

Detailed Migration Document
for users of TARGET2-NL
for information purposes

Annex B – Migration Weekend Playbook

Table of Contents

1	Introduction.....	4
1.1	Objective	4
1.2	Scope:	4
1.3	Organization of the document	4
2	Business Process Model and Notation	5
2.1	Migration Weekend Playbook BPMN	5
3	Migration Weekend Activities and Checkpoints	6
3.1	Migration Weekend Checkpoints	22
4	Migration Weekend Playbook	22
4.1	Migration Weekend Playbook calendar	23
4.2	Calendar composition	23
5	Annexes	24
5.1	Activity Description Methodology – BPMN Notation	24

1 Introduction

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

1.1 Objective

The objective of the Migration Weekend Playbook is to deliver detailed activities tables and the Business Process Model and Notation (BPMN) of all activities, deadlines and checkpoints applicable during the Migration Weekend. The Migration Weekend Playbook will be an input for the Preparation of the Migration Weekend testing and the Execution of the 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 TARGET2 participants. It aims to support these stakeholders in their preparation for the go-live of T2-T2S Consolidation.

1.2 Scope:

In Scope

- The first part is a word document which includes the following:
 - Detailed descriptions of activities to be executed during the Migration Weekend.
 - Dependencies between the T2 Actors and their activities during the Migration Weekend
 - BPMN of the activities, actors and checkpoints
- The second part is a MS/Project document detailing the calendar with activities, responsible actors, and scheduled durations.

Out of Scope

- Details of the methodology employed for the description and depiction of pre-migration and migration weekend activities is provided in an Appendix of the DMD (to be added in v0.3).

1.3 Organization of the document

This document is organized in five chapters. The first chapter introduces the document, objectives, content and planning. The second chapter includes the Business Process Model and Notation. The third

chapter will describe and include the detailed activity tables. The fourth chapter includes a calendar with the sequencing of activities in PDF form based on the MS project file of the schedule. The final chapter includes the annexes.

2 Business Process Model and Notation

The purpose of the Business Process Model and Notation (BPMN) is to support business process management, for both technical users and business users, by providing a notation that is intuitive to business users, yet able to represent complex process semantics of the Migration Weekend activities. This chapter will describe the use of the BPMN diagram and include the BPMN for the Migration Weekend stage.

2.1 Migration Weekend Playbook BPMN

The diagram below (also available in full form in the BPMN supplementing PDF file) presents the actors and their respective activities and the sequence by which they should be carried out during the Migration Weekend stage. The reader should take note that the BPMN begins with the sending of the last TARGET2 General Ledger (GL for CB use) file and account statements and finishes in the top row once the Migration Weekend Checkpoint 8 (MWCP8) is reached. The methodology for the naming convention and ID naming is described in the DMD.

The methodology employed for the description and depiction of pre-migration and migration weekend activities are described in the Annex 5.1 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.

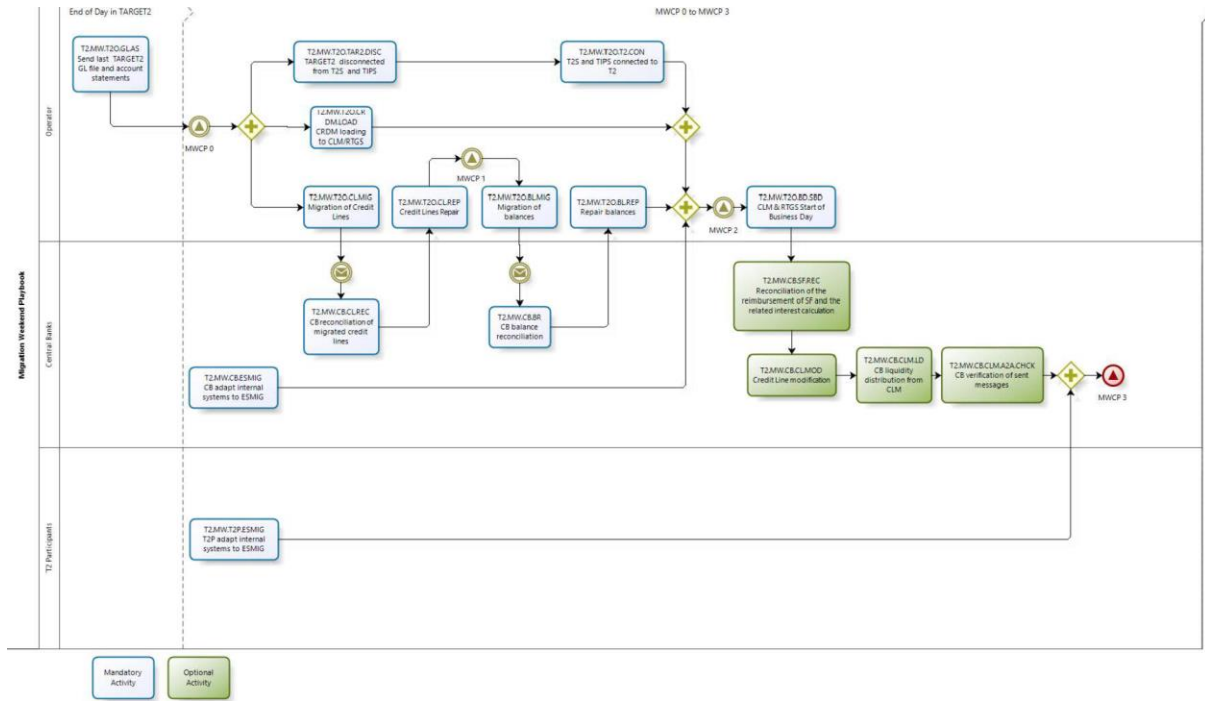


Figure 1 - Migration Weekend Playbook BPMN part 1

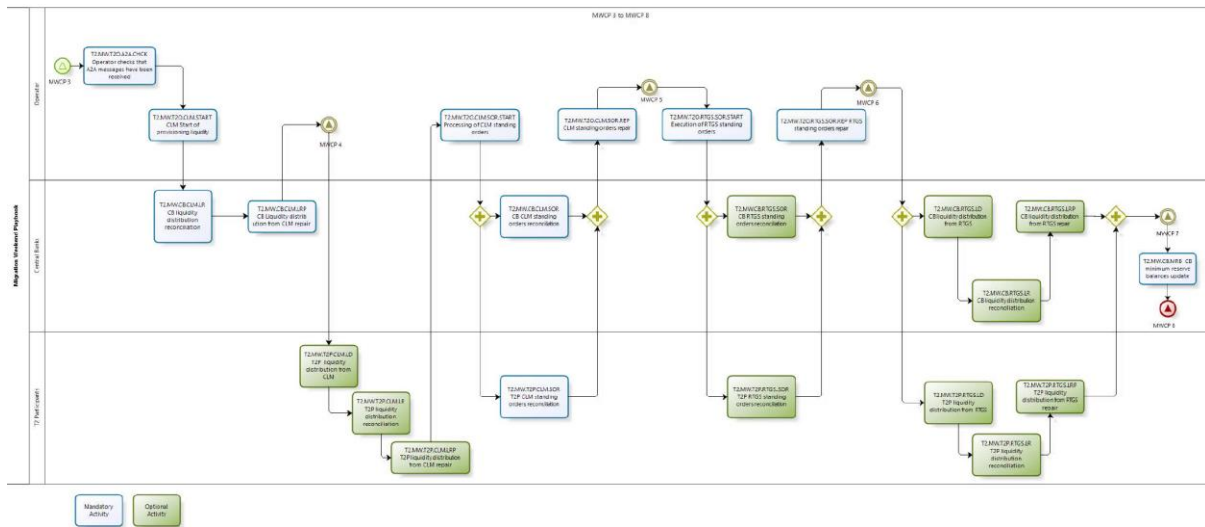


Figure 2 - Migration Weekend Playbook BPMN part 2

3 Migration Weekend Activities and Checkpoints

This chapter provides the detailed activity tables and checkpoints of the Migration weekend activities and complements the BPMN with more detail. The T2 Operator specific activities are included in the BPMN and as activity tables in this document on a high level with the purpose of highlighting

dependencies and to ensure internal checkpoints between ECB and the T2 Operator. The T2 Operator activities included are not exhaustive but are limited to those on the critical path of the migration to T2. The exception is the sending of the last TARGET2 GL file (for CB use) and account statements which is included to indicate the dependency and final activities in TARGET2 before the start of migration can begin.

ID	T2.MW.T2O.GL.AS
Activity Name	Send last TARGET2 GL files and account statements (for CB use)
Activity Group	TARGET2 process (External dependency)
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	The sending of the last TARGET2 General Ledger files and the sending of MT940/950 account statements mark the final activity in TARGET2. CBs will confirm they have received these at MWCP0 after which the ECB will give the green light to begin the migration activities.

ID	T2.MW.T2O.CRDM.LOAD
Activity Name	CRDM loading to CLM/RTGS
Activity Group	T2 process
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	The propagation of common reference data from the CRDM to the local reference data management of the T2 Service is prerequisite for the migration of balances, as the migration of balances requires the party and cash account reference data in CLM as well as the propagation of the new business day for the T2 Service.

ID	T2.MW.T2O.TAR2.DISC
Activity Name	TARGET2 disconnected from T2S and TIPS
Activity Group	TARGET2 process (External dependency)
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A

Description	When the TARGET2 GL files and accounts statements have been sent, the T2 operator will initiate the process of disconnecting TARGET2 with T2S and TIPS. The disconnecting of TARGET2 and connecting of T2 occurs in parallel with activities between MWCP0 and MWCP2.
--------------------	---

ID	T2.MW.T2O.T2.CON
Activity Name	T2S and TIPS connected to T2
Activity Group	T2 operator activity
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	
Description	The T2 operator will connect T2 with TIPS and T2S after the disconnecting of TARGET2 to these services is completed. The disconnecting of TARGET2 and connecting of T2 occurs in parallel with activities between MWCP0 and MWCP2.

ID	T2.MW.CB.ESMIG
Activity Name	CBs adapt internal systems to ESMIG
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A
Description	<p>The Central Bank users will initiate the adaptation of internal systems which will connect with CLM and RTGS through ESMIG in A2A.</p> <p>A non-exhaustive list of these affected systems: Collateral and operations management systems Treasury management applications Accounting systems XML mediator applications SWIFT connectors</p> <p>The required adaptations of the internal systems may include changes to static data, activation of mapping tables (e.g. internal system accounts vs. CLM /RTGS accounts) or system parameters, introduction of new message formats and message routing configuration</p>

	Pre-requisites for this activity are the sending of the GL files and the MT940/950 account statements in TARGET2.
--	---

ID	T2.MW.T2P.ESMIG
Activity Name	T2Ps adapt internal systems to ESMIG
Activity Group	T2 participant activity
Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	N/A
Description	<p>The T2 participant users will initiate the internal configurations of systems which are required for their communication with CLM and RTGS through ESMIG in A2A.</p> <p>A non-exhaustive list of these systems includes: Collateral and operations management systems Treasury management applications Accounting systems XML mediator applications SWIFT connectors</p>

ID	T2.MW.T2O.CL.MIG
Activity Name	Migration of Credit Lines
Activity Group	T2 operator activity
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	<p>The T2 operator will initiate the automated migration of TARGET2 credit lines.</p> <p>The migration of all credit lines will take place before the migration of cash account balances to ensure that the migration of negative cash account balances is possible when they are covered by credit lines.</p>

ID	T2.MW.CB.CL.REC
Activity Name	CB reconciliation of migrated credit lines
Activity Group	Central Bank activity
Actor	CB user

Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	In this activity Central Bank users will reconcile the migrated fixed credit lines of its participants by verifying the transferred amounts correspond to the credit line setup in TARGET2 at end-of-day. In case discrepancies are found, the Central Bank shall report the issue to the 4CB migration team in order to identify the root cause and to remedy the error. Also the T2 Migration Coordinator should be notified. Once the T2.MW.T2O.CL.REP is completed, the Central Bank re-reconciles the migrated credit lines.

ID	T2.MW.T2O.CL.REP
Activity Name	Credit lines repair
Activity Group	T2 operator activity
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	If there is a mismatch in the checksums, the T2 operator has a foreseen repair activity in which they will check the processing logs for errors in order to identify and correct the discrepancy. After remedying the error, the T2 operator reruns the checksum validation from this process step.

ID	T2.MW.T2O.BL.MIG
Activity Name	Migration of balances
Activity Group	T2 operator activity
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	The T2 operator will initiate the automated migration of TARGET2 balances in accordance to rules described in the Migration of Balances Tool v1.0 document. The migration process for account balances includes all type of cash accounts, such as ECB mirror

	<p>accounts, ancillary system technical accounts, transit accounts, etc.</p> <p>The automated migration of account balances requires mapping from the old cash account(s) to the new cash account(s). This mapping is prepared during Pre-Migration and the configuration of CBs National Mapping Tables (NMT) and detailed in section 5 of the Migration of Balances Tool v1.0</p>
--	---

ID	T2.MW.CB.BR
Activity Name	CB balance reconciliation
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	<p>Central Banks reconcile the migrated balances of their respective MCAs and of their participants:</p> <ul style="list-style-type: none"> - Balances have been transferred to the MCAs in accordance with the National Mapping Table (includes possible marginal lending/overnight deposit established on value date Friday) <p>Balances correspond to the end-of-day balances in TARGET2. Each central bank will be provided with a password protected Excel/CSV file containing the migrated balances via email in order to facilitate their reconciliation.</p> <p>In case incorrect balance(s) are identified, the Central Bank shall report the issue to the 4CB migration team in order to identify the root cause and to remedy the error. T2 Migration Coordinator should be notified. Once the T2.MW.T2O.BL.REP is completed, the Central Bank re-reconciles the migrated balances.</p> <p>The Migration managers will give confirmation that this activity is successfully completed in MWCP2.</p>

ID	T2.MW.T2O.BL.REP
Activity Name	Repair balances
Activity Group	T2 operator activity
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	If there is a mismatch in the checksums, the T2 operator has a foreseen repair activity in which they will check the processing logs for errors in order to identify and correct the discrepancy. After remedying the error, the T2 operator reruns the checksum validation from this process step.

ID	T2.MW.T2O.BD.SBD
Activity Name	CLM and RTGS Start of Business Day
Activity Group	T2 process
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	The initialisation of the local reference data of the T2 Service sets the business day of the T2 Service to the go-live date, i.e. the next business day after the final TARGET2 business day. There is no change of business day, as there is no previous business in the T2 Service.

ID	T2.MW.CB.SF.REC
Activity Name	Reconciliation of the reimbursement of SF and the related interest calculation (optional)
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	N/A

Description	The Central Bank user will verify that the marginal lending and/or the overnight deposit was correctly reimbursed. Additionally, central bank user will verify that the related interest payment has been correctly processed and that balances have been updated accordingly.
--------------------	--

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

ID	T2.MW.CB.CLM.LD
Activity Name	CB liquidity distribution from CLM (optional)
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	<p>Central Bank users may initiate immediate liquidity transfers to</p> <ul style="list-style-type: none"> a) its RTGS accounts and accounts in other TARGET Services and b) participants with migrated balances from proprietary home accounts to the CB account. <p>The instruction will only be instructed (not executed), as the execution does not take place until the CLM start of provisioning liquidity process is completed.</p>

ID	T2.MW.CB.CLM.A2A.CHCK
Activity Name	CB verification of sent messages (optional)
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A
Description	CBs connected with A2A access verify that the liquidity transfer messages have been sent. This activity is optional, i.e. only required if the CB has initiated immediate liquidity transfers.

ID	T2.MW.T2O.A2A.CHCK
Activity Name	Operator checks that A2A messages have been received
Activity Group	T2 operator activity
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	The T2 operator will ensure and confirm to the T2 Migration Coordinators that liquidity transfers messages have been registered into the system.

ID	T2.MW.T2O.CLM.START
Activity Name	CLM Start of provisioning liquidity
Activity Group	T2 process
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	A2A
Description	The T2 operator will initiate the process CLM Start of provisioning liquidity event in T2.

ID	T2.MW.CB.CLM.LR
Activity Name	CB liquidity distribution reconciliation (optional)

Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	CB user will verify that the liquidity transfers have settled in T2 .For CBs using TARGET2 SF module, the re-imburement of marginal lending/refunding of overnight deposit established on value date Friday takes place and will be reconciled by the CB.

ID T2.MW.CB.CLM.LRP	
Activity Name	CB liquidity distribution from CLM repair
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	<p>If a CB user identifies an incorrect balance in the reconciliation activity, the Central Bank must verify that the instruction was correctly executed. If the reconciliation activity fails due to a business error such as wrong user input in the liquidity instruction, the CB user must submit a new instruction.</p> <p>If reconciliation fails due to a technical error that cannot be resolved by the CB, the CB must contact TARGET Service Desk to identify the root cause and correct the error.</p> <p>The repair cycle can begin on the initiative of the CB.</p>

ID T2.MW.T2P.CLM.LD	
Activity Name	T2P liquidity distribution from CLM (optional)
Activity Group	T2 participant activity
Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	T2 participant users may initiate immediate liquidity transfers to their RTGS DCA accounts and accounts in other TARGET Services.

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

ID	T2.MW.T2P.CLM.LRP
Activity Name	T2P liquidity distribution from CLM repair (optional)
Activity Group	T2 participant activity
Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	<p>If a T2 participant user identifies an incorrect balance in the reconciliation activity, the user must verify that the instruction was correctly registered. If the reconciliation activity fails due to a business error such as wrong user input in the liquidity instruction, the T2 participant user must submit a new instruction.</p> <p>If reconciliation fails due to a technical error that cannot be resolved by the T2 participant, the user must contact its National Service Desk to identify the root cause and correct the error.</p>

	The repair cycle can begin on the initiative of the T2 participant user.
--	--

ID	T2.MW.T2O.CLM.SOR.START
Activity Name	Processing of CLM standing orders
Activity Group	T2 process
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	The T2 operator will initiate the processing the CLM Standing Orders.

ID	T2.MW.CB.CLM.SOR
Activity Name	CB CLM standing orders reconciliation
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	Central bank users will reconcile the balances after the standing orders (captured during Pre-Migration) have been executed.

ID	T2.MW.T2P.CLM.SOR
Activity Name	T2P CLM standing orders reconciliation (optional)
Activity Group	T2 participant activity
Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	The T2 participant users will verify that the standing orders (captured during Pre-Migration) have been successfully executed and the CLM balances are correctly updated. This activity is optional, i.e. only required if T2 participant has standing orders.

ID	T2.MW.T2O.CLM.SOR.REP
Activity Name	CLM standing orders repair
Activity Group	T2 operator activity
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	

ID	T2.MW.T2O.RTGS.SOR.START
Activity Name	Execution of RTGS standing orders
Activity Group	T2 process
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	

ID	T2.MW.CB.RTGS.SOR
Activity Name	CB RTGS standing orders reconciliation (optional)
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	<p>CB users will verify that the standing orders have been successfully executed.</p> <p>This activity is optional, i.e. only required if the CB has standing orders.</p>

ID	T2.MW.T2P.RTGS.SOR
-----------	---------------------------

Activity Name	T2P RTGS standing orders reconciliation (optional)
Activity Group	T2 participant activity
Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	T2 participant users will verify that the standing orders have been successfully executed. This activity is optional, i.e. only required if the participant has standing orders.

ID	T2.MW.T2O.RTGS.SOR.REP
Activity Name	RTGS standing orders repair
Activity Group	T2 operator activity
Actor	T2 operator
Data configuration (A2A, U2A, DMT)	N/A
Description	

ID	T2.MW.CB.RTGS.LD
Activity Name	CB liquidity distribution from RTGS (optional)
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	The purpose of this optional activity is to offer the CBs an additional window to distribute liquidity from RTGS, if required, to any other TARGET Services account.

ID	T2.MW.CB.RTGS.LR
Activity Name	CB liquidity distribution reconciliation (optional)
Activity Group	Central Bank activity

Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	Optional: only required if the CB has distributed liquidity from RTGS

ID	T2.MW.CB.RTGS.LRP
Activity Name	CB liquidity distribution from RTGS repair (optional)
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	This activity is optional, i.e. only required if CB has distributed liquidity from RTGS which needs repair.

ID	T2.MW.T2P.RTGS.LD
Activity Name	T2P liquidity distribution from RTGS (optional)
Activity Group	T2 participant activity
Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	The purpose of this optional activity is to offer the T2 participants an additional window to distribute liquidity from RTGS, if required, to any other TARGET Services account.

ID	T2.MW.T2P.RTGS.LR
Activity Name	T2P liquidity distribution reconciliation (optional)
Activity Group	T2 participant activity

Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	This activity is optional, i.e. only required if participant has distributed liquidity from RTGS which needs repair

ID	T2.MW.T2P.RTGS.LRP
Activity Name	T2P liquidity distribution from RTGS repair (optional)
Activity Group	T2 participant activity
Actor	T2 participant user
Data configuration (A2A, U2A, DMT)	A2A, U2A
Description	<p>If a T2 participant user identifies an incorrect balance in the reconciliation activity, the user must verify that the instruction was correctly registered. If the reconciliation activity fails due to a business error such as wrong user input in the liquidity instruction, the T2 participant user must submit a new instruction.</p> <p>If reconciliation fails due to a technical error that cannot be resolved by the T2 participant, the user must contact TARGET Service Desk to identify the root cause and correct the error.</p> <p>The repair cycle can begin on the initiative of the T2 participant user.</p> <p>This activity is optional, i.e. only required if participant has distributed liquidity from RTGS which needs repair</p>

ID	T2.MW.CB.MRB
Activity Name	CBs minimum reserve balances update
Activity Group	Central Bank activity
Actor	CB user
Data configuration (A2A, U2A, DMT)	A2A (or manually by TSD)
Description	<p>This activity allows Central Bank who do not use the reserve management module to update the minimum reserve balances. Two approaches are available (description in the Migration of Balances Tool v1.0).</p>

If an NCB does not use the reserve management module, then the NCB can provide a comma-separated values (CSV) file with the T2 account number, date of balance and balance. The 4CB migration team will then load these balances into the reserve management function of CLM. The NCB can also insert such balances for the current reserve management period using the camt.998 message.

If an NCB uses the reserve management module (RMM), but has not inserted into RMM all externally maintained balances required for the calculation of the minimum reserve fulfilment, the NCB can insert these also via the csv mentioned above or via the camt.998 so to insert backdated balances for the current reserve management period.

3.1 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.
MWCP8	Migration managers confirm the optional execution of minimum reserve balances update.

4 Migration Weekend Playbook

This chapter describes the use of the MS project file and include the detailed calendar with its scheduled durations for the activities in migration weekend stage.

4.1 Migration Weekend Playbook calendar

The Migration Weekend Playbook calendar is an MS project file which details the start and duration of the required activities for the T2 operator, Central Banks and their participants. It includes for each task the following elements:

Activity ID code, its calendar ID, responsible actor, the activity title, duration in minutes, start and finish (date and hour), predecessor (calendar ID), successor (calendar ID), input mode, type and optional indicator. Highlighted tasks are Migration Weekend Checkpoints (MWCP0-8)

	Activity Code	ID	T2 Actor short	Activity name	Duration	Start	Finish	Predecessors	Successors	Input mode	Type	Optional
1		1		Migration Weekend	1475 min	Fri 18-11-22 18:00	Sat 19-11-22 18:55					Fixed Duration
2	T2.MW.T2O.GLAS	2	T2 OP	Send last TARGET2 GL file and account statements	15 mins	Fri 18-11-22 18:45	Fri 18-11-22 19:00		5,4,3,14			Fixed Duration
3	T2.MW.T2O.CRDM.LOAD	3	T2 OP	CRDM loading to CLM/RTGS	30 mins	Fri 18-11-22 19:00	Fri 18-11-22 19:30	2				Fixed Duration
4		4	ALL	MWCP0 - Start of Migration Weekend	10 mins	Fri 18-11-22 19:00	Fri 18-11-22 19:10	2	8,20			Fixed Duration
5	T2.MW.T2O.TAR2.DISC	5	T2 OP	TARGET2 disconnected from T2S and TIPS	240 mins	Fri 18-11-22 19:00	Fri 18-11-22 23:00	2	6			Fixed Duration
6	T2.MW.T2O.T2.CON	6	T2 OP	T2 connected to T2S and TIPS	240 mins	Fri 18-11-22 23:00	Sat 19-11-22 03:00	5				Fixed Duration
7		7	ALL	MWCP1	10 mins	Fri 18-11-22 18:00	Fri 18-11-22 18:10					Fixed Duration
8	T2.MW.T2O.CL.MIG	8	T2 OP	Migration of Credit Lines	15 mins	Fri 18-11-22 19:10	Fri 18-11-22 19:25	4	9			Fixed Duration
9	T2.MW.CB.CL.REC	9	ALL CBs	CB reconciliation of migrated credit lines	60 mins	Fri 18-11-22 19:25	Fri 18-11-22 20:25	8	10			Fixed Duration
10	T2.MW.T2O.CL.REP	10	T2 OP	Credit lines repair	20 mins	Fri 18-11-22 20:25	Fri 18-11-22 20:45	9	11			Fixed Duration
11	T2.MW.T2O.BL.MIG	11	T2 OP	Migration of balances	60 mins	Fri 18-11-22 20:45	Fri 18-11-22 21:45	10	12			Fixed Duration
12	T2.MW.CB.BR	12	ALL CBs	CB balance reconciliation	120 mins	Fri 18-11-22 21:45	Fri 18-11-22 23:45	11	13			Fixed Duration
13	T2.MW.T2P.BL.REP	13	T2 OP	Repair balances	60 mins	Fri 18-11-22 23:45	Sat 19-11-22 00:45	12	15			Fixed Duration
14	T2.MW.CB.ESMIG	14	ALL CBs	CB connect internal systems to ESMIG	240 mins	Fri 18-11-22 19:00	Fri 18-11-22 23:00	2				Fixed Duration
15		15	ALL	MWCP2	10 mins	Sat 19-11-22 00:45	Sat 19-11-22 00:55	13	16			Fixed Duration
16	T2.MW.T2O.BD.CHG	16	T2 OP	CLM & RTGS Change of Business Day	15 mins	Sat 19-11-22 00:55	Sat 19-11-22 01:10	15	17			Fixed Duration
17	T2.MW.CB.CL.MOD	17	ALL CBs	Credit Line modification	15 mins	Sat 19-11-22 01:10	Sat 19-11-22 01:25	16	18			Fixed Duration Yes
18	T2.MW.CB.CLM.LD	18	ALL CBs	CB liquidity distribution from CLM	180 mins	Sat 19-11-22 01:25	Sat 19-11-22 04:25	17	19			Fixed Duration Yes
19	T2.MW.CB.CL.M.A2A.CHCK	19	ALL CBs	CB verification of sent messages	15 mins	Sat 19-11-22 04:25	Sat 19-11-22 04:40	18	21			Fixed Duration Yes
20	T2.MW.T2P.ESMIG	20	ALL T2Ps	T2P connect internal systems to ESMIG	240 mins	Fri 18-11-22 19:10	Fri 18-11-22 23:10	4	21			Fixed Duration
21		21	ALL	MWCP3	10 mins	Sat 19-11-22 04:40	Sat 19-11-22 04:50	20,19	22			Fixed Duration
22	T2.MW.T2O.A2A.CHCK	22	T2 OP	Operator check that A2A messages have been recd	10 mins	Sat 19-11-22 04:50	Sat 19-11-22 05:00	21	23			Fixed Duration
23	T2.MW.T2O.CL.M.START	23	T2 OP	CLM Start of provisioning liquidity	15 mins	Sat 19-11-22 05:00	Sat 19-11-22 05:15	22	24			Fixed Duration
24	T2.MW.CB.CL.M.LR	24	ALL CBs	CB liquidity distribution reconciliation	0 mins	Sat 19-11-22 05:15	Sat 19-11-22 05:15	23	25			Fixed Duration
25	T2.MW.CB.CL.M.RP	25	ALL CBs	CB Liquidity distribution from CLM repair	60 mins	Sat 19-11-22 05:15	Sat 19-11-22 06:15	24	26			Fixed Duration
26		26	ALL	MWCP4	10 mins	Sat 19-11-22 06:15	Sat 19-11-22 06:25	25	27			Fixed Duration
27	T2.MW.T2P.CL.M.LD	27	ALL T2Ps	T2P liquidity distribution from CLM	60 mins	Sat 19-11-22 06:25	Sat 19-11-22 07:25	26	28			Fixed Duration
28	T2.MW.T2P.CL.M.LR	28	ALL T2Ps	T2P liquidity distribution reconciliation	60 mins	Sat 19-11-22 07:25	Sat 19-11-22 08:25	27	29			Fixed Duration
29	T2.MW.T2P.CL.M.LRP	29	ALL T2Ps	T2P liquidity distribution from CLM repair	0 mins	Sat 19-11-22 08:25	Sat 19-11-22 08:25	28	30			Fixed Duration

Figure 3 - Migration Weekend Playbook (extract)

4.2 Calendar composition

The calendar follows the process flow of the Migration Weekend Playbook BPMN. For the majority of MWP activities, tasks only have one predecessor, which is the previous directly linked task as depicted in the BPMN. There may be more than one predecessor due to a join gateway (two process flows from two activities are combined into one) in the BPMN. The same principle applies for Successors.

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. T2 operator disconnecting T2S from TARGET2 will take place in parallel with other activities such as CRDM loading to CLM/RTGS, Central Banks adaptations of internal systems to ESMIG etc.). 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, 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 Migration Weekend (Dress) Rehearsals by Central Banks and their participants during Central Bank Testing (CBT) and User Testing (UT).

5 Annexes











5.1 Activity Description Methodology – BPMN Notation

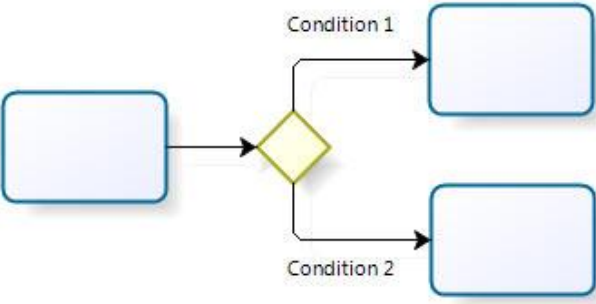
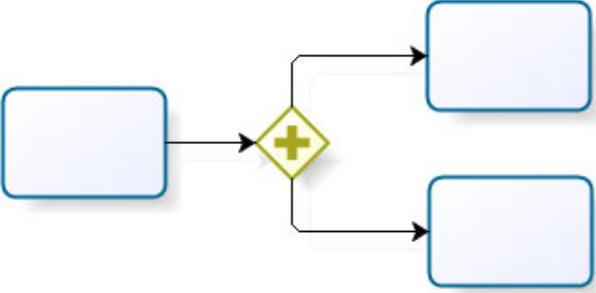
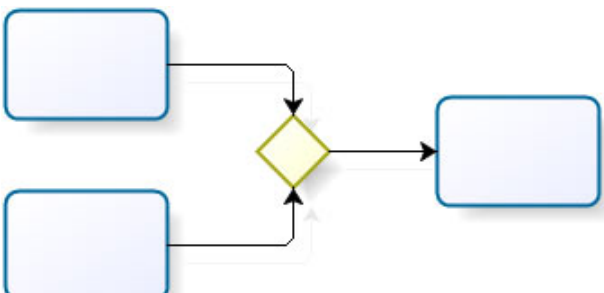
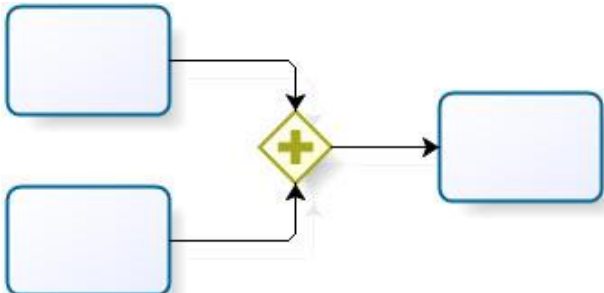

This appendix details the methodology employed for the description and depiction of pre-migration and migration weekend activities. In particular the BPMN elements used for the graphical representation are explained. This methodology is used throughout the Detailed Migration Storyline document and in 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="427 846 619 878">Pool with lanes:</p> <div data-bbox="226 891 820 1155"> </div> <p data-bbox="395 1173 651 1205">Pool with milestones:</p> <div data-bbox="226 1218 820 1469"> </div>	<p data-bbox="858 309 925 340">Pool</p> <p data-bbox="858 353 1382 564">A pool groups activities into a process which is executed by one or several institutions. This could be T2S actors such as CSDs as well as Central Banks and Payment Banks (with a direct connection to T2S).</p> <p data-bbox="858 622 1382 743">Pool with lanes: A pool can be split into lanes, e.g. to distinguish activities performed by CSDs and Central Banks.</p> <p data-bbox="858 801 1382 922">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 data-bbox="858 1500 957 1532">Activity</p> <p data-bbox="858 1545 1382 1621">An activity is the generic term for work being performed as part of the business process.</p> <p data-bbox="858 1680 1244 1711">There are two types of activities:</p> <p data-bbox="858 1724 1382 1845">Task: An activity can depict a task i.e. an atomic unit of a process which cannot be divided any further</p> <p data-bbox="858 1859 1382 1980">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 T2S 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>Sequence Flow</p> <p>A sequence flow indicates the order in which activities are performed.</p>

Graphical Elements	Description
<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>
	<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>

