

# **T2 BDF Mandatory Test Cases**

**applicable to T2 Participants**

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## Version Control

Version	Date	Author	Distribution	Comments
<b>0.1</b>	12-09-2020	ECB	MTRSG	Base version established from the EAT experiences
<b>0.3</b>	21.05.2021	ECB	MTRSG	Version includes separate documents for CBT and UT and additional updates from the MTRSG-DG for testing.
<b>0.4</b>	04.06.2021	ECB	TSWG	V0.4 includes additional updates following the final MTRSG review.
<b>0.5</b>	22.06.2021	ECB	MIB	V0.5 includes any additional updates from the TSWG review of v0.4. Final version v1.0 to be published on the ECB website. Additional versions may be issued to factor in lessons learned from test phases preceding UT.
<b>1.1</b>	22.03.2022	ECB	MTRSG	Updated version with updates to T2_TC_AS_ID1, ID2, ID3, ID4 and ID5. Details were added on the evidence from SB.T2_TC_AH_ID1 updated to not applicable to U2A only party.
<b>1.2</b>	07.06.2022	ECB	MTRSG	Changes of status (MAND/COND) for some test cases. Version includes updates to evidence provided in T2_TC_AS_ID1, ID2, ID3, ID4 and ID5 (excluding SB documentation)
<b>1.3</b>	09/09/2022	ECB/BDF	BDF	Version includes updates to evidence provided in T2_TC_AS_ID1, ID2, ID3, ID4 and ID5 (excluding Settlement Banks documentation) and further information on test evidence provided by co-managers

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# 1 Introduction

This document contains the test approach regarding the T2 Mandatory testing and a detailed description of test cases for the T2 participants.

## 1.1 Approach

The set of test cases in this document are mandatory for directly connected T2 Participants<sup>1</sup>. T2 Participants constitutes Payment Banks and Ancillary Systems.

T2 Participants should progress logically through the tests, commencing with the CRDM related activities, then progressing to the CLM and RTGS related activities. All the evidence must be gathered and attached in the certification testing template. The recommendation is that CRDM and reference data related tests are carried out during the Pre-Migration testing if possible.

Please note that these tests are not an exhaustive set of test cases for T2 Participants. If relevant, the

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<sup>1</sup> Only the co-manager is responsible for executing mandatory test cases. Co-managed participants are exempt from the mandatory test cases and fall under the umbrella of the co-manager. This also means that if the co-manager does not supply evidence of the completed test cases, both co-manager and co-managed participant will be reported as not having completed the test cases. The co-manager only has to provide one set of mandatory test cases from one party (this can be its own party). However, if a test case applies to the co-managed participant and not the co-managers party itself, the co-manager must provide evidence of the mandatory test case that would be applicable to the co-managed participant (e.g. the co-manager does not use a specific message for its own party but it is used for the co-managed party. In this case the co-manager must provide evidence for completion of such test case).

National Central bank may provide to the participants a set of additional authorization test cases to be carried out. The tests must be carried out in the T2 Pre-production Test environment (known informally as UTEST). The test cases have been selected in order to evaluate the participants' capability to perform the basic functions of the system. It is the responsibility of each T2 participant to ensure that all functionalities related to their business will be tested. The tests can be performed in two-eyes mode, but evidence provided including four-eyes mode screenshots will be accepted. In some cases, cooperation is required between participants to prove a test case e.g. between Ancillary system and Payment bank.

The T2 User Testing Terms of Reference indicates the period from 1 December 2021 to 1 November 2022 as dedicated to mandatory testing. During the User Testing period the participants will be asked to report on their progress at monthly intervals. The mandatory tests must be completed and verified before the end of T2 User Testing in order for the participant to progress to T2 production.

The Participants will submit the evidence (screenshots and files) to their National Service Desk, which will confirm the success of the testing after the successful evaluation of the provided evidence.

## 1.2 Co-managers and co-managees

The MTRSG has agreed that co-managers will be responsible for the performance of mandatory test cases on behalf of their co-managees.

If the co-manager co-manages one or more co-managees (both co-manager and all co-managees, under the responsibility of the same central bank) then the submission of test case evidence to the co-manager NCB related to just one of these co-managees will be sufficient. In any case, the co-managee will report to its NCB (if requested) about its readiness in the context of the testing phase (User testing status, completion percentage of mandatory test cases, expected completion date, etc.)

If a co-managee is co-managed by a co-manager in a foreign country then this co-managee must request the evidence from his co-manager and submit it to his own NCB (if requested by its NCB). It is the responsibility of the co-manager for a co-managee in a foreign country to carry out any locally mandated tests (e.g. authorisation tests) by the NCB of the co-managee.

The NCB of a co-manager may also share the evidence submitted in Darwin to allow other NCBs to access it should they wish.

## 1.3 Test case template methodology

The table below describes the elements included in the test case template.

Test Case ID	T2_TC_(RTGS/CLM), AH/AS followed by an ID number for identification purposes.
Test case name	Descriptive name of the test case
Relevant for (actor)	(CLM/RTGS) Account Holder / Ancillary System (AS)
Domain	Indicates the TARGET Services domain e.g CRDM / CLM / RTGS in which the test case is carried out.
Sub Domain	Possible values include: CRDM_GUI

	Liquidity transfer order (LTO), Query (QUER), Minimum Reserve (MR) Maintain Credit Line (MCL) Standing Facilities (SF) Credit Transfer Order (CTO) Ancillary System Procedures x (ASP A/B/C/D/E)
Input mode	U2A or A2A (the user choses one of the two input modes corresponding to the input mode that will be used in Production. U2A (the test case can only be carried out in U2A) A2A (the test case can only be carried out in A2A)
Mandatory	Yes or Conditional (COND - any exempt or specific conditions to be considered)
Detailed Description	Short description followed by the required step to perform the test cases first in U2A then in A2A (where applicable)
Preconditions/Details	Preconditions required to carry out the test case
Expected results	The expected and required outcome of the test case in U2A and A2A (if applicable)
Test evidence	Description of the required test evidence for the U2A and A2A (if applicable) execution.
Relevant Documentation	References to the User Detailed Functional Specifications (UDFS), User Handbook (UHB) and/or the Pre-Migration Schedule (PMS).
Related privileges	Required privileges to carry out the test case.

## 2 Test cases

### 2.1 Test case overview

#### CLM and RTGS Account Holders

Test ID	Domain	Input Mode	Test Case name	Mandatory
T2_TC_AH_ID1	CRDM	U2A	Create Message Subscription Rule Set Create Message Subscription Rule	COND
T2_TC_AH_ID2	CRDM	U2A	Create Certificate DN	Yes
T2_TC_AH_ID3	CRDM	U2A	Create User Certificate DN Link	Yes

Test ID	Domain	Input Mode	Test Case name	Mandatory
T2_TC_CLM_AH_ID1	CLM	U2A or A2A	CLM liquidity transfer order to RTGS DCA	COND

T2_TC_CLM_AH_ID2	CLM	U2A or A2A	CLM liquidity transfer order between two MCAs	COND
T2_TC_CLM_AH_ID3	CLM	U2A or A2A	Available liquidity CLM query	Yes
T2_TC_CLM_AH_ID4	CLM	A2A	Recourse to a deposit facility	COND
T2_TC_CLM_AH_ID5	CLM	U2A or A2A	Verify Credit line increase	COND
T2_TC_CLM_AH_ID6	CLM	UtoA or A2A	Settlement of a Credit Transfer Order/Pacs009 initiated by NCB	COND
T2_TC_CLM_AH_ID7	CLM	UtoA or A2A	Settlement of Direct Debit Order/Pacs010 initiated by NCB	COND
T2_TC_CLM_AH_ID8	CLM	UtoA or A2A	Settlement of a Credit Transfer Order/Pacs009 CONPAY initiated by NCB	COND
T2_TC_CLM_AH_ID9	CLM	UtoA or A2A	Settlement of Direct Debit Order/Pacs010 CONPAY initiated by NCB	COND
T2_TC_CLM_AH_ID10	CLM	U2A or A2A	Statement of account	MAND
T2_TC_CLM_AH_ID11	CLM	U2A	Recourse to a marginal lending on request	COND

#### Co-Managees

Test ID	Domain	Input Mode	Test Case name	Mandatory
T2_TC_COMANAGEE_ID01	CLM	U2A or A2A	CLM liquidity transfer order to RTGS DCA	COND
T2_TC_COMANAGEE_ID02	CLM	U2A or A2A	CLM liquidity transfer order between two MCAs	COND
T2_TC_COMANAGEE_ID03	CLM	U2A or A2A	Available liquidity CLM query	Yes
T2_TC_COMANAGEE_ID04	CLM	A2A	Recourse to a deposit facility.	COND
T2_TC_COMANAGEE_ID05	CLM	U2A or A2A	Verify Credit line increase	COND
T2_TC_COMANAGEE_ID06	CLM	U2A or A2A	Settlement of a Credit Transfer Order/Pacs009 initiated by NCB	COND
T2_TC_COMANAGEE_ID07	CLM	U2A or A2A	Settlement of Direct Debit Order/Pacs010 initiated by NCB	COND
T2_TC_COMANAGEE_ID08	CLM	U2A or A2A	Settlement of a Credit Transfer Order/Pacs009 CONPAY initiated by NCB	COND
T2_TC_COMANAGEE_ID09	CLM	U2A or A2A	Settlement of Direct Debit Order/Pacs010 CONPAY initiated by NCB	COND
T2_TC_COMANAGEE_ID10	CLM	U2A or A2A	Statement of account	MAND
T2_TC_COMANAGEE_ID11	CLM	U2A	Recourse to a marginal lending on request	COND

#### RTGS Account Holders

Test ID	Domain	Input Mode	Test Case name	Mandatory
T2_TC_RTGS_AH_ID1	RTGS	U2A or A2A	Send Liquidity Credit Transfer camt.050	Yes
T2_TC_RTGS_AH_ID2	RTGS	U2A or A2A	Receive Liquidity Credit Transfer camt.054	COND
T2_TC_RTGS_AH_ID3	RTGS	A2A	Receive Resolution of Investigation camt.029	COND
T2_TC_RTGS_AH_ID4	RTGS	U2A or A2A	Send Financial Institution Credit Transfer pacs.009	Yes

T2_TC_RTGS_AH_ID5	RTGS	U2A or A2A	Receive Financial Institution Credit Transfer pacs.009	Yes
T2_TC_RTGS_AH_ID6	RTGS	U2A or A2A	Send Customer Credit Transfer pacs.008	Yes
T2_TC_RTGS_AH_ID7	RTGS	U2A or A2A	Receive Customer Credit Transfer pacs.008	Yes
T2_TC_RTGS_AH_ID8	RTGS	A2A	Financial Institution Direct Debit pacs.010	COND
T2_TC_RTGS_AH_ID9	RTGS	U2A or A2A	Request payment order revocation	Yes
T2_TC_RTGS_AH_ID10	RTGS	U2A or A2A	Send Payment Return pacs.004.	COND
T2_TC_RTGS_AH_ID11	RTGS	U2A or A2A	Receive Payment Return pacs.004.	YES
T2_TC_RTGS_AH_ID11	RTGS	A2A	Receive Financial Institution Direct Debit pacs.010	COND
T2_TC_RTGS_AH_ID11	RTGS	U2A or A2A	Statement of account	Yes
T2_TC_RTGS_AH_ID11	RTGS	U2A or A2A	Recourse to a deposit facility	COND

#### Ancillary Systems

Test ID	Domain	Input Mode	Test Case name	Mandatory
T2_TC_AS_ID1	RTGS	A2A	AS settlement type procedure A	COND
T2_TC_AS_ID2	RTGS	A2A	AS settlement type procedure B	COND
T2_TC_AS_ID3	RTGS	A2A	AS settlement type procedure C	COND
T2_TC_AS_ID4	RTGS	A2A	AS settlement type procedure D	COND
T2_TC_AS_ID5	RTGS	A2A	AS settlement type procedure E	COND
T2_TC_AS_ID5	RTGS	A2A	Triggering of guarantee funds mechanism	COND

## 2.1 CLM and RTGS Account Holders

### T2\_TC\_AH\_ID1 - Create Message Subscription Rule

Test Case ID	T2_TC_AH_ID1
Test case name	Create Message Subscription Rule Set Create Message Subscription Rule
Relevant for	CLM and RTGS Account Holders
Domain	CRDM
Sub Domain	CRDM_GUI
Input mode	U2A
Mandatory	Conditional Not applicable to U2A only parties
Detailed Description	The test case describes how to set up a rule set and adding a rule to the set. 1. Select Common → Messages and Reports → Message



	<p>Subscription Rule Set → click on New button</p> <ol style="list-style-type: none"> <li>2. Fill out the required form data and click on submit button in order to create a Rule Set.</li> <li>3. When the set is created, the rules can be added to the rule set in order to subscribe the party to some messages (e.g. camt.054 and pacs.002). At least one rule has to be added to the set.</li> </ol>
Preconditions/Details	<p>The user has the required privileges to use the GUI screen.</p> <p>The rule set must be created before rules can be added</p>
Expected results	The rule set is successfully created and at least one rule has been added to the set
Test evidence	CRDM GUI Screenshot
Relevant Documentation	<p>CRDM UDFS:</p> <p>1.2.3. Message subscription</p> <p>CRDM UHB:</p> <p>2.3.4 Message and Reports</p> <p>2.3.4.1 Message Subscription Rule Sets – Search/List Screen</p> <p>2.3.4.2 Message Subscription Rule Set – Details Screen Context of Usage</p> <p>Pre-Migration Schedule:</p> <p>T2.PM.T2P.MSG.RSC</p>
Related privileges	<p>Create Message Subscription Rule Set</p> <p>Update Message Subscription Rule Set</p> <p>Create Message Subscription Rule</p> <p>Update Message Subscription Rule</p>

#### T2\_TC\_AH\_ID2 - Create Certificate DN

Test Case ID	T2_TC_AH_ID2
Test case name	Create Certificate DN
Relevant for	CLM and RTGS Account Holders and Ancillary Systems
Domain	CRDM
Sub Domain	CRDM_GUI
Input mode	U2A
Mandatory	Yes

Detailed Description	<p>This test case describes how to create a new user certificate distinguished name.</p> <ol style="list-style-type: none"> <li>1. Select Common → Access Rights Management → Certificate Distinguished Names → New</li> <li>2. Enter the mandatory information in the certificate distinguished name filed.</li> <li>3. Click on the submit button</li> <li>4. The new certificate distinguished name has been created</li> </ol>
Preconditions/Details	The user has the required privileges to use the GUI screen.
Expected results	The certificate DN is successfully created
Test evidence	Screenshot
Relevant Documentation	<p>UDFS</p> <p>1.3.4 Access rights management</p> <p>UHB</p> <p>3.3.2.2 Create a New Certificate Distinguished Name</p> <p>Pre-Migration Schedule</p> <p>T2.PM.AH.ARC.CU</p>
Related privileges	<p>Create Certificate Distinguish Name</p> <p>User Certificate DN Link Query</p>

#### T2\_TC\_AH\_ID3 - Create User Certificate DN Link

Test Case ID	T2_TC_AH_ID3
Test case name	Create User Certificate DN Link
Relevant for	CLM and RTGS Account Holders
Domain	CRDM
Sub Domain	CRDM_GUI
Input mode	U2A
Mandatory	Yes
Detailed Description	<p>This test case describes how to create a new user certificate DN link.</p> <ol style="list-style-type: none"> <li>1. Select Common → Access Rights Management → User Certificate Distinguished Name Links. In this screen, the user selects the "New" option;</li> <li>2. Enter the mandatory fields and click the "Submit" button.</li> <li>3. A message appears in the top of the screen indicating that the</li> </ol>

	task has been completed successfully.
Preconditions/Details	The user has the required privileges to use the GUI screen. A User and a Certificate Distinguished Name have to be created before the link can be configured.
Expected results	The link is successfully created
Test evidence	Screenshot
Relevant Documentation	UDFS CRDM 1.2.2.1.4 User 1.2.2.3.2 Configuration of access rights at user level UHB CRDM 3.2.2 Configuration of a User 3.2.2.1 Create a New User 3.2.2.3 Create a New Certificate Distinguished Name Link
Related privileges	Create User Certificate Distinguish Name Link User Certificate DN Link Query

## 2.2 CLM Account Holders

### T2\_TC\_CLM\_AH\_ID1 - CLM liquidity transfer order to RTGS DCA

Test Case ID	T2_TC_CLM_AH_ID1
Test case name	CLM liquidity transfer order to RTGS DCA
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	LTO
Input mode	U2A or A2A
Mandatory	Conditional The following are exempt for this test case -institutions having an MCA for cash withdrawal only; -Institutions having an MCA to satisfy minimum reserve only. -institutions leaving the management of their account and liquidity to others (co-management).
Detailed Description	This test case describes the steps required to carry out a CLM liquidity transfer to an <u>other</u> RTGS DCA <u>same party or other party</u> . U2A <ol style="list-style-type: none"> <li>1. Select Liquidity → Liquidity Transfer – New Screen</li> <li>2. An authorised user can enter a liquidity transfer order to transfer</li> </ol>

	<p>liquidity from an MCA to a RTGS DCA through the New Liquidity Transfer Order page in GUI application.</p> <ol style="list-style-type: none"> <li>The user fills in all fields correctly and clicks on 'Submit' button.</li> <li>The user is requested to confirm the data and a success message appears.</li> <li>The liquidity transfer order is created and settled. There is also a 'Reset' button available to cancel the modification.</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>The participant sends a camt.050 (to transfer liquidity from an MCA to a RTGS DCA) which passes technical and business validation.</li> </ol>
Preconditions/Details	<p>The debtor Party needs to be a CLM account holder and needs to be authorised to debit the MCA.</p> <p>The user has access to the New Liquidity Transfer order page (U2A only)</p> <p>Message subscription exists for the credit notification (A2A only)</p> <p>Sufficient liquidity is held (unreserved) to effect settlement</p>
Expected results	<p>Camt. 054 received if configured (applicable for U2A and A2A)</p> <p>U2A</p> <p>The LT is visible in the Query Cash Transfers/ List Cash Transfers/ Details of cash transfers</p> <p>A2A</p> <p>The processing continues with 'Submit to settlement'.</p> <p>The liquidity transfer order is correctly settled and the submitting actor receives a camt.025 with the code value SSTS (SettlementStatus).</p> <p>To notify the settlement, the creditor receives a camt.054.001.08 BankToCustomerDebitCreditNotification with local instrument (LIIE)</p>
Test evidence	<p>U2A:</p> <p>A Liquidity Transfer order with status “settled” can be visible from one of the following screen: Query Cash Transfers/ List Cash Transfers/ Details of cash transfers. Therefore, a screenshot of the liquidity transfer with status “settled” could be requested from “Query Cash Transfers” screen/ “List Cash Transfers” screen or “Details of cash transfers” screen</p> <p>A2A:</p> <p>Copy of the camt.025 (A2A)</p>

Relevant Documentation	<p>UDFS CLM: 5.4.2.3.3 Immediate inter-service liquidity transfer between two dedicated accounts in different settlement services</p> <p>UHB CLM: 5.2.1 CLM Cash Account Liquidity – Query Screen 5.2.5 Liquidity Transfer – New Screen 6.2.1 Display cash account liquidity (one service only)</p>
Related privileges	<p>CLM Create Liquidity Transfer Order CLM Liquidity Transfer Order Detail Query CLM Liquidity Transfer Order List Query CLM Initiate Immediate Liquidity Transfer CLM Query Cash Transfer Detail CLM Query Cash Transfer</p>

#### T2\_TC\_CLM\_AH\_ID2 - CLM liquidity transfer order between two MCAs

Test Case ID	T2_TC_CLM_AH_ID2
Test case name	CLM liquidity transfer order between two MCAs
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	LTO
Input mode	U2A or A2A
Mandatory	Conditional Requires a liquidity transfer group.
Detailed Description	<p>This test case describes the steps required to carry out a liquidity transfer order from one MCA to another MCA <u>belonging to the same party or another party</u>.</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. Select Liquidity → Liquidity Transfer – New Screen</li> <li>2. Enter a liquidity transfer order to another MCA</li> <li>3. Click on 'Submit' button.</li> <li>4. The user is requested to confirm the data and a success message appears.</li> <li>5. The liquidity transfer order is created. There is also a 'Reset' button available to cancel the modification.</li> </ol>

	<p>A2A</p> <p>1. The participant sends a camt.050 (to transfer liquidity from an MCA to a MCA which passes technical and business validation.</p>
Preconditions/Details	<p>The debtor Party needs to be a CLM account holder and needs to be authorised to debit the MCA.</p> <p>Message subscription exists for the camt.054 credit notification (optional)</p> <p>MCAs belong to the same Liquidity Transfer Group</p>
Expected results	<p>U2A:</p> <p>The LT has settled (with cash transfer status “settled” and is visible in the Query Cash Transfers/ List Cash Transfers/ Details of cash transfers. The debited and credited MCA received a Camt.054 (if configured in CRDM).</p> <p>A2A:</p> <p>The liquidity order transfer is not earmarked due to blocking and the processing continues with ‘Submit to settlement’.</p> <p>The liquidity transfer is correctly settled and the sender receives a camt.025 with the code value SSTS (SettlementStatus).</p> <p>To notify the settlement, the creditor receives a camt.054.001.08 BankToCustomerDebitCreditNotification with local instrument (LIIA).</p>
Test evidence	<p>U2A: A Liquidity Transfer order with status “settled” can be visible from one of the following screen: Query Cash Transfers/ List Cash Transfers/ Details of cash transfers. Therefore, a screenshot of the liquidity transfer with status “settled” could be requested from “Query Cash Transfers” screen/ “List Cash Transfers” screen or “Details of cash transfers” screen</p> <p>A2A: A copy of the camt.025</p>
Relevant Documentation	<p>UDFS CLM:</p> <p>5.4.2.3.2 Immediate intra-service liquidity transfer between two CLM Accounts</p> <p>CLM UHB:</p> <p>5.2.5 Liquidity Transfer – New Screen</p>
Related privileges	<p>Create Liquidity Transfer Order</p> <p>Liquidity Transfer Order Detail Query</p> <p>Liquidity Transfer Order List Query</p> <p>CLM Initiate Immediate Liquidity Transfer</p> <p>CLM Query Cash Transfer Detail</p> <p>CLM Query Cash Transfer</p>

T2\_TC\_CLM\_AH\_ID3 - Available liquidity CLM query

Test Case ID	T2_TC_CLM_AH_ID3
Test case name	Available liquidity CLM query
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	QUER
Input mode	U2A or A2A
Mandatory	Yes
Detailed Description	<p>The purpose of this test case is to verify that the user can query the available liquidity of its CLM accounts</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. Select Liquidity → CLM Cash Account Liquidity – Query Screen → [Submit] → CLM Cash Account Liquidity – Display Screen</li> <li>2. From the cash account liquidity query screen, the user can search the available liquidity on one, many or all accounts that a user is authorised to see through U2A interface.</li> <li>3. The users can query within their data scope, which is determined by the Party BIC.</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. The user sends a GetAccount camt.003 “Query request message - available liquidity CLM query” to CLM.</li> <li>2. The user receives a ReturnAccount camt.004 in response. “Query response for business data - available liquidity CLM query” with the requested balance information according to the specified search criteria.</li> </ol>
Preconditions/Details	A party with accounts in CLM and RTGS should exist.
Expected results	The user can see the overall liquidity of the selected account from the search criteria.
Test evidence	<p>U2A: Screenshot of the overall liquidity of an account (intra-service).</p> <p>A2A: Screenshot of the ReturnAccount camt.004</p>
Relevant Documentation	<p>UDFS CLM:</p> <p>8.6 Query management - CB specific queries</p> <p>8.7 Business/liquidity monitoring for CBs</p>

	9.25.1.2 Messages 12.2 Cash management (camt) UHB CLM 5.2.1 CLM Cash Account Liquidity – Query Screen
Related privileges	CLM Query Available Liquidity CLM Query Account Balance CLM Query local party cash account reference data CLM Query Monitoring Screen “Available Liquidity per Account Holder”

#### T2\_TC\_CLM\_AH\_ID4 - Recourse to a deposit facility

Test Case ID	T2_TC_CLM_AH_ID4
Test case name	Recourse to a deposit facility
Relevant for	CLM Account Holder
Domain	CLM
Sub Domain	LTO
Input mode	U2A or A2A
Mandatory	Conditional: only required for payment banks with overnight deposit facility
Detailed Description	<p>This test case describes how to make an overnight deposit with the respective central bank of a CLM account holder.</p> <p>U2A:</p> <ol style="list-style-type: none"> <li>1. Select Liquidity → and click on the sub-menu entry ‘New Liquidity Transfer’</li> <li>2. Enter the account number of the debit account. This can be the account number of the MCA, the RTGS DCA, the TIPS Account or the RTGS sub-account of the CLM account holder requesting the overnight deposit.</li> <li>3. Enter the account number of the credit account. This has to be the account number of the Overnight Deposit Account owned by the Central Bank and opened in the name of the respective CLM account holder requesting the overnight deposit.</li> <li>4. Enter the amount that is to be transferred and provide an end-to-end identification for the liquidity transfer order</li> <li>5. Click on the ‘Submit’ Button in order to submit the liquidity transfer order</li> <li>6. The next day, check the repayment of capital and</li> </ol>



	<p>interests on the MCA account</p> <p>A2A</p> <p>7. The camt.050 message is sent by a payment bank to CLM to fund its own OD account.</p> <p>8. On the next day, payment bank receives a CAMT.054 (if subscribed) for repayment with Local instrument proprietary / Code word ODRF and CAMT.054 with Local instrument proprietary / Code word ODIN for interests payment</p>
Preconditions/Details	<p>Sufficient liquidity on the account to be debited.</p> <p>The account holder opted to receive a confirmation message camt.054.</p> <p>The CB has created a separate overnight deposit account per monetary policy counterparty using the overnight deposit functionality</p>
Expected results	<p>U2A: notification area shows whether the submission of the data has been completed</p> <p>A2A: Successful camt.054 is received</p>
Test evidence	<p>U2A: screenshot of the notification area after submitting the liquidity transfer order or the screenshot of the liquidity transfer order with status “settled” that can be requested from “Query Cash Transfers” screen, “List Cash Transfers” screen or “Details of cash transfers” screen</p> <p>A2A: copy of the successful camt.025 and/or camt.054</p>
Relevant Documentation	<p>CLM UHB</p> <p>6.2.5 Enter overnight deposit</p> <p>CLM UDFS</p> <p>9.23 Processing of standing facilities</p> <p>9.23.1 Process overnight deposit - setting up order</p> <p>9.23.2 Process overnight deposit - reverse order</p>
Related privileges	CLM Initiate Overnight Deposit

#### T2\_TC\_CLM\_AH\_ID5 - Verify Credit Line increase

Test Case ID	T2_TC_AH_ID5
Test case name	Verify Credit Line increase
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	MCL

Input mode	U2A, A2A
Mandatory	Conditional Not applicable for out-countries
Detailed Description	<p>This test case describes the verification that a credit line increase (delta) is received by CLM for a CLM account holder's default MCA from a CB (CMS).</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. The CLM account holder can verify the credit line increase by going to Liquidity &gt;&gt; CLM Cash Account Liquidity – Query Scree</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>2. After successful execution, CLM sends a BankToCustomerDebitCreditNotification (camt.054) message, if subscribed, confirming the modification of the credit line on the default MCA to the CLM MCA Account Holder.</li> </ol>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1. A credit line increase (delta) is received in CLM from the CB (CMS). For that purpose, BDF proposes to send a sequence of CAMT.998 for all FR T2 CLM account holders which are policy monetary counterparts</li> <li>2. Business validation is completed successfully, so the credit line increase is executed and a credit line modification execution notification is sent to the relevant CB (CMS).</li> <li>3. Sub-Processes "automated liquidity transfer order with intermediate status" followed by "CLM floor and ceiling" are triggered.</li> <li>4. A positive credit line modification notification message is sent to the CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <ul style="list-style-type: none"> <li>- Default MCA exists for the selected CLM Account Holder.</li> <li>- A message subscription exists on CL modification notification for the CLM Account Holder.</li> </ul>
Expected results	The relevant credit line is increased
Test evidence	<p>U2A: Screenshot of the account holder credit line before and after the increase.</p> <p>A2A: Copy of the notification message</p>
Relevant Documentation	<p>CLM UHB:</p> <p>5.2.3 Credit Line per Account Holder – Query Screen</p>

	CLM UDFS 13.2 Credit line management (camt)
Related privileges	CLM_QueryAvaLiq

T2\_TC\_CLM\_AH\_ID6 - Settlement of a Credit Transfer Order/Pacs009 initiated by NCB

Test Case ID	T2_TC_CLM_AH_ID6
Test case name	Settlement of a Credit Transfer Order/Pacs009 initiated by NCB
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	CTO
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification that a CAMT.054 is received by the CLM account holder or by displaying the cash transfer in CLM GUI after the sending of a CBO (cash lodgement for example) initiated by NCB.</p> <p>U2A : The CLM account holder user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry ‘Details’</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (camt.054) message, if subscribed, confirming to the CLM Account Holder the settlement of the cash transfer on the MCA</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1. BDF sends PACS.009 CBO to CLM for settlement on the MCA</li> <li>2. Business validation is completed successfully, so the credit transfer order is settled.</li> <li>3. A positive credit notification message is sent to the CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <p>A message subscription exists for payment notification for the CLM Account Holder.</p>
Expected results	Displaying the credit transfer and its status
Test evidence	<p>U2A: Screenshot of the cash transfer in CLM MCA</p> <p>A2A: Copy of the notification message</p>
Relevant Documentation	<p>CLM UHB:</p> <p>5.1.2 Cash Transfers – List Screen</p> <p>5.1.3 Cash Transfers – Details Screen</p> <p>CLM UDFS</p> <p>9.3 Process CLM payment order and liquidity transfer order</p> <p>9.7 Perform standard settlement CLM</p>

Related privileges	CLM_QueryCashTrans CLM_QueryCashTransDetails
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## T2\_TC\_CLM\_AH\_ID7 - Settlement of a direct debit Order/Pacs010 initiated by NCB

Test Case ID	T2_TC_CLM_AH_ID7
Test case name	Settlement of a direct debit Order/Pacs010 initiated by NCB
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	CTO
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification that a CAMT.054 is received by a CLM account holder or the displaying of direct debit in CLM GUI after the sending of a CBO (cash withdrawal for example) initiated by NCB.</p> <p>U2A : The CLM account holder user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry ‘Details’</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (CAMT.054) message, if subscribed, confirming to the CLM Account Holder the settlement of the direct debit on the MCA</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 BDF sends PACS.010 CBO to CLM for settlement on the MCA account</li> <li>2 Business validation is completed successfully, so the direct debit is settled.</li> <li>3 A positive debit notification message is sent to the CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <p>A message subscription exists for payment notification for the CLM Account Holder.</p>
Expected results	Displaying the direct debit order and its status
Test evidence	<p>U2A: Screenshot of the cash transfer in CLM MCA</p> <p>A2A: Copy of the notification message</p>
Relevant Documentation	<p>CLM UHB:</p> <p>5.1.2 Cash Transfers – List Screen</p> <p>5.1.3 Cash Transfers – Details Screen</p> <p>CLM UDFS</p> <p>9.3 Process CLM payment order and liquidity transfer order</p> <p>9.7 Perform standard settlement CLM</p>
Related privileges	CLM_QueryCashTrans CLM_QueryCashTransDetails

T2\_TC\_CLM\_AH\_ID8 - Settlement of a Credit Transfer Order/Pacs009 CONPAY initiated by NCB

Test Case ID	T2_TC_CLM_AH_ID8
Test case name	Settlement of a Credit Transfer Order/Pacs009 CONPAY initiated by NCB
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	CTO
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification that a CAMT.054 is received by a CLM account holder or the displaying of cash transfer in CLM GUI after the sending of a CBO (Open market operation) initiated by NCB.</p> <p>U2A : The CLM account holder user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry ‘Details’ Check the simultaneous credit line decrease : Query CLM Cash Account Liquidity’.</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (CAMTt.054) message, if subscribed, to the CLM Account Holder confirming the settlement of the cash transfer on the MCA. (code word “CONP” in <b>Entry/Amount Details Type and Entry details/local instrument proprietary code</b>)</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 BDF sends PACS.009 CBO to CLM with code word “CONP” for settlement on the MCA account ; for that purpose, BDF proposes to send a sequence of payments for all FR T2 CLM account holders participating in monetary policy during a pre-defined business day</li> <li>2 Business validation is completed successfully, so the credit transfer order is settled and the credit line decreased</li> <li>3 A positive credit notification message is sent to the CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <p>A message subscription exists for payment notification for the CLM Account Holder.</p>
Expected results	Displaying the credit transfer and its status and the simultaneous credit line decrease
Test evidence	<p>U2A: Screenshot of the cash transfer in CLM MCA and new credit line amount</p> <p>A2A: Copy of the notification message</p>
Relevant Documentation	<p>CLM UHB:</p> <p>5.1.2 Cash Transfers – List Screen</p> <p>5.1.3 Cash Transfers – Details Screen</p> <p>5.2.1 CLM Cash Account Liquidity – Query Screen</p> <p>5.2.2 CLM Cash Account Liquidity – Display Screen</p>

	<p>CLM UDFS</p> <p>9.3 Process CLM payment order and liquidity transfer order</p> <p>9.7 Perform standard settlement CLM</p> <p>9.13 Settle connected payments</p>
Related privileges	<p>CLM_QueryCashTrans</p> <p>CLM_QueryCashTransDetails</p> <p>CLM_QueryAvaLiq</p>

## T2\_TC\_CLM\_AH\_ID9 - Settlement of Direct Debit Order/Pacs010 CONPAY initiated by NCB

Test Case ID	T2_TC_CLM_AH_ID9
Test case name	Settlement of Direct Debit Order/Pacs010 CONPAY initiated by NCB
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	CTO
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification that a CAMT.054 is received by a CLM account holder or the displaying of direct debit in CLM GUI after the sending of a CBO (Repayment of open market operation) initiated by NCB.</p> <p>U2A : The CLM account holder user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry 'Details'</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (CAMT.054) message, if subscribed, to the CLM Account Holder confirming the settlement of the direct debit on the MCA</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 BDF sends PACS.010 CBO to CLM for settlement on the MCA account with code word “CONP”; for that purpose, BDF proposes to send a sequence of payments for all FR T2 CLM account holders participating in monetary policy during a pre-defined business day</li> <li>2 Business validation is completed successfully, so the direct debit is settled.and the credit line increased</li> <li>3 A positive debit notification message is sent tothe CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <p>A message subscription exists for payment notification for the CLM Account Holder.</p>
Expected results	Displaying the direct debit order and its status and the simultaneous credit line increase
Test evidence	<p>U2A: Screenshot of the direct debit in CLM MCA and new credit line amount</p> <p>A2A: Copy of the notification message</p>

Relevant Documentation	<p>CLM UHB:</p> <p>5.1.2 Cash Transfers – List Screen</p> <p>5.1.3 Cash Transfers – Details Screen</p> <p>5.2.1 CLM Cash Account Liquidity – Query Screen</p> <p>5.2.2 CLM Cash Account Liquidity – Display Screen</p> <p>CLM UDFS</p> <p>9.3 Process CLM payment order and liquidity transfer order</p> <p>9.7 Perform standard settlement CLM</p> <p>9.13 Settle connected payments</p>
Related privileges	<p>CLM_QueryCashTrans</p> <p>CLM_QueryCashTransDetails</p> <p>CLM_QueryAvaLiq</p>

## T2\_TC\_CLM\_AH\_ID10 - Statement of account

Test Case ID	T2_TC_CLM_AH_ID10
Test case name	Statement of account
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	QUER
Input mode	U2A, A2A
Mandatory	YES
Detailed Description	<p>This test case describes the verification that a CAMT.053 statement of account is received by a CLM account holder or the displaying of statement of account in CLM GUI</p> <p>U2A : The CLM account holder user can verify the availability of the statement of account by displaying</p> <p>Cash Transfers and Messages &gt;&gt; Messages – Query Screen Message type : Bank To Customer Statement (camt.053)</p> <p>A2A : At End of Day event, CLM sends a BankToCustomerStatement (camt.053 message, if subscribed.</p> <p>The report “statement of accounts” includes information on one single cash account of a CLM Actor ; It is provided as a complete report ; A generated report is available for query until it is replaced by a new version of it</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 Cash and liquidity transfers settled during business day</li> <li>2 Configuration of report “statement of account” in CRDM</li> <li>3 Sending of the report by CLM during Eod Period</li> </ol>
Expected results	Displaying the statement of account in UtoA and/or receiving CAMT053 statement of account
Test evidence	<p>U2A: Screenshot of the SoA</p> <p>A2A: Copy of the CAMT053 message</p>

Relevant Documentation	CLM UHB: 5.1.6 Messages – Query Screen 5.1.7 Messages – List Screen 5.1.8 Messages – Details Screen CLM UDFS 5.7.2 CLM report generation 5.7.3 Query management for CLM CRDM UDFS, chapter " <i>Report Configuration - New</i> " and chapter " <i>Report configuration</i> "
Related privileges	CLM_QueryMsg

## T2\_TC\_CLM\_AH\_ID11 - Recourse to a marginal lending on request

Test Case ID	T2_TC_CLM_AH_ID11
Test case name	Recourse to a marginal lending on request
Relevant for	CLM Account Holders
Domain	CLM
Sub Domain	SF
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification of the process of a marginal lending on request on the default MCA of the payment bank (set-up, refund and interest payment) ; reporting done with sending of CAMT.054 to the MCA account holder or using the GUI.</p> <p>U2A :          BDF CMS Operator initiates a marginal lending via CLM GUI to credit MCA of the monetary policy counterpart          The CLM account holder user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry ‘Details’          The next day, check the repayment capital and interests</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (CAMT.054) message Local instrument proprietary Code word “MLRS”, “MLRR” for repayment and “MLIN” for interest, if subscribed, confirming the settlement of the credit on the MCA</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 Business validation is completed successfully,</li> <li>2 A positive credit notification message is sent to the CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <p>A message subscription exists for payment notification for the CLM Account Holder.</p>
Expected results	Displaying the marginal lending set-up order, repayment and interests payment and its status
Test evidence	U2A: Screenshot of the MLOR in CLM MCA A2A: Copy of the notification message



Relevant Documentation	<p>CLM UHB:</p> <p>5.4.1 Standing Facilities – Query Screen</p> <p>5.4.2 Standing Facilities – List Screen</p> <p>5.2.1 CLM Cash Account Liquidity – Query Screen</p> <p>5.2.2 CLM Cash Account Liquidity – Display Screen</p> <p>CLM UDFS</p> <p>5.6.2 Marginal lending on request</p> <p>9.23.4 Process marginal lending on request - setting up order</p> <p>9.23.7 Process marginal lending - reimbursement and interest</p>
Related privileges	CLM_QueryStaFac

## 2.1 CLM Co-managed Account Holders

### T2\_TC\_COMANAGEE\_ID01 - CLM liquidity transfer order to RTGS DCA

Test Case ID	T2_TC_COMANAGEE_ID01
Test case name	CLM liquidity transfer order to RTGS DCA
Relevant for	CLM Co-managed Account Holders
Domain	CLM
Sub Domain	LTO
Input mode	U2A or A2A
Mandatory	<p>Conditional</p> <p>The following are exempt for this test case</p> <ul style="list-style-type: none"> <li>-institutions having an MCA for cash withdrawal only;</li> <li>-Institutions having an MCA to satisfy minimum reserve only.</li> </ul>

Detailed Description	<p>This test case describes the steps required to carry out a CLM liquidity transfer to a RTGS DCA.</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. Select Liquidity → Liquidity Transfer – New Screen</li> <li>2. An authorised user can enter a liquidity transfer order to transfer liquidity from an MCA to a RTGS DCA through the New Liquidity Transfer Order page in GUI application.</li> <li>3. The user fills in all fields correctly and clicks on 'Submit' button.</li> <li>4. The user is requested to confirm the data and a success message appears.</li> <li>5. The liquidity transfer order is created and settled. There is also a 'Reset' button available to cancel the modification.</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. The Co-Manager participant sends a camt.050 (to transfer liquidity from Co-managed MCA to a RTGS DCA) which passes technical and business validation.</li> </ol>
Preconditions/Details	<p>The debtor Party needs to be a Co-managed CLM account holder and the Co-manager needs to be authorised to debit the MCA.</p> <p>The user has access to the New Liquidity Transfer order page (U2A only)</p> <p>Message subscription exists for the credit notification (A2A only)</p> <p>Sufficient liquidity is held (unreserved) to effect settlement</p>
Expected results	<p>Camt. 054 received if configured (applicable for U2A and A2A)</p> <p>U2A</p> <p>The LT is visible on the Cash Order screen with status “settled”</p> <p>A2A</p> <p>The processing continues with 'Submit to settlement'.</p> <p>The liquidity transfer order is correctly settled and the submitting actor receives a camt.025 with the code value SSTS (SettlementStatus).</p> <p>To notify the settlement, the creditor receives a camt.054.001.08 BankToCustomerDebitCreditNotification with local instrument (LIIE)</p>
Test evidence	<p>U2A:</p> <p>Screenshot of the LT on the Cash Order Screen with cash transfer status “settled”</p> <p>A2A:</p> <p>Copy of the camt.025 (A2A)</p>

Relevant Documentation	UDFS CLM: 5.4.2.3.3 Immediate inter-service liquidity transfer between two dedicated accounts in different settlement services  UHB CLM: 5.2.1 CLM Cash Account Liquidity – Query Screen 5.2.5 Liquidity Transfer – New Screen 6.2.1 Display cash account liquidity (one service only)
Related privileges	CLM Create Liquidity Transfer Order CLM Liquidity Transfer Order Detail Query CLM Liquidity Transfer Order List Query CLM Initiate Immediate Liquidity Transfer CLM Query Cash Transfer Detail CLM Query Cash Transfer

#### T2\_TC\_COMANAGEE\_ID02 - CLM liquidity transfer order between two MCAs

Test Case ID	T2_TC_COMANAGEE_ID02
Test case name	CLM liquidity transfer order between two MCAs
Relevant for	CLM Co-managed Account Holders
Domain	CLM
Sub Domain	LTO
Input mode	U2A or A2A
Mandatory	Conditional Requires a liquidity transfer group.
Detailed Description	<p>This test case describes the steps required to carry out a liquiditytransfer order from one MCA to another MCA.</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. Select Liquidity ➔ Liquidity Transfer – New Screen</li> <li>2. Enter a liquidity transfer order to another MCA</li> <li>3. Click on ‘Submit’ button.</li> <li>4. The user is requested to confirm the data and a success message appears.</li> <li>5. The liquidity transfer order is created. There is also a ‘Reset’ button available to cancel the modification.</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. The Co-Manager participant sends a camt.050 (to transfer liquidity from Co-Managed MCA to a RTGS DCA) which passes technical and business validation.</li> </ol>

Preconditions/Details	<p>The debtor Party needs to be a Co-managed CLM account holder and the Co-Manager needs to be authorised to debit the Co-Managed MCA.</p> <p>Message subscription exists for the camt.054 credit notification (optional)</p> <p>MCAs belong to the same Liquidity Transfer Group</p>
Expected results	<p>U2A:</p> <p>The LT has settled (with cash transfer status “settled” and is visible on Cash Order search/list screen. The debited and credited MCA received aCamt.054 (if configured in CRDM).</p> <p>A2A:</p> <p>The liquidity order transfer is not earmarked due to blocking and the processing continues with ‘Submit to settlement’.</p>
	<p>The liquidity transfer is correctly settled and the sender receives a camt.025 with the code value SSTS (SettlementStatus).</p> <p>To notify the settlement, the creditor receives a camt.054.001.08 BankToCustomerDebitCreditNotification with local instrument (LIIA).</p>
Test evidence	<p>U2A: A screenshot of the LT in the Cash Order list with cash transferstatus “settled”</p> <p>A2A: A copy of the camt.025</p>
Relevant Documentation	<p>UDFS CLM:</p> <p>5.4.2.3.2 Immediate intra-service liquidity transfer between two CLM Accounts</p> <p>CLM UHB:</p> <p>5.2.5 Liquidity Transfer – New Screen</p>
Related privileges	<p>Create Liquidity Transfer Order</p> <p>Liquidity Transfer Order Detail Query</p> <p>Liquidity Transfer Order List Query</p> <p>CLM Initiate Immediate Liquidity Transfer</p> <p>CLM Query Cash Transfer Detail</p> <p>CLM Query Cash Transfer</p>

#### T2\_TC\_COMANAGEE\_ID03 - Available liquidity CLM query

Test Case ID	T2_TC_COMANAGEE_ID03
Test case name	Available liquidity CLM query
Relevant for	CLM Co-Managed Account Holders

Domain	CLM
Sub Domain	QUER
Input mode	U2A or A2A
Mandatory	Yes
Detailed Description	<p>The purpose of this test case is to verify that the Co-Manager can query the available liquidity of its Co-Managed CLM accounts</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. Select Liquidity → CLM Cash Account Liquidity – Query Screen → [Submit] → CLM Cash Account Liquidity – Display Screen</li> <li>2. From the cash account liquidity query screen, the user can search the available liquidity on one, many or all accounts that a user is authorised to see through U2A interface.</li> <li>3. The users can query within their data scope, which is determined by the Party BIC.</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. The Co-Manager sends a GetAccount camt.003 “Query requestmessage - available liquidity CLM query” to CLM.</li> <li>2. The user receives a ReturnAccount camt.004 in response. “Query response for business data - available liquidity CLM query” with the requested balance information according to the specified search criteria.</li> </ol>
Preconditions/Details	A party with accounts in CLM (and RTGS) should exist.
Expected results	The user can see the overall liquidity of the selected account from thesearch criteria.
Test evidence	<p>U2A:</p> <p>Screenshot of the overall liquidity of an account (intra-service).</p> <p>A2A:</p> <p>Screenshot of the ReturnAccount camt.004</p>
Relevant Documentation	<p>UDFS CLM:</p> <p>8.6 Query management - CB specific queries</p> <p>8.7 Business/liquidity monitoring for CBs</p> <p>9.25.1.2 Messages</p> <p>12.2 Cash management (camt)</p> <p>UHB CLM</p> <p>5.2.1 CLM Cash Account Liquidity – Query Screen</p>

Related privileges	CLM Query Available Liquidity CLM Query Account Balance CLM Query local party cash account reference data CLM Query Monitoring Screen “Available Liquidity per Account Holder”
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#### T2\_TC\_COMANAGEE\_ID04 - Recourse to a deposit facility

Test Case ID	T2_TC_COMANAGEE_ID04
Test case name	Recourse to a deposit facility
Relevant for	CLM Co-Managed Account Holder
Domain	CLM
Sub Domain	SF
Input mode	U2A or A2A
Mandatory	Conditional: only required for payment banks with overnight deposit facility
Detailed Description	<p>This test case describes how to make an overnight deposit with the respective Central Bank of a Co-Managed CLM account holder.</p> <p>U2A:</p> <ol style="list-style-type: none"> <li>1. Select Liquidity ➔ and click on the sub-menu entry ‘New Liquidity Transfer’</li> <li>2. Enter the account number of the debit account. This can be the account number of the MCA, the RTGS DCA, the TIPS Account or the RTGS sub-account of the CLM account holder requesting the overnight deposit.</li> <li>3. Enter the account number of the credit account. This has to be the account number of the Overnight Deposit Account owned by the Central Bank and opened in the name of the respective CLM account holder requesting the overnight deposit.</li> <li>4. Enter the amount that is to be transferred and provide an end-to-end identification for the liquidity transfer order</li> <li>5. Click on the ‘Submit’ Button in order to submit the liquidity transfer order.</li> <li>6. The next day, check the repayment capital and interests on the MCA account</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. The camt.050 message is sent by a payment bank to CLM to fund its own OD account.</li> <li>2. Next day, payment bank receives a CAMT.054 if subscribed for repayment with Local instrument</li> </ol>

	<p>proprietary / Code word ODRF and CAMT.054 with Local instrument proprietary / Code word ODIN for interests payment</p> <p>A2A</p> <p>1. The camt.050 message is sent by a Co-Manager payment bank to CLM to fund its own OD account linked with the Co-Managed CLM account.</p>
Preconditions/Details	<p>Sufficient liquidity on the account to be debited.</p> <p>The account holder opted to receive a confirmation message camt.054. The CB has created a separate overnight deposit account per monetary policy counterparty using the overnight deposit functionality</p>
Expected results	<p>U2A: notification area shows whether the submission of the data has been completed</p> <p>A2A: Successful camt.054 is received</p>
Test evidence	<p>U2A: screenshot of the notification area</p> <p>A2A: copy of the successful camt.054</p>
Relevant Documentation	<p>CLM UHB</p> <p>6.2.5 Enter overnight deposit</p> <p>CLM UDFS</p> <p>9.23 Processing of standing facilities</p> <p>9.23.1 Process overnight deposit - setting up order</p> <p>9.23.2 Process overnight deposit - reverse order</p>
Related privileges	CLM Initiate Overnight Deposit

#### T2\_TC\_COMANAGEE\_ID05 - Verify Credit Line increase

Test Case ID	T2_TC_COMANAGEE_ID05
Test case name	Verify Credit Line increase
Relevant for	CLM Co-Managed Account Holders
Domain	CLM
Sub Domain	MCL
Input mode	U2A, A2A
Mandatory	<p>Conditional</p> <p>Not applicable for out-countries</p>

Detailed Descriptn	<p>This test case describes the verification that a credit line increase (delta) is received by CLM for a Co-Managed CLM account holder's default MCA from a CB (CMS).</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. The Co-Manager of the default MCA can verify the credit line increase by going to Liquidity &gt;&gt; CLM Cash Account Liquidity – Query Screen</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. After successful execution, CLM sends a BankToCustomerDebitCreditNotification (camt.054) message, if subscribed, confirming the modification of the credit line on the default MCA to the Co-Managed CLM MCA Account Holder.</li> <li>2. Co-Manager of CLM MCA sends a CAMT.003 to query credit line amount posted on the default Co-Managed MCA account and receives a CAMT.004 as answer to its query with the current value of the credit line</li> </ol>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1. A credit line increase (delta) is received in CLM from the CB(CMS). For that purpose, BDF proposes to send a sequence of CAMT.998 for all FR T2 CLM account holders which are policy monetary counterparts</li> <li>2. Business validation is completed successfully, so the credit line increase is executed and a credit line modification execution notification is sent to the relevant CB (CMS).</li> <li>3. Sub-Processes "automated liquidity transfer order with intermediate status" followed by "CLM floor and ceiling" are triggered.</li> <li>4. A positive credit line modification notification message is sent to the Co-Manager CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <ul style="list-style-type: none"> <li>- Default MCA exists for the selected Co-Managed CLM Account Holder.</li> <li>- A message subscription exists on CL modification notification for the CLM Account Holder.</li> </ul>
Expected results	The relevant credit line is increased
Test evidence	<p>U2A: Screenshot of the account holder credit line before and after the increase.</p> <p>A2A: Copy of the notification message</p>
Relevant Documentation	<p>CLM UHB:</p> <p>5.2.3 Credit Line per Account Holder – Query Screen</p> <p>CLM UDFS</p> <p>13.2 Credit line management (camt)</p>
Related privileges	CLM_QueryAvaLiq



T2\_TC\_COMANAGEE\_ID06 - Settlement of a Credit Transfer Order/Pacs009 initiated by NCB

Test Case ID	T2_TC_COMANAGEE_ID06
Test case name	Settlement of a Credit Transfer Order/Pacs009 initiated by NCB
Relevant for	CLM Co-Managed Account Holders
Domain	CLM
Sub Domain	CTO
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification that a CAMT.054 is received by the Co-Manager or the displaying of cash transfer in CLM GUI after the sending of a CBO (cash lodgement for example) initiated by NCB.</p> <p>U2A : The Co-Manager user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry ‘Details’</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (camt.054) message, if subscribed, confirming the settlement of the cash transfer on the Co-Managed MCA.</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1. BDF sends PACS.009 CBO to CLM for settlement on the Co-Managed MCA account ;</li> <li>2. Business validation is completed successfully, so the credit transfer order is settled.</li> <li>3. A positive credit notification message is sent to the Co-Manager Additional preconditions include: A message subscription exists to payment notifications for the CLM Account Holder.</li> </ol>
Expected results	Displaying the credit transfer and its status
Test evidence	<p>U2A: Screenshot of the cash transfer in CLM MCA</p> <p>A2A: Copy of the notification message</p>
Relevant Documentation	<p>CLM UHB:</p> <p>5.1.2 Cash Transfers – List Screen</p> <p>5.1.3 Cash Transfers – Details Screen</p> <p>CLM UDFS</p> <p>9.3 Process CLM payment order and liquidity transfer order</p> <p>9.7 Perform standard settlement CLM</p>
Related privileges	<p>CLM_QueryCashTrans</p> <p>CLM_QueryCashTransDetails</p>

T2\_TC\_COMANAGEE\_ID07 - Settlement of a direct debit Order/Pacs010 initiated by NCB

Test Case ID	T2_TC_COMANAGEE_ID07
Test case name	Settlement of a direct debit Order/Pacs010 initiated by NCB
Relevant for	CLM Co-Managed Account Holders
Domain	CLM
Sub Domain	CTO
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification that a CAMT.054 is received by the Co-Manager or the displaying of direct debit in CLM GUI after the sending of a CBO (cash withdrawal for example) initiated by NCB.</p> <p>U2A : The Co-Manager user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry ‘Details’</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (camt.054) message, if subscribed, confirming the settlement of the direct debit on the MCA of the Co-Manager</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 BDF sends PACS.010 CBO to CLM for settlement on the Co-Managed MCA account</li> <li>2 Business validation is completed successfully, so the direct debit is settled.</li> <li>3 A positive debit notification message is sent to the CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <p>A message subscription exists for payment notification for the CLM Account Holder.</p>
Expected results	Displaying the direct debit order and its status
Test evidence	<p>U2A: Screenshot of the cash transfer in CLM MCA</p> <p>A2A: Copy of the notification message</p>
Relevant Documentation	<p>CLM UHB:</p> <p>5.1.2 Cash Transfers – List Screen</p> <p>5.1.3 Cash Transfers – Details Screen</p> <p>CLM UDFS</p> <p>9.3 Process CLM payment order and liquidity transfer order</p> <p>9.7 Perform standard settlement CLM</p>
Related privileges	<p>CLM_QueryCashTrans</p> <p>CLM_QueryCashTransDetails</p>

T2\_TC\_COMANAGEE\_ID08 - Settlement of a Credit Transfer Order/Pacs009 CONPAY initiated by NCB

Test Case ID	T2_TC_COMANAGEE_ID08
Test case name	Settlement of a Credit Transfer Order/Pacs009 CONPAY initiated by NCB
Relevant for	CLM Co-Managed Account Holders
Domain	CLM
Sub Domain	CTO
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification that a CAMT.054 is received by the Co-Manager or the displaying of cash transfer in CLM GUI after the sending of a CBO (Open market operation) initiated by NCB.</p> <p>U2A : The Co-Manager user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry ‘Details’ Check the simultaneous credit line decrease : Query CLM Cash Account Liquidity’.</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (camt.054) message, if subscribed, confirming the settlement of the cash transfer on the Co-Managed MCA. (code word “CONP” in <b>Entry/Amount Details Type and Entry details/local instrument proprietary code</b>)</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 BDF sends PACS.009 CBO to CLM with code word “CONP” for settlement on the Co-Managed MCA; for that purpose, BDF proposes to send a sequence of payments for all FR T2 CLM account holders</li> <li>2 Business validation is completed successfully, so the credit transfer order is settled and the credit line decreased</li> <li>3 A positive credit notification message is sent to the Co-Manager Additional preconditions include: A message subscription exists to payment notifications for the CLM Account Holder.</li> </ol>
Expected results	Displaying the credit transfer and its status and the simultaneous credit line decrease
Test evidence	<p>U2A: Screenshot of the cash transfer in CLM MCA and new credit line amount</p> <p>A2A: Copy of the notification message</p>
Relevant Documentation	<p>CLM UHB: 5.1.2 Cash Transfers – List Screen 5.1.3 Cash Transfers – Details Screen 5.2.1 CLM Cash Account Liquidity – Query Screen 5.2.2 CLM Cash Account Liquidity – Display Screen</p> <p>CLM UDFS</p>

	9.3 Process CLM payment order and liquidity transfer order 9.7 Perform standard settlement CLM 9.13 Settle connected payments
Related privileges	CLM_QueryCashTrans CLM_QueryCashTransDetails CLM_QueryAvaLiq

## T2\_TC\_COMANAGEE\_ID09 - Settlement of Direct Debit Order/Pacs010 CONPAY initiated by NCB

Test Case ID	T2_TC_COMANAGEE_ID09
Test case name	Settlement of Direct Debit Order/Pacs010 CONPAY initiated by NCB
Relevant for	CLM Co-Managed Account Holders
Domain	CLM
Sub Domain	CTO
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification that a CAMT.054 is received by a Co-Manager CLM account holder's MCA or the displaying of direct debit in CLM GUI after the sending of a CBO (Repayment of open market operation) initiated by NCB.</p> <p>U2A : The Co-Manager user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry 'Details'</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (camt.054) message, if subscribed, confirming the settlement of the direct debit on the Co-Managed MCA.</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 BDF sends PACS.010 CBO to CLM for settlement on the Co-Managed MCA with code word "CONP"; for that purpose,</li> <li>2 Business validation is completed successfully, so the direct debit is settled.and the credit line increased</li> <li>3 A positive debit notification message is sent to the Co-Manager Additional preconditions include: A message subscription exists for payment notification for the CLM Account Holder.</li> </ol>
Expected results	Displaying the direct debit order and its status and the simultaneous credit line increase
Test evidence	<p>U2A: Screenshot of the direct debit in CLM and new credit line value</p> <p>A2A: Copy of the notification message</p>

Relevant Documentation	<p>CLM UHB:</p> <p>5.1.2 Cash Transfers – List Screen</p> <p>5.1.3 Cash Transfers – Details Screen</p> <p>5.2.1 CLM Cash Account Liquidity – Query Screen</p> <p>5.2.2 CLM Cash Account Liquidity – Display Screen</p> <p>CLM UDFS</p> <p>9.3 Process CLM payment order and liquidity transfer order</p> <p>9.7 Perform standard settlement CLM</p> <p>9.13 Settle connected payments</p>
Related privileges	<p>CLM_QueryCashTrans</p> <p>CLM_QueryCashTransDetails</p> <p>CLM_QueryAvaLiq</p>

#### T2\_TC\_COMANAGEE\_ID10 - Statement of account

Test Case ID	T2_TC_COMANAGEE_ID10
Test case name	Statement of account
Relevant for	CLM Co-Managed Account Holders
Domain	CLM
Sub Domain	QUER
Input mode	U2A, A2A
Mandatory	MAND
Detailed Description	<p>This test case describes the verification that a CAMT.053 statement of account is received by a CLM account holder or the displaying of statement of account in CLM GUI</p> <p>U2A : The CLM account holder user can verify the availability of the statement of account by displaying</p> <p>Cash Transfers and Messages &gt;&gt; Messages – Query Screen</p> <p>Message type : Bank To Customer Statement (camt.053)</p> <p>A2A : At End of Day event, CLM sends a BankToCustomerStatement (camt.053 message, if subscribed.</p> <p>The report “statement of accounts” includes information on one single cash account of a CLM Actor ; It is provided as a complete report ; A generated report is available for query until it is replaced by a new version of it</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 Cash and liquidity transfers settled during business day</li> <li>2 Configuration of report “statement of account” in CRDM</li> <li>3 Sending of the report by CLM during Eod Periodpre-defined business</li> </ol>

Expected results	Displaying the statement of account in UtoA and/or receiving CAMT053 statement of account
Test evidence	U2A: Screenshot of the SoA A2A: Copy of the CAMT053 message
Relevant Documentation	CLM UHB: 5.1.6 Messages – Query Screen 5.1.7 Messages – List Screen 5.1.8 Messages – Details Screen CLM UDFS 5.7.2 CLM report generation 5.7.3 Query management for CLM CRDM UDFS, chapter " <i>Report Configuration - New</i> " and chapter " <i>Report configuration</i> "
Related privileges	CLM_QueryMsg

## T2\_TC\_COMANAGEE\_ID11 - Recourse to a marginal lending on request

Test Case ID	T2_TC_COMANAGEE_ID11
Test case name	Recourse to a marginal lending on request
Relevant for	CLM Co-Managed Account Holders
Domain	CLM
Sub Domain	SF
Input mode	U2A, A2A
Mandatory	Conditional
Detailed Description	<p>This test case describes the verification of the process of a marginal lending on request on the default MCA (set-up, refund and interest payment) ; reporting done with sending of CAMT.054 to the MCA account holder or displaying.</p> <p>U2A :</p> <p>BDF CMS Operator initiates a marginal lending via CLM GUI to credit the default MCA of the monetary policy counterpart</p> <p>The CLM account holder user can verify the settlement by going to Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen &gt;&gt; [Submit] / Cash Transfers – List Screen &gt;&gt; Context menu entry 'Details'</p> <p>The next day, check the repayment capital and interests</p> <p>A2A :After successful execution, CLM sends a BankToCustomerDebitCreditNotification (camt.054) message Local instrument proprietary Code word “MLRS”, “MLRR” for repayment and “MLIN” for interest, if subscribed, confirming the settlement of the credit on the MCA</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 Business validation is completed successfully,</li> <li>2 A positive credit notification message is sent to the CLM account holder.</li> </ol> <p>Additional preconditions include:</p> <p>A message subscription exists for payment notification for the CLM</p>

	Account Holder.
Expected results	Displaying the marginal lending set-up order, repayment and interests payment and its status
Test evidence	U2A: Screenshot of the MLOR in CLM MCA A2A: Copy of the notification message
Relevant Documentation	CLM UHB: 5.4.1 Standing Facilities – Query Screen 5.4.2 Standing Facilities – List Screen 5.2.1 CLM Cash Account Liquidity – Query Screen 5.2.2 CLM Cash Account Liquidity – Display Screen  CLM UDFS  5.6.2 Marginal lending on request 9.23.4 Process marginal lending on request - setting up order 9.23.7 Process marginal lending - reimbursement and interest
Related privileges	CLM_QueryStaFac

## 2.2 RTGS Account Holders

T2\_TC\_RTGS\_AH\_ID1 - Send Liquidity Credit Transfer camt.050

Test Case ID	T2_TC_RTGS_AH_ID1
Test case name	Send Liquidity Credit Transfer camt.050
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	LTO
Input mode	U2A or A2A
Mandatory	Yes

Detailed Description	<p>This test case describes the steps required to carry out a new liquidity transfer order from RTGS.</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. Select Liquidity → Liquidity Transfer – New Screen</li> <li>2. Enter the required details and press “Submit”.A2A</li> </ol> <p>1. The participant sends a camt.050 (to transfer liquidity from an RTGS DCA which passes technical and business validation.</p>
Preconditions/Details	<p>Both sending and receiving accounts exist and are activeThe sender has subscribed to the relevant messages Respective privileges have been granted to the sender.</p> <p>RTGS DCAs belong to the same Liquidity Transfer Group (applicable if receiving account is an RTGS DCA)</p>
Expected results	<p>The DCA of the recipient is credited and sender’s accounts is debited.A camt.025 message is returned by RTGS.</p>
Test evidence	<p>U2A: screenshot of the completed cash transfer.</p> <p>The user can verify the liquidity transfer order by going to Cash Transfers and Messages →Cash Transfers – Query Screen → [Submit],then clicking on the arrow icon, the ‘Cash Transfers – List Screen’ to expand the list to view the details.</p> <p>A2A: Copy of the message (camt.025) returned by RTGS</p>
Relevant Documentation	<p>RTGS UDFS</p> <p>5.5.2 Liquidity Transfer</p> <p>5.5.2.3 Liquidity transfer process</p> <p>RTGS UHB</p> <p>5.2.6 Liquidity Transfer – New Screen</p> <p>5.1.2 Cash Transfers – List Screen</p>
Related privileges	<p>RTGS Initiate immediate Liquidity Transfer</p> <p>RTGS Initiate immediate liquidity transfer to/from sub-account</p> <p>RTGS Query Cash Transfer</p> <p>RTGS Query Cash Transfer Detail</p>

#### T2\_TC\_RTGS\_AH\_ID2 - Receive Liquidity Credit Transfer camt.054

Test Case ID	T2_TC_RTGS_AH_ID2
Test case name	Receive Liquidity Credit Transfer camt.054



Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	LTO
Input mode	U2A or A2A
Mandatory	Conditional Required for participants using camt.054 messages
Detailed Description	In this test case, the RTGS account holder verifies and confirm the receipt of the LiquidityCreditTransfer camt.054 messages.
Preconditions/Details	Both sending and receiving accounts exist and are active Respective privileges have been granted to the sender. Sender has sent a liquidity transfer camt.050 message that has passed technical validation
Expected results	The DCA of the recipient is credited and sender's accounts is debited.  A camt.054 notification for the credit transfer is generated
Test evidence	U2A: A screenshot of the 'Cash Transfers – List Screen' and the details of the submitted liquidity transfer.
	A2A: copy of the camt.054
Relevant Documentation	RTGS UDFS 5.5.2 Liquidity Transfer 5.5.2.3 Liquidity transfer process  RTGS UHB 5.1.2 Cash Transfers – List Screen
Related privileges	RTGS Query Cash Transfer RTGS Query Cash Transfer Detail

#### T2\_TC\_RTGS\_AH\_ID3 - Receive Resolution Of Investigation camt.029

<b>Test Case ID</b>	<b>T2_TC_RTGS_AH_ID3</b>
Test case name	Receive Resolution Of Investigation camt.029
Relevant for	RTGS Account Holders
Domain	RTGS

Sub Domain	CTO
Input mode	A2A
Mandatory	Conditional Required for A2A users.
Detailed Description	<p>The camt.029 is used to negatively answer a recall message. Debtor does not get the funds back. The process is initiated by a participant A sending a PACS.008/PACS.009 to recipient B followed by a recall payment message (camt.056). Participant B then sends a camt.029 in response denying the payment recall. RTGS then forwards the reply to the RTGSAccount Holder (A) that requested the recall.</p> <p>The objective of this test case is for the participant A to verify and confirm the receipt of camt.029 message.</p>
Preconditions/Details	Participant A has sent a payment transfer Recipient B. Participant A has sent a PaymentCancellationRequest camt.056 message
	Participant B has responded to the recall message with a ResolutionOfInvestigation camt.029 message rejecting the request Participant A has subscribed to the relevant notification messages
Expected results	<p>A "Payment Acceptance recall Confirmation Notification" / Receipt (camt.025) is created and sent to the actor that sends the recall response. ResolutionOfInvestigation camt.029 message passes technical validation and sends the "Counterparty payment recall rejection"/ ResolutionOfInvestigation (camt.029) to the recall request submitting actor.</p>
Test evidence	Copy of the received camt.029 message
Relevant Documentation	<p>RTGS UDFS</p> <p>5.3.8 Payment order revocation and payment recall</p> <p>5.3.7 Payment order modification</p> <p>9.5 Reject or confirm payment order recall</p> <p>RTGS UHB</p> <p>5.1.8 Messages – List Screen</p>
Related privileges	RTGS Query Message

Test Case ID	T2_TC_RTGS_AH_ID4
Test case name	Send FinancialInstitutionCreditTransfer pacs.009.
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	CTO
Input mode	U2A or A2A
Mandatory	Yes
Detailed Description	<ol style="list-style-type: none"> <li>1. Fill in the mandatory sub-sections of the section 'FinancialInstitution Credit Transfer'.</li> <li>2. Click on the 'Submit' button. The notification area shows whether the submission of the credit transfer order has beencompleted</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. 1. A FinancialInstitutionCreditTransfer is submitted to RTGS byRTGS account holder (pacs.009).</li> </ol>
Preconditions/Details	<p>Both submitting and correspondent actors are valid RTGS accountholder. Instructing/Instructed Agents' RTGS accounts are open at payment'svalue date.</p> <p>The submitter must have a message subscription in place to receive the pacs.002</p>
Expected results	<p>The credit transfer passes business validation and is settled with the full amount.</p> <p>U2A:</p> <p>A notification is displayed confirming the Financial Institution Credit Transfer was successfully submitted.</p> <p>A2A:</p> <p>The Message passes business validation and it is settled with full amount.</p> <p>Payment order counterparty receives a forwarded payment message (pacs.009 "outbound").</p> <p>A positive PaymentStatusReport (pacs.002) notification is returned to the submitting actor if requested (if configured)</p> <p>Cash transfer Order is not subject to credit/debit notification, thereforethe process ends.</p>

Test evidence	<p>U2A: Screenshot of the Payment status in the transfer details in the queryscreen in Cash Transfers and Messages → Cash Transfers – QueryScreen.</p> <p>A2A: Copy of the pacs.009 message and copy of the returned Paymentstatus report pacs.002 message (if configured)</p>
Relevant Documentation	<p>RTGS UDFS</p> <p>12.4.4 FinancialInstitutionCreditTransfer (CORE and COV) (pacs.009)</p> <p>RTGS UHB</p> <p>5.7.4 Cash Transfer Order Totals by Status – List Screen</p> <p>5.1.7 Messages – Query Screen</p> <p>5.1.13 Financial Institution Credit Transfer – New</p>
Related privileges	<p>RTGS Enter Financial institution credit transfer (except mandated payments)</p> <p>RTGS Query Message</p> <p>RTGS Query Message Details</p> <p>RTGS Send Financial Institution Credit Transfer</p> <p>RTGS Send Financial Institution Credit Transfer (except mandated payments)</p>

#### T2\_TC\_RTGS\_AH\_ID5 - Receive Financial Institution Credit Transfer pacs.009

Test Case ID	T2_TC_RTGS_AH_ID5
Test case name	Receive Financial Institution Transfer pacs.009
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	CTO
Input mode	U2A or A2A
Mandatory	Yes
Detailed Description	<p>The objective of this test case is for participant B to verify and confirm that its account is credited and the receipt of a pacs.009 message following the sending of a FinancialInstitutionTransfer pacs.009 message from participant A.</p>

Preconditions/Details	Both submitting and correspondent actors are valid RTGS accountholder. Participant A has instructed pacs.009 credit transfer Instructing/Instructed Agents' RTGS accounts are open at payment's value date. The relevant message subscription must be in place.
Expected results	The account of participant B is credited. The payment message pacs.009 is forwarded to the credited participant B.
Test evidence	U2A: Screenshot of the received financial institution transfer in the transfer details of the query screen (Cash Transfers and Messages → Cash Transfers – Query Screen). A2A: Copy of the received pacs.009 message
Relevant Documentation	RTGS UHB 5.1.13 Financial Institution Credit Transfer – New Screen 6.1.9 Enter payment order – pacs.009  RTGS UDFS: 12.4.4 Financial Institution Credit Transfer (CORE and COV) (pacs.009)
Related privileges	RTGS Query Message RTGS Query Message Details

#### T2\_TC\_RTGS\_AH\_ID6 - Send Customer Credit Transfer pacs.008

Test Case ID	T2_TC_RTGS_AH_ID6
Test case name	Send Customer Credit Transfer pacs.008
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	CTO
Input mode	U2A or A2A
Mandatory	Yes

Detailed Description	<p>This test case describes the steps whereby participant A sends customer credit transfer order to participant B.</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. Select RTGS → Cash Transfers and Messages → CustomerCredit Transfer – New Screen</li> </ol>
	<ol style="list-style-type: none"> <li>2. Fill in the mandatory sub-sections of the section ‘Business Application Header’.</li> <li>3. Fill in the mandatory sub-sections of the section ‘FI To FI Customer Credit Transfer’.</li> <li>4. Optionally, fill in the additional sub-sections of the section ‘FI ToFI Customer Credit Transfer’</li> <li>5. Click on the ‘Submit’ button. The notification area shows whether the submission of the credit transfer order has beencompleted</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. A CustomerCreditTransfer pacs.008 is submitted to RTGS byRTGS account holder.</li> </ol>
Preconditions/Details	<p>Both submitting and correspondent actors are valid RTGS accountholder. Instructing/Instructed Agents' RTGS accounts are open at payment'svalue date.</p> <p>The relevant message subscription must be in place.</p> <p>Debited account has sufficient liquidity to settle the payment.</p>
Expected results	<p>The payment order passes validation before it is debited on the RTGS/HVP DCA of A and simultaneously credited on the RTGS/HVPDCA of B.</p> <p>U2A:</p> <p>A notification is displayed confirming the Customer Credit Transfer was successfully submitted</p> <p>A2A:</p> <p>Payment order counterparty receives a forwarded payment message (pacs.008 "outbound").</p> <p>A positive PaymentStatusReport (pacs.002) notification is returned to the submitting actor (if configured).</p> <p>Cash transfer Order is not subject to credit/debit notification, thereforethe process ends.</p> <p>Outbound message is forwarded to the counterparty (beneficiary actor).</p>

Test evidence	<p>U2A:</p> <p>Screenshot of the Payment status in the transfer details in the queryscreen in Cash Transfers and Messages → Cash Transfers – QueryScreen</p> <p>A2A:</p>
	Copy of the pacs.008 messaged and a copy of the returned Paymentstatus report pacs.002 message (if configured).
Relevant Documentation	<p>RTGS UHB</p> <p>5.1.12 Customer Credit Transfer – New Screen</p> <p>6.1.8 Enter payment order – pacs.008</p> <p>RTGS UDFS:</p> <p>12.4.3 CustomerCreditTransfer (pacs.008)</p>
Related privileges	<p>RTGS Enter customer Credit Transfer</p> <p>RTGS Query Message</p> <p>RTGS Query Message Details</p> <p>RTGS Send Customer credit transfers (except mandated payments)</p>

#### T2\_TC\_RTGS\_AH\_ID7 - Receive Customer Credit Transfer pacs.008

Test Case ID	T2_TC_RTGS_AH_ID7
Test case name	Receive Customer Credit Transfer pacs.008
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	CTO
Input mode	U2A or A2A
Mandatory	Yes
Detailed Description	<p>The objective of this test case is for participant B to verify and confirm that its account is credited and the receipt of a pacs.008 message following the sending of a CustomerCreditTransfer pacs.008 message from participant A.</p>

Preconditions/Details	Both submitting and correspondent actors are valid RTGS accountholder. Participant A has instructed pacs.008 credit transfer Instructing/Instructed Agents' RTGS accounts are open at payment'svalue date. The relevant message subscription must be in place.
Expected results	The account of participant B is credited. The payment message pacs.008 is forwarded to the credited participantB.
Test evidence	U2A: Screenshot of the received credit transfer in the transfer details of the query screen (Cash Transfers and Messages ➔ Cash Transfers – QueryScreen).  A2A: Copy of the returned CustomerCreditTransfer pacs.008 message.
Relevant Documentation	RTGS UHB 5.1.12 Customer Credit Transfer – New Screen 6.1.8 Enter payment order – pacs.008  RTGS UDFS: 12.4.3 CustomerCreditTransfer (pacs.008)
Related privileges	RTGS Query Message RTGS Query Message Details

#### T2\_TC\_RTGS\_AH\_ID8 - Send Financial Institution Direct Debit pacs.010

Test Case ID	T2_TC_RTGS_AH_ID8
Test case name	Send Financial Institution Direct Debit pacs.010.
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	CTO
Input mode	A2A
Mandatory	Conditional Required for Payment Banks that use pacs.010 messages and input viaA2A.



Detailed Description	<p>This test case describes the direct debit between two financial institutions where the business sender is authorised to debit the RTGSAccount of the business receiver.</p> <p>A2A</p> <p>1. A FinancialInstitutionDirectDebitorder is submitted to RTGS byRTGS account holder (pacs.010).</p>
Preconditions/Details	<p>Both submitting and correspondent actors are valid RTGS accountholder. Instructing/Instructed Agents' RTGS accounts are open at payment'svalue date.</p> <p>The relevant direct debit mandate must be in place.</p> <p>The relevant message subscription for pacs.002 must be in place.</p>
Expected results	<p>A2A:</p> <p>The Message passes business validation and it is settled with full amount.</p> <p>Payment order counterparty receives a forwarded direct debit message (pacs.010"outbound").</p> <p>A positive PaymentStatusReport (pacs.002) notification is returned to the submitting actor.</p> <p>Cash transfer Order is not subject to credit/debit notification, thereforethe process ends.</p>
Test evidence	Copy of the pacs.010 messaged and a copy of the returned Paymentstatus report pacs.002 message (if configured).
Relevant Documentation	<p>RTGS UDFS:</p> <p>12.4.5 FinancialInstitutionDirectDebit (pacs.010)</p> <p>9.2 Send RTGS message</p> <p>11.3 Usage of Messages</p>
Related privileges	RTGS Send Direct Debit

#### T2\_TC\_RTGS\_AH\_ID9 - Request payment order revocation

Test Case ID	T2_TC_RTGS_AH_ID9
Test case name	Request payment order revocation
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	CTO

Input mode	U2A or A2A
Mandatory	Yes
Detailed Description	<p>This test case describes the steps required for a AH (RTGS account holder A) user to revoke a queued payment order sent to a AH (RTGS account holder B)</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. Select the main menu entry 'Cash Transfers and Messages' and click on the submenu entry 'Query Cash Transfers'.</li> <li>2. Enter the relevant attribute values of the cash transfers that are to be displayed.</li> <li>3. Click on the 'Submit' button. ➔ The 'Cash Transfers – List Screen' opens. The list shows all cash transfers matching the entered search criteria</li> <li>4. Select one or more cash transfer order(s) that are to be revoked. Right-click on the selected item(s) and select the context menu entry 'Revoke'. A confirmation pop-up opens showing details of the selected cash transfer order(s).</li> <li>5. Click on the 'Yes' button to confirm the revocation of the cash transfer order(s).</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. The revocation process starts by sending camt.056 and successful business validation (RTGS validates the message and checks whether the payment order has been settled or not)</li> <li>2. RTGS revokes payment order if it is not settled.</li> </ol>
Preconditions/Details	<p>Revoking cash transfer orders is only possible for cash transfer orders (pacs.004, pacs.008 or pacs.009) with the status 'Warehoused', 'Earmarked' or 'Queued' and for AS transfer orders with AS settlement procedure 'E'</p> <p>Queued payment (not settled) order exists in RTGS.</p> <p>Message subscription for pacs.008 must be created.</p>

Expected results	<p>U2A:</p> <p>The user returns to the ‘Cash Transfers – List Screen’. The notification area shows whether the submission of the data has been completed.</p> <p>A2A:</p> <p>payment order revoked - payment order revocation execution notification sent (camt.029)</p> <p>payment order revocation notification sent (pacs.002)</p> <p>sub process resolve queue from perform standard RTGS settlement.</p> <p>Pacs.002 message is received</p>
Test evidence	<p>U2A: Screenshot of the notification confirming the revoked payment.</p> <p>A2A: Copy of the pacs.002</p>
Relevant Documentation	<p>UDFS RTGS</p> <p>5.3.7 Payment order modification</p> <p>UHB RTGS:</p> <p>6.1.3 Revocation of payment</p>
Related privileges	RTGS Revoke payment Order

#### T2\_TC\_RTGS\_AH\_ID10 - Send Payment Return pacs.004

Test Case ID	T2_TC_RTGS_AH_ID10
Test case name	Send Payment Return pacs.004
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	CTO
Input mode	U2A or A2A
Mandatory	<p>Conditional</p> <p>Required for participants using pacs.004 messages</p>

Detailed Description	<p>This test case describes the scenario whereby a Payment return instruction is initiated by a direct participant B to direct participant A.</p> <p>U2A</p> <ol style="list-style-type: none"> <li>1. The direct participant B initiates a liquidity transfer with the pacs.004 information through the GUI payment order screen.</li> </ol> <p>A2A.</p> <ol style="list-style-type: none"> <li>1. The direct participant B generates a pacs.004 message in favour of A for execution of a return booking in the RTGS/HVP service</li> </ol>
Preconditions/Details	<p>Both submitting and correspondent actors are valid RTGS account holder.</p> <p>Instructing/Instructed Agents' RTGS accounts are open at payment's value date. The relevant message subscription must be in place</p>
Expected results	<p>The Message passes business validation and it is settled with full amount.</p> <p>U2A:</p> <p>A notification is displayed confirming the payment return was successfully submitted.</p> <p>A2A:</p> <p>Payment order counterparty receives a forwarded payment message (pacs.004 "outbound").</p> <p>A positive PaymentStatusReport (pacs.002) notification is returned to the submitting actor (if requested)</p> <p>Cash transfer Order is not subject to credit/debit notification, therefore the process ends.</p> <p>Outbound message is forwarded to the counterparty (beneficiary actor).</p>
Test evidence	<p>U2A</p> <p>Screenshot of the Payment status in the Cash Transfers and Messages &gt;&gt; Cash Transfers – Query Screen</p> <p>A2A</p> <p>Copy of the pacs.004 and copy of the pacs.002 if requested.</p>
Relevant Documentation	<p>RTGS UDFS</p> <p>12.4.2 PaymentReturn (pacs.004)</p> <p>RTGS UHB</p> <p>5.7.5 Cash Transfer Order Subtotals by Status – List Screen</p>
Related privileges	RTGS Initiate Payment Return

## T2\_TC\_RTGS\_AH\_ID11 - Receive Payment Return pacs.004

Test Case ID	T2_TC_RTGS_AH_ID11
Test case name	Receive Payment Return pacs.004
Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	CTO
Input mode	U2A or A2A
Mandatory	Yes
Detailed Description	The objective of this test case is for participant A to verify that its account is credited
Preconditions/Details	A payment order was initiated by participant A A PaymentReturn pacs.004 message was initiated by participant B
Expected results	Participant A is credited and receives the pacs.004 message
Test evidence	U2A Screenshot of the Payment status in the Cash Transfers and Messages → Cash Transfers – Query from the counter party  A2A Copy of the received pacs.004 message by the counterparty
Relevant Documentation	RTGS UDFS 12.4.2 PaymentReturn (pacs.004)  RTGS UHB 5.7.5 Cash Transfer Order Subtotals by Status – List Screen
Related privileges	RTGS Query Message RTGS Query Message Details

## T2\_TC\_RTGS\_AH\_ID12 - Receive Financial Institution Credit Transfer pacs.010

Test Case ID	T2_TC_RTGS_AH_ID12
Test case name	Receive Financial Institution Transfer pacs.010
Relevant for	RTGS Account Holders

Domain	RTGS
Sub Domain	CTO
Input mode	U2A or A2A
Mandatory	COND
Detailed Description	The goal of this test case is for participant B to verify and confirm that its account is debited and the receipt of a pacs.010 message following the sending of a FinancialInstitutionTransfer pacs.010 messagefrom participant A.
Preconditions/Details	Both submitting and correspondent actors are valid RTGS accountholder. Participant A has instructed pacs.010 credit transfer Instructing/Instructed Agents' RTGS accounts are open at payment'svalue date. The relevant direct debit mandate must be in place. The relevant message subscription must be in place.
Expected results	The account of participant B is debited. A positive PaymentStatusReport (pacs.002) notification is returned to the submitting actor.  The payment message pacs.010 is forwarded to the debited participantB.
Test evidence	U2A: Screenshot of the received financial institution direct debit in the transfer details of the query screen (Cash Transfers and Messages → Cash Transfers – Query Screen). A2A: Copy of the received pacs.010 message
Relevant Documentation	RTGS UDFS: 12.4.5 FinancialInstitutionDirectDebit (pacs.010) 9.2 Send RTGS message 11.3 Usage of Messages
Related privileges	RTGS Send direct debit

#### T2\_TC\_RTGS\_AH\_ID13 - Statement of account

Test Case ID	T2_TC_RTGS_AH_ID13
Test case name	Statement of account

Relevant for	RTGS Account Holders
Domain	RTGS
Sub Domain	Query
Input mode	U2A, A2A
Mandatory	YES
Detailed Description	<p>This test case describes the verification that a CAMT.053 statement of account is received by a RTGS account holder's DCA or the displaying of statement of account in RTGS GUI</p> <p>U2A : The RTGS account holder user can verify the availability of the statement of account by displaying</p> <p>Cash Transfers and Messages &gt;&gt; Messages – Query Screen Message type : Bank To Customer Statement (camt.053)</p> <p>A2A :At End of Day event, RTGS sends a BankToCustomerStatement (camt.053 message, if subscribed.</p> <p>The report “statement of accounts” includes information on one single cash account of a RTGS Actor ; It is provided as a complete report ; A generated report is available for query until it is replaced by a new version of it</p>
Preconditions/Details	<p>Before the verification, the following steps are required:</p> <ol style="list-style-type: none"> <li>1 Cash and liquidity transfers settled during business day</li> <li>2 Configuration of report “statement of account” in CRDM</li> <li>3 Sending of the report by RTGS during Eod Period</li> </ol>
Expected results	Displaying the statement of account in UtoA and/or receiving CAMT053 statement of account
Test evidence	<p>U2A: Screenshot of the SoA</p> <p>A2A: Copy of the CAMT053 message</p>
Relevant Documentation	<p>RTGS UHB:</p> <p>5.1.7 Messages – Query Screen</p> <p>5.1.8 Messages – List Screen</p> <p>5.1.9 Messages – Details Screen</p> <p>RTGS UDFS</p> <p>5.6.2 RTGS Report generation</p> <p>5.6.3 Query management for RTGS</p> <p>CRDM UDFS, chapter "<i>Report Configuration - New</i>" and chapter "<i>Report configuration</i>"</p>
Related privileges	RTGS_QueryMsg

## T2\_TC\_RTGS\_AH\_ID14 - Recourse to a deposit facility

Test Case ID	T2_TC_RTGS_AH_ID14
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Test case name	Recourse to a deposit facility
Relevant for	RTGS Account Holder
Domain	RTGS
Sub Domain	SF
Input mode	U2A or A2A
Mandatory	Conditional: only required for payment banks with overnight deposit facility
Detailed Description	<p>This test case describes how to make an overnight deposit with the respective central bank of a CLM account holder.</p> <p>U2A:</p> <ol style="list-style-type: none"> <li>1. Select Liquidity ➔ and click on the sub-menu entry 'New Liquidity Transfer'</li> <li>2. Enter the account number of the debit account. This can be the account number of the MCA, the RTGS DCA, the TIPS Account or the RTGS sub-account of the CLM account holder requesting the overnight deposit.</li> <li>3. Enter the account number of the credit account. This has to be the account number of the Overnight Deposit Account owned by the Central Bank and opened in the name of the respective CLM account holder requesting the overnight deposit.</li> <li>4. Enter the amount that is to be transferred and provide an end-to-end identification for the liquidity transfer order</li> <li>5. Click on the 'Submit' Button in order to submit the liquidity transfer order.</li> <li>6. The next day, check the repayment capital and interests on the MCA account</li> </ol> <p>A2A</p> <ol style="list-style-type: none"> <li>1. The camt.050 message is sent by a payment bank to CLM to fund its own OD account.</li> <li>2. Next day, payment bank receives a CAMT.054 if subscribed for repayment with Local instrument proprietary / Code word ODRF and CAMT054 with Local instrument proprietary / Code word ODIN for interests payment</li> </ol>
Preconditions/Details	<p>Sufficient liquidity on the account to be debited.</p> <p>The account holder opted to receive a confirmation message camt.054. The CB has created a separate overnight deposit account per monetary policy counterparty using the overnight deposit functionality</p>



Expected results	U2A: notification area shows whether the submission of the data has been completed
	A2A: Successful camt.054 is received
Test evidence	U2A: screenshot of the notification area A2A: copy of the successful camt.054
Relevant Documentation	CLM UHB 6.2.5 Enter overnight deposit  CLM UDFS 9.24 Processing of standing facilities 9.24.1 Process overnight deposit - setting up order 9.24.2 Process overnight deposit - reverse order
Related privileges	CLM Initiate Overnight Deposit

## 2.3 Ancillary Systems and Settlement Banks

### T2\_TC\_AS\_ID1 - AS settlement procedure A

Test Case ID	T2_TC_AS_ID1
Test case name	AS settlement procedure A
Relevant for	AS, SB
Domain	RTGS
Sub Domain	ASP-A
Input mode	A2A
Mandatory	Conditional Required for AS using settlement procedure A
Detailed Description	<p>Procedure A: Debits First</p> <p>This test describes procedure A whereby an Ancillary System, allowed to use procedure A, sends an AS TransferInitiation pain.998 with all multilateral balances to be debited and credited on the AS settlement banks' RTGS DCAs/RTGS CB Accounts. RTGS settles all debits before settling the credits.</p>

Preconditions/Details	<ul style="list-style-type: none"> <li>- Business validations, blocked accounts, information period are validated positively and /or applied correctly.</li> <li>- If subscribed to this message, the payment bank or CB will receive a camt.054</li> <li>- the usage of the AS technical account is mandatory</li> </ul>
Expected results	<p>All individual orders are settled against the technical account of the AS</p> <p>RTGS processes all credits. The AS settlement banks are informed via a credit notification (<a href="#">BankToCustomerDebitCreditNotification (camt.054)</a>) on an optional basis.</p> <p>After all AS transfers have been settled the ancillary system (or the relevant CB on its behalf) receives a notification (<a href="#">ASInitiationStatus(pain.998)</a>, confirming the settlement of the entire ASbatch message.</p>
Test evidence	AS : Copy of the pain.998 ASInitiationStatus
Relevant Documentation	<p>RTGS UDFS</p> <p>5.4.2 AS settlement procedure A</p> <p>12.5.3 ASTransferInitiation (pain.998)</p> <p>RTGS UHB</p> <p>5.4 Ancillary System</p> <p>6.4.11 Revoke AS batch</p> <p>6.4.12 Release AS batch / AS transfer order of blocked party</p>
Related privileges	<p>RTGS Query AS Batches</p> <p>RTGS send new AS transfer Initiation</p>

## T2\_TC\_AS\_ID2 - AS settlement procedure B

Test Case ID	T2_TC_AS_ID2
Test case name	AS settlement procedure B
Relevant for	AS, SB
Domain	RTGS
Sub Domain	ASP-B
Input mode	A2A
Mandatory	Conditional Required for AS using settlement procedure B and Settlement Banks
Detailed Description	<p>Procedure B: All or nothing</p> <p>This test describes procedure B whereby an ancillary system sends to RTGS both debit and credit AS transfer orders for settlement. RTGS settles all debit and credit AS transfer orders simultaneously if possible. No settlement takes place when simultaneous settlement of all debit and credit AS transfer orders is not possible.</p> <p>Steps:</p> <ol style="list-style-type: none"> <li>1. An Ancillary System, allowed to use procedure B, sends an AS TransferInitiation pain.998 with all multilateral balances to be debited and credited on the AS settlement banks' RTGS DCAs/RTGS CB Accounts</li> </ol>
Preconditions/Details	<p>Business validations, blocked accounts, information period are validated positively and /or applied correctly.</p> <p>If subscribed to this message, the payment bank or CB will receive a camt.054</p> <p>The usage of the AS technical account is mandatory</p>
Expected results	<p>All individual orders are settled against the technical account of the AS</p> <p>RTGS processes all debits/credits. The AS settlement banks are informed via a credit or debit notification</p> <p>(<a href="#">BankToCustomerDebitCreditNotification (camt.054)</a>) on an optional basis.</p> <p>After all AS transfers have been settled the ancillary system (or the relevant CB on its behalf) receives a notification (<a href="#">ASInitiationStatus(pain.998)</a>, confirming the settlement of the entire ASbatch message.</p>

Test evidence	AS : Copy of the pain.998 ASInitiationStatus
Relevant Documentation	RTGS UDFS 5.4.3 AS settlement procedure B 12.5.3 ASTransferInitiation (pain.998)  RTGS UHB 5.4 Ancillary System 6.4.11 Revoke AS batch 6.4.12 Release AS batch / AS transfer order of blocked party
Related privileges	RTGS Send new AS Transfer Initiation

#### T2\_TC\_AS\_ID3 - AS settlement procedure C

Test Case ID	T2_TC_AS_ID3
Test case name	AS settlement procedure C
Relevant for	AS, SB
Domain	RTGS
Sub Domain	ASP-C
Input mode	A2A
Mandatory	Conditional Required for AS using settlement procedure C
Detailed Description	<p>Procedure C: Transfer order on sub-accounts:</p> <p>This test describes the AS settlement procedure C whereby an AS settlement bank dedicates liquidity for the settlement of AS transfer orders from a specific ancillary system. They achieve this by allocating the needed liquidity to a specific sub-account. AS settlement procedure C uses a mandatory procedure (triggered by RTGS event ““Execution ofstanding orders in RTGS” of new business day) and allows ancillary systems to execute optional procedure(s) (the ancillary system or CB onbehalf sends a message <a href="#">(ReturnGeneralBusinessInformation (camt.021))</a> indicating the start of the optional procedure.</p>
Preconditions/Details	<p>One or more sub-accounts created by AS settlement bank</p> <p>Required liquidity allocated to sub-account</p> <p>The AS has an AS technical account</p>

Expected results	<p>All individual orders are settled against the technical account of the AS</p> <p>RTGS processes all credits. The AS settlement banks are informed via a credit notification (<a href="#">BankToCustomerDebitCreditNotification (camt.054)</a>) on an optional basis.</p> <p>After all AS transfers have been settled the ancillary system (or the relevant CB on its behalf) receives a notification (<a href="#">ASInitiationStatus(pain.998)</a>, confirming the settlement of the entire ASbatch message.</p>
Test evidence	AS : Copy of the pain.998 ASInitiationStatus
Relevant Documentation	<p>RTGS UDFS</p> <p>5.4.4.1 AS settlement procedure C</p> <p>12.5.3 ASTransferInitiation (pain.998)</p> <p>RTGS UHB</p> <p>5.4 Ancillary System</p>
Related privileges	<p>RTGS Send new AS Transfer Initiation</p> <p>RTGS Ancillary System Procedure C – Start/End of Cycle (ReturnGeneralBusinessInformation)</p> <p>RTGS Initiate immediate Liquidity Transfer</p>

#### T2\_TC\_AS\_ID4 - AS settlement procedure D

Test Case ID	T2_TC_AS_ID4
Test case name	AS settlement procedure D
Relevant for	AS, SB
Domain	RTGS
Sub Domain	ASP-D
Input mode	A2A
Mandatory	<p>Conditional</p> <p>Required for AS using settlement procedure D</p>

Detailed Description	<p>Procedure D: Transfer Orders on a Technical Account</p> <p>This AS settlement procedure allows an AS settlement bank to dedicate liquidity for the settlement of a specific ancillary system. The AS settlement bank achieves this by allocating the needed liquidity to the respective AS technical account. AS settlement procedure D uses the mandatory procedure (triggered by RTGS event ““Execution of standingorders in RTGS” of new business day). This procedure is meant for the AS which are responsible for real time settlement (i.e. instant payments).</p>
Preconditions/Details	The AS has an AS technical account
Expected results	After all AS transfers have been settled the ancillary system (or the relevant CB on its behalf) receives a notification ( <a href="#">ASInitiationStatus(pain.998</a> , confirming the settlement of the entire ASbatch message.
Test evidence	AS : Copy of the pain.998 ASInitiationStatus
Relevant Documentation	<p>RTGS UDFS</p> <p>5.4.4.2 AS settlement procedure D</p> <p>12.5.3 ASTransferInitiation (pain.998)</p> <p>RTGS UHB</p> <p>5.4 Ancillary System</p> <p>5.4.15 Linked AS Technical Accounts Procedure D – Query Screen</p> <p>5.4.17 Liquidity Transfer to Technical Account Procedure D – New Screen</p>
Related privileges	<p>RTGS Send new AS Transfer Initiation</p> <p>RTGS Liquidity Adjustment (Ancillary System Settlement Procedure D)</p>

#### T2\_TC\_AS\_ID5 - AS settlement procedure E

Test Case ID	T2_TC_AS_ID5
Test case name	AS settlement procedure E
Relevant for	AS, SB
Domain	RTGS
Sub Domain	ASP-E
Input mode	A2A
Mandatory	<p>Conditional</p> <p>Required for AS using settlement procedure E</p>

Detailed Description	<p>Procedure E: Bilateral settlement</p> <p>With the AS settlement procedure E, Ancillary systems can benefit of the bilateral settlement of simultaneously sent debits and credits that shall be processed independently from each other.</p> <p>1. An Ancillary System sends a pain.998_TransferInitiation message which passes the technical validation.</p>
Preconditions/Details	<p>An Ancillary System, with proper privileges and using procedure E, hassent a pain.998_TransferInitiation message which has passed the technical validation</p> <p>All accounts belong to the same Settlement Bank Account Group.</p> <p>Appropriate subscription for camt.054 was set up by at least one Settlement Bank</p> <p>RTGS UDFS (section 5.4.5) <i>it is recommended to use a dedicated technical account for procedure E for segregation purposes.</i></p>
Expected results	<p>The pain.998_TransferInitiation message passes the business validationand it is submitted to settlement.</p> <p>During the process "Perform standard RTGS settlement" the AS transferorder is settled so the AS receives single notifications pain_998_ASInitiationStatus (AS transfer order settlement notification) Group Status=ASCD.</p> <p>Credited/Debited Settlement Banks receive a camt.054 BankToCustomerDebitCreditNotification message (local instrument ASTI) when opting for them</p>
Test evidence	AS : Copy of the pain.998 ASInitiationStatus

Relevant Documentation	RTGS UDFS 5.4.5 AS settlement procedure E  RTGS UHB 5.4 Ancillary System
Related privileges	RTGS Send new AS Transfer Initiation

## T2\_TC\_AS\_ID6 - Triggering of guarantee funds mechanism

Test Case ID	T2_TC_AS_ID1
Test case name	Triggering of guarantee funds mechanism
Relevant for	AS B / SB
Domain	RTGS
Sub Domain	ASP-B
Input mode	A2A
Mandatory	Conditional Required for AS using settlement procedure B The AS has opted for the guarantee fund mechanism
Detailed Description	<p>1) Model A (not used for AS FR)</p> <ul style="list-style-type: none"> <li>- At the end of the settlement period : the AS order of the defaulting participant is rejected, all the other debits of the AS are settled, the credits of the AS are earmarked (the settled AS orders receive a camt.054 if subscribed)</li> <li>- The AS receives a ASInitiationStatus with the Group Status «PART» and the file has the status «On guarantee mechanism».</li> <li>- The AS triggers the guarantee mechanism by sending the Receipt Guarantee (camt.025) in A2A</li> <li>- The AS order of the defaulting participant is replaced by an AS order whose debit account is the Guarantee Account, the credits are settled ( the settled AS orders trigger a camt.054 if subscribed)</li> </ul> <p>2) Model B</p> <ul style="list-style-type: none"> <li>- At the end of the settlement period : a participant has not received the funds ( the defaulting participant) =&gt; all the AS orders of the AS are rejected, and all the AS orders are recreated immediately (but with the functionality of a model A), without information period and settlement period : the debits are settled immediately, the operation of the defaulting participant is rejected, the credits are earmarked ((the settled AS orders receive a camt.054 if subscribed)</li> <li>- The AS receives a ASInitiationStatus with the Group Status «PART» and the file has the status «On guarantee mechanism».</li> <li>-The AS triggers the guarantee mechanism by sending the Receipt Guarantee (camt.025) in A2A</li> <li>- The AS order of the defaulting participant is replaced by an AS order whose debit account is the Guarantee Account, the credits are settled ( the settled AS orders receive a camt.054 if subscribed)</li> </ul>



Preconditions/Details	<ul style="list-style-type: none"> <li>- Business validations = OK</li> <li>- (information period = optional)</li> <li>- settlement period = mandatory</li> <li>- the AS has opted for the guarantee mechanism</li> <li>- If subscribed to this message, the payment bank or CB will receive acamt.054</li> <li>- One of the SB of the AS hasn't funds to settle the AS order (the defaulting participant)</li> <li>- The guarantee account has enough funds to settle the AS order on behalf of the defaulting participant</li> </ul>
Expected results	<p>All individual orders are settled against the technical account of the AS</p> <p>The AS settlement banks are informed via a debit/credit notification (<a href="#">BankToCustomerDebitCreditNotification (camt.054)</a> on an optional basis.</p> <p>Nota Bene = the AS order of the defaulting participant is rejected, but when the guarantee mechanism is triggered, a new operation is created where the debit account (the defaulting participant) is replaced by the guarantee account</p> <p>After all AS transfers have been settled the ancillary system (or the relevant CB on its behalf) receives a notification (<a href="#">ASInitiationStatus(pain.998)</a>, confirming the settlement of the entire ASbatch message (statut ACSC).</p>
Test evidence	AS : Copy of the pain.998 ASInitiationStatus
Relevant Documentation	<p>RTGS UDFS</p> <p>5.4.6.4 Guarantee Fund mechanism</p> <p>RTGS UHB</p> <p>5.4 Ancillary System</p> <p>6.4.6 Display AS batch liquidity summary for guarantee mechanism</p>
Related privileges	<p>RTGS Query AS Batches</p> <p>RTGS send new AS transfer Initiation</p>