGET2. The migration weekend is executed according to the Migration Weekend Playbook (MS/Project Plan), which covers the detailed activities that have to be performed by whom, their duration and their dependencies.

Post-Migration Stage

The post-migration stage covers the period from the start of calendar day on November 21 until the close of business day.

4 PRE-MIGRATION

This chapter describes the entry criteria for the Pre-Migration stage and the high-level activities that must be performed during this stage. A detailed description of all specific pre-migration activities, deadlines and checkpoints applicable will be available in the separate deliverables of the DMD, Annex A - Pre-Migration Schedule.

4.1 Pre-Migration Rules

- Prior to the Pre-Migration, ECB has provided the electronic registration forms to Central Banks, while 4CB has collected the registration forms that the Central Banks sent them. CBs must also have collected the registration forms from their participants;
- The reference data capturing during the Pre-Migration stage shall be completed in accordance to a sequence that will be specified by the MTRSG in collaboration with 4CB;
- All reference data that can be captured in advance to the migration weekend should be completed during the Pre-Migration stage in order to minimize the amount of migration weekend activities;
- Warehoused payments cannot be submitted for value dates after the final the business day in TARGET2 (either in the old MT format or in the new ISO format). New ISO20022 format messages can be processed after the balances are migrated from TARGET2 to T2 and the of the new business day starts in T2. Pre-Migration checkpoints (PMCP) are to be monitored during the Pre-Migration stage.

4.2 Pre-Migration Activities

This sub-chapter describes in high level the included activities and entry criteria for each phase in the Pre-Migration stage.

4.2.1 System Access part 1

The purpose of the first phase is the initial verification that the CBs can communicate at technical and application level with T2 (production environment) and the required common components (e.g. CRDM, DWH etc.). In addition, CBs perform an initial business configuration verification to ensure that the party data set up by the T2 Operator corresponds to the data which was provided by the CB in the electronic data registration form. The system access is validated through successful sending and receiving of messages (A2A) and/or the user's ability to reach the ESMIG landing page (U2A) and the required common components.

This sub-chapter describes solely the entry criteria and activities executed during the system access

phase. Details of the connectivity processes are defined as part of the “Connectivity Guide” deliverable and its supporting document “Connectivity Plan”

Entry Criteria

- Exit criteria of the user testing are successfully fulfilled and a timetable for the implementation of the corrections for the remaining severe defects has been mutually agreed by the Eurosystem and the communities of the CBs. For possible minor defects remaining unsolved, a resolution plan has to be provided;
- Prior to the start of the connectivity set-up, the CBs must have finalised their negotiations and signed the contract with network service provider(s) ;
- Needed services from NSPs are ordered and delivered by the NSPs (e.g. e-ordering completed) and CBs have prepared their internal systems for the connectivity testing;
- CBs have completed the “ping” connectivity test;
- CBs have delivered the registration forms to 4CB;
- T2 operator has performed the business application configuration (following the input of data from the collected registration forms).

Activities

- CBs execute the system access activity (connectivity to T2 and all required common components in production environment);
- CBs admins set up the access rights for its users
- CBs verify the business configuration by the T2 Operator;
- CBs report the results of their system access and registration form verification.

4.2.2 Reference Data Capture Part 1

In this first reference data capture phase, CBs will capture their own level 2 and level 3 reference data.

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4.2.3 Reference Data Capture Part 2

In the reference data capturing part 2 phase, CBs will capture the reference data of their community i.e. all data of the T2 participants required to get authentication and authorisation to access T2and accounts. This sub-chapter describes solely the entry criteria and activities executed during this phase.

Details of the T2 registration process are defined as part of the “TARGET Services Registration and On-boarding Guide” in a separate deliverable.

Entry Criteria

- T2 participants have delivered their registration forms to their NCB;
- Availability and successful acceptance testing of the Data Migration Tool (DMT) provided by 4CB;
- Successful performance of at least one Pre-Migration (Dress-) rehearsal in which CBs and T2 participants have successfully captured required reference data of its CB and its participants.

Activities

- CBs initiate reference data capturing activities in accordance with the TARGET Services Registration and On-boarding Guide”
- CBs execute capturing of reference data manually via U2A or A2A and with the support of the DMT when applicable;
- CBs report the status of their reference data capture activities;

4.2.4 National Mapping Tables

In this phase NCBs will build their NMT and request the T2 operator to validate the tables.

The preparation of the National Mapping Tables (NMT) will run in parallel with the System Access Part 2 and can be completed only once all T2 participants’ parties and accounts have been created.

Entry Criteria

- NCBs have completed the reference data capture part 2 phase.

Activities

- CBs build their National Mapping Tables
- T2 operator validates the NMT

4.2.5 System Access Part 2

In this second system access phase the migrating T2 participants will verify they can access T2 and the required common components on technical and application level. This communication is validated through the successful sending and receiving of messages (A2A) and/or the participant’s ability to reach the ESMIG landing page (U2A) and the required common components. In addition, the participants will perform an initial business configuration verification to ensure that the party data set up by the CB corresponds to the data which was provided in the reference data registration form. The T2 participants can begin their activities once their CBs have reached PMCP3.

This sub-chapter describes solely the activities and entry criteria during the second part of the system access phase for the T2 participants. Details of the connectivity processes are defined as part of the “Connectivity Guide” deliverable.

Entry Criteria

- Prior to the start of the connectivity set-up, the T2 participants must have finalised their negotiations and signed the contract with network provider(s);
- Needed services from NSPs are ordered and delivered by the NSPs (e.g. e-ordering completed);
- Participants have prepared their internal systems for the connectivity testing;
- The CBs has captured the required reference data (creation of party and T2 participant admins);

Activities

- T2 Participants execute the system access and registration form verification activities;
- T2 Participants configure access rights to their users;
- T2 Participants report their connectivity results to their CB;

4.2.6 Reference Data Capture Part 3

This third part of the reference data capturing process forms the completion of the reference data capturing exercise for the T2 participants. This sub-chapter describes solely the entry criteria and activities executed during the final part of the reference data capturing process.

Entry Criteria

- Successful performance of at least one Pre-Migration (Dress-) rehearsal in which CBs and participants have successfully captured required reference data of its CB and its participants.

Activities

- T2 participants complete the required capturing and configurations of their own reference data;
- CBs report the status of the registration activities of their community.

4.2.7 Evaluation

The evaluation phase is the final phase in the Pre-Migration stage. An end-of-pre-migration report will be produced for the MTRSG, where the performed tasks are assessed in terms of operational readiness of the Central Banks and the T2 participants in their community. Based on this information,

a recommendation is provided to the TSWG and MIB in preparation of the Go/No-Go decision on November 4.

Entry Criteria

- All pre-migration activities and status report are finalized.

Activities

- Eurosystem assessment of community readiness based on results of the pre-migration activities;

4.3 Pre-Migration Checkpoints

- PMCP0: Green-Light to start Pre-Migration;

This checkpoint allows all actors to start with their pre-migration activities.

- PMCP1: CBs system access, access rights and registration form data verification completed;

By this checkpoint all CB should have completed the system access activities.

- PMCP2: CBs reference data capture part 1 completed;

By this checkpoint CBs have completed their own reference data activities (own level 2 and level 3 reference data).

- PMCP3: System access granted to all T2 participants;

By this checkpoint all CBs have completed the party creation of their T2 participants and configured access rights for the T2 participant admins.

- PMCP4: CBs reference data capture part 2 completed;

By this checkpoint CBs have completed the configuration and capturing of reference data for their communities.

- PMCP5: All NMTs correct;

By this checkpoint CBs have built their NMT and had it validated by the T2 operator.

- PMCP6: Reference data capture part 3 completed;

By this checkpoint all reference data of CBs and their communities have been captured.

- PMCP7: End of Pre-Migration;

This checkpoint marks the end of the pre-migration and will be used to assess the status of the pre-migration of CBs and their T2 participants before the MTRSG recommendation to the TSWG and MIB.

5 MIGRATION WEEKEND

The purpose of this chapter is to provide a high-level overview of entry criteria, milestones and activities during the migration weekend stage as well as mitigating measures. A detailed description of all specific migration weekend activities, deadlines and checkpoints applicable will be available in the separate deliverable Annex B of this document “Migration Weekend Playbook” (MWP).

5.1 Migration Weekend Rules

The following rules apply for the migration weekend stage:

- Migration Weekend Checkpoints (MWCPs) are to be monitored during the migration weekend stage;
- Network service providers are to ensure special support (e.g. no maintenance windows) during the migration weekend and will be involved during the whole week-end;

5.2 Migration Weekend Entry Criteria

Before the migration weekend, entry criteria have to be met by the involved T2 actors. On a high-level, the following entry criteria can be distinguished:

- Exit criteria of the user testing are successfully fulfilled and a timetable for the implementation of the corrections for the remaining severe defects has been mutually agreed by the Eurosystem and the communities of the CBs. For possible minor defects remaining unsolved, a resolution plan has to be provided;
- Successful completion of the pre-migration activities;
- Availability of all required information and processes to ensure a successful execution of the migration weekend activities, including in case of contingency situations. In this context the following deliverables and processes are referred to: Migration Weekend Playbook, Migration contingency scenarios (incl. contact lists). In terms of processes, the communication scheme, roles and responsibilities and tools to be used must be clarified and available (e.g. migration website) ;
- Confirmation of the Eurosystem and the CBs that the necessary control mechanisms and decision-making process are defined /in place to ensure a successful execution of the migration process over the weekend;
- The operational documentation (i.e. T2 InfoGuide) has to be finalized and validated;
- Confirmation that the external communication has been rolled out;
- Confirmation of the CBs of their readiness and that of their community for the start of the migration weekend activities.

5.3 Migration Weekend Activities

This sub-chapter provides an overview of activities during the migration weekend.

- CBs and their participants migrate and adapt their internal systems to ensure they are compatible with the T2 platform;
- Loading of balances from TARGET2 PM, accounts from HAM, SFM, RMM, PHA, fixed credit lines (according to the NMT) and all other dynamic data (for example possible overnight deposits and marginal lending input);
- Participant activities: dynamic data execution (for example immediate/ standing orders) ;
- *[to be complemented throughout the “detailed migration document” drafting process]*

5.4 Migration Weekend Checkpoints

MWCP0	ECB gives the migration managers the green light to start the migration.
MWCP1	Migration managers confirm the successful completion of the reconciliation of the migrated credit lines.
MWCP2	Migration managers confirm the successful completion of the reconciliation of the migrated balances.
MWCP3	Migration managers confirm the initiation of liquidity distribution.
MWCP4	Migration managers confirm the completion of the CLM balance reconciliation.
MWCP5	Migration managers confirm the execution of CLM standing orders and the completion of balance reconciliation.
MWCP6	Migration managers confirm the execution of RTGS standing orders and the completion of balance reconciliation.
MWCP7	Migration managers confirm the execution of the final liquidity distribution and the completion of balance reconciliation.

6 POST-MIGRATION

The main objective of the post-migration stage is to monitor the stabilisation of the T2 platform in terms of performance and service level.

6.1 Post-Migration Rules

In order to ensure that the platform and the new setup including the systems on the T2 stakeholders' side can stabilise, all involved T2 actors should adhere to the following principles:

- Close monitoring of all systems including internal systems on the T2 stakeholders side;
- The T2 platform will be operated according to the normal production procedures as defined in the InfoGuide;
- Changes to the involved systems that are not related to fixing bugs or resolving issues should be avoided;
- The software and configuration of the pre-production testing stage should be brought in sync with the production environment to allow an easier reconstruction of (potential) issues on the production environment and the test of their solution;
- If required, the post-migration time period can be extended.

6.2 Checklist

Prior to the post-migration stage, all Participants should take the necessary measures to accommodate the effects of migrating to a new system. For this purpose, it is highly recommended to consider the following points for the first days of T2:

- Sufficient resources available in operations and support functions
- Early login to verify connectivity, systems and reference data prior to the opening of business day– is everything looking as expected?
- Verification of balances regular settlement of operations and customized settings;
- Process / workflow documents and contingency procedures - are these updated and in line with the changes introduced with T2?

6.3 Post-Migration Stage Checkpoints

Migrating T2 into production environment will require significant efforts from all involved stakeholders. Thus, the performance and operation of the T2 system will be of interest to several parties (the ECB, CBs and their communities) in the course of the first business days.

7 EXCEPTION HANDLING

The following list of topics will be described in the Annex C – “Contingency Procedures” deliverable and its supporting document “Detailed Contingency Procedures”:

- Definition of major scenarios of contingency, e.g.:
 - CBs or participants are unable to capture reference data
 - Discrepancy in the migrated balances
 - Failure to perform business as usual
- Description of procedures and activities to be executed during the contingency situation
- Roles and responsibilities during the execution of the contingency procedures, e.g. involvement of the migration managers and dedicated crisis managers on the side of the Eurosystem, the CBs and other T2 parties.

8 APPENDIX

8.1 Index of Illustrations

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FIGURE 4 - MIGRATION WEEKEND CALENDAR	FOUT! BLADWIJZER NIET GEDEFINIEERD.

8.2 Reference Documents


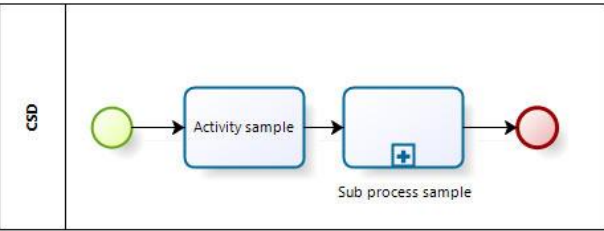

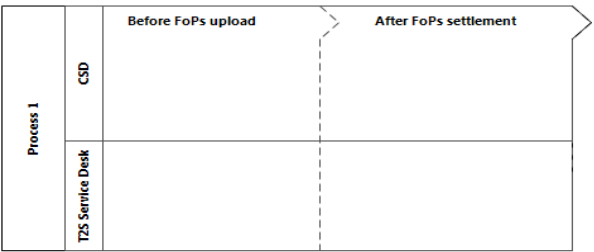
Document Title	Comments
T2 Connectivity Guide	Deliverable related to the pre-requisites of the pre-migration stage chapter
TARGET Registration and On-Boarding Guide	Deliverable related to the pre-requisites of the pre-migration stage chapter
Migration Weekend Playbook	Deliverable related to the migration weekend stage chapters
Pre-migration Schedule	Deliverable related to the pre-migration stage chapter
Migration Communication Framework	Migration deliverable related to the migration synchronisation point chapter
T2 MOP	Deliverable to replace the TARGET2 MOP once T2 goes live



8.3 Activity Description Methodology – BPMN Notation









This section 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.


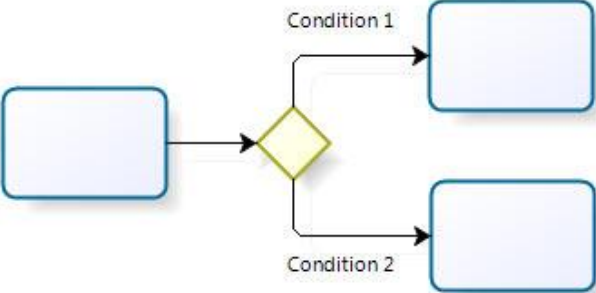
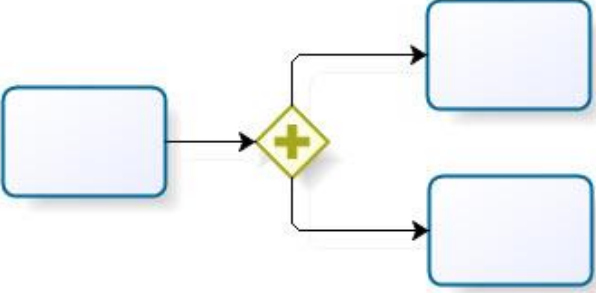
The design principles and graphical elements are based on the Business Process Model and Notation (BPMN). The following BPMN elements are used in this document; particularities with respect to this document are highlighted in bold italics.

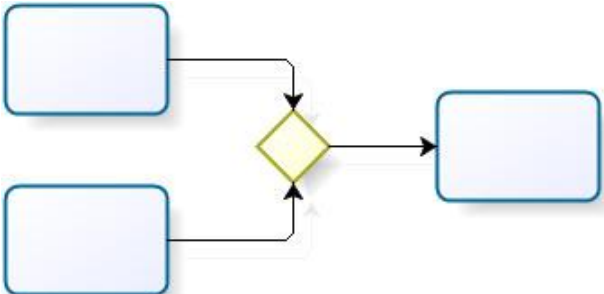
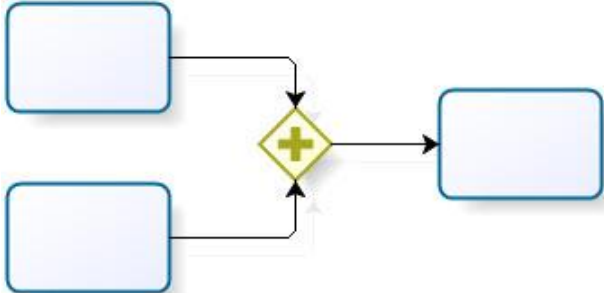

Table 1 - Overview of BPMN elements

Graphical Elements	Description
<p style="text-align: center;">Pool:</p> 	<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 Central Banks as well as CSDs and Payment Banks (with a direct connection to T2).</p>
<p style="text-align: center;">Pool with activities:</p> 	<p>Pool with lanes: A pool can be split into lanes, e.g. to distinguish activities performed by Central Banks, CSDs and Payment Banks.</p>
<p style="text-align: center;">Pool with lanes:</p> 	<p>Pool with milestones: A pool can be split into milestones in order to represent time dependencies graphically.</p>
<p style="text-align: center;">Pool with milestones:</p> 	

Graphical Elements	Description
	<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>
	<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 T2 services belonging together.</p>

Graphical Elements	Description
<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>

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>

Graphical Elements	Description
<p style="text-align: center;">Merge:</p>  <p style="text-align: center;">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>
	<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>

8.4 Activity ID naming

This chapter details the methodology employed for the description and depiction of pre-migration and migration weekend activities.

For the description of activities Annex A the following notation is used:

ID	Activity ID
Activity Name	<i>Unique name of the activity</i>
Activity Group	<i>e.g. Access Rights Data, Reflected in graphics as well</i>
Actor	<i>e.g. T2 Operator / CB admin/ T2 participant user/</i>
Data configuration (A2A, U2A, DMT)	<i>U2A: reference to screen(s) A2A: ISO20022 xml messages DMT: Data Migration Tool</i>
Description	<i>Description of the activity in the context of pre-migration activities and if necessary the reference data object.</i>
Prerequisites	<i>The checkpoint(s) or activities which must be completed before the activity can start. This marks particularly the dependencies to other actors.</i>
Next activity <i>(i.e. activities for which this is a prerequisite)</i>	<i>The next activity (by the same actor) which requires this activity to be completed beforehand.</i>
Next PMCP or MCP	<i>The next checkpoint.</i>
Optional	<i>Y(es)/N(o) flag indicates whether this activity is a mandatory step, that every actor needs to complete.</i>
Reference UDFS	<i>Reference to the UDFS version, chapter number, message name and message code</i>
Reference UHB	<i>Reference to the UHB version, the Business case name and number in the section 3 User Instructions Part of the UHB.</i>
Reference DMT	<i>Reference to the DMT</i>
Reconciliation means	<i>U2A: the UHB Business case (see above) also identifies the list screen that can be used for reconciliation purpose.</i>

	<p><i>DMT: the DMT “Enriched file” allows for checking the results of the validations performed within the DMT module.</i></p> <p><i>A2A: Several ways of reconciliation are listed, when available.</i></p> <p><i>Status advice: status advice message from T2,</i></p> <p><i>List Query: query message and response message from T2</i></p> <p><i>Audit Trail Query: query message and response from T2</i></p> <p><i>Report: report message.</i></p>
Related privileges	<i>List of privileges that are required to execute this activity. The privileges are referenced in the UHB and UDFS</i>
Required Role	<i>List of role/roles required to execute this activity.</i>

For the description of activities Annex B the following notation is used:

ID	Activity ID
Activity Name	<i>Unique name of the activity</i>
Activity Group	<i>e.g. Access Rights Data, Reflected in graphics as well</i>
Actor	<i>e.g. T2 Operator / CB admin/ T2 participant user/</i>
Data configuration (A2A, U2A, DMT)	<p><i>U2A: reference to screen(s)</i></p> <p><i>A2A: ISO20022 xml messages</i></p> <p><i>DMT: Data Migration Tool</i></p>
Description	<i>Description of the activity in the context of pre-migration activities and if necessary the reference data object.</i>

ID naming scheme

Part	Abbreviation	Description
1	T2.PM / T2.MW	Pre-Migration / Migration Weekend Activities Document
2	CB / T2P/ T2O	Central Bank / T2 participant/ T2 Operator
3	MSG / ACR / RES / PTY / DCA	The corresponding group of activities as highlighted in colour in the graphical representation: Messaging and Reporting Data / Access Rights Data / Restrictions and Rules Data / Party Data / Dedicated Cash Account Data
4	e.g. CU	Abbreviation for the activity

The Activity ID is made of the above four parts 1.2.3.4. e.g. T2.PM.T2P.ACR.CU stands for:

- 1 - T2.PM: Pre-Migration: The activity is in the Pre-Migration stage
- 2 – T2P: The actor is the T2 participant
- 3 – ACR: The group of activities is related to Access Rights Data
- 4 – CU: The activity is the set-up of users of the T2 participant

8.5 Data Configuration Modes & Reconciliation means**Annex A – Pre-Migration Schedule**

Placeholder for “DMD - Annex A - Pre-Migration Schedule” document.
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Annex B – Migration Weekend Playbook

Placeholder for the “DMD – Annex B – “Migration Weekend Playbook”” document

Annex C – Contingency Procedures

Placeholder for the “DMD – Annex C – “Contingency Procedures” document

Annex D - Monitoring and Coordination Procedures

Placeholder for “DMD - Annex D - Monitoring and Coordination Procedures” document.

Annex E – Migration of Balances Tool

Placeholder for “DMD - Annex E – Migration of Balances Tool.

9 LIST OF ABBREVIATIONS

Abbreviation	Description
A2A	Application-to-Application Access Mode
BPMN	Business Process Model and Notation
CB	Central Bank
CLM	Central Liquidity Management
CR	Change Request
DCA	Dedicated Cash Account
DMD	Detailed Migration Document
DMT	Data Migration Tool
EOD	End of Day
ESCB	European System of Central Banks
LLI	Last Level Intervention
LT	Liquidity Transfer
MOP	Manual of Operational Procedures

MBT	Migration of Balances Tool
MIB	Market Infrastructure Board
MTRSG	Migration Testing Readiness Subgroup
MCP	Migration Checkpoints
NSP	Network Service Provider
PMCP	Pre-Migration Checkpoint
PoNR	Point of No Return
RTGS	Real-Time Gross Settlement
RTS	Real-Time Settlement
SOD	Start of Day
TARGET2	Trans-European Automated Real-time Gross settlement Express Transfer system
T2	CLM and RTGS TARGET2
T2P	T2 participant
T2O	T2 operator
T2S	TARGET2-Securities
TSD	TARGET Service Desk
TSWG	TARGET Services Working Group - Project Managers Group
TBC	To be confirmed
U2A	User-to-Application Access Mode
UDFS	CLM and RTGS User Detailed Functional Specifications