



TARGET-PT

USER TESTING GUIDE

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Version Control

Date	Version	Comments
29/11/2021	1.0	First version of the document.
04/04/2022	2.0	<p>The following changes were introduced:</p> <ul style="list-style-type: none"> - Chapter 1.1: note about the temporary change of the business day schedule; - Chapter 1.3: changes to the certification test cases; - Chapter 1.4: inclusion of the documentation produced by Banco de Portugal; - Chapter 2.2.1: change of the test cases CRDM.U2A.010 - Standing Liquidity Transfer Order for CLM and CRDM.U2A.011 - Standing Liquidity Transfer Order for RTGS; inclusion of the test cases CRDM.U2A.016 – Create DN-BIC Routing and CRDM.U2A.017 – Create Routing; - Chapter 2.4.1: change to the test case: RTGS.U2A.004 - Process payment recall (pacs.004); - Chapter 2.4.2: change to the test case RTGS.A2A.013 - AS Settlement; - Chapter 3: reference to the document with FAQs.
08/08/2022	3.0	<p>The following changes were introduced:</p> <ul style="list-style-type: none"> - Chapter 1.1: note about the temporary change of the business day schedule was adjusted. - Chapter 1.4: update of the available documentation; - Chapter 2.5: improvement of the test cases description; - Inclusion of Chapter 2.8: interaction with T2S – TARGET2-Securities; - Inclusion of Chapter 2.9: interaction with TIPS - TARGET Instant Payments Settlement.
01/07/2023	4.0	Overall document revision to adapt it to CLM, RTGS, T2S and TIPS participants.
29/04/2024	5.0	<p>The following changes were introduced:</p> <ul style="list-style-type: none"> - Chapter 2.2: inclusion of the test case “CRDM.A2A.002 - Receive TIPS Directory”; - Chapter 2.9: modification of the test case “TIPS.U2A.007 – Query instant payment status” and inclusion of the test case “TIPS.A2A.013 – Receive TIPS Statement of Accounts”.
16/09/2024	6.0	<p>The following changes were introduced:</p> <ul style="list-style-type: none"> - Inclusion of information about the test evidences required; - Revision of the chapter 1.3; - Chapter 2.2: inclusion of the test case “CRDM.U2A.0023 – Manage CMB limit”; - Chapter 2.9: inclusion of the test cases “TIPS.U2A.008 - Query the details of a Credit Memorandum Balance (CMB)”, “TIPS.U2A.009 – Block/Unblock CMB”, “TIPS.U2A.010 - Change the CMB limit”, “TIPS.A2A.014 – Query the details of a CMB”, “TIPS.A2A.015 - Block/Unblock CMB” and “TIPS.A2A.016 – Change the CMB limit”.

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1 Introduction

Testing activities are a critical activity for the participants to be technically and operationally prepared for their participation in the desired TARGET Service(s).

To support the new participants in the Portuguese community with the testing activities, Banco de Portugal have created this document, the TARGET-PT User Testing Guide. The guide provides:

- (i) general information on the user testing, concerning the availability of the test environment, testing reporting, documentation and contacts;
- (ii) a detailed description of test cases that can be performed in order to get acquainted with the main functionalities of the different services and components. The tests should be performed according to the usage cases envisaged for production, and they cover service functionalities for Central Liquidity Management (CLM), Real Time Gross Settlement (RTGS), TARGET2 Securities (T2S) and TARGET Instant Payment Settlement (TIPS). We also created test cases for components that are used across the different TARGET services, namely for Common Reference Data Management (CRDM), Enhanced Contingency Solution II (ECONSII), Business Day Management (BDM), Data Warehouse (DWH).

Among the test cases described, there are test cases that are mandatory in order for the institution to get the User Testing certification, being a precondition for the go-live. Test cases that are not mandatory do not have to be done or reported to Banco de Portugal but we highly recommend participants to perform the tests for the functionalities that will be used in production, in order to ensure the acquaintance with these procedures.

All tests should be performed in the TARGET user testing environment (TARGET UTEST).

1.1 Availability of the test environment (calendar and schedule)

The TARGET UTEST environment is available between 07:00 and 19:00 CET, from Monday to Friday, except:

- on the TARGET holidays (1st January, Good Friday, Easter Monday, 1st May, 25th December, 26th December);
- on the 24th December and 31st December.

Further unavailability days will be communicated in advance.

ECONSII is open for testing on Thursdays, between 09h00 and 12:00 CET.

It should be noted that T2S and TIPS testing environments (T2S and TIPS UTEST) were connected to TARGET UTEST just after the 15th July 2022. The following schedules are applicable¹:

Business day stage	From Monday to Thursday*	Friday*
[RTGS] Start of Real-Time Settlement (RTS) II / Settlement window for interbank and customer payments	06H30	06H30
[T2S] Delivery-versus-Payment cut-off	14H30	12H30
[T2S] Auto-collateralization reimbursement	15H00	13H00
[T2S] Bilaterally Agreed Treasury Management (BATM) and Central Bank Operations (CBO) cut-off	16H10	13H40
[RTGS] Cut-off for customer payments	15H30	13H45
[T2S] Inbound liquidity transfers cut-off / Optional Cash sweep	16H15	13H45
[CLM] Cut-off for CLM RTS [RTGS] Interbank cut-off (Cut-off for RTS II) and execution of Standing Orders after last settlement attempt (RCII/RLSO) [T2S] Free-of-Payment cut-off	16H30	14H00
[CLM] Start of EoD processing (CEOD) [RTGS] Start of EoD processing (REOD)	16H30	14H00
[CLM] Cut-off for standing facilities	16H45	14H15
[RTGS CLM T2S TIPS] Change of business date		
[RTGS CLM T2S] <i>Start of Day</i>	17H15	14H45
[CLM] <i>Start of RTS</i>	17H30	15H00
[CLM] <i>Execution of standing orders</i> [RTGS] <i>Start of RTGS RTS I and execution of Standing Orders (RESO)</i>	18H00	15H30
[T2S] <i>Start of Night-time Settlement</i>	18H15	15H45
[RTGS CLM T2S] <i>End of testing</i>	19H00	19H00

(*) **Note:** The business day schedule applicable in each day can be queried in the Business Day Management (BDM).

1.2 Preconditions to start testing

The following steps have to be concluded before the start of the user testing:

- 1) E-order the network service provider's services for the connection to ESMIG;
- 2) Test the connection to ESMIG, in User-to-Application (U2A) and/or Application-to-Application (A2A) mode, as applicable;

¹ The business day schedule applicable in each day can be queried in the Business Day Management (BDM).

- 3) Send the registration form for UTEST to Banco de Portugal;
- 4) Validate the configuration performed by Banco de Portugal based on the registration forms.

1.3 Reporting of test results and certification

While the realization of all test cases relevant to the participants (depending on their business cases), allow to understand and get acquainted with the main functionalities of the new TARGET services, the certification test cases defined by the Eurosystem are only a limited subset of the test cases presented in this document. Hence, it is only mandatory to report to Banco de Portugal the test cases listed below² (if applicable to the participant business case):

Service	Mandatory test	To be performed in mode:	Notes
CRDM	Access Rights Management - Create Certificate DN	U2A	Mandatory for all DCA holders and TIPS DCA holder responsible for Reachable Parties (for reachable parties functionalities).
CRDM	Access Rights Management - Create User Certificate DN Link	U2A	Mandatory for all DCA holders TIPS DCA holder responsible for Reachable Parties (for reachable parties functionalities).
CRDM	Message Configuration	U2A	Mandatory for DCA holders with an A2A connection.
CRDM	Report configuration	U2A	Mandatory for DCA holders with an A2A connection.
CLM	Query available liquidity	U2A or A2A	Mandatory for all DCA holders.
CLM	Process liquidity transfer order between two MCAs	U2A or A2A	Mandatory for participants with at least two MCAs.
CLM	Send liquidity transfer order	U2A or A2A	Mandatory to all DCA Holders.
CLM	Send liquidity transfer order	U2A or A2A	Mandatory for all DCA holders.
CLM	Verify Credit line increase	U2A or A2A	Mandatory only for MCA holders with a credit line.
CLM	Process a deposit facility	U2A or A2A	Mandatory only for MCA holders with an overnight deposit account.
RTGS	Process customer payment - pacs.008	U2A or A2A	Mandatory for all RTGS DCA holders.
RTGS	Receive customer payment - pacs.008	U2A or A2A	Mandatory for all RTGS DCA holders.
RTGS	Process interbank payment - pacs.009	U2A or A2A	Mandatory for all RTGS DCA holders.
RTGS	Receive interbank payment - pacs.009	U2A or A2A	Mandatory for all RTGS DCA holders.

² As far as the TIPS test cases are concerned, the ancillary system cases have not been included, since it is not expected that we will have more ancillary systems in TIPS. However, the test cases can be found in the “TIPS Certification test cases” document.

RTGS	Process direct debit - pacs.010	A2A	Mandatory only if the RTGS DCA holder was granted a direct debit authorisation.
RTGS	Receive Resolution of investigation - camt.029	A2A	Mandatory for all RTGS DCA holders.
RTGS	Process payment recall - pacs.004	U2A, A2A	Mandatory only if the RTGS DCA holder uses pacs.004.
RTGS	Receive pacs.004 - PaymentReturn	U2A or A2A	Mandatory for all RTGS DCA holders.
RTGS	Send liquidity transfer order	U2A or A2A	Mandatory for all RTGS DCA holders.
RTGS	Receive liquidity transfer order	U2A or A2A	Mandatory for all RTGS DCA holders.
RTGS	Payment revocation	U2A or A2A	Mandatory for all RTGS DCA holders.
RTGS	AS settlement - procedure A	A2A	Mandatory for ancillary systems using procedure A.
RTGS	AS settlement - procedure B	A2A	Mandatory for ancillary systems using procedure B.
RTGS	AS settlement - procedure C	A2A	Mandatory for ancillary systems using procedure C.
RTGS	AS settlement - procedure D	A2A	Mandatory for ancillary systems using procedure D.
RTGS	AS settlement - procedure E	A2A	Mandatory for ancillary systems using procedure E.
T2S	Access to T2S	U2A	Mandatory for all T2S DCA holders.
T2S	Send liquidity transfer order	U2A or A2A	Mandatory for all T2S DCA holders.
T2S	Receive liquidity transfer order	A2A	Mandatory for all T2S DCA holders.
T2S	Receive T2S Statement of Accounts	A2A	Mandatory for all T2S DCA holders.
TIPS	Access to TIPS	U2A	Mandatory for all TIPS DCA holders.
TIPS	Query available liquidity	U2A or A2A	Mandatory for all TIPS DCA holders.
TIPS	Send liquidity transfer order	U2A or A2A	Mandatory for all TIPS account holders.
TIPS	Process a liquidity transfer order between a TIPS DCA and an Ancillary System Technical Account	U2A and A2A	Mandatory for all TIPS DCA holders, with an active business relationship with a TIPS Ancillary System.
TIPS	Receive liquidity transfer order	U2A or A2A	Mandatory for all TIPS DCA holders
TIPS	Send an instant payment	A2A	Mandatory for all TIPS DCA holders and TIPS DCA holder responsible for Reachable Parties (for reachable parties functionalities).
TIPS	Send a recall request	A2A	Mandatory for all TIPS DCA holders and TIPS DCA holder responsible for Reachable Parties (for reachable parties functionalities).
TIPS	Query an instant payment status	U2A and A2A	Mandatory for all TIPS DCA holders and TIPS DCA holder responsible for

			Reachable Parties (for reachable parties functionalities).
TIPS	Receive an instant payment	A2A	Mandatory for all TIPS DCA holders and TIPS DCA holder responsible for Reachable Parties (for reachable parties functionalities).
TIPS	Accept a recall request	A2A	Mandatory for all TIPS DCA holders and TIPS DCA holder responsible for Reachable Parties (for reachable parties functionalities)..
TIPS	Block/Unblock CMB	U2A	Mandatory for all TIPS DCA holders responsible for Reachable Parties.
TIPS	Change CMB Limit	U2A and A2A	Mandatory for all TIPS DCA holders responsible for Reachable Parties.

Participants have to report their progress with the mandatory test cases (until all mandatory test cases are performed). Evidence of such test cases should be provided in the relevant sheets of the reporting excel file, to be provided by Banco de Portugal.

If a participant only uses the User-to-Application (U2A) access, i.e, if it only has access to the TARGET services screens, it only has to perform the test cases applicable in U2A mode. If a participant uses the U2A and the Application-to-Application (A2A) access (i.e., if it receives messages from TARGET and integrates those in an application), it has to perform the test cases applicable in U2A and A2A mode. After validation, Banco de Portugal will confirm successful realisation of the certification test cases.

The reporting of the remaining test cases is optional and no evidence has to be provided. Notwithstanding, if reported, the test cases will be verified and feedback will be provided.

Note: Institutions that use a single infrastructure to send messages to accounts in different central banks are exempted from the provision of evidence to all Central Banks. This means that if a participant sends, from one single infrastructure, messages related to an account with Banco de Portugal and messages related to an account with another Central Bank, then it has to choose one of the Central Banks to send the evidences. Once the evidences have been reviewed and the Central Bank chosen has confirmed the success of the tests; the participant has to inform the other Central Bank that it has passed the mandatory test cases.

1.4 Relevant documentation

The following documentation can be useful during the execution of the test cases:

Documentation produced by Banco de Portugal:

- [*Evolução dos Serviços TARGET | Perguntas Frequentes*](#)

- [*Evolução dos Serviços TARGET | User Testing Guide*](#)

-Evolução dos Serviços TARGET | Sessões de esclarecimento (tab)

General Eurosystem documentation:

- Terms of reference for user testing

- Mandatory Test Cases for T2 Participants

User Detailed Functional Specifications (UDFS) and User Handbooks (UHB)

-TARGET Services»T2»For professional use (CLM, RTGS, BDM, BILL, CRDM, DWH, ECONS and ESMIG)

-TARGET Services»T2S»For professional use»Technical/functional documents (T2S)

-TARGET Services»TIPS»For professional use»Technical/functional documents (TIPS)

1.5 Banco de Portugal's contacts

Doubts, bugs and testing reports should be sent to target@bportugal.pt.

2 Test cases

The test cases described cover functionalities, in User-to-Application (U2A) and/or Application-to-Application (A2A) mode, related to:

- CRDM - Common Reference Data Management;
- CLM - Central Liquidity Management;
- RTGS - Real-Time Gross Settlement (including ancillary systems specific test cases);
- ECONSII - Enhanced Contingency Solution II;
- BDM - Business Day Management;
- DWH - Data Warehouse;
- T2S – TARGET2 Securities;
- TIPS – TARGET Instant Payment Settlement.

The access to ESMIG - Eurosystem Single Market Infrastructure Gateway has already been tested during the connectivity testing phase.

Only the following test cases are mandatory. The remaining ones are not mandatory but it is recommended to perform them.

2.1 Overview of the test case description

The description of the test cases includes the following information:

ID	Code that identifies the test case. It is composed of: <ul style="list-style-type: none"> - the relevant service (CRDM, RTGS, CLM, ECONS, BDM, DW, T2S, TIPS) - the access mode: U2A or A2A - a sequential number per service
Name	Name of the test case
Applicable to:	Indication of the type of participants to whom the test is applicable: <ul style="list-style-type: none"> - <u>MCA holder</u>: participants with at least one Main Cash Account (MCA) in CLM - <u>RTGS DCA holder</u>: participants with at least one RTGS DCA (Dedicated Cash account) - <u>Ancillary system</u>: entities that act as ancillary systems in RTGS - <u>T2S DCA holder</u>: participants with at least one T2S DCA - <u>TIPS DCA holder</u>: participants with at least one TIPS DCA - <u>All participants</u>: all types of participants (i.e. participants with at least one account: MCA, RTGS DCA, T2S DCA or TIPS DCA)
Pre-conditions	Pre-conditions for the realization of the test case
Test Evidence	Information on the evidences to be provided
Description	Description of the test case, with the different steps to be performed

2.2 CRDM - Common Reference Data management

2.2.1 User-to-Application (U2A)

2.2.1.1 CRDM.U2A.001 - CRDM Access

ID	CRDM.U2A.001
Name	CRDM access
Applicable to	All participants
Pre-conditions	User should have been granted the role AH CRDM Access
Test Evidence	Printscreen of the CRDM homepage

Description:

User should access the ESMIG landing page > select the service “T2” in the services area > Select “CRDM” in the component or application area > select the respective system user reference in the “system user” area > press the Submit button.

The screenshot shows the 'Services List' application interface. At the top, there is a header 'Services List' with the instruction 'Choose an Application and your System User Reference'. Below this, there is a section 'Choose a Service' with two options: 'TIPS' (unchecked) and 'T2' (checked). Below that, there are two columns. The left column is 'Choose Component or Application' with options: 'Business Day Management' (unchecked), 'CLM' (unchecked), 'CRDM' (checked), 'Data Warehouse' (unchecked), and 'RTGS' (unchecked). The right column is 'Choose a System User' with a search box 'Search for user...' and one option: 'CPTBGALTPXXXXPGU084' (checked). At the bottom left, there is a 'Submit' button.

Once done, the user will be redirected to CRDM.

2.2.1.2 CRDM.U2A.002 - Access Rights Management – Configure U2A user

ID	CRDM.U2A.002
Name	Creation of an U2A user

Applicable to	All participants
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH Access Rights Admin • Party Administrator • AH CRDM Reader (for 4 eyes validation)
Test Evidence	Printscreen of the user, certificate DN, certificate DN link and roles assigned to the user

Description:

To create new users and grant them access rights, the party administrator users should perform the following steps:

[Note: for active T2S/TIPS users, only step 4 is needed]

Step 1 – Creation of an user

User reaches CRDM screen *Common >> Access Rights Management >> Users* and presses the New button. On the screen displayed, the following fields are of mandatory filling:

- **Login Name**, to be filled in using the following structure: A (account holder) +PT (ISO code Portugal)

+ Party BIC-11 (e.g. BANKPTLXXX) +21 characters of free text to identify the user (e.g. USER1). E.g. APTBANKPTLXXXUSER1

- **Name**, to be filled in with the user name;
- **System User Reference**, to be filled in using the reference defined in the login name: A (account holder) + PT (ISO code Portugal) +Party BIC-11 (e.g. BANKPTLXXX) + 21 characters of free text to identify the user (e.g. USER1). E.g. APTBANKPTLXXXUSER1
- **Parent BIC** – fill in BGALPTTGXXX
- **Party BIC** – fill in with the Party BIC (e.g. BANKPTLXXX)

Once done, the user should press the Submit button.

If the creation of the user is done following the four-eyes principle, the second user shall: go to screen *Common >> Services >> Data Changes* > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the

information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Create Certificate DN

User reaches CRDM screen *Common >> Access Rigths Management >>Certificate Distinguisd Names* and presses the New button. On the screen displayed, the Certificate Distinguished Name has to be filled in with the user DN made available by the NSP. For U2A users, the DN should be created with the attributes (e.g. “O=”) in upper case and values in lower case (e.g. “bankptpl”). The couples of attributes and values should be separated by a comma followed by a space. E.g. CN=user1, OU=esmig, O=bankptpl, O=nsp

The screenshot shows a web form titled "CERTIFICATE DISTINGUISHED NAME NEW". The breadcrumb navigation is "Common > Access Rights Management > Certificate Distinguished Names > + New". The form has a single text input field labeled "Certificate Distinguished Name" containing the text "CN=user1, OU=esmig, O=bankptpl, O=nsp". To the right of the input field are three buttons: a green "Submit" button with a plus icon, a blue "Reset" button with a circular arrow icon, and a grey "Cancel" button with an 'x' icon.

Once done, the user should press the Submit button.

If the creation of the DN is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes* > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 – Create User Certificate DN Link

User reaches CRDMscreen *Common >> Access Rigths Management >>Certificate Distinguisd Name Links* and presses the New button. On the screen displayed, the following fields are of mandatory filling:

- **Login Name**, to be filled in with the login name of the user previously created;
- **Certificate Distinguished Name**, to be filled in with the Certificate DN previously created;
- **Default**, if selected, this login name would be the first one displayed when accessing ESMIG landing page (if multiples users are linked to same DN);
- **Main user**: flag to enable the user to access TIPS GUI.

The screenshot shows a web form titled "USER CERTIFICATE DISTINGUISHED NAME NEW". The breadcrumb navigation is "Common > Access Rights Management > User Certificate Distinguished Name Links > + New". The form has three text input fields: "Login Name" (filled with "APTBANKPTPLXXXUSER1"), "Certificate Distinguished Name" (filled with "CN=user1, OU=esmig, O=bankptpl, O=nsp"), and "Default:" (with an unchecked checkbox). Below the "Default:" checkbox is a "Main User:" checkbox, also unchecked. To the right of the input fields are three buttons: a green "Submit" button with a plus icon, a blue "Reset" button with a circular arrow icon, and a grey "Cancel" button with an 'x' icon.

Once done, the user should press the Submit button.

If the creation of the User Certificate DN link is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes* > select the option “Awaiting Approval” on the status field >

use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 4 – Grant Role to User

Note: Before assigning a role to an user, the role must have already been assigned to the user’s party by the respective Central Bank (requested via registration form).

User reaches CRDM screen *Common >> Access Rights Management >> Grant/Revoke Roles >> Grant/Revoke roles*. The user chooses the option *Login Name* and fills in the login name of the user previously created. Once the choice is done, the user presses the Search button.

Afterwards, a list of the roles already assigned to the user will appear on the right (it should be blank for this new user). On the left, there are the roles assigned to the party that can be granted to the user. The goal is to select the role(s) needed on the left and transfer them to the right (via right arrow option). For more information on the roles, please consult the contents from October’s Banco de Portugal’s training session via the following [link](#).

Roles	Current Granted Roles
Filter: []	0
<input type="checkbox"/> AH CRDM Configuration Manager 2E	
<input type="checkbox"/> AH CRDM Configuration Manager 4E	
<input type="checkbox"/> AH CRDM Liquidity Manager 2E	
<input type="checkbox"/> AH CRDM Liquidity Manager 4E	
<input type="checkbox"/> AH CRDM Reader 2E	
<input type="checkbox"/> AH Data Warehouse User 2E	
<input type="checkbox"/> AH ECONS 2 Manager 4E	
<input type="checkbox"/> AH ECONS 2 Reader 2E	
<input type="checkbox"/> AH ESMIG Access 2E	
<input type="checkbox"/> AH RTGS AS Manager 2E	
<input type="checkbox"/> AH RTGS AS Manager 4E	
<input type="checkbox"/> AH RTGS Backup Payment Manager 4E	
<input type="checkbox"/> AH RTGS Limit/Reservation Mngr 2E	
<input type="checkbox"/> AH RTGS Limit/Reservation Mngr 4E	

If the roles are granted following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes* > select the option “Awaiting Approval” on the status field > use the

button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.3 CRDM.U2A.003 - Access Rights Management – Configure A2A user

ID	CRDM.U2A.003
Name	Creation of an A2A user
Applicable to	Participants with an A2A connection
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH Access Rights Admin • Party Administrator • AH CRDM Reader (for 4 eyes validation)
Test Evidence	Printscreen of the user, certificate DN, certificate DN link and roles assigned to the user

Description:

To create A2A users and grant them access rights, the party administrator users should perform the following steps:

[Note: for active T2S/TIPS users, only step 4 is needed]

Step 1 – Creation of an A2A user

User reaches CRDM screen *Common >> Access Rights Management >> Users* and presses the New button. On the screen displayed, the following fields are of mandatory filling:

- **Login Name**, to be filled in using the following structure: A (account holder) + PT (ISO code Portugal) + Party BIC-11 (e.g. BANKPTLXXX) +21 characters of free text to identify the user (e.g. A2AUSER). E.g. APTBANKPTLXXXA2AUSER;
- **Name**, to be filled in with the user name;
- **System User Reference**, to be filled in using the reference defined in the login name: A (account holder) + PT (ISO code Portugal) +Party BIC-11 (e.g. BANKPTLXXX) + 21 characters of free text to identify the user (e.g. A2AUSER). E.g. APTBANKPTLXXXA2AUSER;
- **Parent BIC** – fill in with BGALPTTGXXX;
- **Party BIC** – fill in with the Party BIC (e.g. BANKPTLXXX);

Once done, the user should press the Submit button.

If the creation of the user is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Create Certificate DN

User reaches CRDM screen *Common >> Access Rights Management >> Certificate Distinguished Names* and presses the New button. On the screen displayed, the Certificate Distinguished Name has to be filled in with the user DN made available by the NSP. For A2A users, the DN should be created with the attributes (e.g. “O=”) in upper case and values in lower case (e.g. “bankptpl”). The couples of attributes and values should only be separated by commas (without spaces). E.g. CN=a2auser,OU=esmig,O=bankptpl,O=nsp.

Once done, the user should press the Submit button.

If the creation of the DN is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Note: if the Certificate DN already exists, it will not be necessary to create the Certificate DN. This can be the case for TIPS Participant represented by a Instructing Party.

Step 3 – Create User Certificate DN Link

User reaches CRDM screen *Common >> Access Rights Management >> Certificate Distinguished Name Links* and presses the New button. On the screen displayed, the following fields are of mandatory filling:

- **Login Name**, to be filled in with login name previously created;
- **Certificate Distinguished Name**, to be filled in with the Certificate DN previously created;
- **Default**, it should not be selected for A2A users;
- **Main user**, flag to enable the user to access TIPS in A2A mode.

Once done, the user should press the Submit button.

If the creation of the User Certificate DN link is done following the four-eyes principle, the second user shall: go to screen *Common >> Services >> Data Changes* > select the option "Awaiting Approval" on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

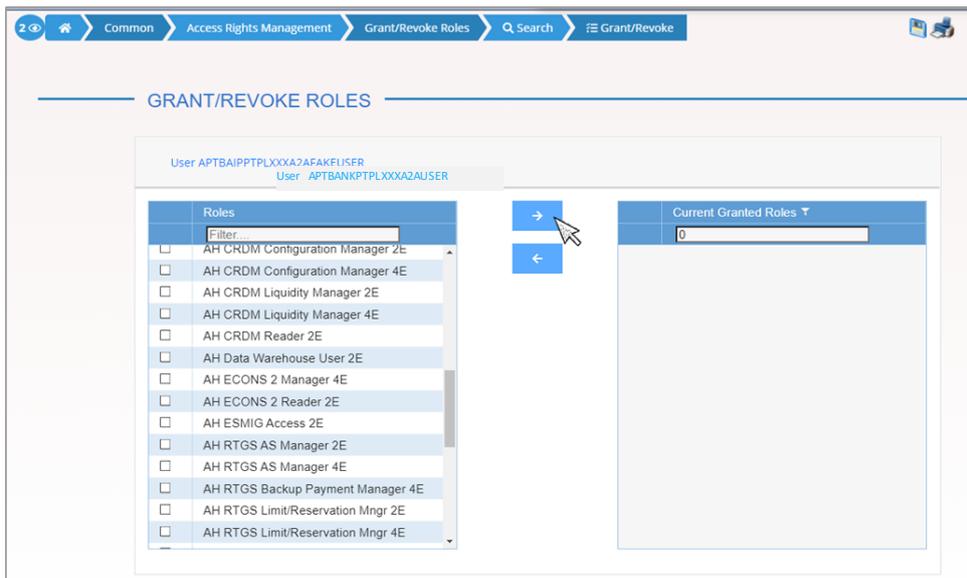
Step 4 – Grant Role to User

Note: Before assigning a role to an user, the role must have already been assigned to the user's party by the respective Central Bank (requested via registration form).

User reaches CRDM screen *Common >> Access Rights Management >> Grant/Revoke Roles >> Grant/Revoke roles*. The user chooses the option *Login Name* and fills in the login name of the user previously created. Once the choice is done, the user presses the Search button.

Afterwards, a list of the roles already assigned to the user will appear on the right (it should be blank for this new user). On the left, there are the roles assigned to the party that can be granted to the user. The goal is to select the role(s) needed on the left and transfer them to the right (via right arrow option). For more

information on the roles, please consult the contents from October's Banco de Portugal's training session via the following [link](#).



If the roles are granted following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.4 CRDM.U2A.004 - Access Rights Management – Delete user

ID	CRDM.U2A.004
Name	Deletion of an user
Applicable to	All participants
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH Access Rights Admin • Party Administrator • AH CRDM Reader (for 4 eyes validation)
Test Evidence	Printscreen of the delete user, delete certificate DN and delete certificate DN link

Description:

Step 1 – Revoke Role

User reaches CRDM screen *Common >> Access Rights Management >> Grant/Revoke Roles >> Grant/Revoke roles*. The user chooses the option Login Name and fills in the login name of the user do be deleted.

Once the choice is done, the user will presses the button Search.

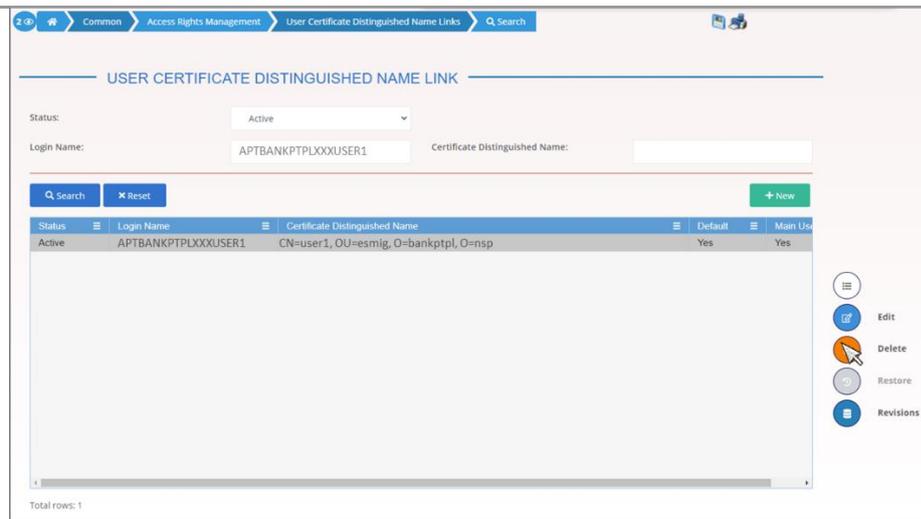
Afterwards, a list of the roles already assigned to the user will appear on the right. The goal is to select all the roles on the right and transfer them to the left (via left arrow option).

Roles	Current Granted Roles
Filter...	Filter...
No Rows To Show	<input checked="" type="checkbox"/> AH Access Rights Admin 2E <input checked="" type="checkbox"/> AH CLM Manager 2E <input checked="" type="checkbox"/> AH CLM Reader 2E <input checked="" type="checkbox"/> AH CRDM AMG Manager 2E <input checked="" type="checkbox"/> AH CRDM Access 2E <input checked="" type="checkbox"/> AH CRDM Configuration Manager 2E <input checked="" type="checkbox"/> AH CRDM Liquidity Manager 2E <input checked="" type="checkbox"/> AH CRDM Reader 2E <input checked="" type="checkbox"/> AH Data Warehouse User 2E <input checked="" type="checkbox"/> AH ECONS 2 Reader 2E <input checked="" type="checkbox"/> AH ESMIG Access 2E <input checked="" type="checkbox"/> AH RTGS AS Manager 2E <input checked="" type="checkbox"/> AH RTGS Limit/Reservation Mngr 2E <input checked="" type="checkbox"/> AH RTGS Reader 2E

If the revocation of roles is done following the four-eyes principle, the second user shall: go to screen *Common >> Services >> Data Changes* > select the option "Awaiting Approval" on the status field > use the button *Search* > choose the relevant change in the list displayed > press the button *Details*. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Delete User Certificate DN Link

User reaches CRDM screen *Common >> Access Rights Management >> Certificate Distinguished Name Links* and presses the *Search* button. Once on the search screen, the user should fill in the Login Name of the user to be deleted and press the button *Search*.

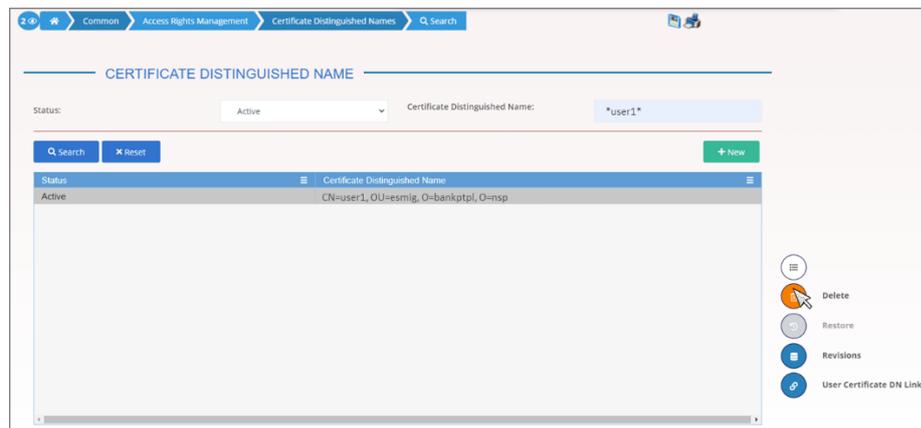


Afterwards the user should select the User Certificate DN link displayed, and choose the option delete.

If the deletion of the User Certificate DN link is done following the four-eyes principle, the second user shall: go to screen *Common >> Services >> Data Changes* > select the option “Awaiting Approval” on the status field > use the button *Search* > choose the relevant change in the list displayed > press the button *Details*. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 – Delete Certificate DN (just if the DN is not used for any other user)

User reaches CRDM screen *Common >> Access Rights Management >> Certificate Distinguished Name Links* and presses the *Search* button. Once on the *Search* screen, the user should search for the Certificate DN to be deleted (hint: the use of wildcards like **user1** can ease the process of finding de DN).

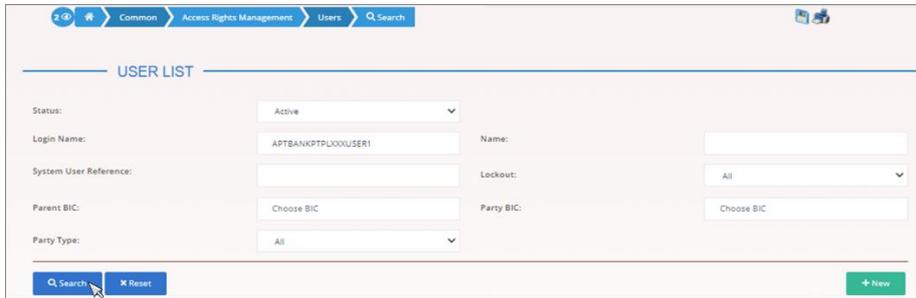


Afterwards the user should select the Certificate DN, and choose the option delete.

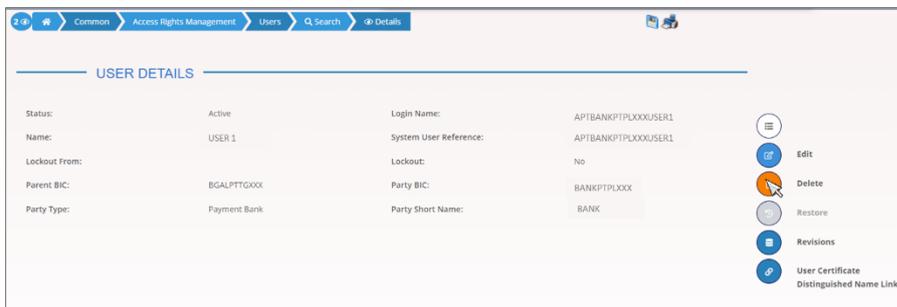
If the deletion of the DN is done following the four-eyes principle, the second user shall: go to screen *Common >> Services >> Data Changes* > select the option “Awaiting Approval” on the status field > use the button *Search* > choose the relevant change in the list displayed > press the button *Details*. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 4 – Delete user

User reaches CRDM screen *Common >> Access Rights Management >> Users* and presses the Search button. Once on the Search screen, the user should search for the Login Name of the user to be deleted.



Afterwards the user details will be displayed, and the user should choose the option delete.



If the deletion of the user is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes* > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.5 CRDM.U2A.005 - Message Configuration

ID	CRDM.U2A.005
Name	Message Configuration
Applicable to	Participants with an A2A connection
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Configuration Manager • AH CRDM Reader
Test Evidence	Printscreen of the message subscription rule set

Description:

To configure messages, the user should create a message subscription rule set and define the subscription rules for each message type inside the message subscription rule set.

Step 1 – Create a message subscription Rule Set

User reaches CRDM screen *Common >> Messages and Reports >> Message Subscription Rule Set* and presses the button New. On the screen displayed, the following fields are of mandatory filling:

- **Rule Set ID** – fill in with the identification of the rule set (e.g. CLM –A2A Message set);
- **Description** - Rule Set ID – fill in with a description for the rule set (e.g. CLM –A2A Message set);
- **Service** – select the service for this rule set (parties should have one rule set for each service that needs message subscription). For testing it is recommended to select CLM Component, RTGS Component, TIPS or T2S;
- **Valid From** – select/fill in with a date;
- **Positive/Negative Parameter set** – select Positive;
- **Creator Parent BIC** – fill in with BGALPTTGXXX;
- **Creator Party BIC** – fill in with the Party BIC;
- **Interested Parties** – fill in Parent BIC with BGALPTTGXXX (or the BIC of another Central bank), fill in with the interested Party BIC and use “+” button to submit the interested party information.

The screenshot shows the 'MESSAGE SUBSCRIPTION RULE SET NEW' form. The fields are filled as follows:

- Name: CLM - A2A Message set
- Description: CLM - A2A Message set
- Service: T2 CLM COMPONENT
- Valid From: 2021-10-12
- Valid To: yyyy-mm-dd
- Positive/Negative parameter set: Positive
- Creator Parent BIC: BGALPTTGXXX
- Creator Party BIC: BRASPTPLXXX

The Interested Parties section includes a search bar with 'Choose BIC' and a 'Party' button. Below it is a table with one row:

Parent BIC	Party BIC
BGALPTTGXXX	BANKPTPLXXX

The form also features a 'Submit' button (indicated by a mouse cursor), 'Reset', and 'Cancel' buttons.

Once done, the user presses the Submit button.

If the action is done following the four-eyes principle, the second user shall go to screen *Common >> Services >> Data Changes*, select the option “Awaiting Approval” on the status field, use the button Search, choose the relevant change and press the button Details. After validating the information, the second user approves or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Creation of a Message subscription rule

User reaches CRDM screen *Common >> Messages and Reports >> Message Subscription Rule Set* and, after filling in the Name of the previously created Rule Set, uses the Search Option. Once the search output is visible, the user selects the rule set and the respective Details.

On the Details screen, the user will choose the option *+Add rule*.

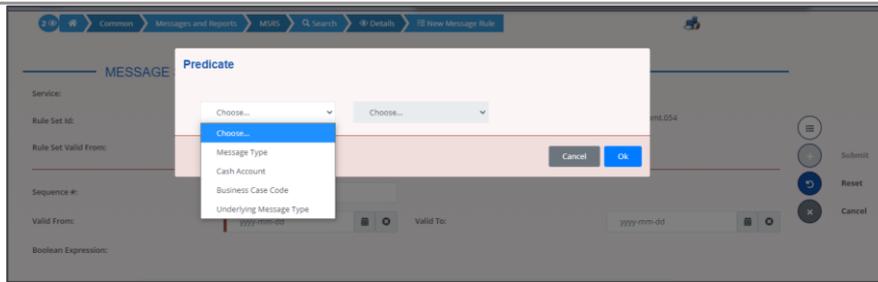
Afterwards the user will be guided to the new subscription rule, and it should fill in the following mandatory fields:

- **Sequence #** - fill in with an incremental number to order the rules (e.g. 1);
- **Valid From** – select/fill in (it should be equal to or greater than the date for the rule set);

and select the +Add Group button. After that it is possible to edit the group name (**hint:** use an incremental number to order the groups). The user should select the “+” button to add the predicates/conditions of the subscription:

Note: Mandatory fields marked as (M), Optional as (O) and Conditional as (C).

- **Message Type (M)** – select the message to be subscribed (e.g. pacs.002 or camt.054);
- **Cash Account (O)** – select if the message is to be subscribed for a specific cash account (and not all the accounts under the party);
- **Business Case Code (O/C)** – select if the message is to be subscribed for a specific business case (only possible for camt.054);
- **Underlying Message Type (O/C)** – select if the participant only needs to receive a pacs.002 to update the status of a specific underlying message. Options available are pacs.004, pacs.008, pacs.009 and pacs.010;



Once done, the user presses the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.6 CRDM.U2A.006 - Report Configuration - RTGS directory

ID	CRDM.U2A.006
Name	Report configuration for the RTGS directory
Applicable to	RTGS DCA holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Configuration Manager • AH CRDM Reader
Test Evidence	Printscreen of the report configuration

Description:

Step 1 below describe the actions to be undertaken by the users to create a report configuration for the RTGS directory delivery in push mode. Additionally, steps 2 and 3 describe the actions to be performed for update the report configuration and query it.

Step 1 - Creation of the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list* and select the option New. On the screen displayed, the following fields are of mandatory filling:

- **Owner Parent BIC** – fill in with BGALPTTGXXX;
- **Owner Party BIC** – fill in with the Party BIC;
- **Configuration Name** – fill in with an identification for the report configuration (e.g. RTGS Directory Config – BANKPTPLXXX);
- **Configuration Description** – fill in with a description for the report configuration (e.g. RTGS Directory Config – BANKPTPLXXX);
- **Service** – select T2 RTGS Component;

- **Report Name** – select RTGS Directory;
- **Party Links** – Fill in Opting Parent BIC with BGALPTTGXXX;
 Fill in Opting Party BIC with the Party BIC;
 Select Push mode;
 Fill in/select Valid From date;
 and use “+” button to submit the party links information.

Once done, the user selects the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 - Update the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list*, selects the Service T2 RTGS Component and the report name RTGS Directory.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the RTGS directory configuration can be checked.

To update the report, the user should select the option edit. Afterwards, the user will have the possibility to change only the *Valid to* field. To do so, it should press the edit button on the Party Links block, fill in the new valid to date and submit the new date in the “+” button.

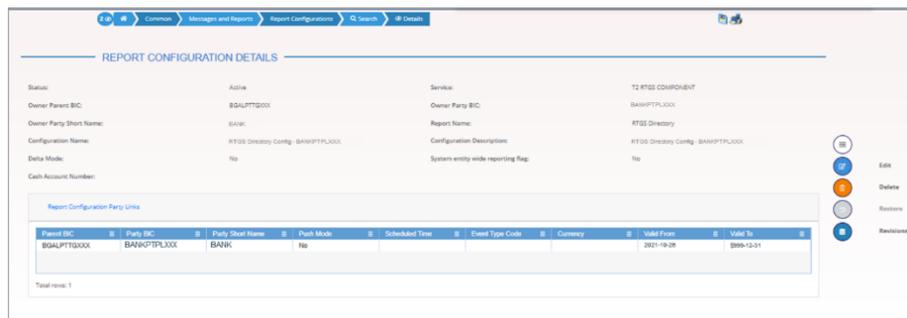
Once done, the user should select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 - Query RTGS Directory configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list*, selects the Service T2 RTGS Component and the report name RTGS Directory.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the RTGS directory configuration can be checked.



2.2.1.7 CRDM.U2A.007 - Report Configuration - TIPS directory

ID	CRDM.U2A.007
Name	Report configuration for the TIPS directory
Applicable to	TIPS Account holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Configuration Manager • AH CRDM Reader
Test Evidence	Printscreen of the report configuration

Description:

Step 1 below describe the actions to be undertaken by the users to create a report configuration for the TIPS directory delivery in push mode. Additionally, steps 2 and 3 describe the actions to be performed for update the report configuration and query it.

Step 1 - Creation of the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list* and select the option New. On the screen displayed, the following fields are of mandatory filling:

- **Owner Parent BIC** – fill in with BGALPTTGXXX;
- **Owner Party BIC** – fill in with the Party BIC;
- **Configuration Name** – fill in with an identification for the report configuration (e.g. TIPS Directory – BANKPTPLXXX);
- **Configuration Description** – fill in with a description for the report configuration (e.g. TIPS Directory – BANKPTPLXXX);
- **Service** – select TIPS SERVICE;
- **Report Name** – select TIPS Directory;
- **Party Links** – Fill in Opting Parent BIC with BGALPTTGXXX;

Fill in Opting Party BIC with the Party BIC;

Select Push mode;

Fill in/select Valid From date;

and use “+” button to submit the party links information.

Once done, the user selects the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 - Update the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration* – search/list, selects the Service TIPS SERVICE and the report name TIPS Directory.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the TIPS directory configuration can be checked.

REPORT CONFIGURATION DETAILS

Status: Active Service: TIPS SERVICE
 Owner Parent BIC: BGALPTGXXX Owner Party BIC: BANKPTPLXXX
 Owner Party Short Name: BANK Report Name: TIPS Directory
 Configuration Name: TIPS Directory - BANKPTPLXXX Configuration Description: TIPS Directory - BANKPTPLXXX
 Delta Mode: No System entity wide reporting flag: No

Report Configuration Party Links: Yes

Parent BIC	Party BIC	Party Short Name	Push Mode	Scheduled Time	Event Type Code	Currency	Valid From	Valid To
BGALPTGXXX	BANKPTPLXXX	BANK	Yes				08-05-2023	9999-12-31

Total rows: 1

To update the report, the user should select the option edit. Afterwards, the user will have the possibility to change only the *Valid to* field. To do so, it should press the edit button on the Party Links block, fill in the new valid to date and submit the new date in the “+” button.

Once done, the user should select the Submit button.

REPORT CONFIGURATION UPDATE

Owner Parent BIC: BGALPTGXXX Owner Party BIC: BCOMPTPLXXX
 Cash Account Number: Choose...
 Configuration Name: TIPS Directory - BANKPTPLXXX Configuration Description: TIPS Directory - BANKPTPLXXX
 Service: TIPS SERVICE Report Name: TIPS Directory
 Frequency: Choose... Delta Mode:
 System Entity Wide Reporting Flag:

Party Links

Opting Parent BIC: BGALPTGXXX Opting Party BIC: BCOMPTPLXXX
 Scheduled Time: HH : MM Push Mode:
 Event Type: Choose... Currency:
 Valid From: 2020-10-13 Valid To: 2023-05-08

Opting Parent BIC	Opting Party BIC	Push Mode	Scheduled Time	Event Type	Currency	Valid From	Valid To
BGALPTGXXX	BANKPTPLXXX	Yes				2020-10-13	9999-12-31

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 - Query RTGS Directory configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list*, selects the Service TIPS SERVICE and the report name TIPS Directory.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the RTGS directory configuration can be checked.

2.2.1.8 CRDM.U2A.008 - Report Configuration – CLM Statement of accounts

ID	CRDM.U2A.008
Name	Report configuration for CLM statement of accounts
Applicable to	MCA holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Configuration Manager • AH CRDM Reader
Test Evidence	Printscreen of the report configuration

Description:

Step 1 below describes the actions to be undertaken by the users to create a report configuration for the CLM statement of accounts delivery in push mode (full version). Additionally, step 2 describe the actions to be performed for update the report configuration.

Step 1 - Creation of the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list* and selects the option New. On the screen displayed, the following fields are of mandatory filling:

- **Owner Parent BIC** – fill in BGALPTGXXX;

- **Owner Party BIC** – fill in with the Party BIC;
- **Configuration Name** – fill in with an identification for the report configuration (e.g. CLM Statement of Accounts – BANKPTPLXXX);
- **Configuration Description**– fill in with a description for the report configuration (e.g. CLM Statement of Accounts – BANKPTPLXXX);
- **Service** – select T2 CLM Component
- **Report Name** – select CLM Statement of Accounts;
- **Party Links** – Fill in Opting Parent BIC with BGALPTTGXXX;

Fill in Opting Party BIC with the Party BIC;

Select Push mode;

Fill in/select Valid From date;

and use “+” button to submit the party links information.

REPORT CONFIGURATION NEW

Owner Parent BIC: BGALPTTGXXX | Cash Account Number: Choose... | Configuration Name: CLM Statement of Accounts – BANKPTPLXXX | Service: T2 CLM COMPONENT | Frequency: | System Entry Wide Reporting Flag:

Owner Party BIC: BANKPTPLXXX | Configuration Description: CLM Statement of Accounts – BANKPTPLXXX | Report Name: CLM Statement of Accounts | Delta Mode:

Party Links

Opting Parent BIC: BGALPTTGXXX | Opting Party BIC: BANKPTPLXXX | Scheduled Time: | Push Mode: | Event Type: Choose... | Currency: | Valid From: 2021-10-26 | Valid To: yyyy-mm-dd

Opting Parent BIC	Opting Party BIC	Push Mode	Scheduled Time	Event Type	Currency	Valid From	Valid To
BGALPTTGXXX	BANKPTPLXXX	Yes	2021-10-26			2021-10-26	

Total rows: 1

Once done, the user will select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 - Update the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration* – search/list, select the Service T2 CLM Component and the report name CLM Statement of Accounts.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the CLM statement of accounts configuration can be checked.

Parent BIC	Party BIC	Party Short Name	Push Mode	Scheduled Time	Event Type Code	Currency	Valid From	Valid To
BSGALPTG000	BANKPTPL000	BANK	Yes				2021-10-20	2021-12-31

To update the report, the user should select the option edit. Afterwards the user will have the possibility to change only the Valid to field. To do so, it should press the edit button on the Party Links block, fill in the new valid to date and submit the new date in the “+” button.

Once done, the user should select the Submit button.

Opting Parent BIC	Opting Party BIC	Push Mode	Scheduled Time	Event Type	Currency	Valid From	Valid To
BSGALPTG000	BANKPTPL000	Yes				2021-10-20	2021-10-20

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.9 CRDM.U2A.009 - Report Configuration – RTGS Statement of accounts

ID	CRDM.U2A.009
Name	Report configuration for a RTGS statement of accounts
Applicable to	RTGS DCA holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Configuration Manager • AH CRDM Reader
Test Evidence	Printscreen of the report configuration

Description:

Step 1 below describes the actions to be undertaken by the users to create a report configuration for the RTGS statement of accounts delivery in push mode (full version). Additionally, step 2 describe the actions to be performed for update the report configuration.

Step 1 - Creation of the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list* and selects the option New. On the screen displayed, the following fields are of mandatory filling:

- **Owner Parent BIC** – fill in BGALPTTGXXX;
- **Owner Party BIC** – fill in with the Party BIC;
- **Configuration Name** – fill in with an identification for the report configuration (e.g. RTGS Statement of Accounts – BANKPTPLXXX);
- **Configuration Description** – fill in with a description for the report configuration (e.g. RTGS Statement of Accounts – BANKPTPLXXX);
- **Service** – select T2 RTGS Component;
- **Report Name** – select RTGS Statement of Accounts;
- **Party Links** – Fill in Opting Parent BIC with BGALPTTGXXX;
 - Fill in Opting Party BIC with the Party BIC;
 - Select Push mode;
 - Fill in/select Valid From date;

and use “+” button to submit the party links information.

Opting Parent BIC	Opting Party BIC	Push Mode	Scheduled Time	Event Type	Currency	Valid From	Valid To
BGALPTT00X	BANKPTPL00X	Yes				2021-10-26	

Once done, the user will select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 - Update the report configuration

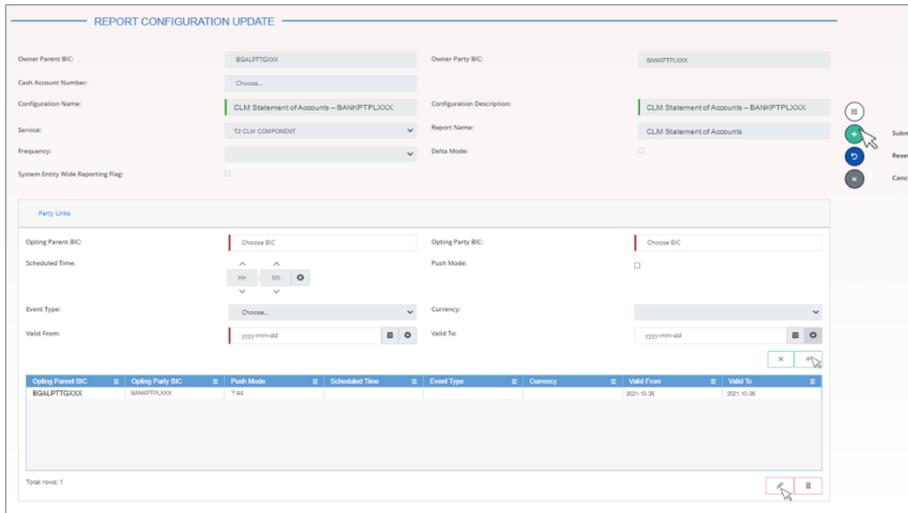
User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list*, select the Service T2 RTGS Component and the report name RTGS Statement of Accounts.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the RTGS statement of accounts can be checked.

Parent BIC	Party BIC	Party Short Name	Push Mode	Scheduled Time	Event Type Code	Currency	Valid From	Valid To
BGALPTT00X	BANKPTPL00X	BANK	Yes				2021-10-26	899-12-31

To update the report, the user should select the option edit. Afterwards, the user will have the possibility to change only the Valid to field. To do so, it should press the edit button on the PartyLinks block, fill in the new valid to date and submit the new date in the “+” button.

Once done, the user will select the Submit button.



If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.10 CRDM.U2A.010 - Report Configuration – T2S Statement of accounts

ID	CRDM.U2A.010
Name	Report configuration for a T2S statement of accounts
Applicable to	T2S DCA holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Configuration Manager • AH CRDM Reader
Test Evidence	Printscreen of the report configuration

Description:

Step 1 below describes the actions to be undertaken by the users to create a report configuration for the T2S statement of accounts delivery in push mode (full version). Additionally, step 2 describe the actions to be performed for update the report configuration.

Step 1 - Creation of the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list* and selects the option *New*. On the screen displayed, the following fields are of mandatory filling:

- **Owner Parent BIC** – fill in BGALPTTGXXX;
- **Owner Party BIC** – fill in with the Party BIC;
- **Configuration Name** – fill in with an identification for the report configuration (e.g. T2S Statement of Accounts – BANKPTPLXXX);
- **Configuration Description** – fill in with a description for the report configuration (e.g. T2S Statement of Accounts – BANKPTPLXXX);
- **Service** – select T2S;
- **Report Name** – select Statement of Accounts;
- **Party Links** – Fill in Opting Parent BIC with BGALPTTGXXX;

Fill in Opting Party BIC with the Party BIC;

Select Push mode;

Select Event Type Code – EESR;

Fill in/select Valid From date;

and use “+” button to submit the party links information;

Once done, the user will select the *Submit* button.

If the action is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes* > select the option “*Awaiting Approval*” on the status field > use the button *Search* > choose the relevant change in the list displayed > press the button *Details*. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 - Update the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list*, select the Service T2S and the report name Statement of Accounts.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the T2S statement of accounts can be checked.

Parent BIC	Party BIC	Party Short Name	Push Mode	Scheduled Time	Event Type Code	Currency	Valid From	Valid To
BGALPTTQXXX	BANKPTPLXXX	BANK	Yes		EESR		2016-03-28	9999-12-31

Total rows: 1

To update the report, the user should select the option edit. Afterwards, the user will have the possibility to change only the Valid to field. To do so, it should press the edit button on the PartyLinks block, fill in the new valid to date and submit the new date in the “+” button.

Once done, the user will select the Submit button.

Opting Parent BIC	Opting Party BIC	Push Mode	Scheduled Time	Event Type	Currency	Valid From	Valid To
BGALPTTQXXX	BANKPTPLXXX	Yes		EESR		2016-03-28	

Total rows: 1

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.11 CRDM.U2A.011 - Report Configuration – TIPS Statement of accounts

ID	CRDM.U2A.011
Name	Report configuration for a TIPS statement of accounts
Applicable to	TIPS Account holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Configuration Manager • AH CRDM Reader
Test Evidence	Printscreen of the report configuration

Description:

Step 1 below describes the actions to be undertaken by the users to create a report configuration for the end of day TIPS statement of accounts delivery in push mode (full version). Additionally, step 2 describe the actions to be performed for update the report configuration.

Step 1 - Creation of the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list* and selects the option New. On the screen displayed, the following fields are of mandatory filling:

- **Owner Parent BIC** – fill in BGALPTTGXXX;
- **Owner Party BIC** – fill in with the Party BIC;
- **Configuration Name** – fill in with an identification for the report configuration (e.g. TIPS Statement of Accounts);
- **Configuration Description** – fill in with a description for the report configuration (e.g. TIPS Statement of Accounts);
- **Service** – select TIPS SERVICE;
- **Report Name** – select TIPS Statement of Accounts;
- **Party Links** – Fill in Opting Parent BIC with BGALPTTGXXX;

Fill in Opting Party BIC with the Party BIC;

Select Push mode;

Fill in/select Valid From date;

and use “+” button to submit the party links information ;

Once done, the user will select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 - Update the report configuration

User reaches CRDM screen Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list, select the Service TIPS SERVICE and the report name TIPS Statement of Accounts.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the TIPS statement of accounts can be checked.

To update the report, the user should select the option edit. Afterwards, the user will have the possibility to change only the Valid to field. To do so, it should press the edit button on the PartyLinks block, fill in the new valid to date and submit the new date in the “+” button.

Once done, the user will select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.12 CRDM.U2A.012 - Report Configuration – TIPS Statement of accounts in delta mode

ID	CRDM.U2A.012
Name	Report configuration for a TIPS statement of accounts (delta mode)
Applicable to	TIPS Account holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Configuration Manager • AH CRDM Reader
Test Evidence	Printscreen of the report configuration

Description:

Step 1 below describes the actions to be undertaken by the users to create a report configuration for the intraday delivery of the TIPS statement of accounts (it can be received every 3, 6 or 12 hours). Additionally, step 2 describe the actions to be performed for update the report configuration.

Step 1 - Creation of the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list* and selects the option New. On the screen displayed, the following fields are of mandatory filling:

- **Owner Parent BIC** – fill in BGALPTTGXXX;
- **Owner Party BIC** – fill in with the Party BIC;
- **Configuration Name** – fill in with an identification for the report configuration (e.g. TIPS Statement of Accounts delta) ;
- **Configuration Description** – fill in with a description for the report configuration (e.g. TIPS Statement of Accounts delta) ;
- **Service** – select TIPS SERVICE;
- **Report Name** – select TIPS Statement of Accounts;
- **Delta mode** – select this option;
- **Frequency** – select the desired frequency, in hours (3, 6 or 12) ;
- **Party Links** – Fill in Opting Parent BIC with BGALPTTGXXX;

Fill in Opting Party BIC with the Party BIC;

Select Push mode;

Fill in/select Valid From date;

and use “+” button to submit the party links information;

Once done, the user will select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen *Common >> Services >> Data Changes* > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 - Update the report configuration

User reaches CRDM screen *Common >> Messages and Reports >> Report Configuration >> Report Configuration – search/list*, select the Service TIPS SERVICE and the report name TIPS Statement of Accounts.

Afterwards, the user will be guided to the report configuration details screen, where all the details of the TIPS statement of accounts can be checked.

To update the report, the user should select the option edit. Afterwards, the user will have the possibility to change only the Valid to field. To do so, it should press the edit button on the Party Links block, fill in the new valid to date and submit the new date in the “+” button.

Once done, the user will select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.13 CRDM.U2A.013 - Floor and ceiling notifications

ID	CRDM.U2A.013
Name	Configuration of floor and ceiling notifications
Applicable to	MCA holders, RTGS DCA holders, TIPS DCA holders
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH CRDM Liquidity Manager • AH CRDM Reader <p>Floor and ceiling notification amounts need to be previously configured by Banco de Portugal (requested via registration form)</p>
Test Evidence	Printscreen of the configuration of the floor and ceiling notifications

Description:

To configure the delivery of floor and ceiling notifications for MCA, RTGS DCA and TIPS DCAs the user shall follow the following steps (example bellow for an RTGS DCA):

Step 1 – Configure floor/ceiling notifications

User reaches CRDM screen *Common >> Cash >> Cash Accounts* and presses the Search button. On the search screen the user should search for the account in which the notifications are to be set-up (e.g. select account type RTGS Dedicated Cash Account).

Afterwards, the user should access the cash account details screen, and select the option Edit.

The user should start by checking that the Floor and Ceiling notification amounts were previously defined by Banco de Portugal. These amounts (identified with a 1 below) are the ones used for triggering these notifications. Then, the user should select the edit button in the account threshold configuration block. After that, the floor and ceiling notifications should be ticked (identified with a 2 below), and submit this information in the “+” button. Once done, the user presses the Submit button.

CASH ACCOUNT UPDATE

Cash Account Number: RPTEURBANKPTPLX0001001 Account Type: RTGS Dedicated Cash Account
 Opening Date: 2021-06-24 Closing Date: 9999-12-31
 Parent BIC: BGLPTT0000 BIC: BANKPTPLXX
 Short Name: BAP Party Type: 1
 Floor notification Amount: 1,000,000 Ceiling notification Amount: 3,500,000
 Currency: Euro
 Linked Account Type: Cash Account Linked Account Reference: RPTEURBANKPTPLX0001001

Account Threshold Configuration

Target Amount after Breaching Floor: 2,500,000 Target Amount after Breaching Ceiling: 3,500,000
 Associated LT Account: RPTEURBANKPTPLX0001001
 Floor Notification: Ceiling Notification:
 Rule-based LT for Queued High Priority Payments: Rule-based LT for Queued Urgent Priority Payments:

Target Amount After Breaching Floor	Target Amount After Breaching Ceiling	Associated LT Account	Floor Notification	Ceiling Notification	Rule-based LT for Queued High	Rule-based LT for Queued Urgent
2,500,000	3,500,000	RPTEURBANKPTPLX0001001	No	No	Yes	Yes

Total rows: 1

If the action is done following the four-eyes principle, the second user shall: go to screen **Common>>Services>>Data Changes** > select the option “Awaiting Approval” on the status field > use the button **Search** > choose the relevant change in the list displayed > press the button **Details**. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Query the configuration of floor/ceiling notifications

User reaches CRDM screen **Common >> Cash >> Cash Accounts** and presses the **Search** button. Once on the search screen the user should search for the account, in which the notifications were set-up (e.g. select account type **RTGS Dedicated Cash Account**).

CASH ACCOUNT LIST

Status: Active
 Cash Account Number: [Empty]
 Linked Account Type: All
 Parent BIC: Choose BIC
 Party Type: All
 Opening Date From: yyyy-mm-dd
 Closing Date From: yyyy-mm-dd
 Account Type: RTGS Dedicated Cash Account
 Linked Account: [Empty]
 Party BIC: Choose BIC
 Currency: All
 Opening Date To: yyyy-mm-dd
 Closing Date To: yyyy-mm-dd

Afterwards, the user should access the cash account details screen, and check the **Account Threshold Configuration**. In that block, **Floor notification** and **Ceiling Notification** should have the value **Yes**.

CASH ACCOUNT DETAILS

Status: Active Cash Account Number: RPTEURBANKPTPLX0001001
 Opening Date: 2021-06-24 Closing Date: 9999-12-31
 Account Type: RTGS Dedicated Cash Account Currency: EUR
 Parent BIC: BGLPTT0000 Party BIC: BANKPTPLXX
 Party Short Name: BANK Party Type: Payment Bank
 Floor notification Amount: 1,000,000 Ceiling notification Amount: 3,000,000
 Linked Cash Account: RPTEURBANKPTPLX0001001

Account Threshold Configuration

Target Amount	Target Amount	Associated LT Account	Floor Notification	Ceiling Notification	Rule-based LT for Queued High	Rule-based LT for Queued Urgent
2,500,000	3,500,000	RPTEURBANKPTPLX0001001	Yes	Yes	Yes	Yes

Total rows: 1

Reserve Management Account Configuration

Minimum Reserve Calculation	Default MCA	Interest Calculation	Interest Rate Type	Automated Conversion of Interest P
No Rows To Show				

Total rows: 0

2.2.1.14 CRDM.U2A.014 - Standing Liquidity Transfer Order from RTGS

ID	CRDM.U2A.014
Name	Creation of a Standing Liquidity Transfer Order from RTGS
Applicable to	MCA holders, RTGS DCA holders, TIPS DCA holders and T2S DCA holders
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Liquidity Manager • AH CRDM Reader
Test Evidence	Printscreen of the configuration of the standing order

Description:

To create, update and delete a standing liquidity transfer order, triggered by an event, between a RTGS DCA and a MCA/T2S DCA/ TIPS account, the user shall go through the following steps:

Step 1 – Creation of a Standig Liquidity Transfer Order (from RTGS to CLM/T2S/TIPS)

User reaches CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects the option New. On the screen displayed, the following fields are of mandatory filling (remaining fields should not be used):

- **Order Reference:** to be filled in with an identification for the standing order (e.g., "SOforCLM") ;
- **Valid From:** select the date as of the standing order should be executed;
- **Amount:** to fill in with the amount for the standing order;
- **Order Type:** to select "Standing" ;
- **Event Type:** to select the event that will trigger the standing order liquidity transfer. For a standing order to debit a RTGS DCA, a RTGS event should be selected, as per information below:

RTGS events:

RESO - *Execution of standing orders in RTGS*

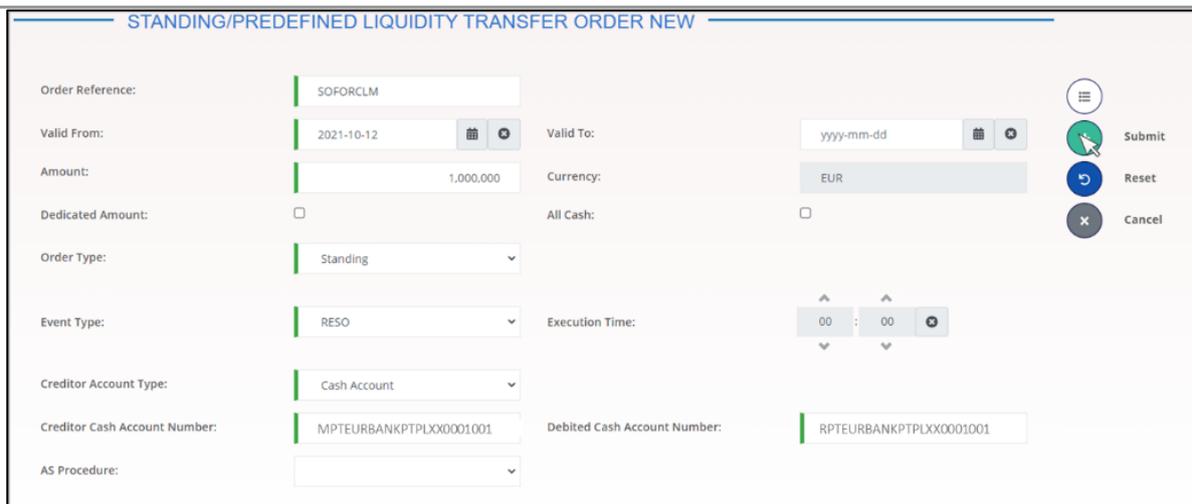
RRII - *Start of RTGS RTS II*

RSIC - *Start of settlement window for interbank and customer payments*

RLSO - *Execution of standing orders after last settlement attempt in RTGS*

- **Creditor account Type:** to select "Cash Account";
- **Creditor cash account number:** to fill in with the account number to be credited;
- **Debited cash account number:** to fill in with the account number to be debited. It has to be an account in the same service as the event that triggers the liquidity transfer.

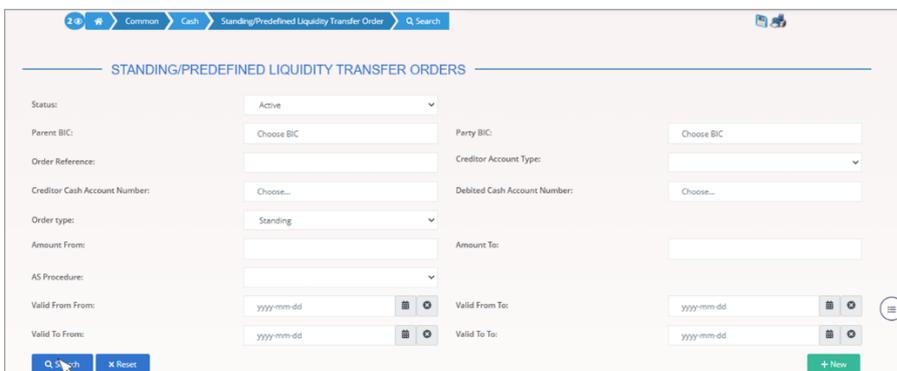
Once done, the user shall press the Submit button.



If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Update Standing Liquidity Transfer Order

User reaches the CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects as Order type “Standing”.



The user will be redirected to the list of standing orders defined. After selection the standing order that shall be updated, the user should select the option edit. This will allow to change the Valid to, Amount and Order Type field. The user shall perform the desired change and press the Submit button.

[Hint: As the goal of the next step is to delete the standing order for liquidity transfer, the valid date should be changed to the current business date.]

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 – Delete Standig Liquidity Transfer Order

User reaches the CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects as Order type “Standing”.

The user will be redirected to the list of standing orders defined. After selection the standing order that shall be deleted, the user should select the option delete.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.15 CRDM.U2A.015 - Standing Liquidity Transfer Order from CLM

ID	CRDM.U2A.015
Name	Creation of a Standing Liquidity Transfer Order from CLM
Applicable to	MCA holders, RTGS DCA holders, TIPS DCA holders and T2S DCA holders
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Liquidity Manager • AH CRDM Reader
Test Evidence	Printscreen of the configuration of the standing order

Description:

To create, update and delete a standing liquidity transfer order, triggered by an event, between a MCA and a RTGS DCA/T2S DCA/ TIPS account, the user shall go through the following steps:

Step 1 – Creation of a Standig Liquidity Transfer Order (from CLM to RTGS/T2S/TIPS)

User reaches CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects the option New. On the screen displayed, the following fields are of mandatory filling (remaining fields should not be used):

- **Order Reference:** to be filled in with an identification for the standing order (e.g. “SOfor RTGS”);
- **Valid From:** select the date as of the standing order should be executed;
- **Amount:** to fill in with the amount for the standing order;
- **Order Type:** to select “Standing” ;
- **Event Type:** to select the event that will trigger the standing order liquidity transfer for standing orders to debit a MCA, a CLM event should be selected: CESO - *Execution of standing orders in CLM* or CCII - *Cut-off for CLM RTS*;
- **Creditor account Type:** to select “Cash Account“;
- **Creditor cash account number:** to fill in with the account number to be credited;
- **Debited cash account number:** to fill in with the account number to be debited. It has to be an account in the same service as the event that triggers the liquidity transfer.

Once done, the user shall press the Submit button.

The screenshot displays the 'STANDING/PREDEFINED LIQUIDITY TRANSFER ORDER NEW' form in the TARGET-PT system. The form is structured as follows:

- Order Reference:** SOFORRTGS
- Valid From:** 2022-03-28
- Amount:** 1,000,000
- Order Type:** Standing
- Event Type:** CESO
- Creditor Account Type:** Cash Account
- Creditor Cash Account Number:** RPTEURBGALPTTXXXX001001XXX
- Debited Cash Account Number:** MPTEURBGALPTTXXXX001001XXX

Additional fields include 'Valid To' (placeholder: yyyy-mm-dd), 'Currency' (EUR), 'Dedicated Amount' (checkbox), 'All Cash' (checkbox), and 'Execution Time' (00:00). The form also features a 'Submit' button, a 'Reset' button, and a 'Cancel' button.

If the action is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes >* select the option “Awaiting Approval” on the status field > use the button *Search >* choose the relevant change in the list displayed > press the button *Details*. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Update Standing Liquidity Transfer Order

User reaches the CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects as Order type “Standing”.

The user will be redirected to the list of standing orders defined. After selection the standing order that shall be updated, the user should select the option edit. This will allow to change the Valid to, Amount and Order Type field. The user shall perform the desired change and press the Submit button.

[Hint: As the goal of the next step is to delete the standing order for liquidity transfer, the valid date should be changed to the current business date.]

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 – Delete Standig Liquidity Transfer Order

User reaches the CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects as Order type “Standing”.

The user will be redirected to the list of standing orders defined. After selection the standing order that shall be deleted, the user should select the option delete.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.16 CRDM.U2A.016 - Standing Liquidity Transfer Order from T2S

ID	CRDM.U2A.016
Name	Creation of a Standing Liquidity Transfer Order from T2S
Applicable to:	T2S DCA holder

Pre-conditions:	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Liquidity Manager; • AH CRDM Reader.
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Description:

To create, update and delete a standing liquidity transfer order, triggered by an event, from a T2S DCA to a MCA/RTGS DCA/ TIPS DCA, the user shall go through the following steps:

Step 1 – Creation of a Standig Liquidity Transfer Order (from T2S to CLM/RTGS/TIPS)

User reaches CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects the option New. On the screen displayed, the following fields are of mandatory filling (remaining fields should not be used):

- **Order Reference:** to be filled in with an identification for the standing order (e.g., “SO from T2S”);
- **Valid From:** select the date as of the standing order should be executed;
- **Amount:** to fill in with the amount for the standing order **or select**;
- **All cash:** if the standing order is created with the goal of sending (on a daily basis) all the liquidity in the T2S DCA (before the change of business day) ;
- **Order Type:** to select “Standing” ;
- **Event Type:** to select the event that will trigger the standing order liquidity transfer. For a standing order to debit a T2S DCA, one of the following T2S event should be selected: OCSW – Optional Cash Sweep 1 or OCS2 – Optional Cash Sweep 2;
- **Creditor account Type:** select “Cash Account”;
- **Creditor cash account number:** to fill in with the account number to be credited;
- **Debited cash account number:** to fill in with the account number to be debited. It has to be an account in the same service as the event that triggers the liquidity transfer (select this field before the event to allow the event list to be available for selection).

Once done, the user shall press the Submit button.

STANDING/PREDEFINED LIQUIDITY TRANSFER ORDER NEW

Order Reference: SO from T25

Valid From: 2023-05-17

Amount: [Empty]

Dedicated Amount:

Order Type: Standing

Event Type: OCSW

Creditor Account Type: Cash Account

Creditor Cash Account Number: RPTEURBANKPTPLXXX0001001

AS Procedure: [Empty]

Valid To: yyyy-mm-dd

Currency: EUR

All Cash:

Execution Time: 00 : 00

Debited Cash Account Number: CPTEURBANKPTPLXXX0001001

Submit, Reset, Cancel

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Update Standing Liquidity Transfer Order

User reaches the CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects as Order type “Standing”.

STANDING/PREDEFINED LIQUIDITY TRANSFER ORDERS

Status: Active

Parent BIC: Choose BIC

Party BIC: Choose BIC

Order Reference: [Empty]

Creditor Cash Account Number: Choose...

Debited Cash Account Number: Choose...

Order type: Standing

Amount From: [Empty]

Amount To: [Empty]

AS Procedure: [Empty]

Valid From From: yyyy-mm-dd

Valid From To: yyyy-mm-dd

Valid To From: yyyy-mm-dd

Valid To To: yyyy-mm-dd

Search, Reset, + New

The user will be redirected to the list of standing orders defined. After selection the standing order that shall be updated, the user should select the option edit. This will allow to change the Valid to and the amount. The user shall perform the desired change and press the Submit button.

[Hint: As the goal of the next step is to delete the standing order for liquidity transfer, the valid date should be changed to the current business date.]

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After

validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 – Delete Standig Liquidity Transfer Order

User reaches the CRDM screen *Common >> Cash >> Standing/Predefined Liquidity Transfer Order >> Search* and selects as Order type “Standing”.

The user will be redirected to the list of standing orders defined. After selection the standing order that shall be deleted, the user should select the option delete.

If the action is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes >* select the option “Awaiting Approval” on the status field > use the button *Search >* choose the relevant change in the list displayed > press the button *Details*. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.17 CRDM.U2A.017 - Manage Bilateral Limit (standing order)

ID	CRDM.U2A.017
Name	Manage bilateral Limit (standing order)
Applicable to	RTGS DCA holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Liquidity Manager • AH CRDM Reader
Test Evidence	Printscreen of the configuration of the bilateral limit

Description:

To create, update and delete a bilateral limit, the user shall:

Step 1 – Create the bilateral limit

User reaches the CRDM screen *Common >> Cash >> Limits >> Search* and selects the option New. On the screen displayed, the following fields are of mandatory filling:

- **Limit Type:** to fill in with “T2 Bilateral Limit”;
- **Cash account number:** list of cash accounts belonging to the user’s entity;
- **Authorised BIC:** not to be filled in for “T2 Bilateral Limit”;
- **Limit amount:** amount of the limit;
- **Valid From:** date as of the limit shall be valid;
- **To Account BIC:** account BIC towards which the limit is defined.

Once done, the user shall select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Update bilateral limit

User reaches CRDM screen *Common >> Cash >> Limits >> Search*. Once on there, the user shall select the limit type “T2 Bilateral Limit” and the Cash account number. After pressing the Submit button, the list of limits defined is displayed. The user shall choose the desired limit and press the option Details. The user can then change the information needed and submit the change.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 – Delete Bilateral limit

User reaches CRDM screen *Common >> Cash >> Limits >> Search*. Once on there, the user shall select the limit type “T2 Bilateral Limit” and the Cash account number. After pressing the Submit button, the list of limits defined is displayed. The user shall choose the desired limit and press the option Delete.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.18 CRDM.U2A.018 - Manage Multilateral Limits (standing order)

ID	CRDM.U2A.018
Name	Manage multilateral Limit (standing order)
Applicable to	RTGS DCA holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Liquidity Manager • AH CRDM Reader
Test Evidence	Printscreen of the configuration of the multilateral limit

Description:

To create, update and delete a multilateral limit, the user shall:

Step 1 – Create the multilateral limit

User reaches the CRDM screen *Common >> Cash >> Limits >> Search* and selects the option New. On the screen displayed, the following fields are of mandatory filling:

- **Limit Type:** to fill in with “T2 multilateral Limit”;
- **Cash account number:** list of cash accounts belonging to the user’s entity;
- **Authorised BIC:** not to be filled in for “T2 multilateral Limit” ;
- **Limit amount:** amount of the limit;
- **Valid From:** date as of the limit shall be valid;
- **To Account BIC:** cannot be filled in for “T2 multilateral Limit”.

Once done, the user shall select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes* > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Update multilateral limit

User reaches CRDM screen *Common >> Cash >> Limits >> Search*. Once on there, the user shall select the limit type “T2 multilateral Limit” and the Cash account number. After pressing the Submit button, the list of limits defined is displayed. The user shall choose the desired limit and press the option Details. The user can then change the information needed and submit the change.

If the action is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes* > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 – Delete Multilateral limit

User reaches CRDM screen *Common >> Cash >> Limits >> Search*. Once on there, the user shall select the limit type “T2 multilateral Limit” and the Cash account number. After pressing the Submit button, the list of limits defined is displayed. The user shall choose the desired limit and press the option Delete.

If the action is done following the four-eyes principle, the second user shall: go to screen *Common>>Services>>Data Changes* > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating

the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.19 CRDM.U2A.019 - Manage standing order for reservation

ID	CRDM.U2A.019
Name	Manage standing order for reservation
Applicable to	RTGS DCA holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CRDM Liquidity Manager • AH CRDM Reader
Test Evidence	Printscreen of the configuration of the standing order for reservation

Description:

To create, update and delete a standing order for reservation, the user shall:

Step 1 – Create the standing order for reservation

User reaches CRDM screen *T2 >> Cash >> Standing Order for Reservation* and selects the option New. On the screen displayed, the following fields are mandatory:

- **Cash account number:** list of cash accounts belonging to the user's entity (or to the entities co-managed by the user's entity);
- **Amount:** amount to be reserved;
- **Priority:** fill in with High or Urgent, depending if the reservation is for payments with high or urgent priority;
- **Valid From:** date as of the reservation is valid.

Once done, the user shall press the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option "Awaiting Approval" on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 2 – Update of standing order for reservation

User reaches CRDM screen *T2 >> Cash >> Standing Order for Reservation*, fills in the search criteria and presses the Submit button. When the list of standing orders for reservation is displayed, the user shall select the one to be changed, press the Edit button and change the amount of the standing order for reservation. Once done, the user will select the Submit button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

Step 3 – Deletion of standing order for reservation

User reaches CRDMscreen T2 >>Cash >> *Standing Order for Reservation*, fills in the search criteria and presses the Submit button. When the list of standing orders for reservation is displayed, the user shall select the one to be deleted and press the Delete button.

If the action is done following the four-eyes principle, the second user shall: go to screen Common>>Services>>Data Changes > select the option “Awaiting Approval” on the status field > use the button Search > choose the relevant change in the list displayed > press the button Details. After validating the information, the second user approves the change or rejects it in case any incoherence is spotted. If the change is rejected, the previous step has to be correctly repeated.

2.2.1.20 CRDM.U2A.020 - Query RTGS Directory

ID	CRDM.U2A.020
Name	Query RTGS Directory
Applicable to	RTGS DCA holder
Pre-conditions	User should have been granted the role AH CRDM Reader
Test Evidence	Printscreen of the query (RTGS directory screen)

Description:

To query the RTGS directory, the user shall reach CRDMscreen T2 >> Configuration >> RTGS Directory >> Search. The user might fill in some of the search criteria or just press the Search button without specifying search criteria.

After pressing the search button, the list of records of the RTGS Directory will be displayed.

Hint: via this screen the user can download the full or the delta version of the last RTGS directory, as well as the full or the delta version of the previous RTGS directory.

2.2.1.21 CRDM.U2A.021 - Create DN-BIC Routing

ID	CRDM.U2A.021
Name	Create DN-BIC Routing
Applicable to	RTGS DCA holder
Pre-conditions	User should have been granted the role AH Access Rights Admin 2/4E

Test Evidence	Printscreen of the created DN-BIC routing
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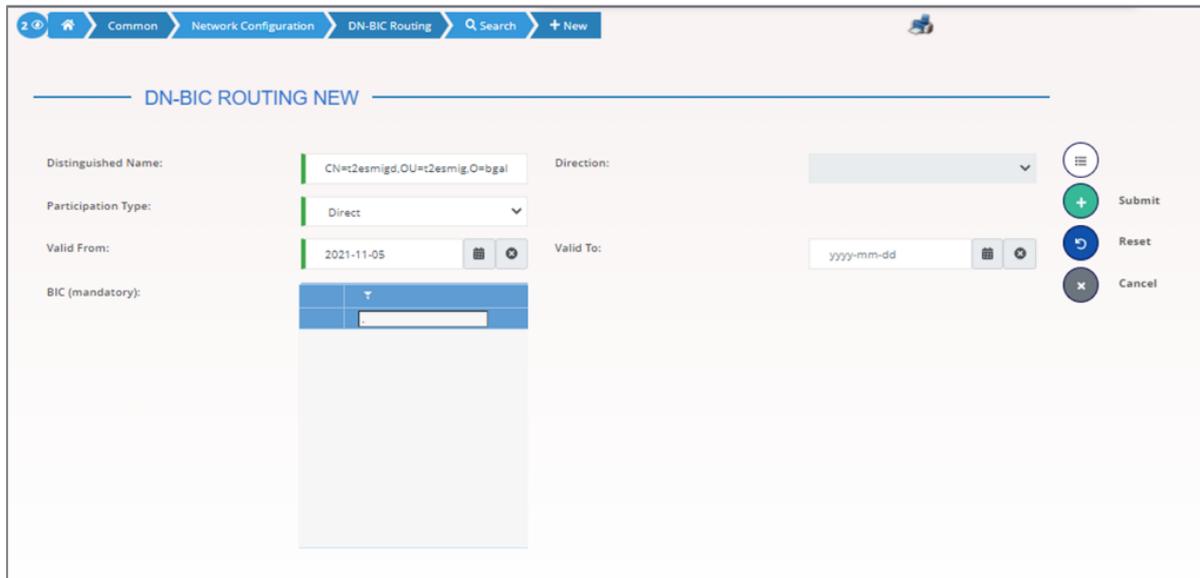
Description:

DN-BIC Routing configuration must be created to define which Distinguished Names (DN) are authorized to interact with the platform in A2A mode, both for inbound and outbound message exchange. This configuration is available for CLM, RTGS and TIPS.

In this step we will focus on the configuration for CLM and RTGS:

User will access CRDM screen **Common >> Network Configuration >> DN-BIC Routing** and click on **New** button. Once on the new screen, the following fields are of mandatory filling:

- **Distinguished Name** – fill in with the DN that will be used by the system to allow inbound and outbound payment related messages (e.g. pacs.008, pacs.009, ...);
- **Participation type** – Direct;
- **Valid From** – Select/Fill in (should be equal to, or greater than the one defined for the AAU BIC);
- **BIC** – fill in with AAU BIC (assisted search).



Once done, the user will select the Submit button.

The second user will then go to **Common >> Services >> Data Changes**, select the option “Awaiting Approval” on the status field and use the button Search. The second user will then choose the relevant change and choose the button Details. After validating the information, the second user will approve the change. If the second user spots any error, the task should be rejected, and the previous step should be correctly repeated.

In the configuration for TIPS:

- The institution's application user must have the flag "Main user" (see chapter CRDM.U2A.003);
- The "Participation Type" field should not be filled in;
- The “Direction” field should be fill in (option inbound and outbound);

- At least two configurations should be performed, one with the inbound option and another with the outbound option.

2.2.1.22 CRDM.U2A.022 - Create Routing

ID	CRDM.U2A.022
Name	Create Routing
Applicable to	RTGS DCA holder
Pre-conditions	User should have been granted the role AH CRDM Configuration Manager 2E/4E
Test Evidence	Printscreen of the created routing

Description:

Routing configuration can be configured to define the Distinguished Name (DN) to be used for sending messages in A2A for a given network service.

One can set the Routing for each Network Service (FILESNF, MSGRT, MSGSNF) for each subscribed service (CRDM, CLM, RTGS, BDM), i.e. create three routings for CRDM, three routings for RTGS etc., or set only the Routing you need based on the subscribed messages.

The user will access CRDM screen [Common >> Network Configuration >> Routing](#) and click on New button.

Once on the new screen, the following fields are of mandatory filling:

- **Description** – fill in with a description for the routing configuration;
- **Network Service** – select the network service needed;
- **Parent BIC** – fill in BGALPTTGXXX;
- **Party BIC** – fill in with the Party BIC;
- **Technical Address** – select the DN (only the ones used in the Party Technical Address Service Link will be available) ;
- Select the box **Default routing**;

The screenshot shows the 'ROUTING NEW' form in the Target system. The form is titled 'ROUTING NEW' and has a breadcrumb trail: Common > Network Configuration > Routing > Search > + New. The form fields are as follows:

- Description:** Routing
- Network Service:** T2CRDM.SWIFT.FILESNF
- Parent BIC:** BGALPTTGXXX
- Party BIC:** BESCPTLXXX
- Technical Address:** cn=sbsa2at.ou=esmig.o=bescptl.o=
- Default Routing:**
- Compression Flag:** (dropdown menu)
- Sequence:** (text input)
- Size (lower bound):** (text input)
- Size (upper bound):** (text input)
- Currency:** All
- Message Type:** Choose..
- Positive:**

On the right side of the form, there are three buttons: Submit (green plus icon), Reset (blue refresh icon), and Cancel (grey X icon).

Once done, the user will select the Submit button.

The second user will then go to Common>>Services>>Data Changes, select the option "Awaiting Approval" on the status field and use the button Search. The second user will then choose the relevant change and choose the button Details. After validating the information, the second user will approve the change. If the second user spots any error, the task should be rejected, and the previous step should be correctly repeated.

To set the routing for each NetworkService this process has to be repeated for all the Network Services in the table below.

CRDM	CLM	RTGS	BDM
T2CRDM.SWIFT.FILESNF	T2CLM.SWIFT.FILESNF	T2RTGS.SWIFT.FILESNF	T2BDM.SWIFT.FILESNF
T2CRDM.SWIFT.MSGSNF	T2CLM.SWIFT.MSGSNF	T2RTGS.SWIFT.MSGSNF	T2BDM.SWIFT.MSGSNF
T2CRDM.SWIFT.MSGRT	T2CLM.SWIFT.MSGRT	T2RTGS.SWIFT.MSGRT	T2BDM.SWIFT.MSGRT

2.2.1.23 CRDM.U2A.0023 – Manage CMB limit

ID	CRDM.U2A.023
Name	Configuration of CMB limit
Applicable to	TIPS Participant responsible for Reachable Parties
Pre-conditions	The CMB needs to be previously configured by Banco de Portugal (requested via registration form) User needs to have access to SLIM
Test Evidence	Printscreen of the configuration of the CMB limit

Description:

The update and elimination of a CMB limit, in CRDM, is done by Banco de Portugal.

The user shall **fill and send to Banco de Portugal the "CRDM - Action Request" form**:

- The form is available for download in SLIM;
- In the form: fill in only the "Limit" block, choose the "Edit" option, fill in the "Limit Amount" field with new amount, as well as all the mandatory fields;
- The form has to be sent to Banco de Portugal via SLIM. SLIM follows the four-eyes principle, which means that two users are needed to submit the request.

Note: Whenever in the production environment carry out the TIPS.A2A.016, the participant must adjust the CMB in the CRDM. To do this, the participant must carry out also the CRDM.U2A.023 in order to fix the new CMB limit.

2.2.2 Application-to-Application (A2A)

2.2.2.1 CRDM.A2A.001 - Receive RTGS Directory

ID	CRDM.A2A.001
Name	Receive RTGS Directory
Applicable to	RTGS DCA holder
Pre-conditions	The report configuration that enables the reception of the RTGS Directory (as per test case CRDM.U2A.006) should have been done previously and be in active status
Test Evidence	Copy of the received RTGS directory

Description:

Around one hour before the RTGS interbank cut-off, as per configuration, the participant receives the RTGS directory in push mode (i.e., the file is sent to the participant).

Upon reception of the RTGS Directory, it shall be checked that it was correctly integrated in the internal applications.

Hint 1: The RTGS Directory content is embedded into a XML envelope: for the full version, the identifier of the xml envelope is reda.xxx.rtgs.dirfull and, for the delta version, the identifier of the xml envelope is reda.xxx.rtgs.dirupdate.

Hint 2: The name of the file is as follows: RTGSXXXTTTTYYYYMMDD where, XXX is the currency related to the records included in the directory, TTTT is the type of file (FULL for the full version and DLTA for the delta version) and YYYYMMDD specifies the year, month and day as of which the RTGS Directory is valid.

2.2.2.2 CRDM.A2A.002 - Receive TIPS Directory

ID	CRDM.A2A.002
Name	Receive TIPS Directory
Applicable to	TIPS Account holder
Pre-conditions	The report configuration that enables the reception of the TIPS Directory (as per test case CRDM.U2A.007) should have been done previously and be in active status.
Test Evidence	Copy of the received TIPS directory

Description:

As per configuration, the participant receives the TIPS directory in push mode (i.e., the file is sent to the participant).

Upon reception of the TIPS Directory, it shall be checked that it was correctly integrated in the internal applications.

Hint 1: The TIPS Directory content is embedded into a XML envelope: for the full version, the identifier of the xml envelope is `reda.xxx.tips.dirfull` and, for the delta version, the identifier of the xml envelope is `reda.xxx.tips.dirupdate`.

Hint 2: The name of the file is as follows: `TIPSDIRTTTTYYYYMMDD` where `TTTT` is the type of file (`FULL` for the full version and `DLTA` for the delta version) and `YYYYMMDD` specifies the year, month and day as of which the TIPS Directory is valid.

2.3 CLM - Central Liquidity Management

2.3.1 User-to-Application (U2A)

2.3.1.1 CLM.U2A.001 - CLM Access

ID	CLM.U2A.001
Name	CLM access
Applicable to	MCA holders
Pre-conditions	User should have been granted the role AH ESMIG Access
Test Evidence	Printscreen of the CLM homepage

Description:

User should access the ESMIG landing page > select the service “T2” in the services area > Select “CLM” in the component or application area > select the respective system user reference in the “system user” area > press the Submit button.

The screenshot displays the 'Services List' interface. At the top, it says 'Choose an Application and your System User Reference'. Below this, there are three main sections:

- Choose a Service:** A horizontal list of services. 'TIPS' is unselected, and 'T2' is selected with a green checkmark.
- Choose Component or Application:** A vertical list of components. 'Business Day Management', 'CRDM', 'Data Warehouse', and 'RTGS' are unselected. 'CLM' is selected with a green checkmark.
- Choose a System User:** A search box with the text 'Search for user...'. Below it, the system user 'CPTB@GALTPXXXXPGU084' is selected with a green checkmark.

At the bottom left, there is a blue 'Submit' button.

Once done, the user will be redirected to CLM.

2.3.1.2 CLM.U2A.002 - Query available liquidity

ID	CLM.U2A.002
Name	Query available liquidity
Applicable to	MCA holders
Pre-conditions	User should have been granted the role AH CLM Reader
Test Evidence	Printscreen of the query with available liquidity (display CLM cash account liquidity screen)

Description:

To query the available liquidity via CLM the user should reach the screen Liquidity >> Query CLM Cash Account Liquidity >> [Submit] >> Display CLM Cash Account Liquidity.

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.

2.3.1.3 CLM.U2A.003 - Process liquidity transfer order between two MCAs

ID	CLM.U2A.003
Name	Process liquidity transfer order between two MCAs
Applicable to	MCA holders
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager The two MCAs belong to the same liquidity transfer group
Test Evidence	Printscreen of the liquidity transfer order (cash transfer details screen) or its instruction reference

Description:

The following steps are required to insert a liquidity transfer between two MCAs:

Step 1 – Insert liquidity transfer order between two MCAs

The user shall reach screen Liquidity >> New Liquidity Transfer and fill in the mandatory fields:

- **Liquidity Transfer Account Information>>Debit Account >> Account number:** to be filled in with the MCA to be debited.
- **Liquidity Transfer Account Information>> Credit Account >> Account number:** to be filled in with the MCA to be credited. [Hint: it is only possible to perform liquidity transfers between MCAs belonging to the same liquidity transfer group]
- **Amount:** amount to be transferred.

- **End to End ID:** identification of the liquidity transfer that will be passed on throughout the entire end-to-end chain.

Once done, the user should press the Submit button. The notification area shows whether the submission of the liquidity transfer order has been completed.

If the liquidity transfer has been inserted following the four-eyes principle, the second user shall go to screen *Administration* >> *Query Task Queue* > fill in the relevant search criteria [**hint:** it might be enough to select the status "Awaiting Approval" on the status field] > press the button Search > choose the relevant liquidity transfer > press the button Details. After validating the information, the second user approves the liquidity transfer or rejects it in case any incoherence is spotted. If the liquidity transfer is rejected, the previous step has to be correctly repeated.

Step 2 – Query liquidity transfer orders

To query the liquidity transfer, the user reaches the screen *Cash Transfers and Messages* >> *Query Cash Transfers* and presses the Submit button. After reaching the screen, the user should check if liquidity transfer order is settled.

2.3.1.4 CLM.U2A.004 - Process liquidity transfer order between a MCA and a RTGS DCA

ID	CLM.U2A.004
Name	Process liquidity transfer order between a MCA and a RTGS DCA
Applicable to	MCA holders (except for institutions having an MCA only; for cash withdrawals or for the fulfillment of minimum reserves.)
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Printscreen of the liquidity transfer order (cash transfer details screen) or its instruction reference

Description:

The following steps are required to insert a liquidity transfer between a MCA and a RTGS DCA:

Step 1 – Insert liquidity transfer order between a MCA and a RTGS DCA

The user shall reach screen Liquidity >> New Liquidity Transfer and fill in the mandatory fields:

- **Liquidity Transfer Account Information** >> **Debit Account** >> **Account number:** to be filled in with the MCA to be debited.
- **Liquidity Transfer Account Information** >> **Credit Account** >> **Account number:** to be filled in with the RTGS DCA to be credited.
- **Amount:** amount to be transferred.

- **End to End ID:** identification of the liquidity transfer that will be passed on throughout the entire end-to-end chain.

Once done, the user should press the Submit button. The notification area shows whether the submission of the liquidity transfer order has been completed.

If the liquidity transfer has been inserted following the four-eyes principle, the second user shall go to screen Administration>>Query Task Queue > fill in the relevant search criteria [hint: it might be enough to select the status "Awaiting Approval" on the status field] > press the button Search > choose the relevant liquidity transfer > press the button Details. After validating the information, the second user approves the liquidity transfer or rejects it in case any incoherence is spotted. If the liquidity transfer is rejected, the previous step has to be correctly repeated.

Step 2 – Query liquidity transfer orders

To query the liquidity transfer orders, the user shall reach the screen *Cash Transfers and Messages* >> *Query Cash Transfers* and presses the Submit button. After reaching the screen, the user should check if liquidity transfer order is settled.

2.3.1.5 CLM.U2A.005 - Process liquidity transfer order between a MCA and a T2S DCA

ID	CLM.U2A.005
Name	Process liquidity transfer order between a MCA and a T2S DCA
Applicable to	MCA holders (except for institutions having an MCA only; for cash withdrawals or for the fulfillment of minimum reserves.)
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Printscreen of the liquidity transfer (cash transfer details screen) order or its instruction reference

Description:

The following steps are required to insert a liquidity transfer between a MCA and a T2S DCA:

Step 1 – Insert liquidity transfer order between a MCA and a T2S DCA

The user shall reach screen Liquidity >> New Liquidity Transfer and fill in the mandatory fields:

- **Liquidity Transfer Account Information>>Debit Account >> Account number:** to be filled in with the MCA to be debited.
- **Liquidity Transfer Account Information>> Credit Account >> Account number:** to be filled in with the T2S DCA to be credited.

- **Amount:** amount to be transferred.
- **End to End ID:** identification of the liquidity transfer that will be passed on throughout the entire end-to-end chain.

Once done, the user should press the Submit button. The notification area shows whether the submission of the liquidity transfer order has been completed.

If the liquidity transfer has been inserted following the four-eyes principle, the second user shall go to screen Administration >> Query Task Queue > fill in the relevant search criteria [hint: it might be enough to select the status "Awaiting Approval" on the status field] > press the button Search > choose the relevant liquidity transfer > press the button Details. After validating the information, the second user approves the liquidity transfer or rejects it in case any incoherence is spotted. If the liquidity transfer is rejected, the previous step has to be correctly repeated.

Step 2 – Query liquidity transfer orders

To query the liquidity transfer orders, the user shall reach the screen *Cash Transfers and Messages >> Query Cash Transfers* and presses the Submit button. After reaching the screen, the user should check if liquidity transfer order is settled.

2.3.1.6 CLM.U2A.006 - Process liquidity transfer order between a MCA and TIPS DCA

ID	CLM.U2A.006
Name	Process liquidity transfer order between a MCA and a TIPS DCA
Applicable to	MCA holders (except for institutions having an MCA only; for cash withdrawals or for the fulfillment of minimum reserves.)
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Printscreen of the liquidity transfer order (cash transfer details screen) or its instruction reference

Description:

The following steps are required to insert a liquidity transfer between a MCA and a TIPS DCA:

Step 1 – Insert liquidity transfer order between a MCA and a TIPS DCA

The user shall reach screen Liquidity >> New Liquidity Transfer and fill in the mandatory fields:

- **Liquidity Transfer Account Information >> Debit Account >> Account number:** to be filled in with the MCA to be debited.

- **Liquidity Transfer Account Information>> Credit Account >> Account number:** to be filled in with the T2S or TIPS DCA to be credited.
- **Amount:** amount to be transferred.
- **End to End ID:** identification of the liquidity transfer that will be passed on throughout the entire end-to-end chain.

Once done, the user should press the Submit button. The notification area shows whether the submission of the liquidity transfer order has been completed.

If the liquidity transfer has been inserted following the four-eyes principle, the second user shall go to screen Administration>>Query Task Queue > fill in the relevant search criteria [hint: it might be enough to select the status "Awaiting Approval" on the status field] > press the button Search > choose the relevant liquidity transfer > press the button Details. After validating the information, the second user approves the liquidity transfer or rejects it in case any incoherence is spotted. If the liquidity transfer is rejected, the previous step has to be correctly repeated.

Step 2 – Query liquidity transfer orders To query the liquidity transfer orders, the user shall reach the screen *Cash Transfers and Messages >> Query Cash Transfers* and presses the Submit button. After reaching the screen, the user should check if liquidity transfer order is settled.

2.3.1.7 CLM.U2A.007 - Credit line management

ID	CLM.U2A.007
Name	Credit line management
Applicable to	MCA holders with a credit line
Pre-conditions	User should have been granted the role AH CLM Reader The test is only applicable to MCA holders with Credit Line, i.e., in Party Service Link for Service CLM, the Intradaycredit Indicator = Yes. Furthermore, the MCA holder has to have a MCA where flag MCA default = Yes
Test Evidence	Printscreen of the credit line before and after the change (list of credit line per account holder screen)

Description:

To increase/decrease and verify the increase of the credit line, the MCA holder shall:

Step 1 – Increase or Decrease credit line

Request a increase/decrease of the intraday credit line via COLMS, Banco de Portugal's collateral management system.

Step 2 – Query credit line increase/decrease

The user should reach the screen Liquidity>>Query Credit Line per account holder (it might fill in some search criteria or not; there are no mandatory search criteria) and confirm that credit line was increased/decreased.

2.3.1.8 CLM.U2A.008 - Process overnight deposit

ID	CLM.U2A.008
Name	Process overnight deposit
Applicable to	MCA holders with an overnight deposit account
Pre-conditions	User should have been granted roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Printscreen of the overnight deposit (list of cash transfers screen) or its instruction reference

Description:

To process an overnight deposit, the user shall:

Step 1 – Insert overnight deposit

User reaches CLM screen *Liquidity >> New Liquidity Transfer*. In the screen displayed, the following fields are mandatory:

- **Liquidity Transfer Account Information>> Debit Account>> Account number:** to fill in with the cash account to be debited (MCA, RTGS DCA, T2S DCA or TIPS DCA).
- **Liquidity Transfer Account Information>> Credit Account >> Account number:** to fill in with the cash account to be credited, the overnight deposit account of the MCA holder .
- **Amount:** amount of the overnight deposit.
- **End to Ent ID:** reference of the overnight deposit that will be passed on in the end-to-end chain.

Once done, the user shall press the Submit button.

If the overnight deposit has been inserted following the four-eyes principle, the second user shall go to screen *Administration>>Query Task Queue* > fill in the relevant search criteria [hint: it might be enough to select the status "Awaiting Approval" on the status field] > press the button Search > choose the relevant overnight deposit > press the button Details. After validating the information, the second user approves the overnight deposit or rejects it in case any incoherence is spotted. If the overnight deposit is rejected, the previous step has to be correctly repeated.

Step 2 – Query Overnight Deposit

To confirm that the overnight deposit has been correctly settled, the user shall reach screen *Query Standing Facilities*, fill in the query the search criteria “Party BIC” with the BIC of the MCA holder and, in the list displayed, check that the overnight deposit was settled.

On the next business day, the user shall confirm the settlement of the the overnight deposit reimbursement via the screen *Query Standing Facilities* and the processing of interest via the CLM screen *Cash Transfers and Messages >> Cash Transfers*.

2.3.1.9 CLM.U2A.009 - Process reverse overnight deposit

ID	CLM.U2A.009
Name	Process reverse overnight deposit
Applicable to	MCA holders with an overnight deposit account.
Pre-conditions	User should have been granted roles : <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Printscreen of the reverse overnight deposit (list of cash transfers screen) or its instruction reference

Description:

To process a reverse overnight deposit, the user shall:

Step 1 – Insert reverse overnight deposit

User reaches CLM screen *Liquidity >> New Liquidity Transfer*. In the screen displayed, the following fields are mandatory:

- **Liquidity Transfer Account Information >> Debit Account >> Account number:** to fill in with the cash account to be credited, the overnight deposit account of the MCA holder.
- **Liquidity Transfer Account Information >> Credit Account >> Account number:** to fill in with the cash account to be debited (MCA, RTGS DCA, T2S DCA or TIPS DCA).
- **Amount:** amount of the reverse overnight deposit.
- **End to End ID:** reference of the reverse overnight deposit that will be passed on in the end-to-end chain.

Once done, the user shall press the Submit button.

If the reverse overnight deposit has been inserted following the four-eyes principle, the second user shall go to screen *Administration >> Query Task Queue* > fill in the relevant search criteria [hint: it might be enough to select the status “Awaiting Approval” on the status field] > press the button Search > choose the relevant reverse overnight deposit > press the button Details. After validating the information, the second user

approves the reverse overnight deposit or rejects it in case any incoherence is spotted. If the reverse overnight deposit is rejected, the previous step has to be correctly repeated.

Step 2 – Query reverse overnight deposit

To confirm that the reverse overnight deposit has been correctly settled, the user shall reach screen *Query Standing Facilities*, fill in the query the search criteria “Party BIC” with the BIC of the MCA holder and, in the list displayed, check that the reverse overnight deposit was settled.

2.3.1.10 CLM.U2A.010 - Process marginal lending on request

ID	CLM.U2A.010
Name	Process marginal lending on request
Applicable to	MCA holders with an marginal lending account
Pre-conditions	User should have been granted roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Printscreen of the marginal lending (list of cash transfers screen) its instruction reference

Description:

To process a marginal lending account on request, the MCA holder shall:

Step 1 – Insert marginal lending on request

Request a marginal lending via COLMS, Banco de Portugal’s collateral management system;

Step 2 – Query marginal lending on request

To confirm that the marginal lending has been correctly settled, the user shall reach screen CLM screen *Query Standing Facilities*, fill in the query the search criteria “party BIC” with the BIC of the MCA holder and, in the list displayed, check that the marginal lending was settled.

On the next business day, the user shall confirm the settlement of the the marginal lending reimbursement via the screen *Query Standing Facilities* and the processing of interest via the CLM screen *Cash Transfers and Messages >> Cash Transfers*.

2.3.1.11 CLM.U2A.011 - Process automatic marginal lending

ID	CLM.U2A.011
Name	Process Automatic marginal lending
Applicable to	MCA holders
Pre-conditions	User should have been granted the role AH CLM Reader
Test Evidence	Printscreen of the marginal lending (list of cash transfers screen) its instruction reference

Description:

To process an automatic marginal lending account, the MCA holder shall:

Step 1 – Use intraday credit during the business day and do not reimburse it until the interbank cut-off;

Step 2 – To confirm that the automatic marginal lending has been correctly settled, the user shall reach screen CLM screen *Query Standing Facilities*, fill in the query the search criteria “Party BIC” with the BIC of the MCA holder and, in the list displayed, check that the automatic marginal lending was settled;

[Hint: via the CLM screen the user can also confirm that the MCA balance was squared and that the credit line was decreased via the screen *Liquidity >> Query CLM cash account liquidity*]

Step 3 – On the next business day, the user shall confirm the settlement of the the automatic marginal lending reimbursement via the screen *Query Standing Facilities* and the processing of interest via the CLM screen *Cash Transfers and Messages >> Cash Transfers*.

2.3.2 Application-to-Application (A2A)

2.3.2.1 CLM.A2A.001 - Query available liquidity

ID	CLM.A2A.001
Name	Query available liquidity
Applicable to	MCA holders with A2A connection
Pre-conditions	A2A User should have been granted the role AH CLM Reader
Test Evidence	Copy of the sent camt.003 and the received camt.004

Description:

To query the available liquidity via CLM in A2A mode, the participant shall:

1. Send a camt.003 - GetAccount message;
2. Upon reception of the response, a camt.004 - ReturnAccount, it shall be checked that it was correctly integrated in the internal applications.

2.3.2.2 CLM.A2A.002 - Process interbank payment

ID	CLM.A2A.002
Name	Process interbank payment
Applicable to	MCA holders with A2A connection
Pre-conditions	Request Banco de Portugal to send a pacs.009

Test Evidence	Copy of the received pacs.009 and camt.054
----------------------	--

Description:

To receive a pacs.009 –interbank payment, the following steps should be followed:

1. Request Banco de Portugal to send a pacs.009 to the participant, via the e-mail target@bportugal
[Hint: participants should request Banco de Portugal to send a pacs.009 and a pacs.010 all at once];
2. Upon Banco de Portugal’s confirmation that the payment was sent, the participant should confirm the reception and integration in the internal applications of a camt.054, informing about the credit.

2.3.2.3 CLM.A2A.003 - Process Direct debit from the Central Bank

ID	CLM.A2A.003
Name	Process direct debit from the Central Bank
Applicable to	MCA holders with A2A connection
Pre-conditions	Request Banco de Portugal to send a pacs.010
Test Evidence	Copy of the received pacs.010 and camt.054

Description:

To receive a pacs.010 – Direct debit, the following steps should be followed:

1. Request Banco de Portugal to send a pacs.010 to the participant, via the e-mail target@bportugal
[Hint: participants should request Banco de Portugal to send a pacs.009 and a pacs.010 all at once];
2. Upon Banco de Portugal’s confirmation that the payment was sent, the participant should confirm the reception and integration in the internal applications of a camt.054, informing about the debit.

2.3.2.4 CLM.A2A.004 - Send a liquidity transfer order from one MCA to another MCA

ID	CLM.A2A.004
Name	Process liquidity transfer order from one MCA to another MCA
Applicable to	MCA holders with A2A connection
Pre-conditions	A2A User should have been granted the role AH CLM Reader The two MCAs belong to the same liquidity transfer group
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a MCA to another MCA:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the MCA to be debited and tag Credit Account >> Account number is filled in with number of the MCA to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the MCA holder .

2.3.2.5 CLM.A2A.005 - Send a liquidity transfer order from one MCA to a RTGS DCA

ID	CLM.A2A.005
Name	Process liquidity transfer order from one MCA to a RTGS DCA
Applicable to	MCA holders with A2A connection
Pre-conditions	A2A User should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a MCA to a RTGS DCA:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the MCA to be debited and tag Credit Account >> Account number is filled in with number of the RTGS DCA to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the MCA holder.

2.3.2.6 CLM.A2A.006 - Send a liquidity transfer order from one MCA to a T2S DCA

ID	CLM.A2A.006
Name	Process liquidity transfer order from one MCA to a T2S DCA
Applicable to	MCA holders with A2A connection
Pre-conditions	A2A User should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a MCA to a T2S DCA:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the MCA to be debited and tag Credit Account >> Account number is filled in with number of the T2S DCA to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the MCA holder.

2.3.2.7 CLM.A2A.007 - Send a liquidity transfer order from one MCA to a TIPS DCA

ID	CLM.A2A.007
Name	Process liquidity transfer order from one MCA to a TIPS DCA
Applicable to	MCA holders with A2A connection
Pre-conditions	A2A User should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a MCA to a TIPS DCA:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the MCA to be debited and tag Credit Account >> Account number is filled in with number of the TIPS DCA to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the MCA holder.

2.3.2.8 CLM.A2A.008 - Receive liquidity transfer order (from another MCA, a RTGS, T2S or TIPS DCA)

ID	CLM.A2A.008
Name	Receive liquidity transfer order (from another MCA, a RTGS, T2S or a TIPS DCA)
Applicable to	MCA holders with A2A connection
Pre-conditions	A2A user and additional reference data configuration for A2A purposes must be in place
Test Evidence	Copy of the received camt.054

Description:

To receive a liquidity transfer crediting the MCA and debiting another MCA, a RTGS, T2S or a TIPS DCA, the following steps should be followed:

1. If the MCA holder has another MCA, RTGS, T2S or a TIPS DCA, can send a liquidity transfer from such account to the MCA. If not, it can request another participant (holding such type of accounts) or Banco de Portugal to send those liquidity transfers;
2. Upon confirmation that the liquidity transfer was sent, the participant should confirm the reception and integration in the internal applications of a camt.054, informing about the credit in the MCA.

2.3.2.9 CLM.A2A.009 - Credit line management

ID	CLM.A2A.009
Name	Credit line management
Applicable to	MCA holders with A2A connection and a credit line
Pre-conditions	<p>A2A User should have been granted the role AH CLM Reader</p> <p>The test is only applicable to MCA holders with Credit Line, i.e., in Party Service Link for Service CLM, the Intraday credit Indicator = Yes. Furthermore, the MCA holder has to have a MCA where flag MCA default = Yes</p> <p>The MCA holder has subscribed the reception of messages camt.054 - BankToCustomerDebitCreditNotification</p>
Test Evidence	Copy of the received camt.054

Description:

To increase/decrease and verify the increase of the credit line in A2A mode, the MCA holder shall:

Step 1 – Request a increase/decrease of the intraday credit line via the screens of COLMS, Banco de Portugal's collateral management system;

Step 2 – In case of a credit line increased/decreased, the participant shall confirm the reception and integration in the internal applications of a camt.054 - BankToCustomerDebitCreditNotification, informing about the credit line increase/decrease.

2.3.2.10 CLM.A2A.010 - Process overnight deposit

ID	CLM.A2A.010
Name	Process overnight deposit
Applicable to	MCA holders with A2A connection and an overnight deposit account
Pre-conditions	<p>A2A User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager <p>The MCA holder has subscribed the reception of messages camt.054 - BankToCustomerDebitCreditNotification</p>
Test Evidence	Copy of the sent camt.050 and the received camt.054

Description:

To process an overnight deposit in A2A mode, the participant shall:

Step 1 – Send a camt.050 to debit the MCA and credit the overnight deposit account;

Step 2 – Upon reception of a camt.054 – BankToCustomerDebitCreditNotification, notifying about the debit in the MCA, it shall be checked that it was correctly integrated in the internal applications;

Step 3 – On the next business day, the participant shall receive a camt.054 – BankToCustomerDebitCreditNotification confirming the credit in the MCA stemming from the settlement of the the overnight deposit reimbursement as well as the camt.054 - BankToCustomerDebitCreditNotification related with the processing of interest.

2.3.2.11 CLM.A2A.011 - Process reverse overnight deposit

ID	CLM.A2A.011
Name	Process reverse overnight deposit
Applicable to	MCA holders with an overnight deposit account
Pre-conditions	A2A User should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager The MCA holder has subscribed the reception of messages camt.054 - BankToCustomerDebitCreditNotification
Test Evidence	Copy of the sent camt.050 and the received camt.054

Description:

To process a reverse overnight deposit in A2A mode, the participant shall:

Step 1 – Send a camt.050 to debit the overnight deposit account and credit the MCA;

Step 2 – Upon reception of a camt.054 – BankToCustomerDebitCreditNotification, notifying about the credit in the MCA, it shall be checked that it was correctly integrated in the internal applications.

2.3.2.12 CLM.A2A.012 - Process marginal lending on request

ID	CLM.A2A.012
Name	Process marginal lending on request
Applicable to	MCA holders with an marginal lending account
Pre-conditions	A2A user should have been granted the roles: <ul style="list-style-type: none"> • AH CLM Reader • AH CLM Manager

	The MCA holder has subscribed the reception of messages camt.054 - BankToCustomerDebitCreditNotification
Test Evidence	Copy of the received camt.054

Description:

To process a marginal lending on request in A2A mode, the participant shall:

Step 1 – Request a marginal lending via COLMS, Banco de Portugal’s collateral management system;

Step 2 – Upon reception of a camt.054 – BankToCustomerDebitCreditNotification, notifying about the credit in the MCA, it shall be checked that it was correctly integrated in the internal applications;

Step 3 – On the next business day, the participant shall receive a camt.054 - BankToCustomerDebitCreditNotification confirming the debit in the MCA steaming from the settlement of the the marginal lending reimbursement as well as the camt.054 - BankToCustomerDebitCreditNotification related with the processing of interest.

2.3.2.13 CLM.A2A.013 - Process automatic marginal lending

ID	CLM.A2A.013
Name	Process automatic marginal lending
Applicable to	MCA holders
Pre-conditions	The MCA holder has subscribed the reception of messages camt.054 - BankToCustomerDebitCreditNotification
Test Evidence	Copy of the received camt.054

Description:

To process an automatic marginal lending account in A2A mode, the MCA holder shall:

Step 1 – Use intraday credit during the business day and do not reimburse it until the interbank cut-off. To create the conditions that justify the need to contract an automatic marginal lending operation, the participant cannot hold liquidity in the other TARGET services (RTGS, T2S and TIPS) that would compensate for the intraday credit use, because if that’s the case the Party wouldn’t absolutely need additional liquidity to complete the business day;

Step 2 – Upon reception of a camt.054 – BankToCustomerDebitCreditNotification, notifying about the credit in the MCA, it shall be checked that it was correctly integrated in the internal applications;

Step 3 – On the next business day, the participant shall receive a camt.054 - BankToCustomerDebitCreditNotification confirming the debit in the MCA steaming from the settlement of the the marginal lending reimbursement as well as the camt.054 - BankToCustomerDebitCreditNotification related with the processing of interest.

2.3.2.14 CLM.A2A.014 - Process CLM Statement of Accounts

ID	CLM.A2A.014
Name	Process CLM Statement of Accounts
Applicable to	MCA holders with A2A connection
Pre-conditions	MCA holder has subscribed the reception of camt.053 for the MCA
Test Evidence	Copy of the received camt.053

Description:

To test the processing of a camt.053 - CLM Statement of accounts for a MCA, the participant shall verify the correct reception of the camt.053 and confirm that it was correctly integrated in the internal applications.

2.3.2.15 CLM.A2A.015 - Query transactions

ID	CLM.A2A.015
Name	Query transactions
Applicable to	MCA holders with A2A connection
Pre-conditions	A2A User should have been granted role: AH CLM Reader
Test Evidence	Copy of the sent camt.005 and the received camt.006

Description:

To query the transactions via CLM in A2A mode, the participant shall:

1. Send a camt.005 - GetTransactions message;
2. Upon reception of the response, a camt.006 - ReturnTransaction, it shall be checked that it was correctly integrated in the internal applications.

2.3.2.16 CLM.A2A.016 - Query balances

ID	CLM.A2A.016
Name	Query balances
Applicable to	MCA holders with A2A connection
Pre-conditions	A2A User should have been granted role: AH CLM Reader
Test Evidence	Copy of the sent camt.003 and the received camt.004

Description:

To query the balances via CLM in A2A mode, the participant shall:

1. Send a camt.003 - GetAccount message;

-
2. Upon reception of the response, a camt.004 - ReturnAccount, it shall be checked that it was correctly integrated in the internal applications.
-

2.4 RTGS - Real-Time Gross Settlement

2.4.1 User-to-Application (U2A)

2.4.1.1 RTGS.U2A.001 - RTGS access

ID	RTGS.U2A.001
Name	RTGS access
Applicable to	RTGS DCA Account holder; Ancillary systems
Pre-conditions	User should have been granted the role AH ESMIG Access
Test Evidence	Printscreen of the RTGS homepage

Description:

User should access the ESMIG landing page > select the service “T2” in the services area > Select “RTGS” in the component or application area > select the respective system user reference in the “system user” area > press the Submit button.

The screenshot shows a web interface for selecting services and system users. At the top, there's a banner with the text "Services List" and "Choose an Application and your System User Reference". Below this, there are three main sections:

- Choose a Service:** A list of services with checkboxes. "TIPS" is unchecked, and "T2" is checked.
- Choose Component or Application:** A list of components with checkboxes. "Business Day Management", "CLM", "CRDM", and "Data Warehouse" are unchecked, while "RTGS" is checked.
- Choose a System User:** A search bar with the text "Search for user..." and a list of users. The user "CPTBGALTPXXXXPGU084" is checked.

A blue "Submit" button is located at the bottom left of the form.

Once done, the user will be redirected to RTGS.

2.4.1.2 RTGS.U2A.002 - Process customer payment - pacs.008

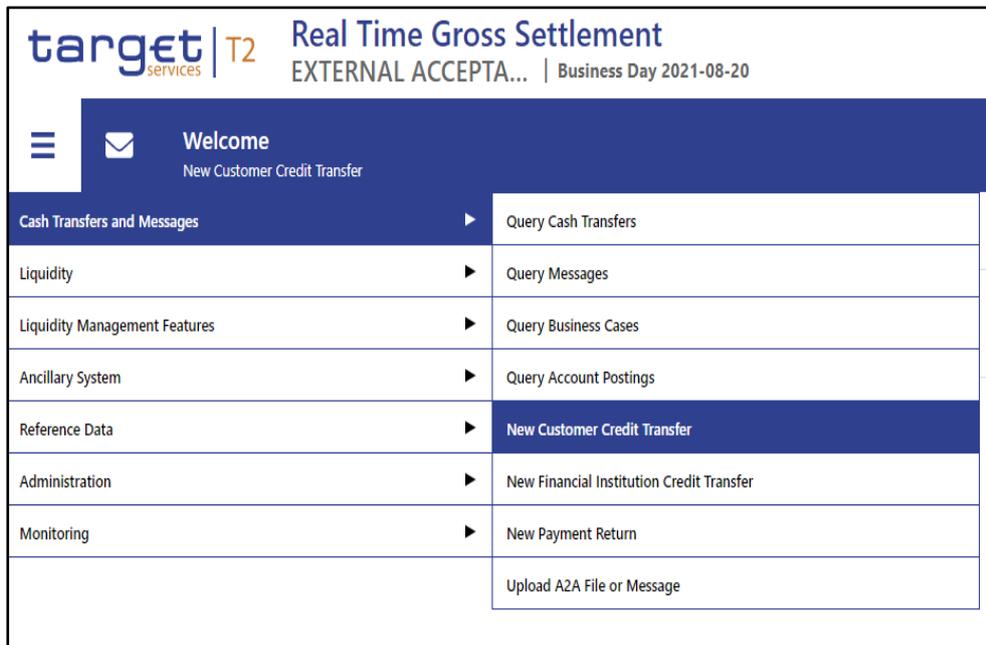
ID	RTGS.U2A.002
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Name	Process customer payment - pacs.008
Applicable to	RTGS DCA account holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH RTGS Customer CT U2A 4E • AH RTGS Reader 2E
Test Evidence	Printscreen of the sent customer payment (cash transfer details screen) or its instruction reference

Description:

Step 1 – Send Customer Payment - pacs.008

1. Click on the menu button;
2. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Customer Credit Transfer”;



3. Fill in the mandatory sub-sections of the section “Business Application Header”:
 - BICFI* (From) – this field requires the user to enter the BIC of the debited party;
 - BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent
4. Fill in the mandatory sub-sections of the section “FI To FI Customer Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Debtor Agent”, “Instructed Agent”, “Creditor”, “Creditor Agent”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » It is mandatory to fill the section “**Debtor ID**”. So, the “**Debtor ID**” section must be filled with the data of the debtor (Name, Country, etc). Under the section “**Debtor**” the user has the sub-

section “Debtor Account ID” where could insert additional information about the debtor like the IBAN.

Debtor Agent » It is mandatory to fill the sub-section “**Debtor Agent Financial Institution ID**” and “**Debtor Agent Account**”. So, in the “Debtor Agent Financial Institution ID” the user must fill the BICFI field which requires the user to enter the BIC of the debtor agent, i.e. the BIC of the account to be debited. In the “Debtor Agent Account” sub-section, the user must fill in the IBAN field with the account of the debtor.

Instructed Agent » **BICFI** – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » **Creditor ID** » this sub-section requires the user to enter additional information of the account that is to be credited in RTGS;

Creditor Agent » It is mandatory to fill the sub-section “**Creditor Agent Financial Institution ID**” and “**Creditor Agent Account**”. So, in the sub-section “Creditor Agent Financial Institution ID” the user must fill the BICFI field which requires the user to enter the BIC of the creditor agent, i.e. the BIC of the account to be credited. In the “Creditor Agent Account” sub-section, the user must fill in the IBAN field with the account of the creditor;

Interbank Settlement:

Interbank Settlement **Amount** – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement **Date** – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

The screenshot shows a web application interface for a credit transfer transaction. The form is organized into a tree structure with expandable sections. The top-level section is 'Business Application Header' (expanded). Below it is 'FI To FI Customer Credit Transfer' (expanded). Underneath is 'Credit Transfer Transaction Information' (expanded). This section is further expanded to show 'Instructing Agent' (expanded), which contains two input fields: 'BICFI' and 'LEI'. Below 'Instructing Agent' are several collapsed sections: 'Debtor', 'Debtor Agent', 'Instructed Agent', 'Creditor', 'Creditor Agent', 'Interbank Settlement', 'Payment ID', 'Settlement Time Request', 'Charges', 'Instructed Amount and Exchange Rate', 'Payment Type Information', and 'Purpose'. At the bottom of the form, there is a row of buttons: 'Submit', 'Reset', 'Display Errors', 'Collapse All', and 'Expand All'.

5. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Receive customer payment - pacs.008

In order to perform this test step, the participants should contact a counterpart to request them to send a Customer Credit Transfer (pacs.008). After that, the user must Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers” to validate if they receive the payment accordingly.

Step 3 – Query customer payment - pacs.008

Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”.

Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button.

The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria. In order to view the details of a specific cash transfer, the user must do a right-click on it and select the context menu entry “Details”.

Queue Position	Priority	Instruction ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
	Normal	PAC5008	PAC5008	Customer Credit Transfer(Pacs.008)	BGALPTT00XX	BGALPTT00ET	100.00 EUR	Settled			2021-09-01 17:29:51 CEST	2021-09-01 17:29:51 CEST

General

Queue Position	Priority	Amount	Value Date
	Normal	100.00 EUR	2021-09-01
Cash Transfer Status	Cash Transfer Type	Message Type	Counterparty Country
Settled	Payment	Customer Credit Transfer(Pacs.008)	PT

Account and Party Information

Debit Account	Debit Account Type	Credit Account	Credit Account Type
BGALPTT00XX	RTGS CB Account	BGALPTT00ET	RTGS CB Account
From BIC (BAI)	To BIC (BAI)		
BGALPTT00XX	BGALPTT00ET		

Identifier

Instruction ID	End to End ID	Business Case ID	Clearing System Reference
PAC5008	PAC5008	33119	11244
LETR	Original LETR	AS Batch Message Reference	
01178207-9711-403F-0000-af0690877dbd			

Timing

Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
		2021-09-01 17:29:51 CEST	2021-09-01 17:29:51 CEST

AS Information

AS Debtor	AS Creditor	AS Counterparty	AS Settlement Procedure
AS Party BIC	Responsible Central Bank of AS		

2.4.1.3 RTGS.U2A.003 - Process interbank payment - pacs.009

ID	RTGS.U2A.003
Name	Process interbank payment - pacs.009
Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH RTGS Inter-bank CT U2A 4E • AH RTGS Reader 2E
Test Evidence	Printscreen of the sent interbank payment (cash transfer details screen) or its instruction reference

Description:

Step 1 – Insert interbank payment - pacs.009

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Financial Institution Credit Transfer”;

target services T2 Real Time Gross Settlement	
EXTERNAL ACCEPTA... Business Day 2021-09-01	
Welcome Query Cash Transfers > List of Cash Transfers > Details of Cash Transfer	
Cash Transfers and Messages	▶ Query Cash Transfers
Liquidity	▶ Query Messages
Liquidity Management Features	▶ Query Business Cases
Ancillary System	▶ Query Account Postings
Reference Data	▶ New Customer Credit Transfer
Administration	▶ New Financial Institution Credit Transfer
Monitoring	▶ New Payment Return
	▶ Upload A2A File or Message

- Fill in the mandatory sub-sections of the section “Business Application Header”:

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent

- Fill in the mandatory sub-sections of the section “Financial Institution Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Instructed Agent”, “Creditor”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement **Amount** – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement **Date** – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The

instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID– this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

The screenshot shows a web interface for creating a new financial institution credit transfer. The form is organized into a hierarchical structure of expandable sections. The top-level section is 'Business Application Header*', followed by 'FinancialInstitution Credit Transfer*'. The main section is 'Credit Transfer Transaction Information*', which contains several sub-sections: 'Instructing Agent*', 'Debtor*', 'Debtor Agent', 'Instructed Agent*', 'Creditor*', 'Creditor Agent', 'Interbank Settlement*', 'Payment ID*' (highlighted with a red box), 'Settlement Time Request', 'Payment Type Information', 'Remittance Information', 'Previous Instructing Agents', and 'Intermediary Agents'. At the bottom of the form are five buttons: 'Submit', 'Reset', 'Display Errors', 'Collapse All', and 'Expand All'.

4. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

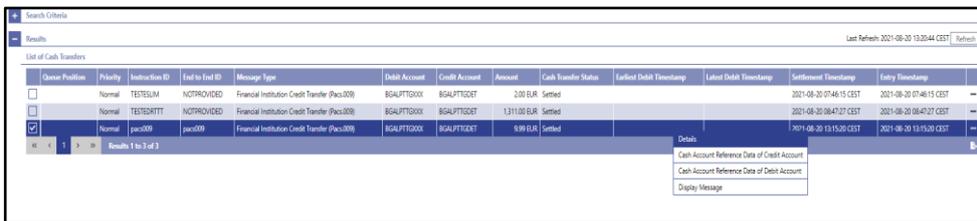
Step 2 – Receive interbank payment - pacs.009

In order to perform this test step, the participants should contact a counterpart to request them to send a Financial Institution Transfer (pacs.009). After that, the user must Select the main menu entry “Cash Transfers

and Messages” and click on the sub-menu entry “Query Cash Transfers” to validate if they receive the payment accordingly.

Step 3 – Query interbank payment - pacs.009

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria. In order to view the details of a specific cash transfer, the user must do a right-click on it and select the context menu entry “Details”.



2.4.1.4 RTGS.U2A.004 - Process payment recall - pacs.004

ID	RTGS.U2A.004
Name	Process payment recall – pacs.004
Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the role PB Role - AH RTGS Reader 2E
Test Evidence	Printscreen of the sent payment recall (cash transfer details screen) or its instruction reference

Description:

Step 1 - Send payment recall – pacs.004

This test step describes how to send a new payment return.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Payment Return”;

target T2 Real Time Gross Settlement EXTERNAL ACCEPTA... Business Day 2021-10-21	
Welcome Not implemented yet	
Cash Transfers and Messages	Query Cash Transfers
Liquidity	Query Messages
Liquidity Management Features	Query Business Cases
Ancillary System	Query Account Postings
Reference Data	New Customer Credit Transfer
Administration	New Financial Institution Credit Transfer
Monitoring	New Payment Return
	Upload A2A File or Message

2. Fill in the mandatory sub-sections of the section "Business Application Header":

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent.

3. Fill in the mandatory sub-sections of the section "Payment Return". These include "Instructing Agent", "Instructed Agent", "Original Message Information", "Original Interbank Settlement", "Interbank Settlement" and "Return Reason Information":

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited (fill in the BIC that will make the return);

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS (fill in the BIC that will receive the return);

Original Message Information:

Original Message ID: you must fill in with the information that is in the **BizMsgId** tag of the XML message to be returned. You can check this information using the "Display Message" feature when you look at the details of a transaction in the Query Cash Transfers menu.

Original Message Name ID: you must fill in with the information that is in the **MsgDefId** tag of the XML message to be returned. You can check this information using the "Display Message" feature when you look at the details of a transaction in the Query Cash Transfers menu.

Original Instruction ID: you must fill in with the information that is in the **InstrId** tag of the XML message to be returned. You can check this information using the "Display Message" feature when you look at the details of a transaction in the Query Cash Transfers menu.

Hint: You can use the Ctrl+F command to search for the tag.

Original Interbank Settlement:

Original Interbank Settlement Amount – fill in the amount of the original message;

Original Interbank Settlement Date – fill in the date of the original message.

Interbank Settlement:

Returned Interbank Settlement – fill in the amount to return;

Interbank Settlement Date – fill in the date on which the settlement is to take place.

Return Reason Information:

Reason Code: you must check the codes in the [External code sets - ISO20022](#) file on sheet “13-ReturnReason”.

4. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Receive payment recall - pacs.004

In order to perform this test step, the participants should contact a counterpart to request them to send a Payment Return (pacs.004). After that, the user must Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers” to validate if they receive the payment accordingly.

Step 3 – Query customer payment - pacs.004

This test step describes how to query a payment return (pacs.004).

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed, i.e. the user must click on the field “Message Type” and select the option “Payment Return (Pacs.004)” and then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.



Queue Position	Priority	Interbank ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
		7812345678901234		Payment Return (Pacs.004)	854J775100	854J775100	500.00 EUR	Settled	2021-04-07 10:30:31 CEST	2021-04-07 10:30:31 CEST		
		7812345678901234	1078901234	Customer Credit Transfer (Pacs.004)	854J775100	854J775100	500.00 EUR	Settled	2021-04-07 12:34:25 CEST	2021-04-07 12:34:25 CEST		

The user can select the cash transfers order and with a right-click select the option “Details” to access more detailed information about the payment.

2.4.1.5 RTGS.U2A.005 - Process liquidity transfer order between RTGS DCAs

ID	RTGS.U2A.005
Name	Process liquidity transfer order between RTGS DCAs
Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH RTGS Liquidity Transfer Manager 4E • AH RTGS Reader 2E
Test Evidence	Printscreen of the liquidity transfer (cash transfer details screen) or its instruction reference

Description:**Step 1 – Insert liquidity transfer order - Between RTGS DCAs**

1. Select the main menu entry “Liquidity” and click on the sub-menu entry “New Liquidity Transfer”;
2. Enter the RTGS account number of the debit account and the credit account respectively;

The user can enter the debit account number manually or search for it by clicking on the smart-select button and fill, for example, the field Party BIC and then click on the “Submit” button. It will be displayed the list of RTGS cash accounts which the user can choose.

Clicking on “Display Liquidity” button opens additional information, such as the current balance of the corresponding account.

3. Enter the amount of funds that is to be transferred between the RTGS DCAs;

4. Enter the End to End ID reference which identify the liquidity transfer order;

5. Click on the “Submit” Button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

2.4.1.6 RTGS.U2A.006 - Send a liquidity transfer from RTGS DCA to a MCA

ID	RTGS.U2A.006
Name	Send a liquidity transfer from RTGS account to a MCA
Applicable to:	RTGS DCA Account holder
Pre-conditions:	PB Role - AH RTGS Liquidity Transfer Manager 4E; AH RTGS Reader 2E
Test Evidence:	Printscreen of the liquidity transfer order between a RTGS DCA and a MCA with status “Settled”

Description:

Step 1 – Insert liquidity transfer order – Between RTGS DCA and MCA

1. Select the main menu entry “Liquidity” and click on the sub-menu entry “New Liquidity Transfer”;

2. Enter the RTGS account number of the debit account and the MCA account number of the credit account respectively (the liquidity transfer needs to be between a RTGS DCA and MCA);

The user can enter the debit account number manually or search for it by clicking on the smart-select button and fill, for example, the field Party BIC and then click on the “Submit” button. It will be displayed the list of cash accounts which the user can choose.

3. Enter the amount that is to be transferred between the RTGS DCA and MCA;
4. Enter the End to End ID reference which identify the liquidity transfer order;

5. Click on the “Submit” Button.

The second user will then go to Administration >> Query Task Queue >> Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

2.4.1.7 RTGS.U2A.007 - Send a liquidity transfer from RTGS DCA to a T2S DCA

ID	RTGS.U2A.007
Name	Send a liquidity transfer from RTGS DCA to a T2S DCA
Applicable to:	RTGS DCA Account holder
Pre-conditions:	User should have been granted roles: <ul style="list-style-type: none"> • AH RTGS Liquidity Transfer Manager 4E • AH RTGS Reader 2E

Description:

Step 1 – Insert liquidity transfer order - Between RTGS DCA and T2S DCA

1. Select the main menu entry “Liquidity” and click on the sub-menu entry “New Liquidity Transfer”;
2. Enter the RTGS account number of the debit account and the T2S account number of the credit account respectively (the liquidity transfer needs to be between a RTGS DCA and T2S DCA);
The user can enter the debit account number manually or search for it by clicking on the smart-select button and fill, for example, the field Party BIC and then click on the “Submit” button. It will be displayed the list of cash accounts which the user can choose.
3. Enter the amount that is to be transferred between the RTGS DCA and T2S DCA;
4. Enter the End to End ID reference which identify the liquidity transfer order;

5. Click on the “Submit” Button.

The second user will then go to Administration >> Query Task Queue >> Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

2.4.1.8 RTGS.U2A.008 - Send a liquidity transfer from RTGS DCA to a TIPS DCA

ID	RTGS.U2A.008
Name	Send a liquidity transfer from RTGS DCA to a TIPS DCA
Applicable to:	RTGS DCA Account holder
Pre-conditions:	User should have been granted roles: <ul style="list-style-type: none"> • AH RTGS Liquidity Transfer Manager 4E; • AH RTGS Reader 2E

Description:**Step 1 – Insert liquidity transfer order - Between RTGS DCA and TIPS DCA**

1. Select the main menu entry “Liquidity” and click on the sub-menu entry “New Liquidity Transfer”;
2. Enter the RTGS account number of the debit account and the TIPS account number of the credit account respectively (the liquidity transfer needs to be between a RTGS DCA and TIPS DCA);

The user can enter the debit account number manually or search for it by clicking on the smart-select button and fill, for example, the field Party BIC and then click on the “Submit” button. It will be displayed the list of cash accounts which the user can choose.

3. Enter the amount that is to be transferred between the RTGS DCA and TIPS DCA;
4. Enter the End to End ID reference which identify the liquidity transfer order;

5. Click on the “Submit” button.

The second user will then go to Administration >> Query Task Queue >> Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

2.4.1.9 RTGS.U2A.009 - Receive liquidity transfer order (from a MCA, RTGS, T2S or TIPS DCA)

ID	RTGS.U2A.009
Name	Receive liquidity transfer order (from a MCA, RTGS , T2S or TIPS DCA)
Applicable to:	RTGS DCA Account holder

Pre-conditions:	User should have been granted roles: <ul style="list-style-type: none"> • AH RTGS Liquidity Transfer Manager 4E • AH RTGS Reader 2E
Test Evidence:	Printscreen of the received liquidity transfer order

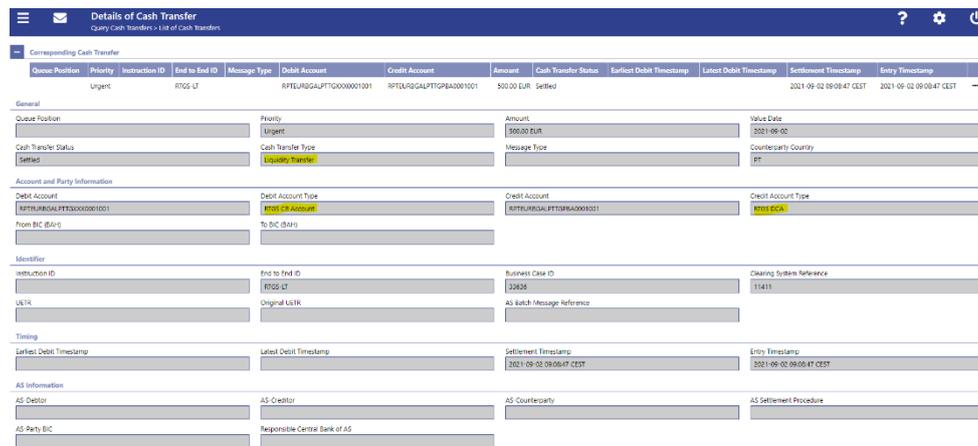
Description:

Step 1 – Query sent/received liquidity transfer orders

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;



2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The list of cash transfers opens. The list shows all cash transfers matching the entered search criteria. In order to view the details of a liquidity transfer order, the user must do a right-click on it and select the context menu entry “Details”.



2.4.1.10 RTGS.U2A.010 - Rule based liquidity transfer - Queued AS payments

ID	RTGS.U2A.010
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Name	Rule based liquidity transfer – Queued Ancillary System payments
Applicable to	Ancillary System
Pre-conditions	To perform this test it is necessary to create rules based on liquidity transfers to reach the floor amount on CRDM (before running this test the user must perform configurations in CRDM. The user must define the account threshold configurations for the RTGS account)
Test Evidence	Printscreen of the AS file with the status queued and later with the status settled (cash transfer details screen)

Description:

Step 1 – Send AS file with payments for which there is not enough liquidity

The user must ensure that the payments amounts present into the AS file are greater than the amount available in the RTGS account so that the AS file remains in the "Queue" status. To insert an A2A file the user must select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Upload A2A File or Message”.



After loading the AS file, the user must go to the main menu entry “Ancillary System” and click on the sub-menu entry “Query AS batches” and verify that the file loaded assumes the status “Queued”.

AS Party BIC	Business Case ID	AS Batch Message Reference	Timestamp	Settlement Procedure	Payment Scheme	Start of Settlement Period	End of Settlement Period	AS Batch Status	Group Status	Counterpart AS
ZKXZDE331	887	221	2019-03-15 08:11:14 CEST	Procedure A	REF	2019-03-15 10:11:14 CEST	2019-03-15 10:11:14 CEST	Queued	NMT	---
ZKXZDE331	876	412	2019-03-15 08:11:12 CEST	Procedure A	REF	2019-03-15 10:08:00 CEST	2019-03-15 10:08:00 CEST	Rejected At Group Level	KICT	---
ZKXZDE331	761	543	2019-03-15 08:11:12 CEST	Procedure E	REF			Accounting Processed	AGCS	---
ZKXZDE331	654	654	2019-03-15 08:11:14 CEST	Procedure E	REF			Accounting Processed	AGCS	---
ZKXZDE331	548	760	2019-03-15 08:11:10 CEST	Procedure C	OSK	2019-03-15 10:11:10 CEST	2019-03-15 10:11:10 CEST	Queued	NMT	ZKXZDE331
ZKXZDE331	432	676	2019-03-15 08:11:10 CEST	Procedure C	SET	2019-03-15 10:11:10 CEST	2019-03-15 10:11:10 CEST	Accounting Processed	AGCS	---
ZKXZDE331	777	544	2019-03-15 08:11:17 CEST	Procedure E	REF	2019-03-15 10:11:17 CEST	2019-03-15 10:11:17 CEST	Queued	NMT	---
ZKXZDE331	321	987	2019-03-15 08:11:10 CEST	Procedure D	OSK			Accounting Processed	AGCS	ZKXZDE331
ZKXZDE331	588	145	2019-03-15 08:11:10 CEST	Procedure E	REF	2019-03-15 10:11:17 CEST	2019-03-15 10:11:17 CEST	Stopped due to Blocking	---	---
ZKXZDE331	776	190	2019-03-15 08:11:10 CEST	Procedure A	REF	2019-03-15 10:11:17 CEST	2019-03-15 10:11:17 CEST	Stopped due to Blocking	---	---
ZKXZDE331	889	482	2019-03-15 08:11:10 CEST	Procedure E	REF	2019-03-15 10:11:17 CEST	2019-03-15 10:11:17 CEST	Stopped due to Blocking	---	---
ZKXZDE331	325	127	2019-03-15 08:11:10 CEST	Procedure C	OSK	2019-03-15 10:11:17 CEST	2019-03-15 10:11:17 CEST	Stopped due to Blocking	---	ZKXZDE331
ZKXZDE331	333	888	2019-03-15 08:11:10 CEST	Procedure D	OSK	2019-03-15 10:11:17 CEST	2019-03-15 10:11:17 CEST	Stopped due to Blocking	---	ZKXZDE331
ZKXZDE331	777	147	2019-03-15 08:11:10 CEST	Procedure A	REF	2019-03-15 10:11:17 CEST	2019-03-15 10:11:17 CEST	Rejected At Group Level	REA	---

Step 2 - Verify that there is rule bases liquidity transfer from the default MCA

As the AS file entered have some payments greater than the amount available in the RTGS account for this participant, the AS file should assume the status "Queued". However, as liquidity rules for AS payments have been defined in the CRDM, the payment is automatically settled due to an automatic liquidity transfer sent by the CLM from the participant's MCA account with the missing amount for the payment to settle.

1. Select the main menu entry "Anciliary System" and click on the sub-menu entry "Query AS batches";
2. Enter the relevant attribute values on search criteria about the AS file that are to be displayed. If the user does not want to restrict the search then just click on the "Submit" button;

The user verifies that the AS file entered in step 1 is in the "Settled" status.

To verify that a liquidity transfer has occurred with the missing amount necessary to settle the payment, the user must:

1. Select the main menu entry "Cash Transfers and Messages" and click on the sub-menu entry "Query Cash Transfers";
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the "Submit" button;
3. The "Cash Transfers – List Screen" opens. The list shows all cash transfers matching the entered search criteria.

2.4.1.11 RTGS.U2A.011 - Rule based liquidity transfers – Floor breach

ID	RTGS.U2A.011
Name	Rule-based liquidity transfer – Floor threshold amount
Applicable to	RTGS DCA Account holder
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH RTGS Reader 2E • AH RTGS Inter-bank CT U2A 4E <p>To perform this test it is necessary to create rules based on liquidity transfers to reach the floor amount on CRDM (before running this test the user must perform configurations in CRDM. The user must define the account threshold configurations for the RTGS account)</p>
Test Evidence	Printscreen of the payment and the liquidity transfer order (cash transfer details screen)

Description:

Step 1 – Insert a payment debiting the RTGS DCA in order to reach the floor amount

Before entering the payment, the user must verify which amount is defined for the floor threshold amount.

To do that the user must:

1. Select the main menu entry "Liquidity" and click on the sub-menu entry "Query RTGS Cash Account Liquidity";

2. The user must enter the account number or the account BIC of the account whose liquidity is to be displayed and click on the “Submit” button;

3. The “RTGS Cash Account Liquidity – Display Screen” opens, displaying the liquidity of the account. At the bottom of the page, the user finds the value defined as the floor threshold amount.

Settled Cash Transfers		Total Sub-Account Liquidity	
Settled Debit Liquidity Transfers	0.00 EUR	0.00 EUR	
Settled Credit Liquidity Transfers	0.00 EUR	Total RTGS Liquidity	
Settled Debit Payments and AS Transfers	0.00 EUR	Sub-Account(s)	
Settled Credit Payments and AS Transfers	0.00 EUR	No Entries found.	
Current Balance	0.00 EUR		
Queued Cash Transfers			
Queued Debit Liquidity Transfers	0.00 EUR		
Queued Debit Payments and AS Transfers	0.00 EUR		
Queued Credit Payments and AS Transfers	0.00 EUR		
Earmarked Cash Transfers			
Earmarked Debit Cash Transfers	0.00 EUR		
Earmarked Credit Cash Transfers	0.00 EUR		
Projected Liquidity	0.00 EUR		
Reservations			
Urgent	0.00 EUR		
High	0.00 EUR		
Pending Reservations			
Urgent	0.00 EUR		
High	0.00 EUR		
Floor/Calling Information			
Floor Threshold	0.00 EUR		
Calling Threshold	0.00 EUR		

After the previous steps, the user must enter a payment to debit the account so that the amount available in the RTGS account is lower than the floor threshold amount.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Financial Institution Credit Transfer”;

target T2 Real Time Gross Settlement EXTERNAL ACCEPTA... Business Day 2021-09-01	
Welcome Query Cash Transfers > List of Cash Transfers > Details of Cash Transfer	
Cash Transfers and Messages	Query Cash Transfers
Liquidity	Query Messages
Liquidity Management Features	Query Business Cases
Ancillary System	Query Account Postings
Reference Data	New Customer Credit Transfer
Administration	New Financial Institution Credit Transfer
Monitoring	New Payment Return
	Upload A2A File or Message

2. Fill in the mandatory sub-sections of the section “Business Application Header”:

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent

3. Fill in the mandatory sub-sections of the section “Financial Institution Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Instructed Agent”, “Creditor”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement Amount – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement Date – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The

instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

4. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Verify that there is rule based liquidity transfer from the default MCA

As the payment amount entered in step 1 makes the available liquidity in the RTGS account below the Floor threshold, a liquidity transfer from the MCA account in CLM is automatically sent to credit the RTGS account with the difference of the value to refund the minimum target amount on the RTGS account.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.

The user verifies that the payment entered in step 1 is in the “Settled” status and that a liquidity transfer has occurred with the missing amount necessary to refund the target amount on the RTGS account.

2.4.1.12 RTGS.U2A.012 - Rule based liquidity transfers – Ceiling breach

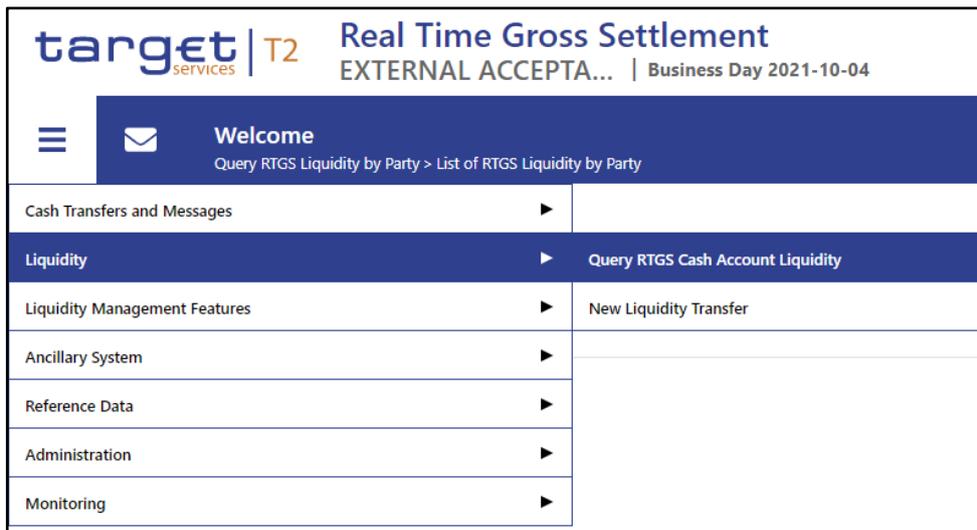
ID	RTGS.U2A.012
Name	Rule-based liquidity transfer - Ceiling threshold amount
Applicable to	RTGS DCA Account holder
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH RTGS Reader 2E • AH RTGS Inter-bank CT U2A 4E <p>To perform this test it is necessary to create rules based on liquidity transfers to reach ceiling threshold amount on CRDM (before running this test the user must perform</p>

	configurations in CRDM. The user must define the account threshold configurations for the RTGS account)
Test Evidence	Printscreen of the payment and the liquidity transfer order (cash transfer details screen)

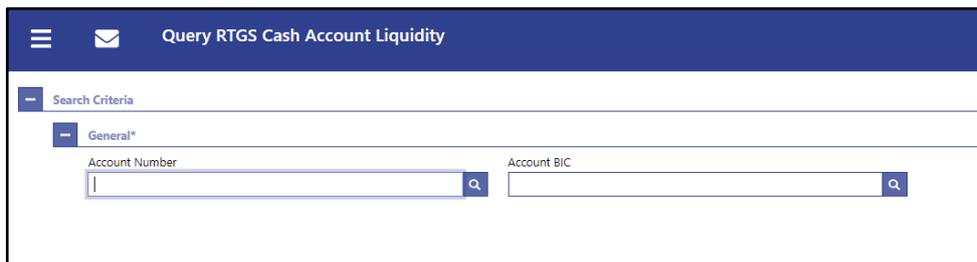
Description:**Step 1 – Insert a payment crediting the RTGS DCA in order to reach the ceiling threshold amount**

Before entering the payment, the user must verify which is the amount defined for the ceiling threshold amount. To do that the user must:

1. Select the main menu entry “Liquidity” and click on the sub-menu entry “Query RTGS Cash Account Liquidity”;



2. The user must enter the account number or the account BIC of the account whose liquidity is to be displayed and click on the “Submit” button;



3. The “RTGS Cash Account Liquidity – Display Screen” opens, displaying the liquidity of the account. At the bottom of the page, the user finds the value defined as the Ceiling threshold amount.

Settled Cash Transfers	
Settled Debit Liquidity Transfers	0.00 EUR
Settled Credit Liquidity Transfers	0.00 EUR
Settled Debit Payments and AS Transfers	0.00 EUR
Settled Credit Payments and AS Transfers	0.00 EUR
Current Balance	0.00 EUR
Queued Cash Transfers	
Queued Debit Liquidity Transfers	0.00 EUR
Queued Debit Payments and AS Transfers	0.00 EUR
Queued Credit Payments and AS Transfers	0.00 EUR
Earmarked Cash Transfers	
Earmarked Debit Cash Transfers	0.00 EUR
Earmarked Credit Cash Transfers	0.00 EUR
Projected Liquidity	0.00 EUR
Reservations	
Urgent	0.00 EUR
High	0.00 EUR
Pending Reservations	
Urgent	0.00 EUR
High	0.00 EUR
Floor/Ceiling Information	
Floor Threshold	0.00 EUR
Ceiling Threshold	0.00 EUR

After the previous steps, the user must enter a payment to credit the account so that the amount available in the RTGS account is greater than the ceiling threshold.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Financial Institution Credit Transfer”;

target T2 Real Time Gross Settlement	
EXTERNAL ACCEPTA... Business Day 2021-09-01	
Welcome Query Cash Transfers > List of Cash Transfers > Details of Cash Transfer	
Cash Transfers and Messages	Query Cash Transfers
Liquidity	Query Messages
Liquidity Management Features	Query Business Cases
Ancillary System	Query Account Postings
Reference Data	New Customer Credit Transfer
Administration	New Financial Institution Credit Transfer
Monitoring	New Payment Return
	Upload A2A File or Message

2. Fill in the mandatory sub-sections of the section “Business Application Header”:

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent

3. Fill in the mandatory sub-sections of the section “Financial Institution Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Instructed Agent”, “Creditor”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement Amount – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement Date – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

4. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Verify that there is rule based liquidity transfer from the default MCA

The payment amount entered in step 1 makes the available liquidity in the RTGS account greater than the amount defined to the ceiling threshold. In order to maintain the liquidity targeted in the RTGS account, a liquidity transfer is automatically sent from the RTGS account to credit the MCA account in CLM with the excess of funds.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
 2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
-

- The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.

The user verifies that the payment entered in step 1 is in the “Settled” status and it is sent a liquidity transfer debiting the RTGS account and crediting the MCA account with the excess funds existing on the RTGS account.

2.4.1.13 RTGS.U2A.013 - Modify earliest and latest debit time cash transfer order

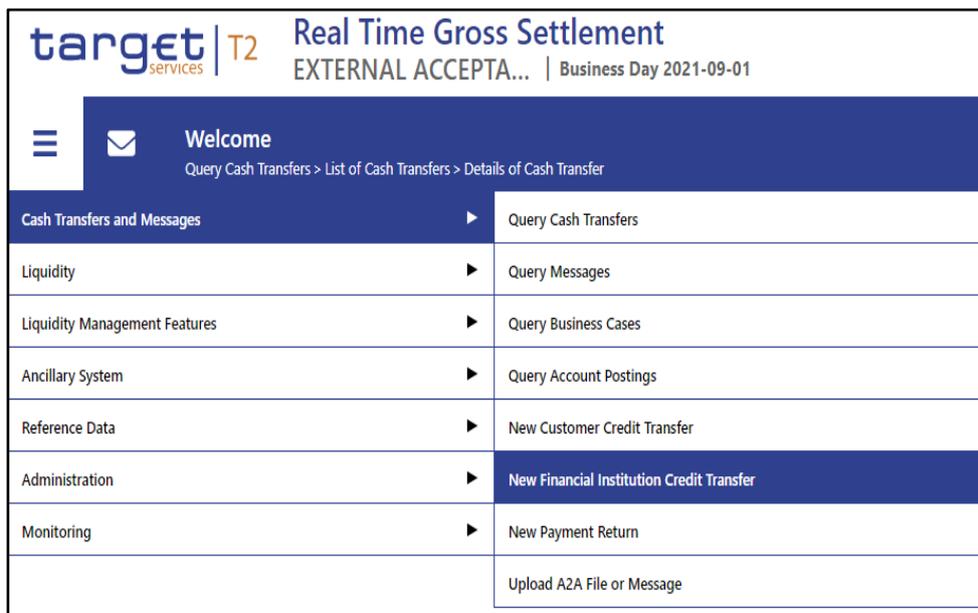
ID	RTGS.U2A.013
Name	Modify earliest and latest debit time cash transfer order
Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the role AH RTGS Payment Manager 4E
Test Evidence	Printscreen of the earliest and latest debit time cash transfer order before and after the change

Description:

Step 1 – Insert payment order with earliest and latest debit time (TILTIME)

This test step describes how to insert payment orders with the earliest and latest debit timestamp. It means that the payment order has a period to be settled and if the settlement does not take place then the payment will be rejected.

- Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Financial Institution Credit Transfer”;



- Fill in the mandatory sub-sections of the section “Business Application Header”:

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent.

-
3. Fill in the mandatory sub-sections of the section “Financial Institution Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Instructed Agent”, “Creditor”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement Amount – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement Date – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

4. Fill in the section “Settlement Time Request”. These section includes the fields “From Time”, “Till Time” and “Reject Time”.

The user must enter in the “From Time” field the earliest debit time which must be before the time entered in “Till Time” and insert the latest debit time into the “Till Time”.

The user can enter the time manually or specify it by clicking on the clock button.

Settlement Time Request

From Time
 CEST

Till Time
 CEST

Reject Time
 CEST

5. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 - Insert payment order with latest debit time (REJTIME)

This test step describes how to insert payment orders with rejection timestamp. It means that the payment order has to be settled until the time introduced or the payment will be rejected.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Financial Institution Credit Transfer”;

target | T2 **Real Time Gross Settlement**
 EXTERNAL ACCEPTA... | Business Day 2021-09-01

Welcome
 Query Cash Transfers > List of Cash Transfers > Details of Cash Transfer

Cash Transfers and Messages	▶ Query Cash Transfers
Liquidity	▶ Query Messages
Liquidity Management Features	▶ Query Business Cases
Ancillary System	▶ Query Account Postings
Reference Data	▶ New Customer Credit Transfer
Administration	▶ New Financial Institution Credit Transfer
Monitoring	▶ New Payment Return
	▶ Upload A2A File or Message

2. Fill in the mandatory sub-sections of the section “Business Application Header”:

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent

3. Fill in the mandatory sub-sections of the section “Financial Institution Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Instructed Agent”, “Creditor”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement Amount – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement Date – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

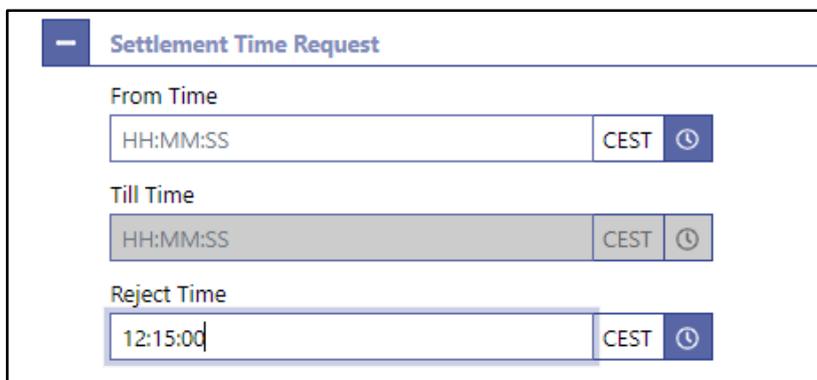
Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

4. Fill in the section “Settlement Time Request”. These section includes the fields “From Time”, “Till Time” and “Reject Time”.

The user must fill the “Rejection Time” field with the time up to which the payment order should be settled. The user can enter the time manually or specify it by clicking on the clock button.



The screenshot shows a form titled "Settlement Time Request" with a minus sign icon on the left. It contains three time selection fields, each with a text input, a "CEST" label, and a clock icon button:

- From Time:** Input field contains "HH:MM:SS".
- Till Time:** Input field contains "HH:MM:SS".
- Reject Time:** Input field contains "12:15:00".

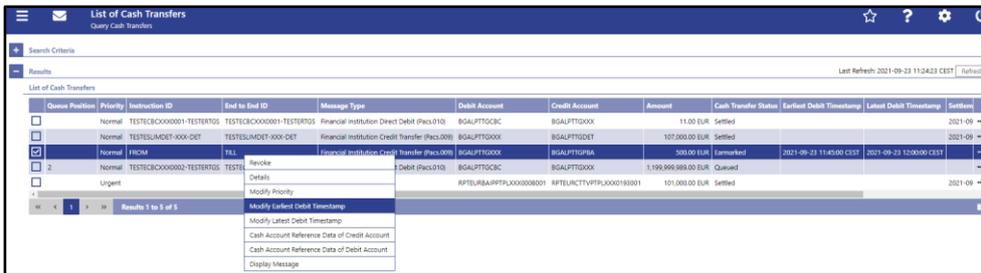
5. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

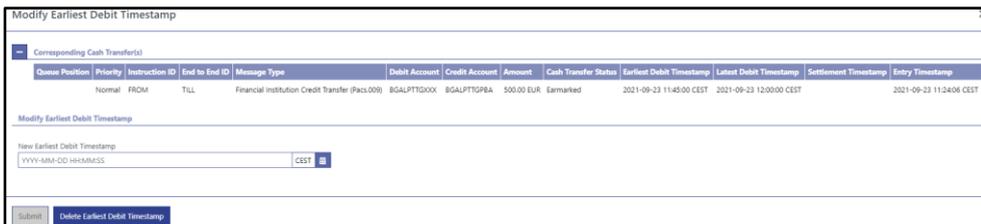
Step 3 – Modify earliest debit time cash transfer order

This test step describes how to modify the earliest debit timestamp of cash transfer orders which is only possible for cash transfer orders with the status “Warehoused” or “Earmarked” including an earliest debit timestamp.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.
4. Select a cash transfer order whose earliest debit timestamp is to be modified. Right-click on the selected item and select the context menu entry “Modify earliest debit timestamp”.



5. The “Cash Transfers – Modify Earliest Debit Timestamp – Pop-up” opens showing details of the selected cash transfer order. Fill in the field “New Earliest Debit Timestamp” by entering a timestamp manually or by clicking on the clock and calendar buttons. The new earliest debit timestamp must be earlier than the latest debit timestamp and before the cut-off time.



6. Click on the “Submit” button.

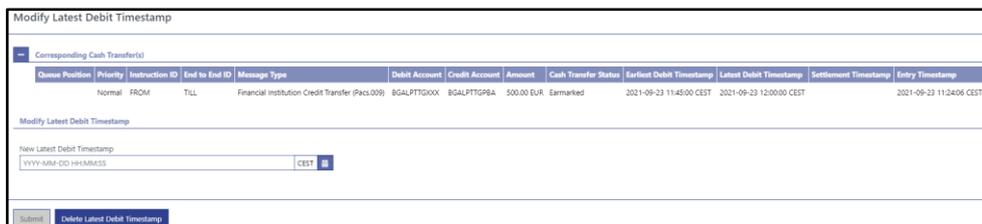
Step 4 – Modify latest debit time cash transfer order (TILTIME)

This test step describes how to modify the latest debit timestamp of cash transfer orders which is only possible for cash transfer orders with the status “Warehoused” or “Earmarked” including a latest debit timestamp.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.
4. Select a cash transfer order whose latest debit timestamp is to be modified. Right-click on the selected item and select the context menu entry “Modify latest debit timestamp”.



5. The “Cash Transfers – Modify Latest Debit Timestamp – Pop-up” opens showing details of the selected cash transfer order. Fill in the field “New Latest Debit Timestamp” by entering a timestamp manually or by clicking on the clock and calendar buttons. The new latest debit timestamp must be later than the current last debit timestamp and before the cut-off time.



6. Click on the “Submit” button.

Step 5 – Modify latest debit time cash transfer order (REJTIME)

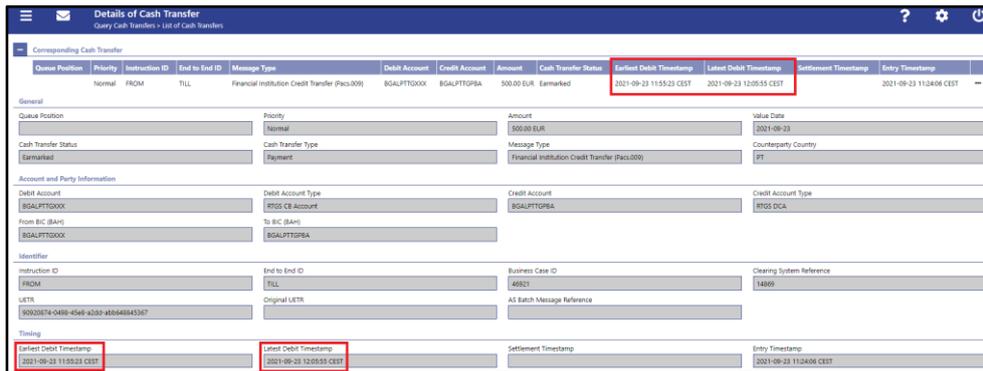
To perform this test, the user must follow the instructions given in step 4.

In order to be able to perform this test, the user must ensure that the party to be debited does not have sufficient funds in the account or the amount of the cash transfer is greater than the available liquidity. Otherwise, the payment is settled immediately and it is not possible to change the rejection time.

Step 6 – Query payment orders with new earliest and latest debit time

The purpose of this step is to verify that the user is able to change the debit timestamp.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.
4. Select a cash transfer order whose earliest and latest debit timestamp was modified. Right-click on the selected item and select the context menu entry “Details”.



2.4.1.14 RTGS.U2A.014 - Payment revocation

ID	RTGS.U2A.014
Name	Payment revocation
Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the role AH RTGS Payment Manager 4E
Test Evidence	Printscreen of the payment that was revoked (cash transfer details screen) or its instruction reference

Description:

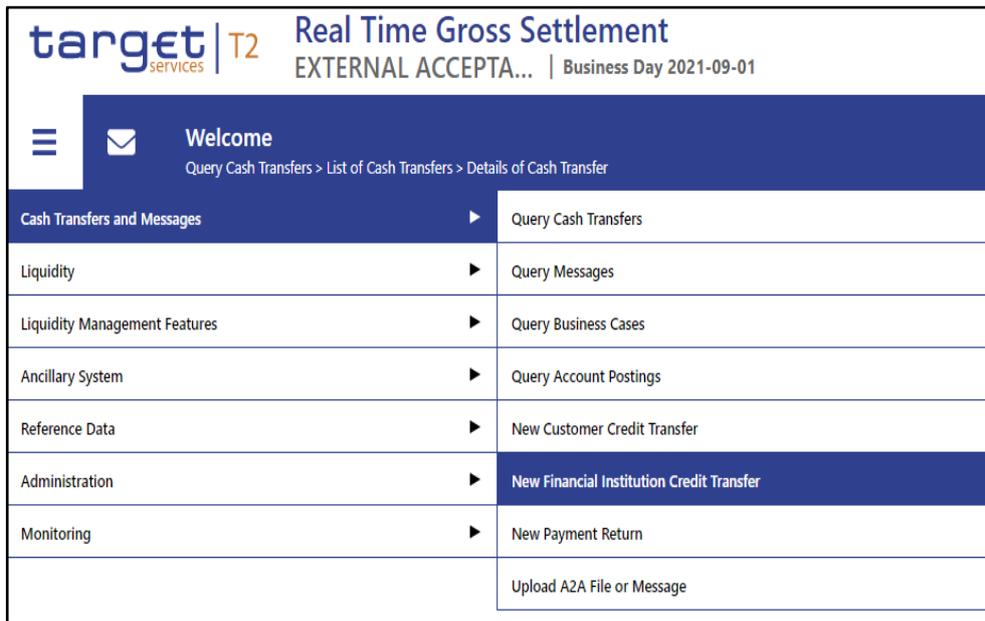
This test step describes how to revoke cash transfer orders. Revoking cash transfer orders is only possible for cash transfer orders with the status “Warehoused”, “Earmarked” or “Queued”. For cash transfer orders with the status “Earmarked due to blocking” only the responsible CB for the payment bank or the operator are able to revoke the cash transfer order.

The following steps describe the case of a payment for which there is not enough liquidity. The payment is in the status "Queued" and was revoked.

Step 1 - Insert payment order for which there is not enough liquidity

Before entering the payment, the user must ensure that the amount of the payment to enter is greater than the amount available on the RTGS account.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Financial Institution Credit Transfer”;



2. Fill in the mandatory sub-sections of the section “Business Application Header”:

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent.

3. Fill in the mandatory sub-sections of the section “Financial Institution Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Instructed Agent”, “Creditor”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement Amount – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement Date – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

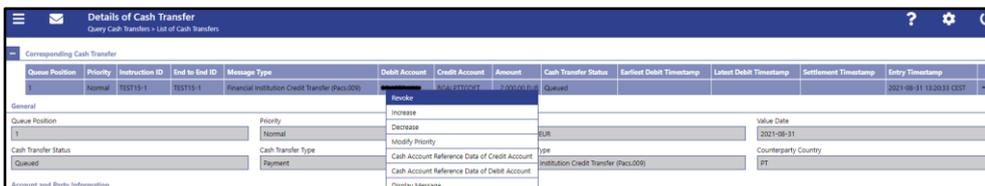
4. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Request payment order revocation

This test step describes how to revoke a cash transfer order. The user must select the cash transfer order in status “Queued” that was entered in step 1.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.
4. Select the cash transfer order in status “Queued” that was entered in step 1.
5. The user must right-click on the selected item and select the context menu entry “Revoke”.



6. A confirmation pop-up opens showing details of the selected cash transfer order. Click on the “Yes” button to confirm the revocation of the cash transfer order.



If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 3 – Query order revocation

The purpose of this step is to verify that the user is able to revoke an order.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.
4. The user can now identify the cash transfer order revoked in the previous step which has assumed the status “Revoked”.

Queue Position	Priority	Instruction ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
Normal	TEST15-1	TEST15-1		Financial Institution Credit Transfer (PacL005)		BGALPTT02ET	2,000.00 EUR	Revoked				2021-08-31 13:20:33 CEST

2.4.1.15 RTGS.U2A.015 - Modify payment priority

ID	RTGS.U2A.015
Name	Modify payment priority
Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the role AH RTGS Payment Manager 4E
Test Evidence	Printscreen of the priority of the payment order before and after the change

Description:

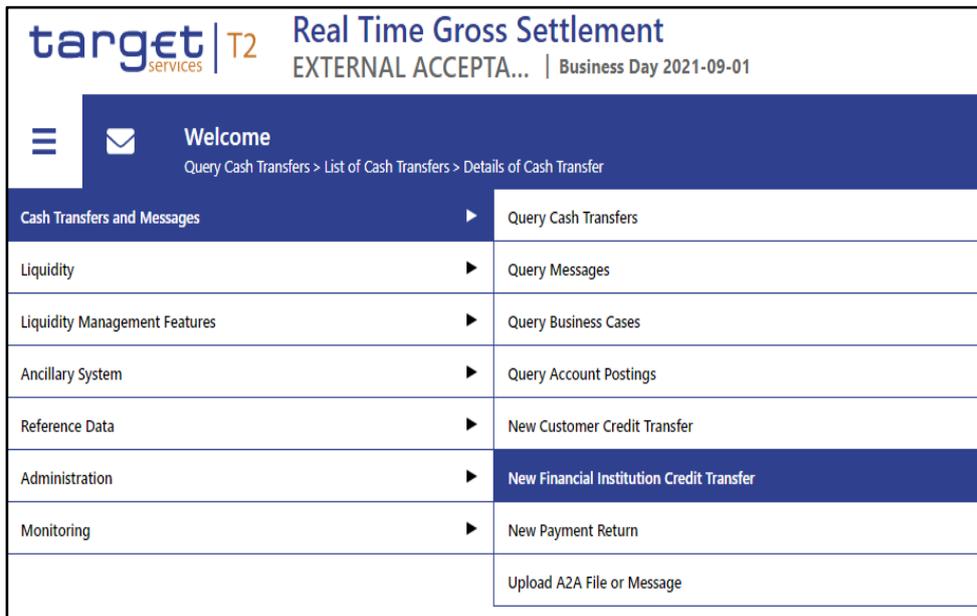
This use case describes how to modify the priority of payment orders with the status “Warehoused”, “Earmarked” or “Queued”.

For payments with priority “Urgent” it is not possible to modify the priority of the payment.

Step 1 – Insert payment with priority high for which there is not enough liquidity

The user must ensure that the payment amount to be entered is greater than the amount available in the RTGS account so that the payment remains in "Queue" status and allow the user to modify its priority.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “New Financial Institution Credit Transfer”;



2. Fill in the mandatory sub-sections of the section “Business Application Header”:

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent

3. Fill in the mandatory sub-sections of the section “Financial Institution Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Instructed Agent”, “Creditor”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement Amount – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement Date – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Settlement Priority – this field gives the possibility to choose which level of priority the user wants to assign to the payment. For this payment the user must select the option “HIGH”;



The screenshot shows a form titled "Interbank Settlement*". It contains three main input fields: "Interbank Settlement Amount*" with a text input and a "EUR" currency selector; "Interbank Settlement Date*" with a date input showing "2021-09-28"; and "Settlement Priority" with a dropdown menu currently set to "HIGH".

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

4. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Modify priority from high to normal

This test step describes how to modify the priority of a cash transfer order. The user must select the cash transfer order in status “Queued” that was entered in step 1.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.
4. Select the cash transfer order in status “Queued” that was entered in step 1.
5. The user must right-click on the selected item and select the context menu entry “Modify Priority”.

Queue Position	Priority	Instruction ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
1	High	TEST15-HIGHPRIORITY	TEST15-HIGHPRIORITY	Financial Institution Credit Transfer (Fiacs.009)	XXXXXX	XXXXXX	2.000,00 EUR	Queued				2021-08-31 13:02:34 CEST

General	Priority	Increase	Decrease	Modify Priority	Value Date	2021-08-31
Queue Position	High	20 EUR				
Cash Transfer Status	Queued	Cash Transfer Type	Cash Account Reference Data of Credit Account	Payment	Cash Account Reference Data of Debit Account	Cash Transfer Type
						Financial Institution Credit Transfer (Fiacs.009)
Account and Party Information						Country Code
						PT

6. A confirmation pop-up opens showing details of the selected cash transfer order and the user must click on the "Yes" button to confirm the new priority of the cash transfer order.

If the current payment priority is for example "HIGH" when the user clicks on the "Yes" button, the payment priority will automatically change to "NORM" or if the payment priority is "NORM" it will automatically change to "HIGH".

Queue Position	Priority	Instruction ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
1	Normal	TEST15-1	TEST15-1	Financial Institution Credit Transfer (Fiacs.009)	XXXXXX	XXXXXX	2.000,00 EUR	Queued				2021-08-31 13:03:03 CEST

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry "Details". After validating the information, the second user will decide to confirm by clicking on the "Confirm" button or, if something goes wrong, by clicking on the "Withdraw" button. A pop-up confirmation opens displaying the information "Confirm/Withdraw the Task with ID : #####" and the user must click on the "Yes" button.

Step 3 – Insert payment with priority normal for which there is not enough liquidity

The user must ensure that the payment amount to be entered is greater than the amount available in the RTGS account in order for the payment to remain in the "Queue" status and allow the user to modify its priority.

1. Select the main menu entry "Cash Transfers and Messages" and click on the sub-menu entry "New Financial Institution Credit Transfer";

target T2 Real Time Gross Settlement	
EXTERNAL ACCEPTA... Business Day 2021-09-01	
Welcome Query Cash Transfers > List of Cash Transfers > Details of Cash Transfer	
Cash Transfers and Messages	Query Cash Transfers
Liquidity	Query Messages
Liquidity Management Features	Query Business Cases
Ancillary System	Query Account Postings
Reference Data	New Customer Credit Transfer
Administration	New Financial Institution Credit Transfer
Monitoring	New Payment Return
	Upload A2A File or Message

2. Fill in the mandatory sub-sections of the section “Business Application Header”:

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent

3. Fill in the mandatory sub-sections of the section “Financial Institution Credit Transfer”. These include “Instructing Agent”, “Debtor”, “Instructed Agent”, “Creditor”, “Interbank Settlement” and “Payment ID”.

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement Amount – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement Date – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Settlement Priority – this field gives the possibility to choose which level of priority the user wants to assign to the payment. For this payment the user must select the option “NORM”;



— Interbank Settlement*

Interbank Settlement Amount*
EUR

Interbank Settlement Date*
2021-09-28

Settlement Priority
NORM

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

4. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 4 – Modify priority from normal to high

This test step describes how to modify the priority of a cash transfer order. The user must select the cash transfer order in status “Queued” that was entered in step 3.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.
4. Select the cash transfer order in status “Queued” that was entered in step 3.
5. The user must right-click on the selected item and select the context menu entry “Modify Priority”.

Queue Position	Priority	Instruction ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
2	Normal	TEST-NORMALPAY	TEST-NORMALPAY	Financial Institution Credit Transfer (Pacs.009)	██████████	8GALPTTQDET	5,000.00 EUR	Queued				2021-08-31 13:38:40 CEST

6. A confirmation pop-up opens showing details of the selected cash transfer order and the user must click on the “Yes” button to confirm the new priority of the cash transfer order.

If the current payment priority is for example "NORM" when the user clicks the "Yes" button, the payment priority will automatically change to "HIGH" or if the payment priority is "HIGH" it will automatically change to "NORM".

Queue Position	Priority	Instruction ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
2	Normal	TEST-NORMALPAY	TEST-NORMALPAY	Financial Institution Credit Transfer (Pacs.009)	██████████	8GALPTTQDET	5,000.00 EUR	Queued				2021-08-31 13:38:40 CEST

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 5 – Query payments and verify new priority

The purpose of this step is to verify that the user can modify the priority of cash transfer orders.

1. The user must select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria.
4. By analyzing the cash transfer order entered in the step 3 we verify that the priority assigned was “NORM”. After the user modifies the priority of that same payment we verify it has now “HIGH” priority.

Queue Position	Priority	Instruction ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry Timestamp
1	High	TEST-NORMALPAY	TEST-NORMALPAY	Financial Institution Credit Transfer (Pacs.009)	██████████	8GALPTTQDET	5,000.00 EUR	Queued				2021-08-31 13:38:40 CEST

2.4.1.16 RTGS.U2A.016 - Reordering payments in queue

ID	RTGS.U2A.016
Name	Reordering payments in queue

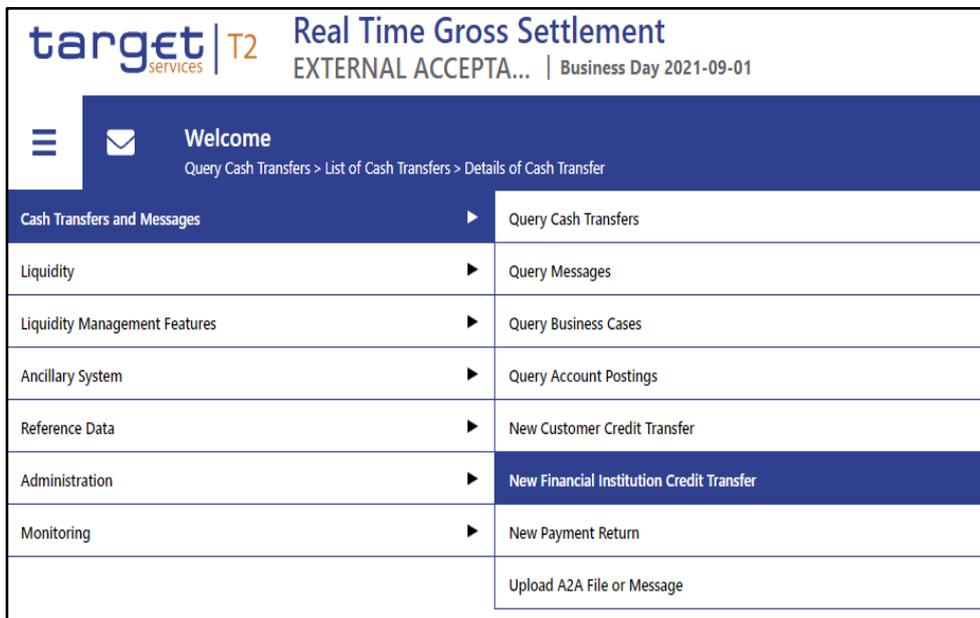
Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the role AH RTGS Payment Manager 4E
Test Evidence	Printscreen of the queue list (list of cash transfer screen) before and after the change

Description:

Step 1 - Insert two payment orders for which there is not enough liquidity

The user must ensure that the payments amounts to be entered are greater than the amount available in the RTGS account so that the payments remain in the "Queue" status.

1. Select the main menu entry "Cash Transfers and Messages" and click on the sub-menu entry "New Financial Institution Credit Transfer";



2. Fill in the mandatory sub-sections of the section "Business Application Header":

BICFI* (From) – this field requires the user to enter the BIC of the party to be debited;

BICFI* (To) – this field requires the user to enter the corresponding BIC to which the payment is sent

3. Fill in the mandatory sub-sections of the section "Financial Institution Credit Transfer". These include "Instructing Agent", "Debtor", "Instructed Agent", "Creditor", "Interbank Settlement" and "Payment ID".

Instructing Agent » BICFI* – this field requires the user to enter the BIC of the instructing agent, i.e. the BIC of the account to be debited;

Debtor » Debtor ID » BICFI – this field requires the user to enter the BIC of the debtor;

Instructed Agent » BICFI* – this field requires the user to enter the BIC of the account that is to be credited in RTGS;

Creditor » Creditor ID » BICFI – this field requires the user to enter the BIC of the creditor;

Interbank Settlement:

Interbank Settlement Amount – this field requires the user to enter the amount that is to be transferred between the instructing agent and the instructed agent;

Interbank Settlement Date – this field requires the user to enter the date on which the settlement is to take place. The date can be set for the current business day and up to 10 calendar days in advance. The user can enter the interbank settlement date manually or specify it by clicking on the calendar button.

Settlement Priority – this field gives the possibility to choose which level of priority the user wants to assign to the payment. For this payment the user must select the option “NORM”;



The screenshot shows a form titled "Interbank Settlement*" with three input fields. The first field is "Interbank Settlement Amount*" with a text input and a "EUR" button. The second field is "Interbank Settlement Date*" with a calendar icon and the date "2021-09-28". The third field is "Settlement Priority" with a dropdown menu showing "NORM" and a downward arrow.

Payment ID:

Instruction ID – this field requires the user to enter the unique identification as assigned by an instructing party for an instructed party in order to identify the instruction. The instruction identification is a reference that can be used between the instructing party and the instructed party to refer to the individual instruction.

End to End ID – this field requires the initiating party to enter the end-to-end identification to identify the transaction. If no end-to-end reference was provided by the debtor, the field is automatically filled with “NOTPROVIDED”.

4. Click on the “Submit” button.

If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Change the order of the payments in the queue

This test step describes how to increase or decrease the queue position of cash transfer orders with the status “Queued”.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria, in this case the list will show the two cash transfer orders entered in step1;



4. For the payments under the same conditions, i.e which are in Queued status and have normal priority, the system automatically assigns a sequence to settle for the payments entered.

The user must select one of the cash transfer orders that are to be reordered. Right-click on the selected item and select the context menu entry “Increase” or “Decrease” respectively.



5. A confirmation pop-up opens showing details of the selected cash transfer order and the user must click on the “Yes” button to confirm the reordering of the cash transfer order.

Step 3 – Query queue order

The purpose of this step is to verify that the user can reorder cash transfer orders.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria, in this case the list will show the two cash transfer orders entered in Step 1;
4. The user can verify that the sequence of payments in the queue position has switched.



The cash transfer order selected on step 2 was in the queue first position and the user selected the option “Decrease”. This made that the selected cash transfer order moves to second place in the

queue for settlement while the cash transfer order that was in the second position automatically move to the first position.

Step 4 – Perform the revocation of the orders

The user must follow the steps as described in the "[Payment Revocation](#)" test (Step 2 - Perform the revocation of the order).

Additionally, the user can select both transfer orders at the same time and revoke them.

Queue Position	Priority	Instruction ID	End to End ID	Message Type	Debit Account	Credit Account	Amount	Cash Transfer Status	Earliest Debit Timestamp	Latest Debit Timestamp	Settlement Timestamp	Entry
2	Normal	TEST-NORMAL/AV	TEST-NORMAL/AV	Financial Institution Credit Transfer (Finc...	Reserve	BSGA/PTZDET	5,000.00 EUR	Queued				2021-11-11
1	Normal	TEST-HIGHPRIORITY	TEST-HIGHPRIORITY	Financial Institution Credit Transfer (Finc...	Reserve	BSGA/PTZDET	2,000.00 EUR	Queued				2021-11-11

2.4.1.17 RTGS.U2A.017 - Bilateral limit – Current order

ID	RTGS.U2A.017
Name	Bilateral limit – Current order
Applicable to	RTGS DCA Account holder
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> AH RTGS Reader 2E AH RTGS Limit/Reservation Manager 2E/4E <p>To perform this test it is necessary create bilateral limits on CRDM first</p>
Test Evidence	Printscreen of the list of bilateral limits screen before and after the change

Description:

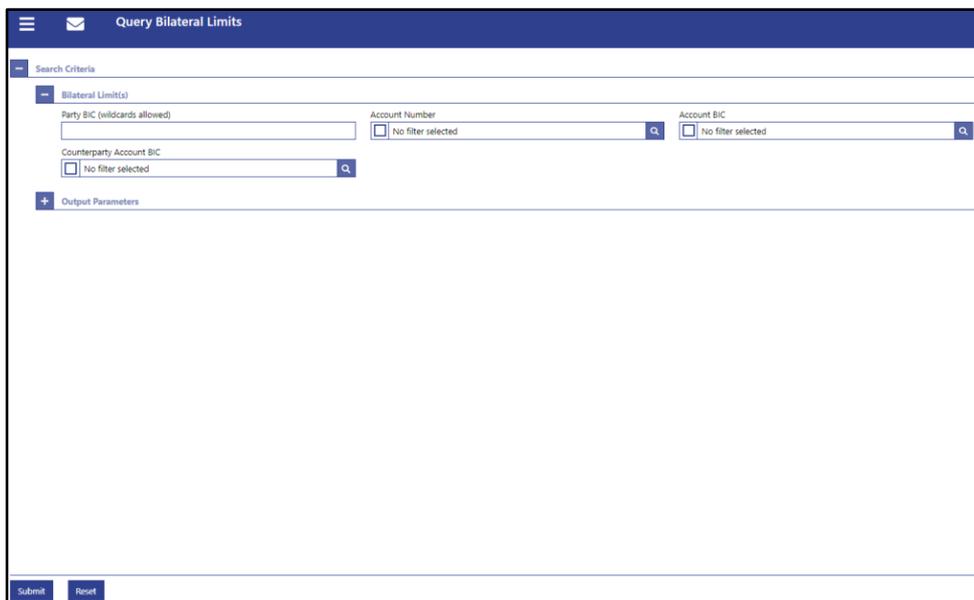
Step 1 – Modify bilateral limit

This test step describes how to modify a bilateral limit directly on RTGS. Bilateral limits can be increased, decreased or set to zero and modifications done in RTGS are only valid for the current business day. If the user intends to change bilateral limits definitively that needs to be performed in CRDM.

1. Select the main menu entry "Liquidity Management Features" and click on the sub-menu entry "Query Bilateral Limits";



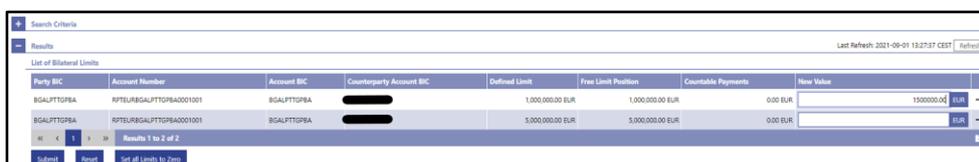
2. Enter the relevant attribute values of the respective limits that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;



3. The “Bilateral Limits – List Screen” opens. The respective list shows all limits matching the entered criteria.

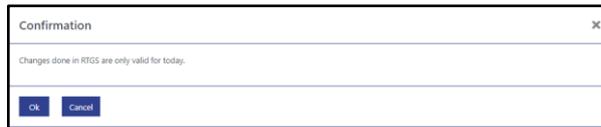


4. The user must enter an amount that is supposed to be the new bilateral limit in the field “New Value” of the respective list entry and click on the “Submit” button.



The entered amount can be higher or lower than the defined bilateral limit, however the new value has to be at least 1 M (for EUR).

5. A confirmation pop-up opens displaying the information “Changes done in RTGS are only valid for today” and the user must click on “Ok” button.



If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

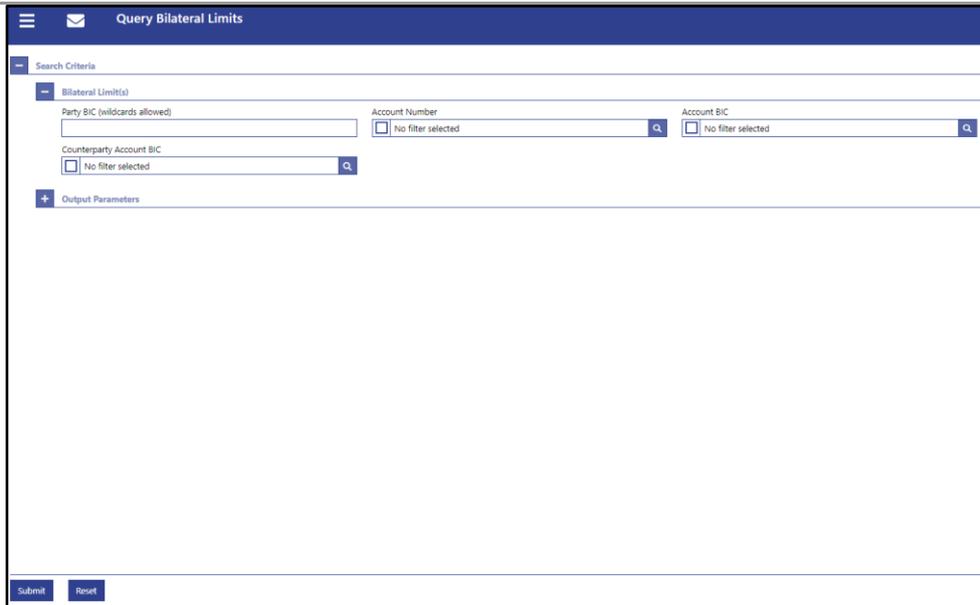
Step 2 – Set to zero bilateral limit

This test step describes how to set bilateral limits to zero. The reset is only valid for the current business day and once a bilateral limit is set to zero it is not possible to increase it again on the same business day.

1. Select the main menu entry “Liquidity Management Features” and click on the sub-menu entry “Query Bilateral Limits”;



2. Enter the relevant attribute values of the respective limits that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;



3. The “Bilateral Limits – List Screen” opens. The respective list shows all limits matching the entered criteria.



4. The user have the possibility to set only one limit to zero or to set all limits to zero.
 If the user wants to set only one limit to zero then the user must enter the amount “0.00” in the field “New Value” of the respective list entry and click on the “Submit” button.
 If the user wants to set all limits to zero the user must click on the “Set all limits to zero” button.
5. A confirmation pop-up opens displaying the information “Changes done in RTGS are only valid for today” and the user must click on “Ok” button.



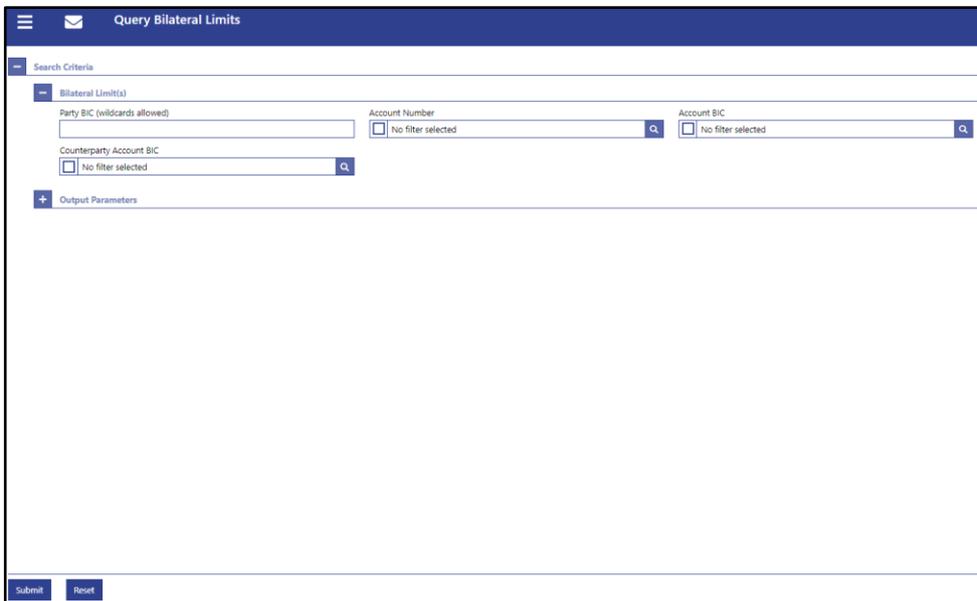
If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 3 – Query limit

1. Select the main menu entry “Liquidity Management Features” and click on the sub-menu entry “Query Bilateral Limits”;



2. Enter the relevant attribute values of the respective limits that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;



3. The “Bilateral Limits – List Screen” opens. The respective list shows all limits matching the entered criteria.



Due to the test performed in step 2 where the user has set bilateral limits to zero those limits are cleared for the current business day.

2.4.1.18 RTGS.U2A.018 - Multilateral limit – Current order

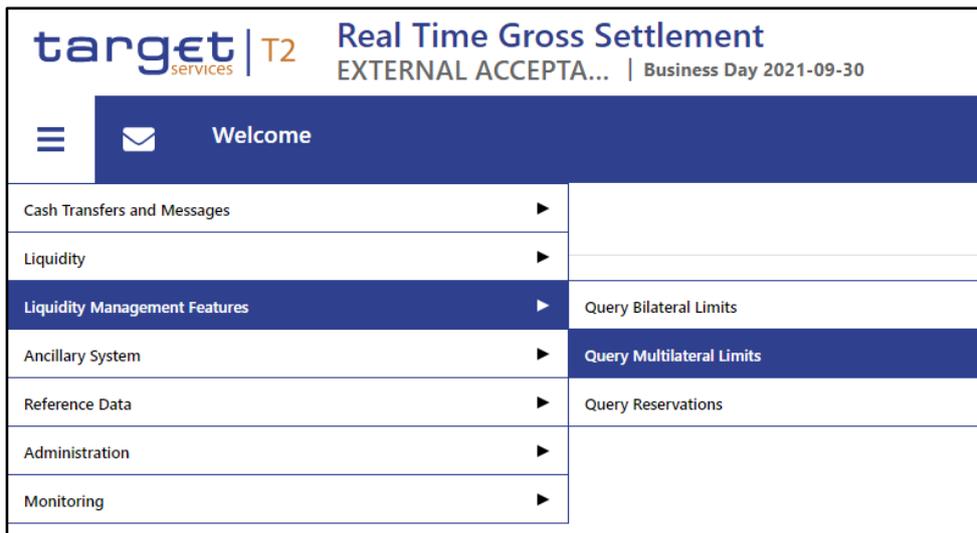
ID	RTGS.U2A.018
Name	Multilateral limit – Current order

Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH RTGS Reader 2E • AH RTGS Limit/Reservation Manager 2E/4E To perform this test it is necessary create bilateral limits on CRDM first
Test Evidence	Printscreen of the list of multilateral limits screen before and after the change

Description:**Step 1 – Modify multilateral limit**

The amount of the multilateral limits are defined by corresponding standing orders and are updated at the beginning of each business day. Modifying a standing order is only possible in CRDM while the modifications done directly in RTGS have immediate effect and are only valid for the current business day.

1. Select the main menu entry “Liquidity Management Features” and click on the sub-menu entry “Query Multilateral Limits”;



2. Enter the relevant attribute values of the respective limits that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;

- The “Multilateral Limits – List Screen” opens. The respective list shows all limits matching the entered criteria.

Party BIC	Account Number	Account BIC	Defined Limit	Free Limit Position	Countable Payments	New Value
BFAAPPXXXX	BFAAPPXXXX048001	BFAAPPXXXX	1,000,000.00 EUR	1,000,000.00 EUR	0.00 EUR	0.00 EUR

- The user must enter an amount that is supposed to be the new multilateral limit in the field “New Value” of the respective list entry and click on the “Submit” button.

Party BIC	Account Number	Account BIC	Defined Limit	Free Limit Position	Countable Payments	New Value
BFAAPPXXXX	BFAAPPXXXX048001	BFAAPPXXXX	1,000,000.00 EUR	1,000,000.00 EUR	0.00 EUR	1000000.00 EUR

The entered amount can be higher or lower than the defined multilateral limit, however the new value has to be at least 1 M (for EUR).

- A confirmation pop-up opens displaying the information “Changes done in RTGS are only valid for today” and the user must click on “Ok” button.

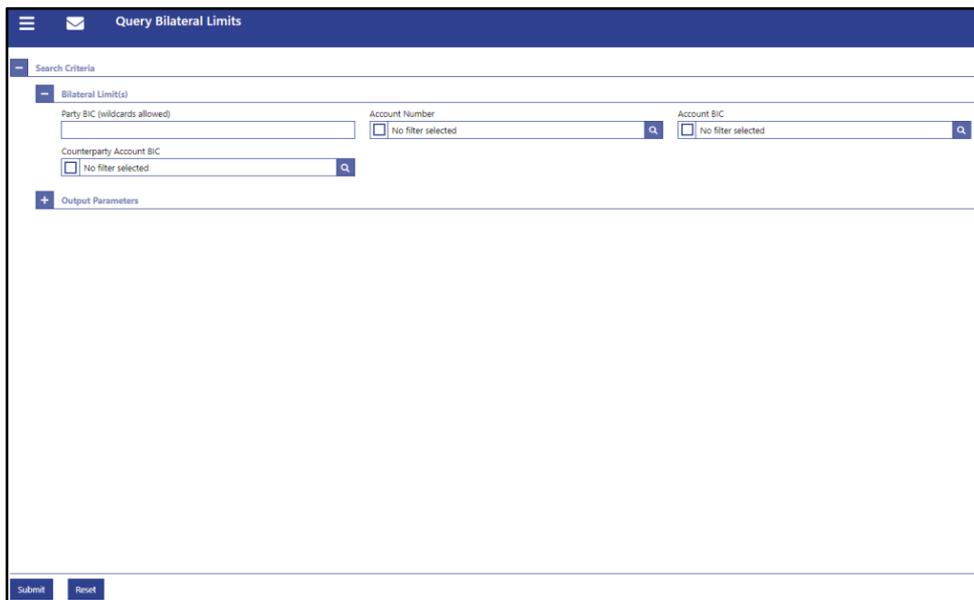
If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Query limit

1. Select the main menu entry “Liquidity Management Features” and click on the sub-menu entry “Query Multilateral Limits”;



2. Enter the relevant attribute values of the respective limits that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;



3. The “Multilateral Limits – List Screen” opens. The respective list shows all limits matching the entered criteria.



2.4.1.19 RTGS.U2A.019 - Reservation

ID	RTGS.U2A.019
Name	Reservation
Applicable to	RTGS DCA Account holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH RTGS Reader 2E • AH RTGS Limit/Reservation Manager 2E/4E
Test Evidence	Printscreen of the reservations (display reservations screen) before and after the change

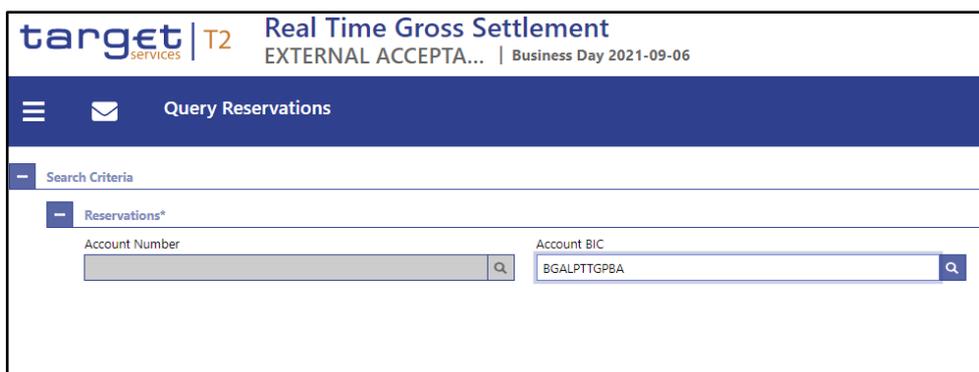
Description:**Step 1 – Enter current reservation**

The amount of the reservations is defined by a corresponding standing order and is updated at the beginning of each business day. Modifying a standing order is only possible in CRDM. This test step describes how to enter urgent and high reservations with immediate effect as a one-time reservation directly in RTGS.

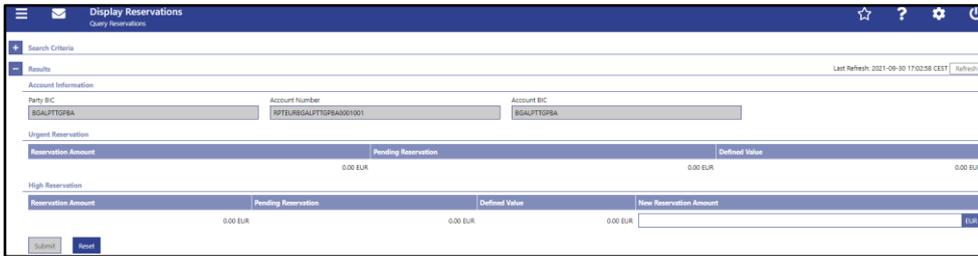
1. Select the main menu entry “Liquidity Management Features” and click on the sub-menu entry “Query Reservations”;



2. The user must enter the account number or the account BIC of the account whose reservations are to be displayed and click on the “Submit” button;

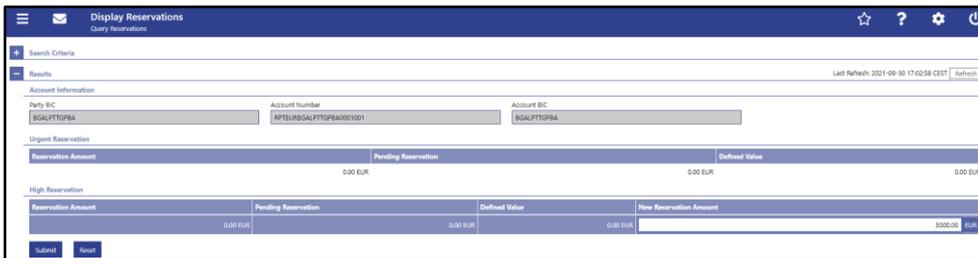


- The “Reservations – DisplayScreen” opens. The current reservations for payments with the priorities “Urgent” and “High” are displayed;

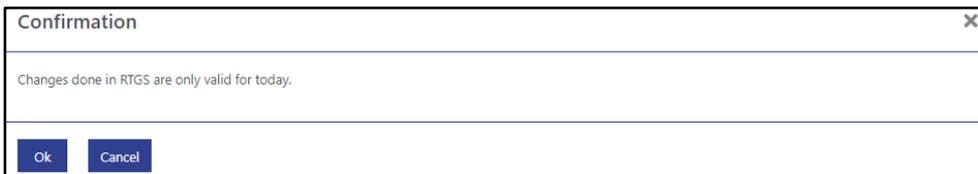


- In order to enter an urgent or high reservation, the user must use the specific sections “Urgent Reservation” or “High Reservation”.

The user must enter an amount that is supposed to be the reservation amount in the field “New Reservation Amount” for High Reservations and click on the “Submit” button.



- A confirmation pop-up opens displaying the information “Changes done in RTGS are only valid for today” and the user must click on the “Ok” button;



If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>QueryTask Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 2 – Modify current reservation

This test step describes how to modify a current reservation directly in RTGS. A reservation can be increased, decreased or set to zero and it is only valid for the current business day.

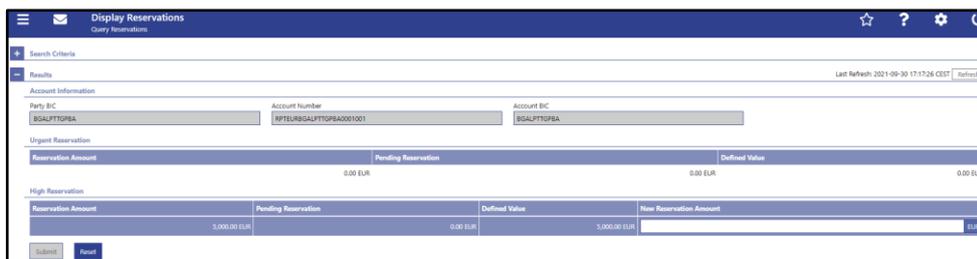
- Select the main menu entry “Liquidity Management Features” and click on the sub-menu entry “Query Reservations”;



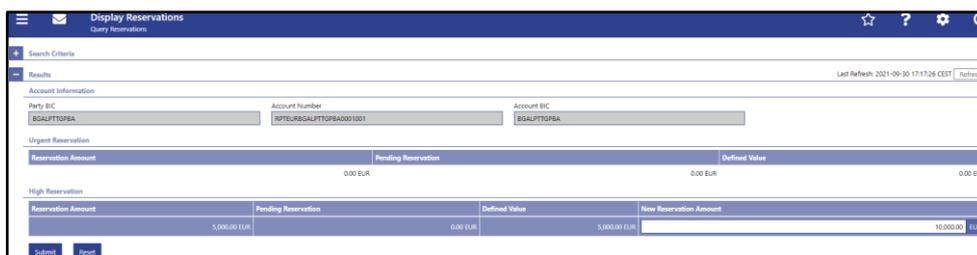
- The user must enter the account number or the account BIC of the account whose reservations are to be displayed and click on the "Submit" button;



- The "Reservations – DisplayScreen" opens. The current reservations for payments with the priorities "Urgent" and "High" are displayed.



- In order to modify a high reservation, the user must use the section "High Reservation". Enter an amount that is supposed to be the new reservation amount in the field "New Reservation Amount" of the High Reservation section and click on the "Submit" button.



The entered amount can be higher or lower than the defined reservation amount in order to increase/decrease the reservation and can also be “0.00” in order to set the reservation amount to zero.

5. A confirmation pop-up opens displaying the information “Changes done in RTGS are only valid for today” and the user must click on “Ok” button.



If the user is working in four eyes mode it is necessary that a second user will then go to Administration>>Query Task Queue>>Submit. The second user selects the desired task and with a right-click selects the context menu entry “Details”. After validating the information, the second user will decide to confirm by clicking on the “Confirm” button or, if something goes wrong, by clicking on the “Withdraw” button. A pop-up confirmation opens displaying the information “Confirm/Withdraw the Task with ID : #####” and the user must click on the “Yes” button.

Step 3 – Query reservation

1. Select the main menu entry “Liquidity Management Features” and click on the sub-menu entry “Query Reservations”;



2. The user must enter the account number or the account BIC of the account whose reservations are to be displayed and click on the “Submit” button;



- The “Reservations – DisplayScreen” opens. The current reservations for payments with the priorities “Urgent” and “High” are displayed.

The screenshot shows a web application interface titled "Display Reservations". It includes a search criteria section, account information (Party BIC: BSGALFTTGPBA, Account Number: RPTBURBSGALFTTGPBA0001001, Account BIC: BSGALFTTGPBA), and a table of reservations. The table has columns for Reservation Amount, Pending Reservation, and Defined Value. A red box highlights a row under the "High Reservation" section with a Reservation Amount of 10,000.00 EUR. Below the table, there is a "New Reservation Amount" input field with a value of 5,000.00 EUR and "Submit" and "Reset" buttons.

2.4.1.20 RTGS.U2A.020 - Ancillary System Settlement Management

ID	RTGS.U2A.016
Name	AS Settlement Management
Applicable to	Ancillary System
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> AH RTGS AS Manager 2E/4E AH RTGS Payment Manager 4E
Test Evidence	Printscreen of the: <ul style="list-style-type: none"> Revoke file (list of AS batches screen) or its reference Revoke AS transfer order (list of cash transfers screen) or its instruction reference Printscreen of the queue list (list of AS batches screen) before and after the change Printscreen of the end of settlement period before and after the change

Description:

Step 1 – Revoke AS file

Revoking AS batches is only possible for AS batches with AS settlements procedure “A” or “B”.

AS batches with the status “Rejected at Group Level” or “Accounting Processed” cannot be revoked.

Only the initiating AS, the responsible central bank of the initiating AS and the operator are allowed to revoke batches.

- Select the main menu entry “Ancillary System” and click on the sub-menu entry “Query AS Batches”;
- Enter the relevant attribute values of the AS batches that are to be displayed;
- Click on the “Submit” button.
- Right-click on the AS batch that is to be revoked and select the context menu entry “Revoke”;
- A confirmation pop-up opens showing details of the selected AS batch;
- Click on the “Yes” button to confirm the revocation of the AS batch.

Step 2 – Revoke AS transfer order

Revoking AS transfer orders is only possible for AS transfer orders with AS settlement procedure “E” and status “Earmarked” or “Queued”. This function is only available for the AS, the central bank of the AS and the operator.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria;
4. Select one or more AS transfer order(s) that are to be revoked;
5. Right-click on the selected item(s) and select the context menu entry “Revoke”;
6. A confirmation pop-up opens showing details of the selected AS transfer order(s);
7. Click on the “Yes” button to confirm the revocation of the AS transfer order(s);
8. The user returns to the “Cash Transfers – List Screen”. The notification area shows whether the submission of the data has been completed.

Step 3 – Modify AS transfer order

This test step describes how to increase or decrease the queue position of AS transfer orders. Reordering AS transfer orders is only possible for AS transfer orders with the settlement procedure “E” and the status “Queued”.

This function is only available for the central bank of the debited settlement bank and the operator.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
 2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
 3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria;
 4. Select one or more AS transfer order(s) that are to be reordered;
 5. Right-click on the selected item(s) and select the context menu entry “Increase” or “Decrease” respectively;
 6. A confirmation pop-up opens showing details of the selected AS transfer order(s);
 7. Click on the “Yes” button to confirm the reordering of the AS transfer order(s);
-

-
8. The user returns to the “Cash Transfers – List Screen”. The notification area shows whether the submission of the data has been completed.

Step 4 – Release AS batch/AS transfer order of blocked party

This use case includes functions for releasing blocked AS batches and blocked AS transfer orders.

Release AS batch of blocked party

Releasing AS batches is only possible for AS batches related to settlement procedures A and B with the AS Batch Status “Stopped due to Blocking”.

This function is only available for the operator and the central bank of the excluded AS.

1. Select the main menu entry “Anciliary System” and click on the sub-menu entry “Query AS Batches”;
2. Enter the relevant attribute values of the AS batches that are to be displayed;
3. Click on the “Submit” button;
4. Right-click on the AS batch(es) that are to be released and select the context menu entry “Agree” or “Disagree”;
5. A confirmation pop-up opens showing details of the selected AS batch(es);
6. Click on the “Yes” button to confirm the release of the AS batch(es).

Release AS transfer order of blocked party

Releasing AS transfer orders is only possible for AS transfer orders which are earmarked due to the blocking of a party or an account.

In case the AS or the AS technical account of the AS transfer order is blocked the responsible central bank of the AS has alternatively the option to agree on the AS Batch for batches on procedure A and B. For all other procedures the responsible AS has to agree on single AS transfers.

In case one of the settlement banks are blocked, the central bank has to agree on every single AS transfer order.

This function is only available for the operator and the central bank of the excluded AS, the central bank of the excluded AS technical account and the central bank of the excluded settlement bank.

1. Select the main menu entry “Cash Transfers and Messages” and click on the sub-menu entry “Query Cash Transfers”;
 2. Enter the relevant attribute values on search criteria about the cash transfers that are to be displayed. If the user does not want to restrict the search then just click on the “Submit” button;
 3. The “Cash Transfers – List Screen” opens. The list shows all cash transfers matching the entered search criteria;
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4. Right-click on the AS transfer order(s) that are to be released and select the context menu entry “Agree” or “Disagree”;
5. A confirmation pop-up opens showing details of the selected AS transfer order(s);
6. Click on the “Yes” button to confirm the release of the AS transfer order(s).

Step 5 - Enter current liquidity transfer order to technical account - AS procedure D

1. Select the main menu entry “Ancillary System” and click on the sub-menu entry “Query AS Technical Accounts Procedure D”;
2. The “Linked AS Technical Accounts Procedure D – Query Screen” opens;
3. Enter the relevant attribute values of the RTGS DCA whose linked AS technical accounts are to be displayed;
4. Click on the “Submit” button;
5. The “Linked AS Technical Accounts Procedure D – List Screen” opens. The list shows all AS technical accounts that are linked to the selected RTGS DCA;
6. Right-click on the technical account to which the liquidity transfer order is to be initiated and select the context menu entry “New Liquidity Transfer”;
7. The “Liquidity Transfer to Technical Account Procedure D – New Screen” opens. The section “Liquidity Transfer Account Information” is pre-filled with the DCA information (instructing agent) and the technical account information (instructed agent) of the previously selected item;
8. Enter the BIC of the debited settlement agent in the ancillary system and the BIC of the credited settlement agent respectively. Optionally, enter an IBAN or another identification of the creditor account;
9. Enter the amount that is to be transferred and provide an end-to-end identification for the liquidity transfer order;
10. Click on the “Submit” button.

Step 6 – Modify End of Settlement Period

1. Select the main menu entry “Ancillary System” and click on the sub-menu entry “Query AS Batches”;
 2. Enter the relevant attribute values of the AS batches that are to be displayed;
 3. Click on the “Submit” button;
 4. Right-click on the AS batch whose end of settlement period is to be modified and select the context menu entry “Change End of Settlement Period”;
 5. The “AS batches – Change End of Settlement Period – Pop-up” opens displaying information with regard to the selected AS batch;
 6. Fill in the field “New End of Settlement Period” by entering a timestamp manually or by clicking on the clock and calendar buttons. The new end of settlement period must be later than the
-

start of settlement period. The new end of settlement period cannot be earlier than the current system time;

7. Click on the "Submit" button.

2.4.2 Application-to-Application (A2A)

2.4.2.1 RTGS.A2A.001 - Process Customer payment - pacs.008

ID	RTGS.A2A.001
Name	Process Customer payment - pacs.008
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the roles: <ul style="list-style-type: none"> • AH RTGS Payment Manager 4E • AH RTGS Reader 2E
Test Evidence	Copy of the sent and receives pacs.008 and the returned pacs.002 (if configured)

Description:

Step 1 – Send Customer payment - pacs.008

The participant sends a payment order to a counterpart that receives a forwarded payment message (pacs.008 "outbound").

A positive PaymentStatusReport (pacs.002) notification is returned to the participant (if configured) confirming the success of the cash transfer order.

Step 2 – Receive Customer payment - pacs.008

Participants should contact other institutions and ask them to send a pacs.008.

As a last resort, participants can also ask Banco de Portugal to send the pacs.008 to the participant, via the e-mail target@bportugal.pt.

2.4.2.2 RTGS.A2A.002 - Process interbank payment - pacs.009

ID	RTGS.A2A.002
Name	Process interbank payment - pacs.009
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the roles: <ul style="list-style-type: none"> • AH RTGS Payment Manager 4E • AH RTGS Reader 2E

Test Evidence	Copy of the sent and received pacs.009 and the returned pacs.002 (if configured)
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Description:**Step 1 – Send Interbank payment - pacs.009**

The participant sends a payment order to a counterpart that receives a forwarded payment message (pacs.009 "outbound").

A positive PaymentStatusReport (pacs.002) notification is returned to the participant (if configured) confirming the success of the cash transfer order.

Step 2 – Receive Interbank payment - pacs.009

Participants should contact other institutions and ask them to send a pacs.009.

As a last resort, participants can also ask Banco de Portugal to send the pacs.009 to the participant, via the e-mail target@bportugal.pt.

2.4.2.3 RTGS.A2A.003 - Process direct debit - pacs.010

ID	RTGS.A2A.003
Name	Process direct debit - pacs.010
Applicable to	RTGS DCA account holder with A2A connection (only for institutions to which a direct debit notification has been granted)
Pre-conditions	The relevant direct debit mandate must be in place A2A user should have been granted the roles: <ul style="list-style-type: none"> • AH RTGS Payment Manager 4E • AH RTGS Reader 2E
Test Evidence	Copy of the sent pacs.010 and the returned pacs.002 (if configured)

Description:**Step 1 – Send direct debit - pacs.010**

This test case is mandatory only for institutions to which a direct debit notification has been granted.

The participant sends a Financial Institution Direct Debit order (pacs.010) to debit the counterpart RTGS account holder.

A positive PaymentStatusReport (pacs.002) notification is returned to the participant (if configured) confirming the success of the cash transfer order.

Step 2 – Receive direct debit - pacs.010

Participants can ask Banco de Portugal to send the pacs.010 to the participant, via the e-mail target@bportugal.pt.

2.4.2.4 RTGS.A2A.004 - Receive Resolution of investigation - camt.029

ID	RTGS.A2A.004
Name	Receive Resolution of investigation - camt.029
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH RTGS Reader 2E
Test Evidence	Copy of the received camt.029

Description:

The camt.029 is used to negatively answer a recall message.

The participant receives a camt.029 in response to a payment recall.

2.4.2.5 RTGS.A2A.005 - Process Payment recall - pacs.004

ID	RTGS.A2A.005
Name	Process Payment recall - pacs.004
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH RTGS Reader 2E
Test Evidence	Copy of the sent and received pacs.004 and the returned pacs.002 (if configured)

Description:**Step 1 – Send payment recall - pacs.004**

Payment order counterparty receives a forwarded payment message (pacs.004 "outbound").

A positive PaymentStatusReport (pacs.002) notification is returned to the submitting actor (if requested)

Step 2 – Receive payment recall - pacs.004

Participant is credited and receives the pacs.004 message.

2.4.2.6 RTGS.A2A.006 - Process liquidity transfer order between RTGS DCAs

ID	RTGS.A2A.006
Name	Process liquidity transfer order between RTGS DCAs
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH RTGS Liquidity Transfer Manager 4E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:**Step 1 – Insert liquidity transfer order - Between RTGS DCAs**

The following steps are required to process a liquidity transfer from a RTGS to another RTGS DCA:

- i. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the RTGS DCA to be debited and tag Credit Account >> Account number is filled in with number of the RTGS DCA to be credited;
- ii. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the RTGS holder.

2.4.2.7 RTGS.A2A.007 - Process liquidity transfer order from RTGS DCA to a MCA

ID	RTGS.A2A.007
Name	Process liquidity transfer order from RTGS DCA to a MCA
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH RTGS Liquidity Transfer Manager 4E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:**Step 1 – Insert liquidity transfer order - Between RTGS DCA and MCA**

The following steps are required to process a liquidity transfer from a RTGS to another MCA:

- i. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the RTGS DCA to be debited and tag Credit Account >> Account number is filled in with number of the MCA to be credited.
- ii. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the RTGS holder.

2.4.2.8 RTGS.A2A.008 - Process liquidity transfer order from RTGS DCA to a T2S DCA

ID	RTGS.A2A.008
Name	Process liquidity transfer order from RTGS DCA to a T2S DCA
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH RTGS Liquidity Transfer Manager 4E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:**Step 1 – Insert liquidity transfer order - Between RTGS DCA and T2S DCA**

The following steps are required to process a liquidity transfer from a RTGS to another T2S DCA:

- i. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the RTGS DCA to be debited and tag Credit Account >> Account number is filled in with number of the T2S DCA to be credited.
- ii. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the RTGS holder.

2.4.2.9 RTGS.A2A.009 - Process liquidity transfer order from RTGS DCA to a TIPS DCA

ID	RTGS.A2A.009
Name	Process liquidity transfer order from RTGS DCA to a TIPS DCA
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH RTGS Liquidity Transfer Manager 4E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:**Step 1 – Insert liquidity transfer order - Between RTGS DCA and TIPS DCA**

The following steps are required to process a liquidity transfer from a RTGS to another TIPS DCA:

- i. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the RTGS DCA to be debited and tag Credit Account >> Account number is filled in with number of the TIPS DCA to be credited.
- ii. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the RTGS holder.

2.4.2.10 RTGS.A2A.010 - Receive liquidity transfer order between RTGS DCA and MCA

ID	RTGS.A2A.010
Name	Receive liquidity transfer order between RTGS DCA and MCA
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH RTGS Liquidity Transfer Manager 4E
Test Evidence	Copy of the received camt.054

Description:**Step 1 – Receive liquidity transfer order - Between RTGS DCA and MCA (camt.054)**

To receive a liquidity transfer crediting the RTGS DCA and debiting another MCA, a RTGS, T2S or a TIPS DCA, the following steps should be followed:

- i. If the RTGS holder has another MCA, RTGS, T2S or a TIPS DCA, can send a liquidity transfer from such account to the RTGS. If not, it can request another participant (holding such type of accounts) or Banco de Portugal to send those liquidity transfers.
- ii. Upon confirmation that the liquidity transfer was sent, the participant should confirm the reception and integration in the internal applications of a camt.054, informing about the credit in the RTGS.

2.4.2.11 RTGS.A2A.011 - Payment revocation

ID	RTGS.A2A.011
Name	Payment revocation
Applicable to	RTGS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH RTGS Payment Manager 4E
Test Evidence	Copy of the sent pacs.008/009 and the received pacs.002

Description:**Step 1 – Insert payment order for which there is not enough liquidity**

The user must insert a payment order (pacs.008 or pacs.009) for which there is not enough liquidity.

The payment order inserted will be in the status “Queued”.

Step 2 – Request payment order revocation

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). If not, RTGS revokes the payment order.

Step 3 – Query order revocation

The user must query the payment order inserted in step 1 and verify if the status is “Revoked”.

2.4.2.12 RTGS.A2A.012 - Process RTGS Statement of Accounts

ID	RTGS.A2A.012
Name	Process RTGS Statement of Accounts
Applicable to	RTGS DCA account holder with A2A connection

Pre-conditions	RTGS DCA holder has subscribed the reception of camt.053 for the RTGS DCA
Test Evidence	Copy of the received camt.053

Description:

To test the processing of a camt.053 - RTGS Statement of accounts for a RTGS DCA, the participant shall verify the correct reception of the camt.053 and confirm that it was correctly integrated in the internal applications.

2.4.2.13 RTGS.A2A.013 - AS Settlement

ID	RTGS.A2A.013
Name	AS Settlement Management
Applicable to	Ancillary Systems and the respective settlement banks
Test Evidence	Copy of the pain.998 ASInitiationStatus

Description:**Step 1 – Send AS file - Procedure A (Debits First)**

This test describes procedure A whereby an Ancillary System, allowed to use procedure A, sends an AS pain.998 - ASTransferInitiation with all multilateral balances to be debited and credited on the AS settlement banks RTGS DCAs. RTGS settles all debits before settling the credits. All individual orders are settled against the technical account of the AS. RTGS processes all credits.

After all AS transfers have been settled the ancillary system receives a notification pain.998 – ASInitiationStatus , confirming the settlement of the entire AS batch message.

The AS settlement banks are informed via a camt.054 - BankToCustomerDebitCreditNotification, if subscribed.

Step 2 – Send AS file - Procedure B (All or nothing)

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.

An Ancillary System, allowed to use procedure B, sends an pain.998 - ASTransferInitiation with all multilateral balances to be debited and credited on the AS settlement banks' RTGS DCAs. All individual orders are settled against the technical account of the AS.

RTGS processes all debits/credits. The AS settlement banks are informed via a camt.054 - BankToCustomerDebitCreditNotification, if subscribed.

After all AS transfers have been settled the ancillary system) receives a notification (pain.998 – ASInitiationStatus), confirming the settlement of the entire AS batch message.

Step 3 – Send AS file - Procedure C (Transfer order on sub-accounts)

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 of standing orders in RTGS” of new business day) and allows ancillary systems to execute optional procedure(s) (the ancillary system sends a message camt.021 - ReturnGeneralBusinessInformation indicating the start of the optional procedure.

All individual orders are settled against the technical account of the AS.

RTGS processes all credits. The AS settlement banks are informed via a camt.054 – BankToCustomerDebitCreditNotification, if subscribed.

After all AS transfers have been settled the ancillary system (or the relevant CB on its behalf) receives a notification (pain.998 - ASInitiationStatus, confirming the settlement of the entire AS batch message.

Step 4 – Send AS file - Procedure D (Transfer Orders on a Technical Account)

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 standing orders in RTGS” of new business day).

After all AS transfers have been settled the ancillary system receives a notification (pain.998 – ASInitiationStatus), confirming the settlement of the entire AS batch message.

Step 5 – Send AS file - Procedure E (Bilateral settlement)

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.

The pain.998-TransferInitiation message passes the business validation and it is submitted to settlement. During the process "Perform standard RTGS settlement" the AS transfer order is settled so the AS receives single notifications pain.998 - ASInitiationStatus (AS transfer order settlement notification) with Group Status=ASCD.

The Settlement Banks receive a camt.054 - BankToCustomerDebitCreditNotification message (with local instrument ASTI), if subscribed.

2.5 ECONS – Enhanced Contingency Solution

2.5.1 User-to-Application (U2A)

2.5.1.1 ECONS.U2A.001 - Access to ECONS

ID	ECONS.U2A.001
Name	Access to ECONS
Applicable to	MCA holders (given that an ECONS account has to be opened for each MCA)
Pre-conditions	User should have been granted the role AH ESMIG Access
Test Evidence	Printscreen of the ECONS homepage

Description:

To reach ECONS, the user shall access the ESMIG Portal > choose option ECONS > select the ECONS option > select its user > press the submit button, after which the user will be redirected to ECONS.

The screenshot displays the ESMIG Portal interface. At the top, the 'target SERVICES' logo is on the left, and user information 'Welcome PGU110 | 2021-11-26 18:13' and system details 'Stage: EAC | Version 1.0.1 | Go Sign Client: 32 bit 64 bit' are on the right. The main heading is 'Services List' with the instruction 'Choose an Application and your System User Reference'. The interface is divided into three main sections: 'Choose a Service' with radio buttons for 'T2' (checked) and 'TIPS'; 'Choose Component or Application' with a list of components where 'ECONS II' is selected; and 'Choose a System User' with a search box containing 'cbp' and a list of users where 'CPTBGALPTTGXXXCBPGU110' is selected. A blue 'Submit' button is located at the bottom left of the form area.

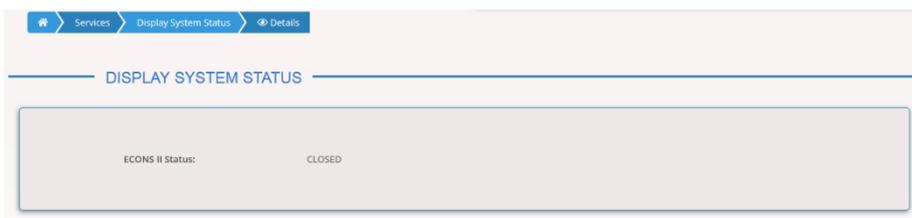
2.5.1.2 ECONS.U2A.002 - Query ECONS Status

ID	ECONS.U2A.002
Name	Query ECONS Status
Applicable to	MCA holders (given that an ECONS account has to be opened for each MCA)
Pre-conditions	User should have been granted the role AH ECONS 2 Reader

Test Evidence	Printscreen of the result of the query (display system status screen)
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Description:

To query the ECONS status, the user shall reach the screen *Services >> Display System Status >> Display System Status – Details Screen*. Once there, the user will see if the status of ECONSII is either “Open” or “Closed”, as per below:

Open Status**Closed Status****2.5.1.3 ECONS.U2A.003 - Query liquidity**

ID	ECONS.U2A.003
Name	Query liquidity
Applicable to	MCA holders (given that an ECONS account has to be opened for each MCA)
Pre-conditions	User should have been granted the role AH ECONS 2 Reader
Test Evidence	Printscreen of the result of the query

Description:

To query the liquidity available in ECONS participants account the user shall reach the screen *Liquidity Management >> Select Participant >> Search* (using the Party BIC).

2.5.1.4 ECONS.U2A.004 - Insert and query a payment

ID	ECONS.U2A.004
Name	Insert and query a payment
Applicable to	MCA holders (given that an ECONS account has to be opened for each MCA)
Pre-conditions	<p>User should have been granted roles:</p> <ul style="list-style-type: none"> • AH ECONS 2 Reader • AH ECONS 2 Manager 4E <p>ECONS has to be open (usually, ECONS is open for testing on Thursdays, between 09h00 and 12:00 CET).</p>
Test Evidence	<p>Printscreen of the payment or its instruction reference</p> <p>Printscreen of the result of the query (payment list screen)</p>

Description:

To insert and query a payment in ECONS the user shall:

Step 1 – Insert a payment

The user shall reach the screen *Liquidity Management >> Select Participant >> Select Participant – Search Screen*. After selecting the participant BIC and pressing the search button, the user shall press the “*Insert payment*” button.

In the screen displayed, the user shall enter the creditor BIC (BIC of the account to be credited) and the payment amount. The user can also enter four digits that will be reported in the first four characters of the payment reference.

If the payment has been inserted following the four-eyes principle, the second user shall go to screen *services*>> *Task Queue* > fill in the relevant search criteria [hint: it might be enough to select the status “Awaiting Approval” on the status field] > press the button Search > choose the relevant payment > press the button Details. After validating the information, the second user approves the payment or rejects it in case any incoherence is spotted. If the payment is rejected, the previous step has to be correctly repeated.

Step 2 – Query a payment

The user shall reach the screen *Payments – Search/List screen: Payments* >> *Search Payments* >> *Payments – Search/List Screen*> choose the *Business Date* > *press the Search button*. Once the list of payment is shown, the user can check the payment.

Internal Transfer	TRN	Amount	Curr	Send	Det	Cred	Status	Entry	Final	Error	Error
4PMNTPMBKTCSD00XXE2	E2 20123000	100.00	EUR	PMBKTCSD0	PMBKTCSD0	PMBKTCSD0	Settled	2021-02-04 1	2021-02-04 1		
2PMNTHCBKTCSD00XXE2	E2 21010400	10.00	EUR	NCBKTCSD0	PMBKTCSD0	PMBKTCSD0	Settled	2021-02-04 1	2021-02-04 1		
Group id: ASIGroup123							Settled	2021-02-04 1	2021-02-04 1		
1PMNTHCBKTCSD00XXE2	E2 20123000	100.00	EUR	NCBKTCSD0	PMBKTCSD0	PMBKTCSD0	Settled	2021-02-04 1	2021-02-04 1		
3PMNTHCBKTCSD00XXE2	E2 21010400	10.00	EUR	NCBKTCSD0	PMBKTCSD0	PMBKTCSD0	Settled	2021-02-04 1	2021-02-04 1		
Group id: ASIGroup124							Failed	2021-02-04 1	2021-02-04 1	ED0112	Not valid Payr
7PMNTHCBKTCSD00XXE2	E2 20123000	200.00	EUR	NCBKTCSD0	PMBKTCSD0	PMBKTCSD0	Failed	2021-02-04 1	2021-02-04 1	ED0112	Not valid Payr
6PMNTHCBKTCSD00XXE2	E2 21010400	20.00	EUR	NCBKTCSD0	PMBKTCSD0	PMBKTCSD0	Failed	2021-02-04 1	2021-02-04 1	ED0112	Not valid Payr

2.5.1.5 ECONS.U2A.005 - Query and export “ECONS Statement of accounts”

ID	ECONS.A2A.005
Name	Query and export “ECONS statement of accounts”

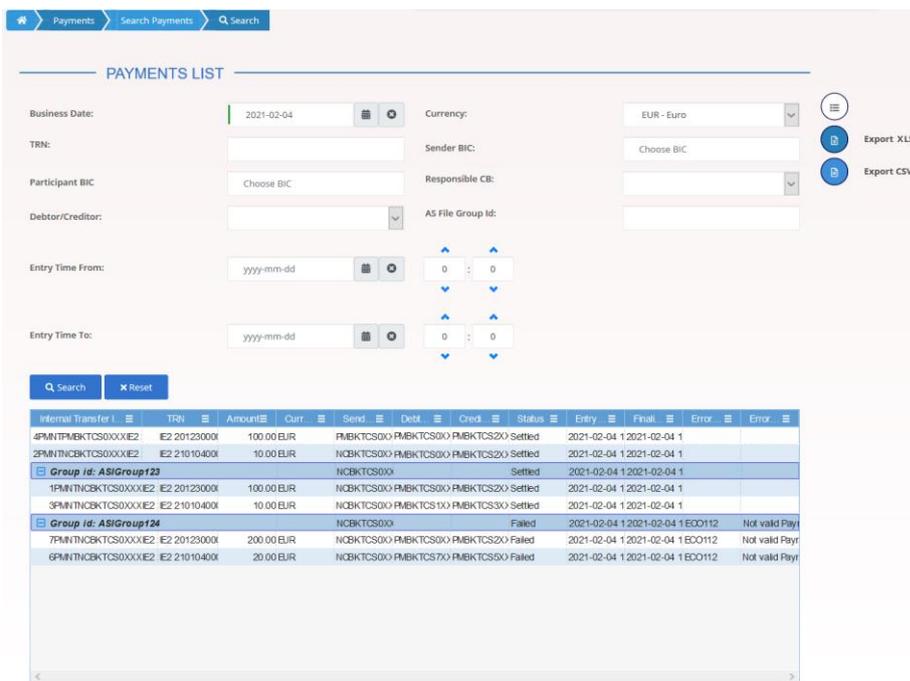
Applicable to	MCA holders (given that an ECONS account has to be opened for each MCA)
Pre-conditions	The ECONS was open and payments were settled (usually ECONS is open for testing on Thursdays, between 09h00 and 12:00 CET) User should have been granted the role AH ECONS 2 Reader
Test Evidence	Printscreen of the result of the query (payment list screen) Printscreen of the download file

Description:

ECONS does not provide a camt.053 - Statements of Accounts in A2A mode as it happens for CLM, RTGS, TIPS and T2S. Hence, to reconcile their transactions it is only possible to export a list of transactions in xls or .csv.

To export the list of transactions, the user shall:

1. Query all payments via the screen *Payments – Search/List screen: Payments >> Search Payments >> Payments – Search/List Screen* > choose the *Business Date* > press the *Search button*.
2. Once the list of payment is shown, the user shall, use the “export xls” or the “export csv” button to download the data.



2.5.1.6 ECONS.U2A.006 - Verify liquidity transfer ECONS – CLM

ID	ECONS.U2A.006
Name	Verify liquidity transfer ECONS – CLM
Applicable to	MCA holders (given that an ECONS account has to be opened for each MCA)

Pre-conditions	ECONS has been closed (usually, ECONS is open for testing on Thursdays at 09h00 CET and closes at 12:00 CET)
Test Evidence	Printscreen of the result of the list of cash transfer screen in CLM

Description:

Once ECONS session is closed, the balances on the ECONS accounts (contingency accounts) are transferred to the linked MCAs.

To verify the liquidity transfer from ECONS to CLM, once ECONS session is closed, the user shall reach the CLM screen *Cash Transfers and Messages* >> *Query Cash Transfers* and confirm that the MCA linked to the contingency account was credited by the amount corresponding to the contingency account balance.

2.5.2 Application-to-Application (A2A)

There are no A2A test cases applicable for ECONS.

2.6 BDM – Business Day Management

2.6.1 User-to-Application (U2A)

2.6.1.1 BDM.U2A.001 - BDM Access

ID	BDM.U2A.001
Name	BDM access
Applicable to	All participants
Pre-conditions	User should have been granted the role AH ESMIG Access
Test Evidence	Printscreen of the BDM homepage

Description:

User should access the ESMIG landing page > select the service “T2” in the services area > Select “Business Day Management” in the component or application area > select the respective system user reference in the “system user” area > press the Submit button.

The screenshot displays the 'Services List' application interface. At the top, it says 'Services List' and 'Choose an Application and your System User Reference'. Below this, there are three main sections:

- Choose a Service:** A horizontal list of services. 'TIPS' is unselected, and 'T2' is selected with a green checkmark.
- Choose Component or Application:** A vertical list of components. 'Business Day Management' is selected with a green checkmark. Other options include CLM, CRDM, Data Warehouse, and RTGS.
- Choose a System User:** A search box with the text 'Search for user...'. Below it, the system user 'CPTB GAL TPLXXXPGU084' is selected with a green checkmark.

At the bottom left, there is a blue 'Submit' button.

Once done, the user will be redirected to BDM.

2.6.1.2 BDM.U2A.002 - Query business day

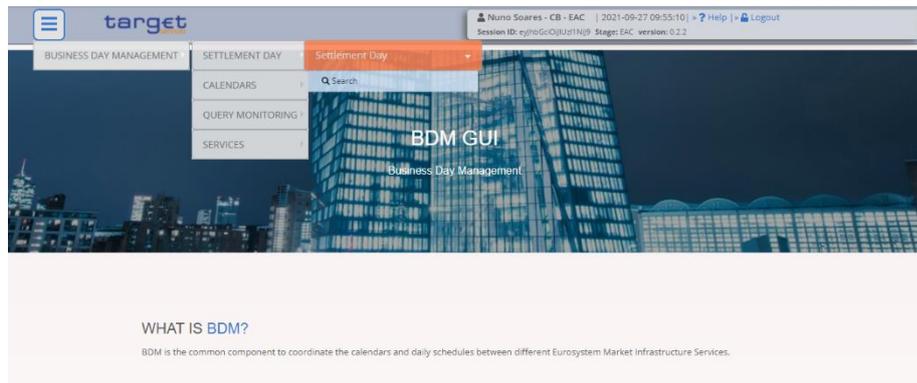
ID	BDM.U2A.002
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Name	Query business day
Applicable to	All participants
Pre-conditions	User should have been granted the role AH CRDM Reader 2E
Test Evidence	Printscreen of the query (settlement day list screen)

Description:

To query the business day, the user shall, after accessing BDM:

1. Reach the screen *Business Day Management >> Settlement Day >> Settlement Day >> Search* and select the Search option;



2. The user will be re-directed to the Settlement day event list for all the TARGET Services, where a service to which the user wants to check the business day events should be chosen and the Search button should be pressed;
3. Once done, the user should have the information for the settlement day on the chosen TARGET service.

2.6.2 Application-to-Application (A2A)

2.6.2.1 BDM.A2A.001 - Query business day

ID	BDM.A2A.001
Name	Query business day
Applicable to	All participants
Pre-conditions	A2A user should have been granted the role AH CRDM Reader 2E
Test Evidence	Copy of the sent camt.018 and the received camt.019

Description:

To query the business day information information in A2A mode, the participant shall:

1. Send a camt.018 - GetBusinessDayInformation message, indicating one of the query types available: CALE - Calendar query, DIAR - Diary query or STAT - Status of the Settlement day query.

Depending on the query type, the following information needs to be provided in the message:

- For CALE - Calendar query: the Service, the currency and the start and end date of the period to which the information shall be retrieved.
 - For DIAR - Diary query: the business date; the Service, the currency and the event code to which the information shall be retrieved.
 - For STAT - Status of the Settlement day query: the business date, which must match the current business date, and the Service to which the information shall be retrieved.
2. Receive and integrate in the internal applications a camt.019 (as a reply to camt.018), containing information on requested items or a business error.

2.6.2.2 BDM.A2A.002 - Receive business day information upon configuration

ID	BDM.A2A.002
Name	Receive business day information upon configuration
Applicable to	All participants
Pre-conditions	A2A user should have been granted the role AH CRDM Reader 2E The reception of a camt.019 has been configured, as per test case CRDM.U2A.005 - Message Configuration
Test Evidence	Copy of the received camt.019

Description:

For CLM and RTGS, the reception of a camt.019 - ReturnBusinessDayInformation can be configured. Upon this configuration, a camt.019 will be received when given events occur in CLM and RTGS. Hence, in order to receive Business Day Information when certain CLM or RTGS events occur, the participant shall:

1. Configure the reception of a camt.019, as per test case CRDM.U2A.005 - Message Configuration;
2. Once the configuration is active, it shall be checked that a camt.019, containing information on a given event, was received and correctly integrated in the internal applications.

2.7 Data Warehouse

2.7.1 User-to-Application (U2A)

2.7.1.1 DWH.U2A. 001 - Access the Data Warehouse

ID	DWH.U2A. 001
Name	Access the Data Warehouse
Applicable to	All participants
Pre-conditions	The user has been granted the role AH ESMIG Access
Test Evidence	Printscreen of the DWH homepage

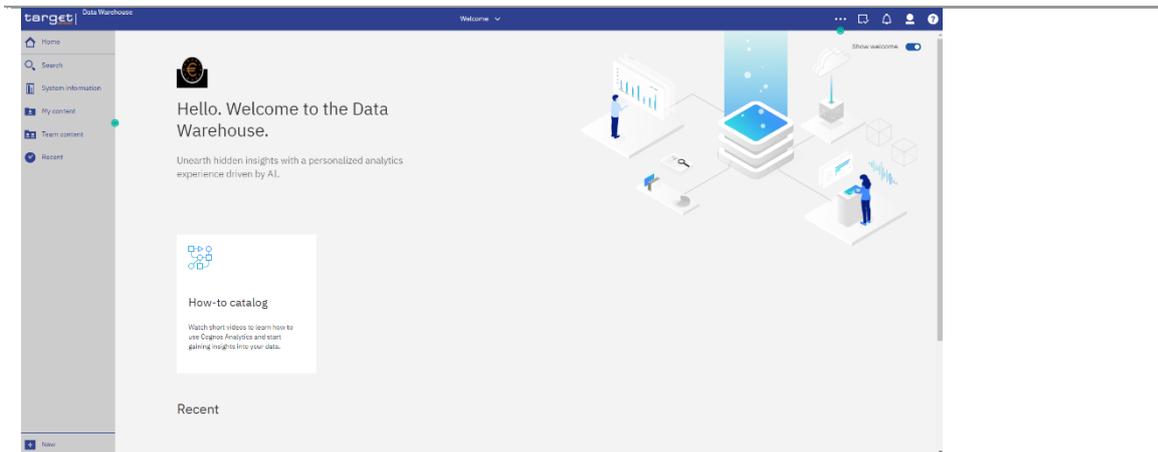
Description:

User should access the ESMIG landing page > select the service “T2” in the services area > Select “Data Warehouse” in the component or application area > select the respective system user reference in the “system user” area > press the Submit button.

The screenshot shows a web interface titled "Services List" with the subtitle "Choose an Application and your System User Reference". The interface is divided into several sections:

- Choose a Service:** A list of services where "T2" is selected with a green checkmark, and "TIPS" is unselected.
- Choose Component or Application:** A list of components where "Data Warehouse" is selected with a green checkmark, and "Business Day Management", "CLM", "CRDM", and "RTGS" are unselected.
- Choose a System User:** A search box with the text "Search for user..." and a dropdown menu showing the selected user "CPTBGALTPXXXXPGU084" with a green checkmark.
- Submit:** A blue button labeled "Submit" is located at the bottom left of the form.

Once done, the user will be redirected to the Data Warehouse.

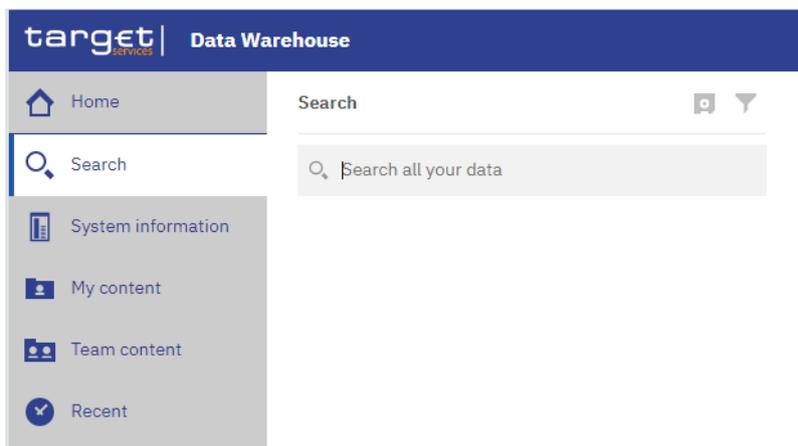


2.7.1.2 DWH.U2A. 002 - Query a Data Warehouse report

ID	DWH.U2A. 002
Name	Query a Data Warehouse report
Applicable to	All participants
Pre-conditions	The user has been granted the role AH Data Warehouse User
Test Evidence	Copy of the report received

Description:

After reaching the Data Warehouse initial screen, to query a Data Warehouse report, the user should select the “Search” tab and type the information to be searched. Afterwards, the output of the search should appear by pressing enter.



2.7.2 Application-to-Application (A2A)

2.7.2.1 DWH.A2A. 001 - Receive a Data warehouse report

ID	DWH.A2A. 001
-----------	---------------------

Name	Receive a Data warehouse report
Applicable to	All participants
Pre-conditions	The reception of a report has been previously configured
Test Evidence	Copy of the reception of a report

Description:

To receive a data warehouse report in A2A mode, the participant shall:

1. Configure the unique or periodic (e.g. daily, weekly, monthly, quarterly and yearly) reception of a report, via the DWHscheduler function. The user shall also configure the desired file type (csv, xlsx, xml), in order to allow further processing of data in other applications;
2. Confirm the reception of the report in line with the configuration done.

Hint: for the interaction with the DWH in A2A mode, no requests and answers with xml messages are foreseen. Instead of that, participants can schedule the reception of a file with the report. The report is embedded within an xml envelope as BLOB (binary large object) using CDATA. This envelope contains the additional fields that enables report receivers to correctly route the report within their system, as well as the content of the report in the file type selected in the scheduler: csv, xlsx, xml.

2.8 T2S - TARGET2-Securities

2.8.1 User-to-Application (U2A)

2.8.1.1 T2S.U2A. 001 - Access to T2S

ID	T2S.U2A. 001
Name	Access to T2S
Applicable to	T2S DCA holder
Pre-conditions	User should have been granted the role AH ESMIG Access 2E
Test Evidence	Printscreen of the T2S homepage

Description:

User should access the ESMIG landing page > select the service “T2S” in the services area > select “T2S GUI” in the component or application area > select the respective system user reference in the “System User” area > press the Submit button, after which the user will be redirected to T2S.

The screenshot shows the 'Services List' page with the following elements:

- Header:** 'target SERVICES' logo, 'Welcome PGU110 | 2022-07-27 18:04', and 'Stage: UTEST | Version 1.0.3 | Go Sign Client: 32 bit 64 bit'.
- Section Title:** 'Services List' with the instruction 'Choose an Application and your System User Reference'.
- Choose a Service:** A list with three options: T2 (unchecked), T2S (checked), and TIPS (unchecked).
- Choose Component or Application:** A list with five options: Data Migration Tool, Data Warehouse, Operational Reporting Tool, T2S GUI (checked), and Trouble Management System.
- Choose a System User:** A search box containing 'cb' and a list with one option: CPTBGALPTTXXXXBPGU110.
- Submit:** A blue button at the bottom left.



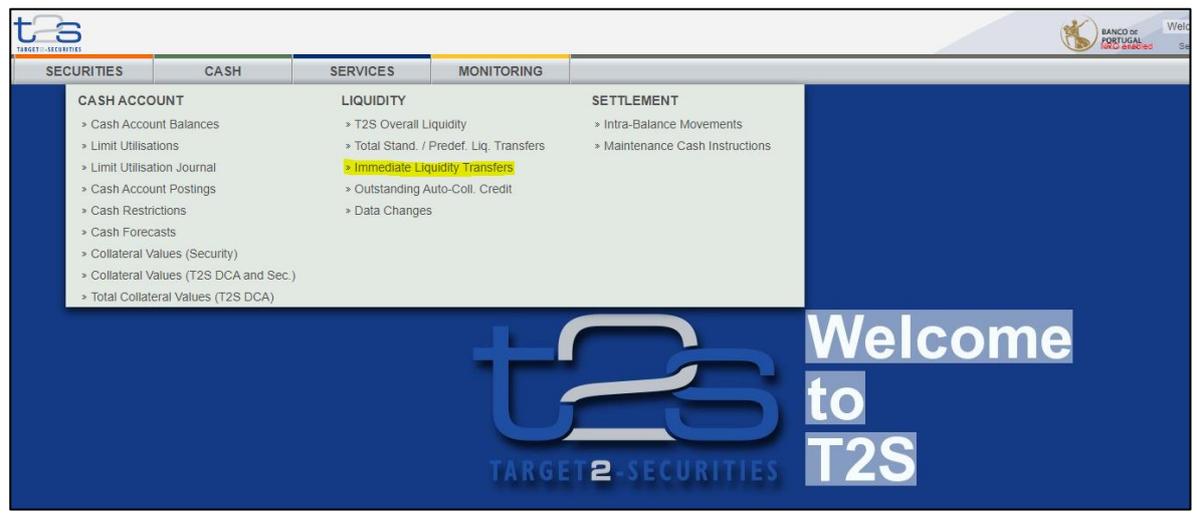
2.8.1.2 T2S.U2A.002 - Process liquidity transfer order between two T2S DCAs

ID	T2S.U2A.002
Name	Process liquidity transfer order between two T2S DCAs
Applicable to	T2S DCA holder
Pre-conditions	User should have been granted the role AH T2S Liquidity Manager 2E/4E The T2S DCAs have to belong to the same party or be linked to the same external RTGS account
Test Evidence	Printscreen of the liquidity transfer order or its instruction reference

Description:

To insert a liquidity transfer order between two T2S DCAs the user shall:

1. Select the main menu entry "Cash" and click on the sub-menu entry "Immediate Liquidity Transfers";



2. The user will be directed to the screen below, where should click on the "NEW" button (on the bottom left corner);

The screenshot shows a web application interface for 'T2S - Immediate Liquidity Transfers'. The page has a navigation bar with tabs for 'SECURITIES', 'CASH', 'SERVICES', and 'MONITORING'. The 'CASH' tab is active. The main content area is titled 'Search Criteria - Immediate Liquidity Transfers'. It contains several input fields and dropdown menus for filtering search results. The 'Party - Search Criteria' section includes 'Parent BIC' and 'Party BIC' text boxes. The 'Other Search Criteria' section includes 'T2S Dedicated Cash Account Number' (text box), 'Currency' (dropdown menu set to 'All'), 'Settlement Date and Time' (range selector with 'from' and 'to' fields), and 'External RTGS Status' (dropdown menu set to 'All'). There are also 'Credit/Debit Code' (dropdown menu), 'Value Date' (text box), and 'Sending Time' (range selector). A 'Sort by' section has radio buttons for 'T2S DCA No.', 'Party BIC', 'Currency', 'Settlement Status', 'RTGS Status', and 'Unsorted' (which is selected). At the bottom of the form are 'Search' and 'Reset' buttons. The footer of the page contains 'New', 'Details', 'Related Inbound Messages', 'Related Outbound Messages', 'Refresh', and 'Copy' buttons.

3. The user must:

- enter the DCA account number to be debited in the T2S Dedicated Cash Account Number field;
- the field Users Reference is automatically filled in, but the user can edit it and insert a reference of his own;
- enter the amount to be transferred in the Amount field;
- select the option Internal Liquidity Transfer
- enter the DCA account number to be credited in the T2S Dedicated Cash Account Number field.

After filling in all the above fields, the user should click on the Submit button.

The screenshot shows the 'New Immediate Liquidity Transfer' form in the TARGET-PT system. The form is titled 'Immediate Liquidity Transfer' and is divided into three main sections: 'Debit Cash Account', 'Liquidity Transfer', and 'Credit Cash Account'. The 'Debit Cash Account' section includes fields for 'T2S Dedicated Cash Account Number *' (CPTEURBGALPTTGXXX0001MA001), 'T2S Dedicated Cash Account Owner' (BdP - DPG), and 'Debitor BIC'. The 'Liquidity Transfer' section includes fields for 'Users Reference *' (220729174435CP) and 'Amount *' (5 EUR). The 'Credit Cash Account' section includes radio buttons for 'Outbound Liquidity Transfer' and 'Internal Liquidity Transfer' (selected), and fields for 'External Account Number', 'T2S Dedicated Cash Account Number *' (CPTEURBGALPTTGSSB0001MA001), and 'Creditor BIC'. At the bottom of the form are buttons for 'Submit', 'Cancel', and 'Reset'.

SECURITIES **CASH** **SERVICES** **MONITORING**

Cash > Liquidity > Immediate Liquidity Transfers > New Immediate Liquidity Transfer

Immediate Liquidity Transfer

Debit Cash Account

T2S Dedicated Cash Account Number *
CPTEURBGALPTTGXXX0001MA001 ±

T2S Dedicated Cash Account Owner
BdP - DPG

Debitor BIC

Liquidity Transfer

Users Reference *
220729174435CP

Amount *
5 EUR

Credit Cash Account

Outbound Liquidity Transfer Internal Liquidity Transfer

External Account Number

T2S Dedicated Cash Account Number *
CPTEURBGALPTTGSSB0001MA001 ±

Creditor BIC

Submit Cancel Reset

4. The user is redirected to the screen where he must sign the task. To do this, the user must select his certificate and then click the Sign button.

The screenshot shows the T2S user interface for signing a liquidity transfer request. The navigation bar includes 'SECURITIES', 'CASH', 'SERVICES', and 'MONITORING'. The breadcrumb trail is 'Cash > Liquidity > Immediate Liquidity Transfers > New Immediate Liquidity Transfer'.

The main content area is titled 'Go> Sign Tool' and contains the following information:

- Please sign the request with your key**
- Action: Create Immediate Liquidity Transfer
- User: Vitor Galvao - CB
- Party: BdP
- Time: 2022-07-29 17:47:30.134
- Session ID: 909ejLcQhQrWUNgJtHcQub

Below the information, there is a 'Select Signing Certificate:' dropdown menu with 'pgu110, N/A' selected and a 'Sign' button.

The 'Immediate Liquidity Transfer' section contains the following details:

- Debit Cash Account**
 - T2S Dedicated Cash Account Number *: CPTEURBGALPTTGXXX0001MA001
 - T2S Dedicated Cash Account Owner: BdP - DPG
 - Debitor BIC: ---
- Liquidity Transfer**
 - Users Reference *: 220729174435CP
 - Amount *: 5.00 EUR
- Credit Cash Account**
 - Outbound Liquidity Transfer Internal Liquidity Transfer
 - External Account Number: ---
 - T2S Dedicated Cash Account Number *: CPTEURBGALPTTGSSB0001MA001
 - Creditor BIC: ---

If the user is working in four eyes mode, a second user needs to go to Services » Data Changes and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details of the transaction. After validating that the data is correct, the user must click Approve.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

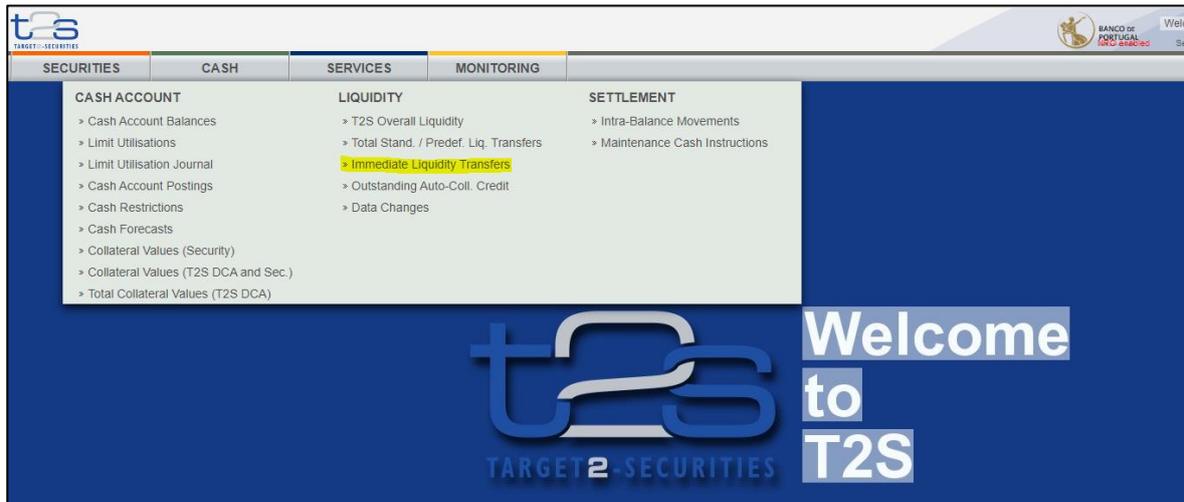
2.8.1.3 T2S.U2A.003 - Process liquidity transfer order from T2S to CLM

ID	T2S.U2A.002
Name	Process liquidity transfer order from T2S to CLM
Applicable to	T2S DCA holder
Pre-conditions	User should have been granted the role AH T2S Liquidity Manager 2E/4E
Test Evidence	Printscreen of the liquidity transfer order or its instruction reference

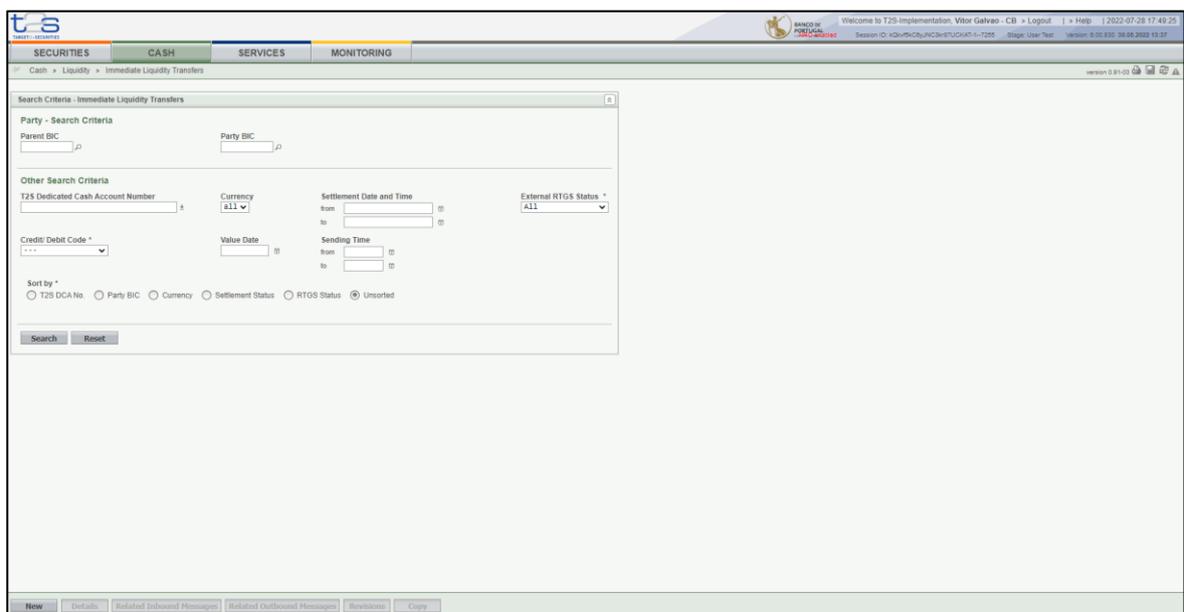
Description:

To insert a liquidity transfer from a T2S DCA to a MCA in CLM the user shall:

1. Select the main menu entry "Cash" and click on the sub-menu entry "Immediate Liquidity Transfers";



2. The user will be directed to the screen below, where should click on the "NEW" button (on the bottom left corner);



3. The user must:
 - enter the DCA account number to be debited in the T2S Dedicated Cash Account Number field;
 - the field Users Reference is automatically filled in, but the user can edit it and insert a reference of his own;
 - enter the amount to be transferred in the Amount field;
 - select the option Outbound liquidity Transfer and enter the **MCA number to be credited** in the field External Account Number.

After filling in all the above fields, the user should click on the Submit button.

The screenshot shows a web application interface for 'New Immediate Liquidity Transfer'. The top navigation bar includes 'SECURITIES', 'CASH', 'SERVICES', and 'MONITORING'. The breadcrumb trail is 'Cash > Liquidity > Immediate Liquidity Transfers > New Immediate Liquidity Transfer'. The form is titled 'Immediate Liquidity Transfer' and is divided into three main sections: 'Debit Cash Account', 'Liquidity Transfer', and 'Credit Cash Account'. The 'Debit Cash Account' section contains fields for 'T2S Dedicated Cash Account Number *' (with value 'CPTEURBGALPTTGXXX0001HA001'), 'Debit BIC', and 'T2S Dedicated Cash Account Owner' (with value 'BdP - DPG'). The 'Liquidity Transfer' section contains 'Users Reference *' (with value '220729173354CP') and 'Amount *' (with value '2' and unit 'EUR'). The 'Credit Cash Account' section has radio buttons for 'Outbound Liquidity Transfer' (selected) and 'Internal Liquidity Transfer'. It also includes fields for 'External Account Number *' (with value 'MPTEURBGALPTTGSSB0001001'), 'Creditor BIC', and 'T2S Dedicated Cash Account Number'. At the bottom, there are 'Submit', 'Cancel', and 'Reset' buttons.

Immediate Liquidity Transfer

Debit Cash Account

T2S Dedicated Cash Account Number *
CPTEURBGALPTTGXXX0001HA001

T2S Dedicated Cash Account Owner
BdP - DPG

Debit BIC

Liquidity Transfer

Users Reference *
220729173354CP

Amount *
2 EUR

Credit Cash Account

Outbound Liquidity Transfer Internal Liquidity Transfer

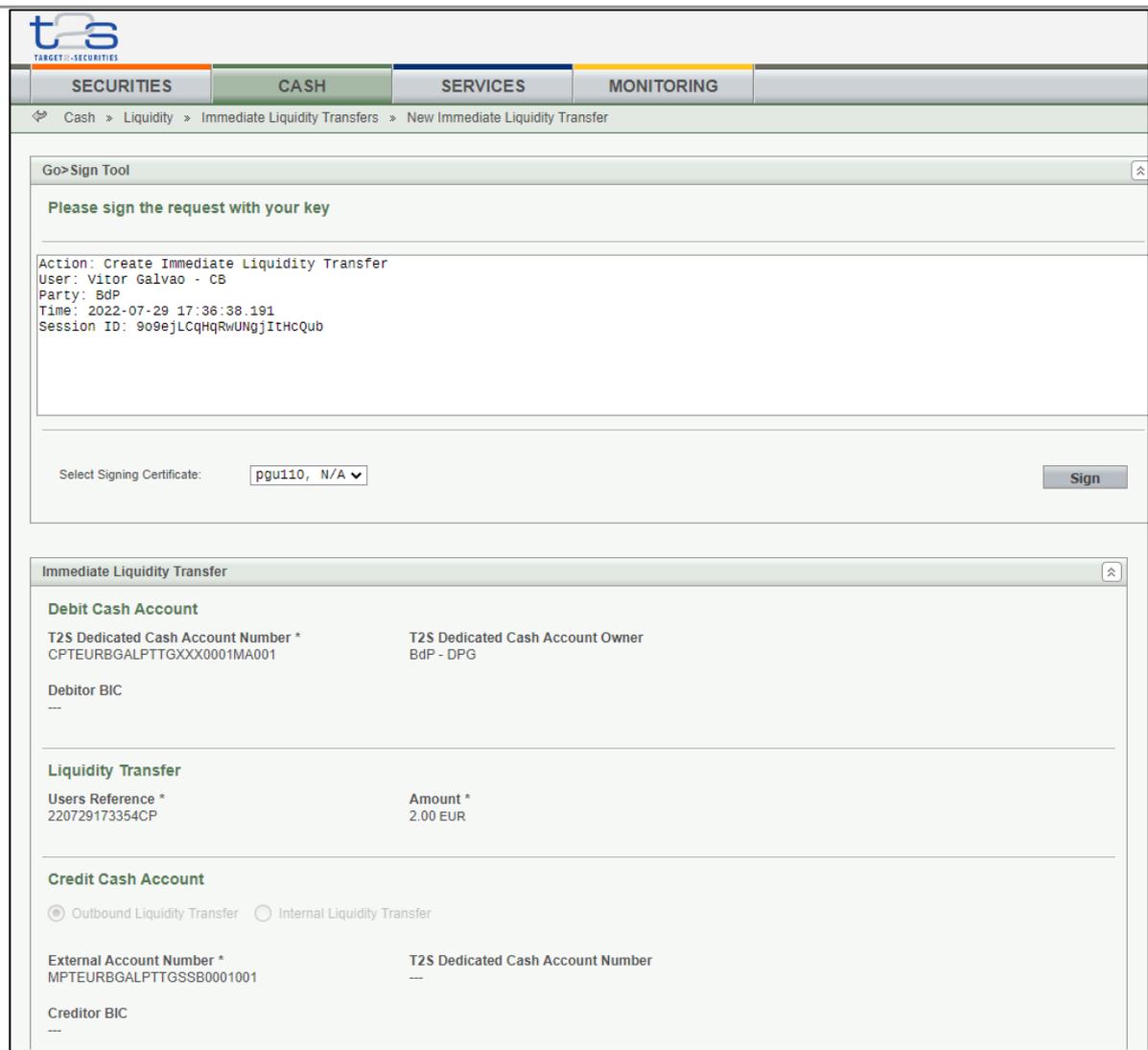
External Account Number *
MPTEURBGALPTTGSSB0001001

T2S Dedicated Cash Account Number

Creditor BIC

Submit Cancel Reset

4. The user is redirected to the screen where he must sign the task. To do this, the user must select his certificate and then click the Sign button.



If the user is working in four eyes mode, a second user needs to go to Services » Data Changes and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details of the transaction. After validating that the data is correct, the user must click Approve.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

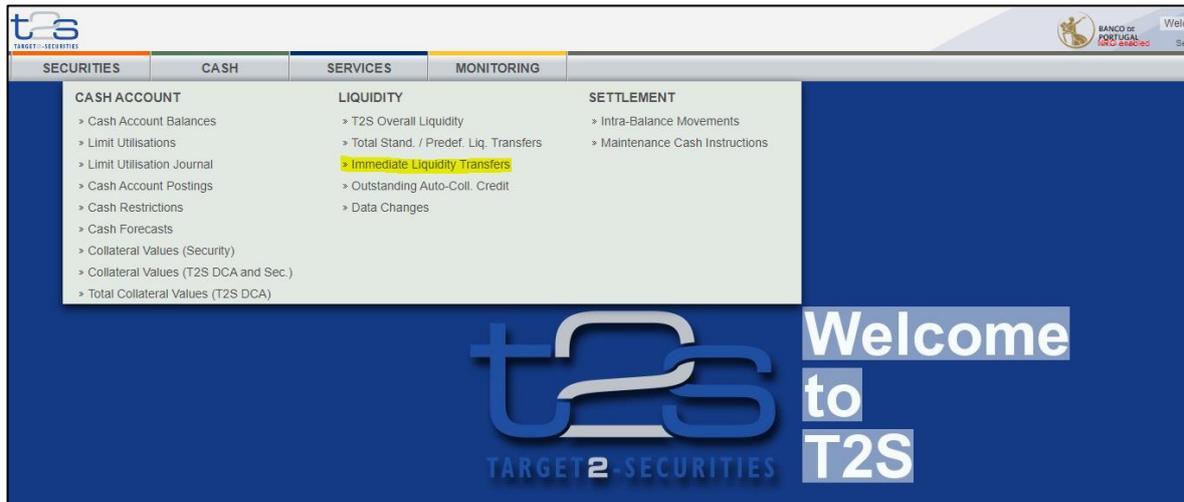
2.8.1.4 T2S.U2A.004 - Process liquidity transfer order order from T2S to RTGS

ID	T2S.U2A.004
Name	Process liquidity transfer order from T2S to RTGS
Applicable to	T2S DCA holder
Pre-conditions	User should have been granted the role AH T2S Liquidity Manager 2E/4E
Test Evidence	Printscreen of the liquidity transfer order or its instruction reference

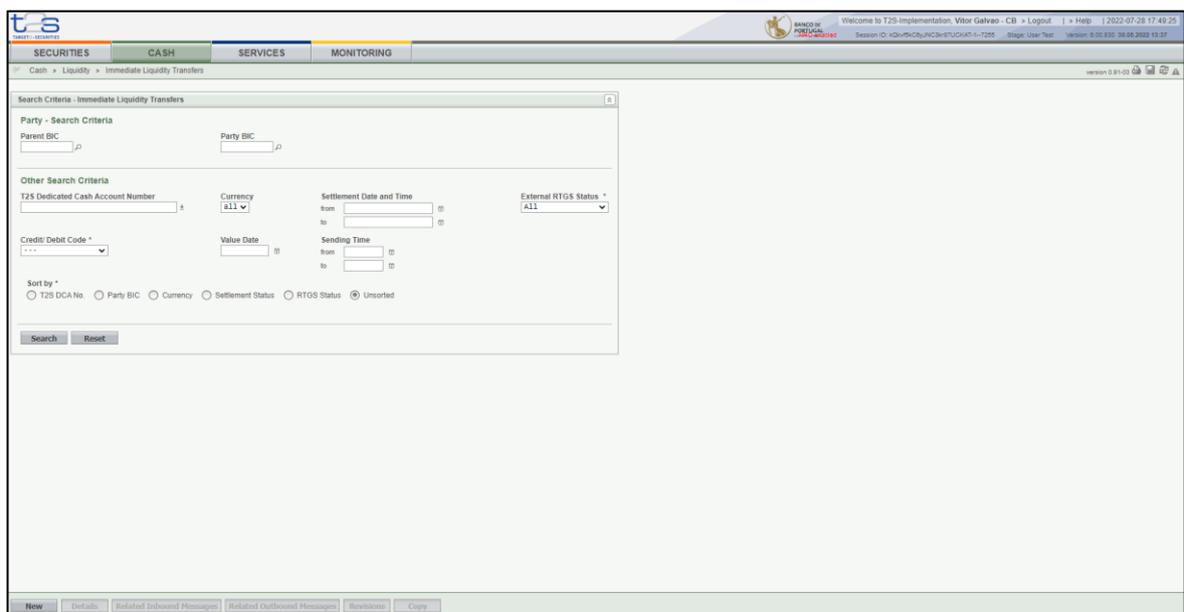
Description:

To insert a liquidity transfer from a T2S DCA to a RTGS DCA the user shall:

1. Select the main menu entry "Cash" and click on the sub-menu entry "Immediate Liquidity Transfers";



2. The user will be directed to the screen below, where should click on the "NEW" button (on the bottom left corner);



3. The user must:
 - enter the DCA account number to be debited in the T2S Dedicated Cash Account Number field;
 - the field Users Reference is automatically filled in, but the user can edit it and insert a reference of his own;
 - enter the amount to be transferred in the Amount field;
 - select the option Outbound liquidity Transfer and enter the **RTGS DCA number to be credited** in the field External Account Number.

After filling in all the above fields, the user should click on the Submit button.

The screenshot shows the 'New Immediate Liquidity Transfer' form in the TARGET-PT system. The form is titled 'Immediate Liquidity Transfer' and is divided into three main sections: 'Debit Cash Account', 'Liquidity Transfer', and 'Credit Cash Account'. The 'Debit Cash Account' section includes fields for 'T2S Dedicated Cash Account Number *' (CPTEURBGALPTTGXXX0001MA001), 'T2S Dedicated Cash Account Owner' (BdP - DPG), and 'Debitor BIC' (BGALPTTGXXX). The 'Liquidity Transfer' section includes fields for 'Users Reference *' (220728180133CP) and 'Amount *' (1.00 EUR). The 'Credit Cash Account' section includes radio buttons for 'Outbound Liquidity Transfer' (selected) and 'Internal Liquidity Transfer', and fields for 'External Account Number *' (RPTEURBGALPTTGXXX0001001XXX), 'T2S Dedicated Cash Account Number', and 'Creditor BIC' (BGALPTTGXXX). At the bottom of the form are 'Submit', 'Cancel', and 'Reset' buttons.

Immediate Liquidity Transfer

Debit Cash Account

T2S Dedicated Cash Account Number *
CPTEURBGALPTTGXXX0001MA001

T2S Dedicated Cash Account Owner
BdP - DPG

Debitor BIC
BGALPTTGXXX

Liquidity Transfer

Users Reference *
220728180133CP

Amount *
1.00 EUR

Credit Cash Account

Outbound Liquidity Transfer Internal Liquidity Transfer

External Account Number *
RPTEURBGALPTTGXXX0001001XXX

T2S Dedicated Cash Account Number

Creditor BIC
BGALPTTGXXX

Submit Cancel Reset

4. The user is redirected to the screen where he must sign the task. To do this, the user must select his certificate and then click the Sign button.

If the user is working in four eyes mode, a second user needs to go to Services » Data Changes and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details of the transaction. After validating that the data is correct, the user must click Approve.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

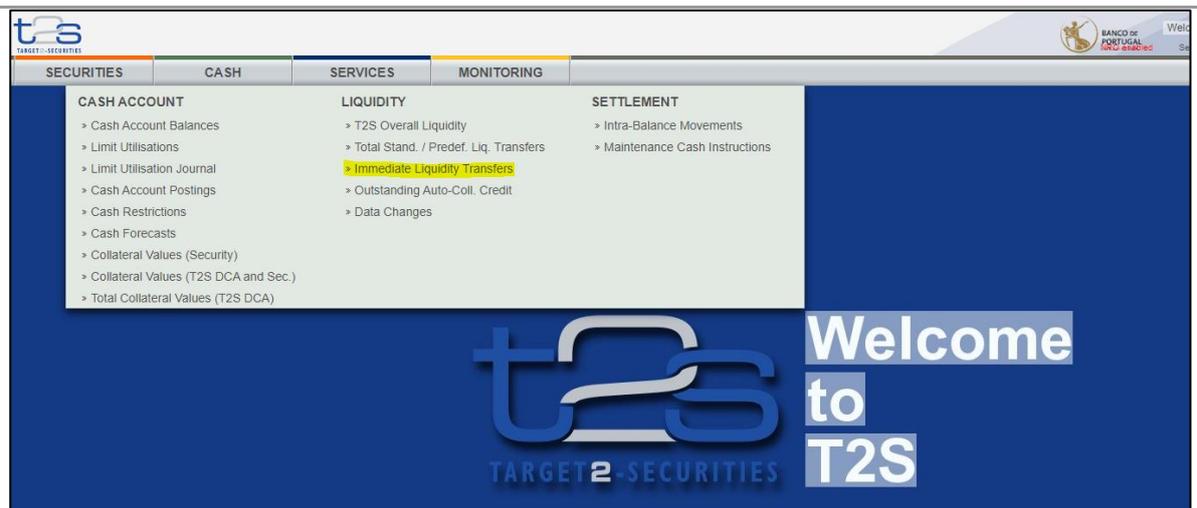
2.8.1.5 T2S.U2A.005 - Process liquidity transfer order from T2S to TIPS

ID	T2S.U2A.005
Name	Process liquidity transfer order from T2S to TIPS
Applicable to	T2S DCA holder
Pre-conditions	User should have been granted the role AH T2S Liquidity Manager 2E/4E
Test Evidence	Printscreen of the liquidity transfer order or its instruction reference

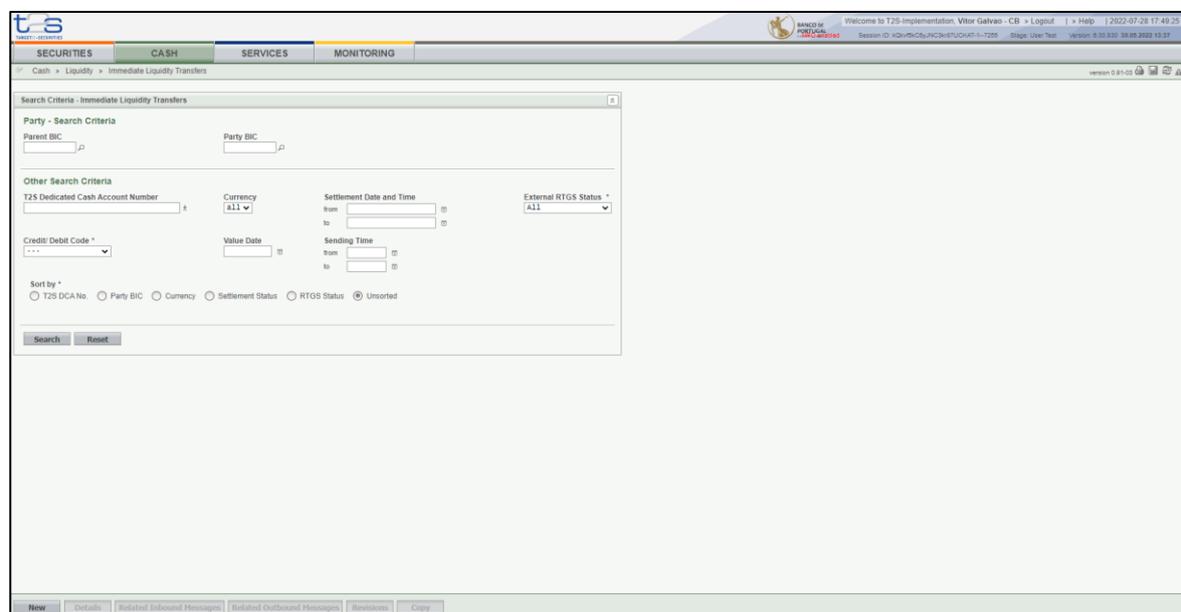
Description:

To insert a liquidity transfer from a T2S DCA to a TIPS DCA the user shall:

1. Select the main menu entry “Cash” and click on the sub-menu entry “Immediate Liquidity Transfers”;



2. The user will be directed to the screen below, where should click on the "NEW" button (on the bottom left corner);



3. The user must:
- enter the DCA account number to be debited in the T2S Dedicated Cash Account Number field;
 - the field Users Reference is automatically filled in, but the user can edit it and insert a reference of his own;
 - enter the amount to be transferred in the Amount field;
 - select the option Outbound liquidity Transfer and enter the **TIPS DCA number to be credited** in the field External Account Number.

After filling in all the above fields, the user should click on the Submit button.

The screenshot shows the 'New Immediate Liquidity Transfer' form in the T2S system. The form is titled 'Immediate Liquidity Transfer' and is divided into three main sections: 'Debit Cash Account', 'Liquidity Transfer', and 'Credit Cash Account'. The 'Debit Cash Account' section includes fields for 'T2S Dedicated Cash Account Number *' (CPTEURBGALPTTGXXX0001HA001), 'T2S Dedicated Cash Account Owner' (BdP - DPG), and 'Debitor BIC'. The 'Liquidity Transfer' section includes 'Users Reference *' (220729173354CP) and 'Amount *' (2 EUR). The 'Credit Cash Account' section includes radio buttons for 'Outbound Liquidity Transfer' (selected) and 'Internal Liquidity Transfer', and fields for 'External Account Number *' (MPTEURBGALPTTGSSB0001001) and 'T2S Dedicated Cash Account Number'. At the bottom of the form are 'Submit', 'Cancel', and 'Reset' buttons.

Debit Cash Account

T2S Dedicated Cash Account Number *
CPTEURBGALPTTGXXX0001HA001 ±

T2S Dedicated Cash Account Owner
BdP - DPG

Debitor BIC

Liquidity Transfer

Users Reference *
220729173354CP

Amount *
2 EUR

Credit Cash Account

Outbound Liquidity Transfer Internal Liquidity Transfer

External Account Number *
MPTEURBGALPTTGSSB0001001 ±

T2S Dedicated Cash Account Number

Creditor BIC

Submit Cancel Reset

4. The user is redirected to the screen where he must sign the task. To do this, the user must select his certificate and then click the Sign button.

If the user is working in four eyes mode, a second user needs to go to Services » Data Changes and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details of the transaction. After validating that the data is correct, the user must click Approve.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

2.8.2 Application-to-Application (A2A)

2.8.2.1 T2S.A2A.001 - Process liquidity transfer order between two T2S DCAs

ID	T2S.A2A.001
Name	Process liquidity transfer order between two T2S DCAs
Applicable to	T2S DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH T2S Liquidity Manager 2E/4E

	The T2S DCAs have to belong to the same party or be linked to the same external RTGS account
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a T2S DCA to another T2S DCA in A2A mode:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the T2S DCA to be debited and tag Credit Account >> Account number is filled in with number of the T2S DCA to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the T2S DCA holder.

2.8.2.2 T2S.A2A.002 - Process liquidity transfer order from T2S to CLM

ID	T2S.A2A.002
Name	Process liquidity transfer order from T2S to CLM
Applicable to	T2S DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH T2S Liquidity Manager 2E/4E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from T2S to CLM in A2A mode:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the T2S DCA to be debited and tag Credit Account >> Account number is filled in with number of the CLM account to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the T2S DCA holder.

2.8.2.3 T2S.A2A.003 - Process liquidity transfer order from T2S to RTGS

ID	T2S.A2A.003
Name	Process liquidity transfer order from T2S to RTGS
Applicable to	T2S DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH T2S Liquidity Manager 2E/4E

Test Evidence	Copy of the sent camt.050 and the received camt.025
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Description:

The following steps are required to process a liquidity transfer from T2S to RTGS in A2A mode:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the T2S DCA to be debited and tag Credit Account >> Account number is filled in with number of the RTGS DCA account to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the T2S DCA holder.

2.8.2.4 T2S.A2A.004 - Process liquidity transfer order from T2S to TIPS

ID	T2S.A2A.004
Name	Process liquidity transfer order from T2S to TIPS
Applicable to	T2S DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH T2S Liquidity Manager 2E/4E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from T2S to TIPS in A2A mode:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the T2S DCA to be debited and tag Credit Account >> Account number is filled in with number of the TIPS DCA account to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the T2S DCA holder.

2.8.2.5 T2S.A2A.005 - Receive camt.054 debit notification

ID	T2S.A2A.005
Name	Receive camt.054 debit notification
Applicable to	T2S DCA holders with A2A connection
Pre-conditions	T2S DCA holder has subscribed the reception of camt.054 for the T2S DCA
Test Evidence	Copy of the received camt.054

Description:

To test the reception of a debit notification via camt.054 the participant shall:

1. Ensure that there is a debit in the T2S DCA (due to the settlement of a securities transaction or due to a liquidity transfer to other account);
2. Verify the correct reception of the camt.054 – debit notification for the T2S DCA and verify that it was correctly integrated in the internal applications.

2.8.2.6 T2S.A2A.006 - Receive camt.054 credit notification

ID	T2S.A2A.006
Name	Receive camt.054 credit notification
Applicable to	T2S DCA holders with A2A connection
Pre-conditions	T2S DCA holder has subscribed the reception of camt.054 for the T2S DCA
Test Evidence	Copy of the received camt.054

Description:

To test the reception of a credit notification via camt.054 the participant shall:

1. Ensure that there is a credit in the T2S DCA (due to the settlement of a securities transaction or due to a liquidity transfer from other account);
2. Verify the correct reception of the camt.054 – Credit notification for the T2S DCA and confirm that it was correctly integrated in the internal applications.

2.8.2.7 T2S.A2A.007 - Process T2S Statement of Accounts

ID	T2S.A2A.007
Name	Process T2S Statement of Accounts
Applicable to	T2S DCA holders with A2A connection
Pre-conditions	T2S DCA holder has subscribed the reception of camt.053 for the T2S DCA
Test Evidence	Copy of the received camt.053

Description:

To test the processing of a camt.053 - T2S Statement of Accounts the participant shall verify the correct reception of the camt.053 and confirm that it was correctly integrated in the internal applications.

2.9 TIPS - TARGET Instant Payments Settlement

2.9.1 User-to-Application (U2A)

2.9.1.1 TIPS.U2A.001 - Access to TIPS

ID	TIPS.U2A. 001
Name	Access to TIPS
Applicable to	TIPS DCA holder
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Party Query <p>The User-DN link must have the flag “Main User”</p>
Test Evidence	Printscreen of the TIPS homepage

Description:

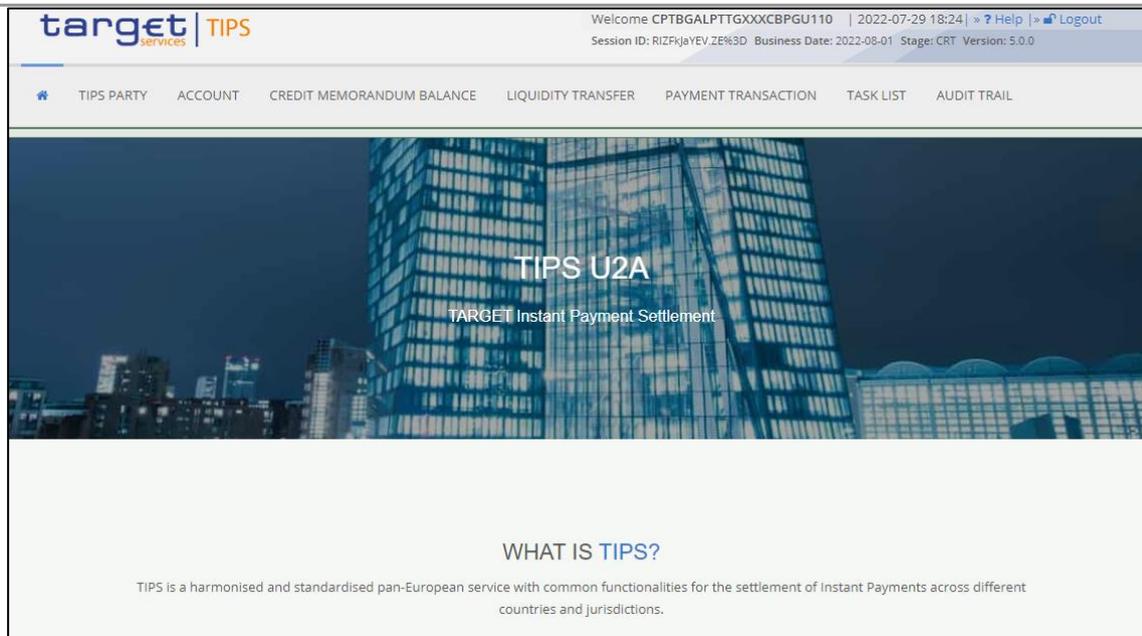
User should access the ESMIG landing page > select the service “TIPS” in the services area > select “TIPS” in the component or application area > select the respective system user reference in the “System User” area > press the Submit button, after which the user will be redirected to TIPS.

The screenshot shows the 'Services List' page in the TARGET ESMIG system. The page header includes the TARGET logo and user information: 'Welcome PGU110 | 2022-07-29 18:21', 'Stage: UTEST | Version: 1.0.3 | Go Sign Client: 32 bit 64 bit'. The main heading is 'Services List' with the instruction 'Choose an Application and your System User Reference'.

The page is divided into three main sections:

- Choose a Service:** A list of services with checkboxes. 'T2' and 'T25' are unchecked, while 'TIPS' is checked.
- Choose Component or Application:** A list of components with checkboxes. 'Billing', 'CRDM', 'Data Migration Tool', and 'Trouble Management System' are unchecked, while 'TIPS' is checked.
- Choose a System User:** A search bar with the text 'Search for user...' and a list of system users. The user 'CPTBGALPTTGXXXCBPGU110' is selected with a checkmark. Other users listed include 'CPTBGALPTTGIPBPGU110', 'IPTBGALPTT0IPSPGU110', 'IPTBGALPTT0TIPRPGU110', and 'IPTBGALPTTGIPSPGU110'.

A 'Submit' button is located at the bottom left of the form.



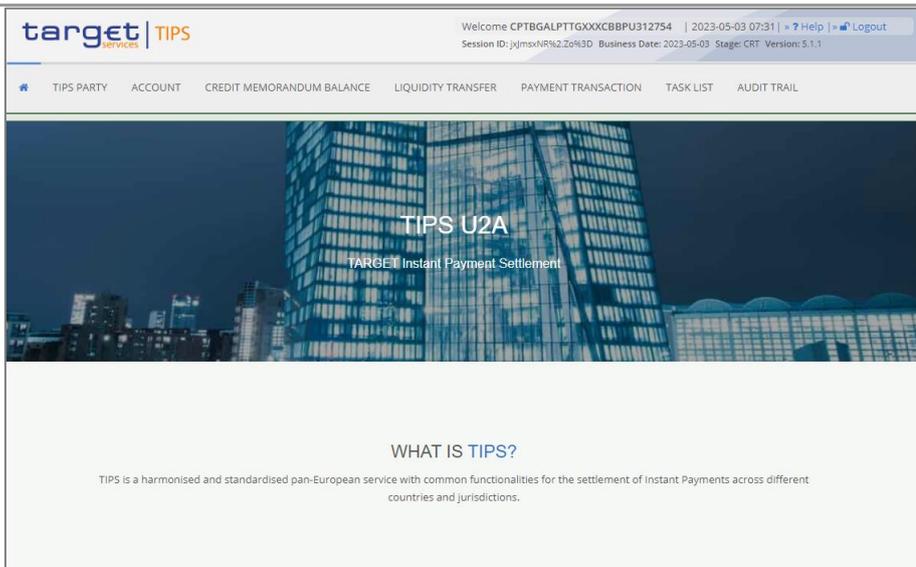
2.9.1.2 TIPS.U2A.002 – Query available liquidity

ID	TIPS.U2A.002
Name	Query available liquidity
Applicable to	TIPS DCA holder
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Party Query <p>The User-DN link must have the flag “Main User”.</p>
Test Evidence	Printscreen of the query with available liquidity (account list screen)

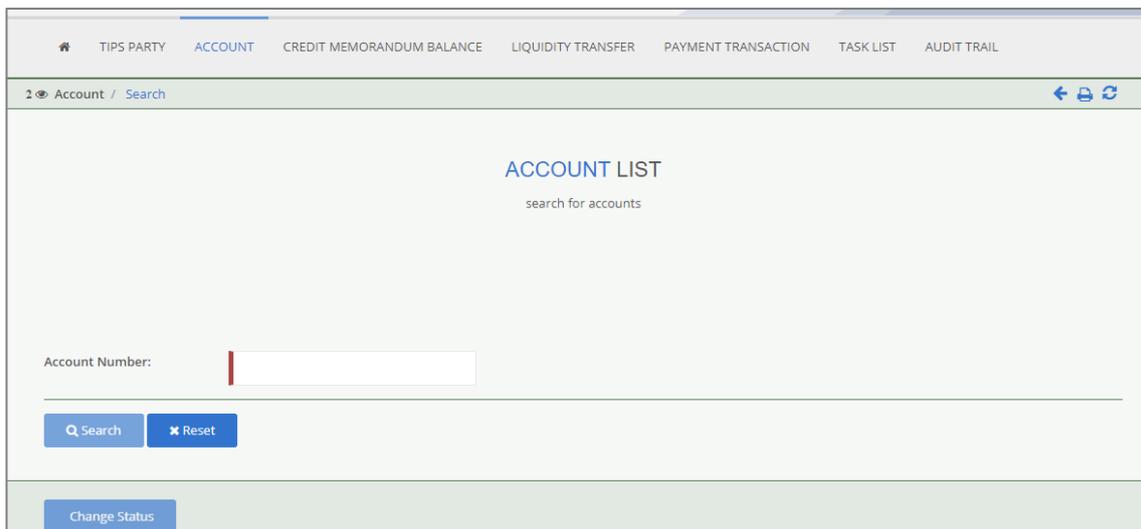
Description:

To query the available liquidity on a TIPS DCA, the user shall:

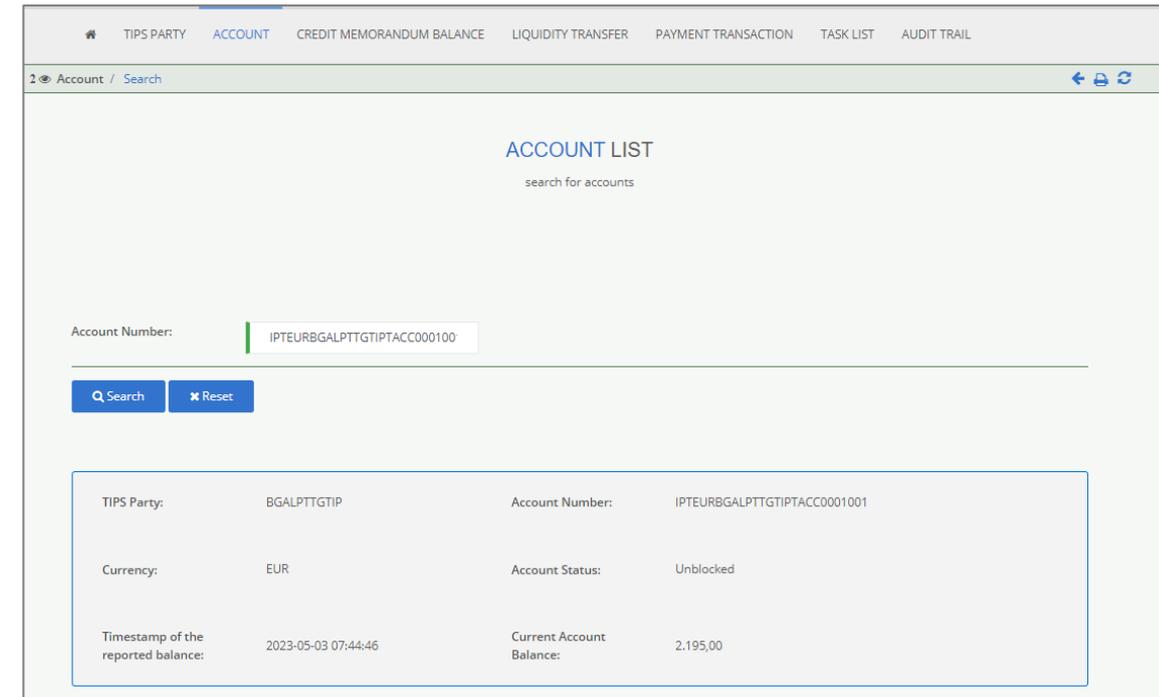
1. Press the main menu entry “Account”;



2. The user will be directed to the screen below, where should fill the “Account Number” field with the respective account number;



3. It should be possible to assess the available liquidity (for the timestamp reported in the GUI), and also the account status (unblocked is the usual status).



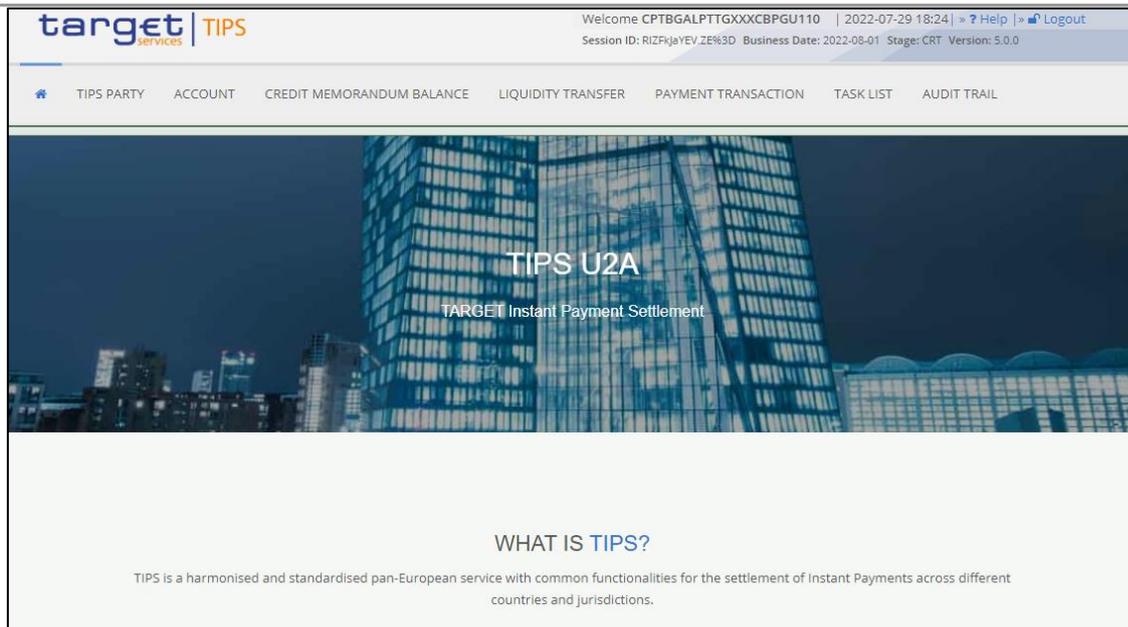
2.9.1.3 TIPS.U2A.003 - Process liquidity transfer order between a TIPS DCA and an ASTA

ID	TIPS.U2A. 003
Name	Process liquidity transfer order between a TIPS DCA and an Ancillary System Technical Account (ASTA)
Applicable to	TIPS DCA holder participant in Instant Transfers subsystem of SICOI (SICOI-IPS)
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Party Query • AH TIPS Liquidity Manager The User-DN link must have the flag "Main User"
Test Evidence	Printscreen of the liquidity transfer order or its instruction reference

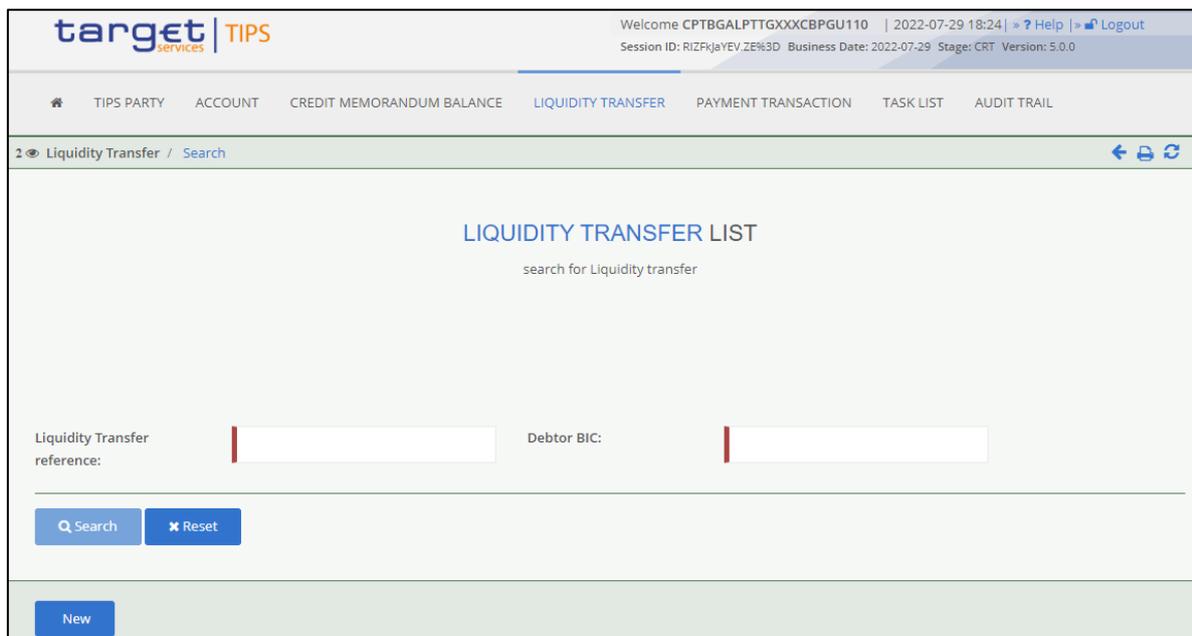
Description:

To process a liquidity transfer order between two TIPS DCAs, the user shall:

1. Press the main menu entry "Liquidity Transfer";



2. The user will be directed to the screen below, where should click on the "NEW" button;



3. The user must:

- Insert the Debtor BIC of the TIPS DCA to be debited in the Debtor BIC field;
- Insert the TIPS DCA to debit in the Debtor Account field;
- Insert the Credit BIC (registered in the Ancillary System) to be credited in the Creditor BIC field. In case of SICOI-IPS is 'BGALPTGIPS';
- Insert the TIPS ASTA to be credited in the Creditor Account field. In case of SICOI-IPS is 'IPTEURBGALPTTGIPSTAST0001001';
- Insert the amount to transfer;
- Select the option EUR in the Currency field;

- Insert a reference in the Instruction Reference field;
- Insert a reference in the End to end reference field.

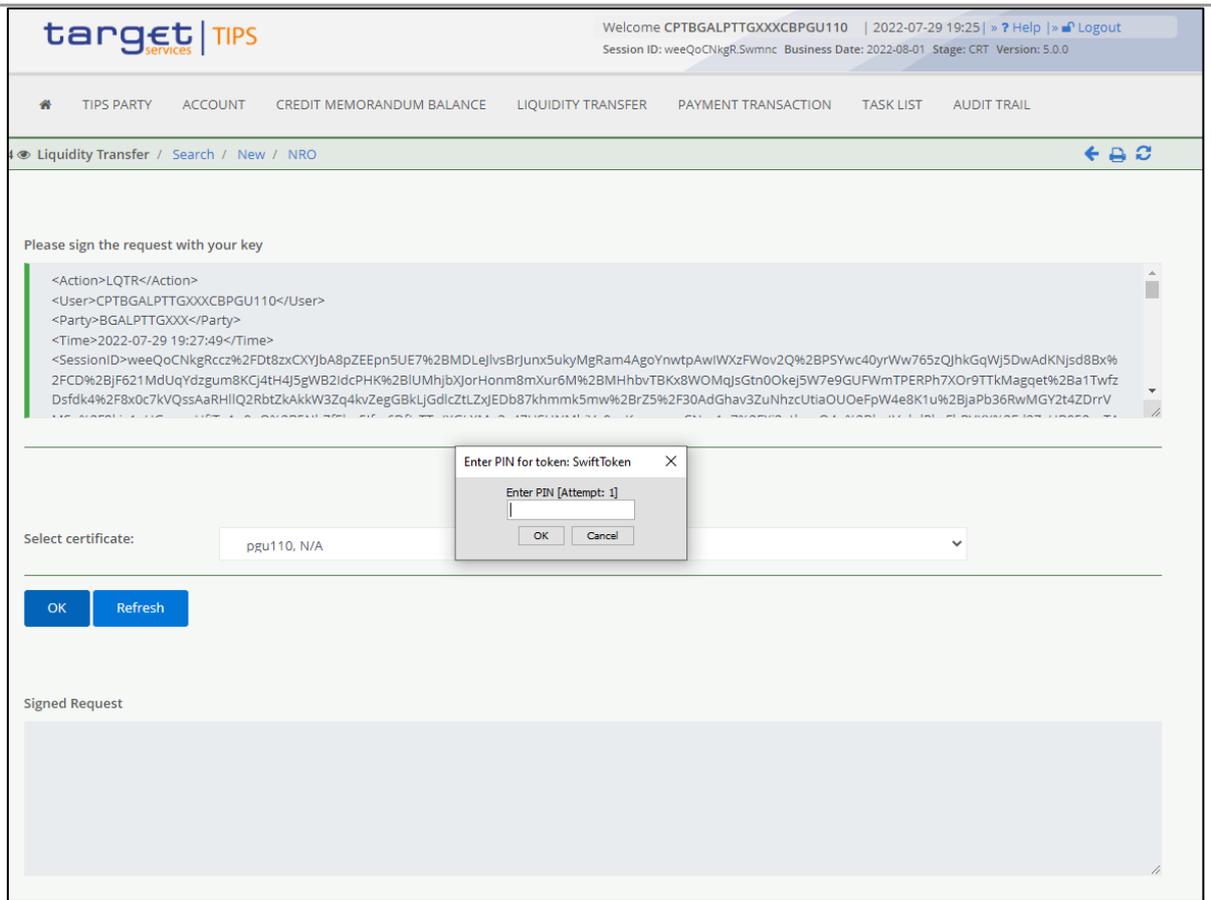
After filling in all the fields, press the Submit button.

The screenshot shows the 'LIQUIDITY TRANSFER' form in the TARGET-PT system. The form is titled 'LIQUIDITY TRANSFER' and contains the following fields:

Debtor BIC:	<input type="text"/>	Debtor Account:	<input type="text"/>
Creditor BIC:	<input type="text"/>	Creditor Account:	<input type="text"/>
Amount:	<input type="text"/>	Currency:	<input type="text"/>
Instruction reference:	<input type="text"/>	End to end reference:	<input type="text"/>

At the bottom of the form, there are three buttons: '+ Submit', 'x Reset', and 'x Cancel'.

4. The user is redirected to the screen where he must sign the task. To do this, the user must press the Sign button and after that press the OK button. A pop-up window will appear where the user must insert his password and then press the Submit button;



If the user is working in four eyes mode, a second user needs to go to the main menu Task List and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details of the transaction. After validating that the data is correct, the user must press the Approve button.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

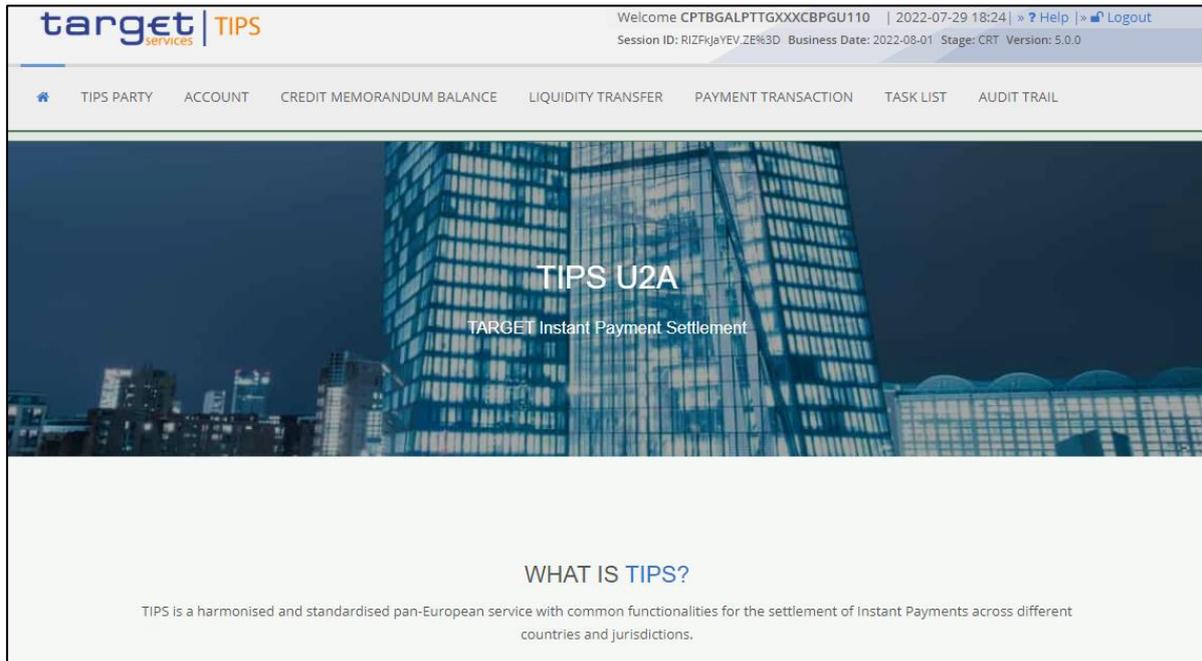
2.9.1.4 TIPS.U2A.004 - Process liquidity transfer order TIPS to CLM

ID	TIPS.U2A. 004
Name	Process liquidity transfer order from TIPS to CLM
Applicable to	TIPS DCA holder
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Party Query • AH TIPS Liquidity Manager <p>The User-DN link must have the flag "Main User".</p>
Test Evidence	Printscreen of the liquidity transfer order or its instruction reference

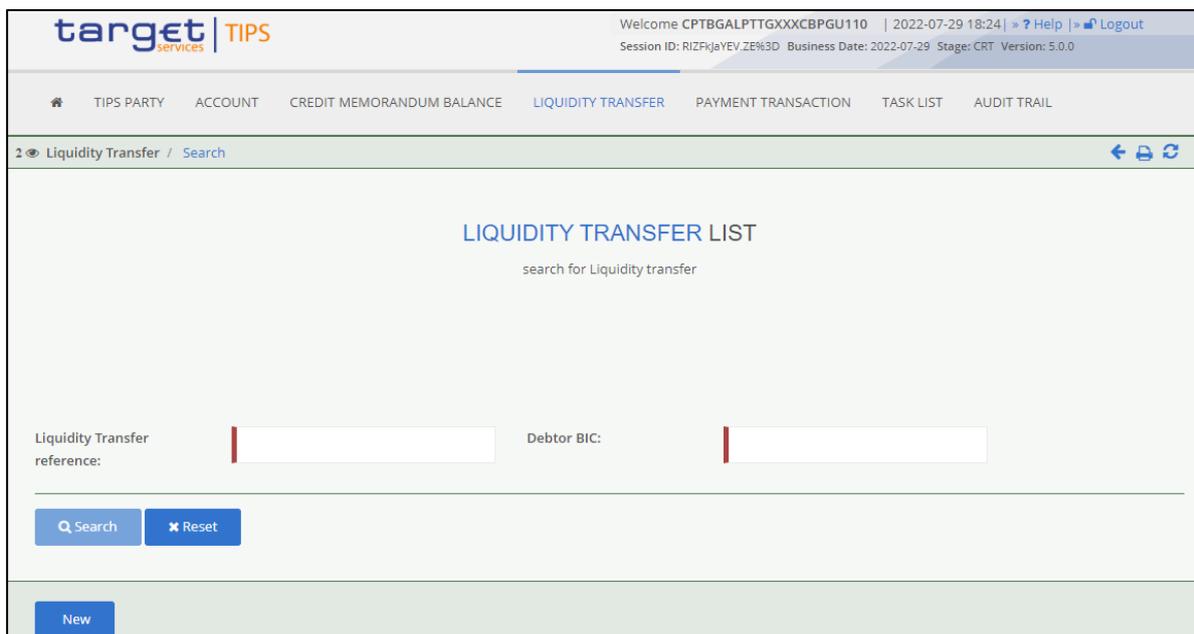
Description:

To process a liquidity transfer order from a TIPS DCA to a MCA in CLM, the user shall:

1. Press the main menu entry "Liquidity Transfer";



2. The user will be directed to the screen below, where should click on the "NEW" button;



3. The user must:

- Insert the Debtor BIC of the TIPS DCA to be debited in the Debtor BIC field;
- Insert the number of TIPS DCA to be debited in the Debtor Account field;
- Insert the Credit BIC of the CLM account to be credited in the Creditor BIC field;
- Insert the CLM account to be credited in the Creditor Account field;
- Insert the amount to transfer;

- Select the option EUR in the Currency field;
- Insert a reference in the Instruction Reference field;
- Insert a reference in the End to end reference field.

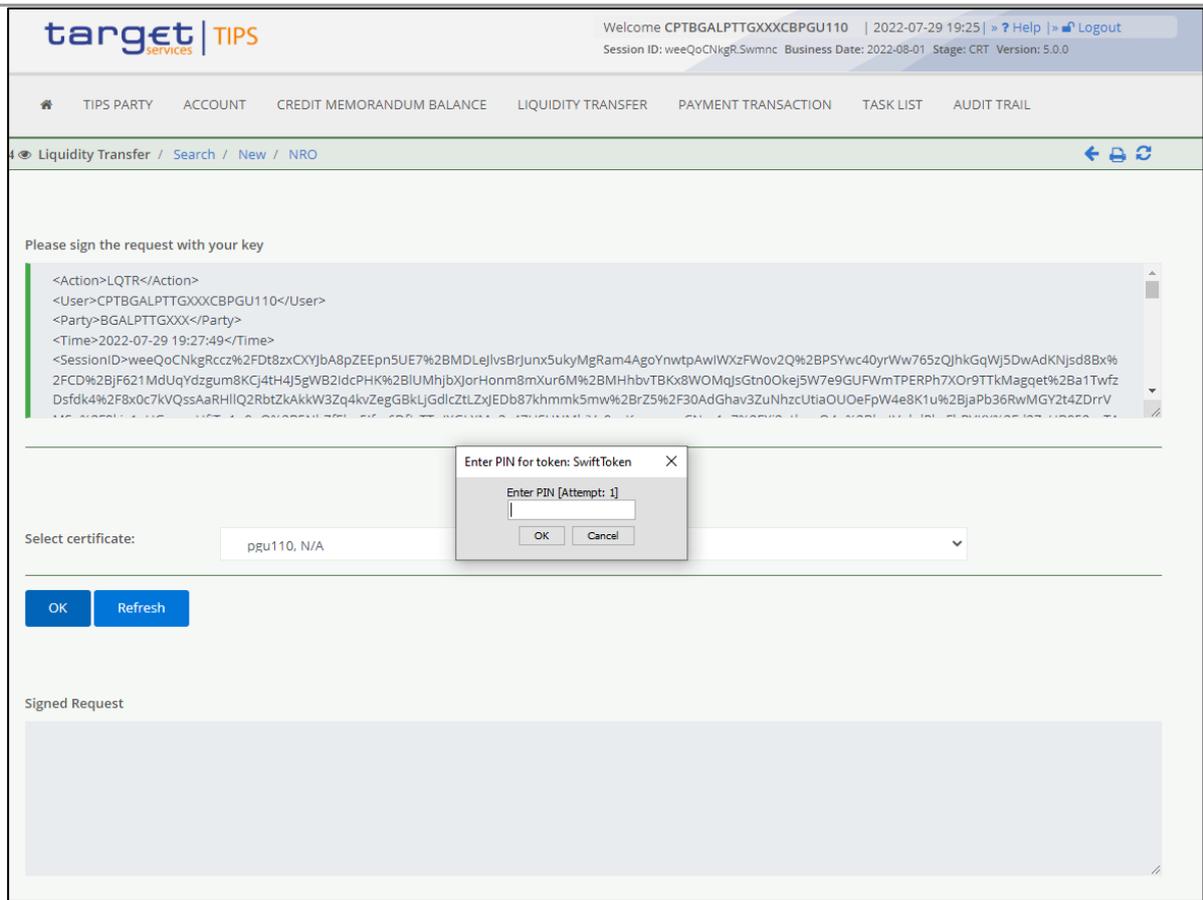
After filling in all the fields, press the Submit button.

The screenshot displays the TARGET TIPS web application interface. At the top, the logo 'target services | TIPS' is visible on the left, and the user's session information 'Welcome CPTBGALPTTGXXXCBPGU110 | 2022-08-01 09:29 | » ? Help | » Logout' is on the right. Below the header, a navigation menu includes 'TIPS PARTY', 'ACCOUNT', 'CREDIT MEMORANDUM BALANCE', 'LIQUIDITY TRANSFER', 'PAYMENT TRANSACTION', 'TASK LIST', and 'AUDIT TRAIL'. The main content area is titled 'LIQUIDITY TRANSFER' and contains a form with the following fields:

Debtor BIC:	<input type="text"/>	Debtor Account:	<input type="text"/>
Creditor BIC:	<input type="text"/>	Creditor Account:	<input type="text"/>
Amount:	<input type="text"/>	Currency:	<input type="text" value="EUR"/>
Instruction reference:	<input type="text"/>	End to end reference:	<input type="text"/>

At the bottom of the form, there are three buttons: '+ Submit' (blue), 'x Reset' (blue), and 'x Cancel' (green).

4. The user is redirected to the screen where he must sign the task. To do this, the user must press the Sign button and after that press the OK button. A pop-up window will appear where the user must insert his password and then press the Submit button;



If the user is working in four eyes mode, a second user needs to go to the main menu Task List and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details of the transaction. After validating that the data is correct, the user must press the Approve button.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

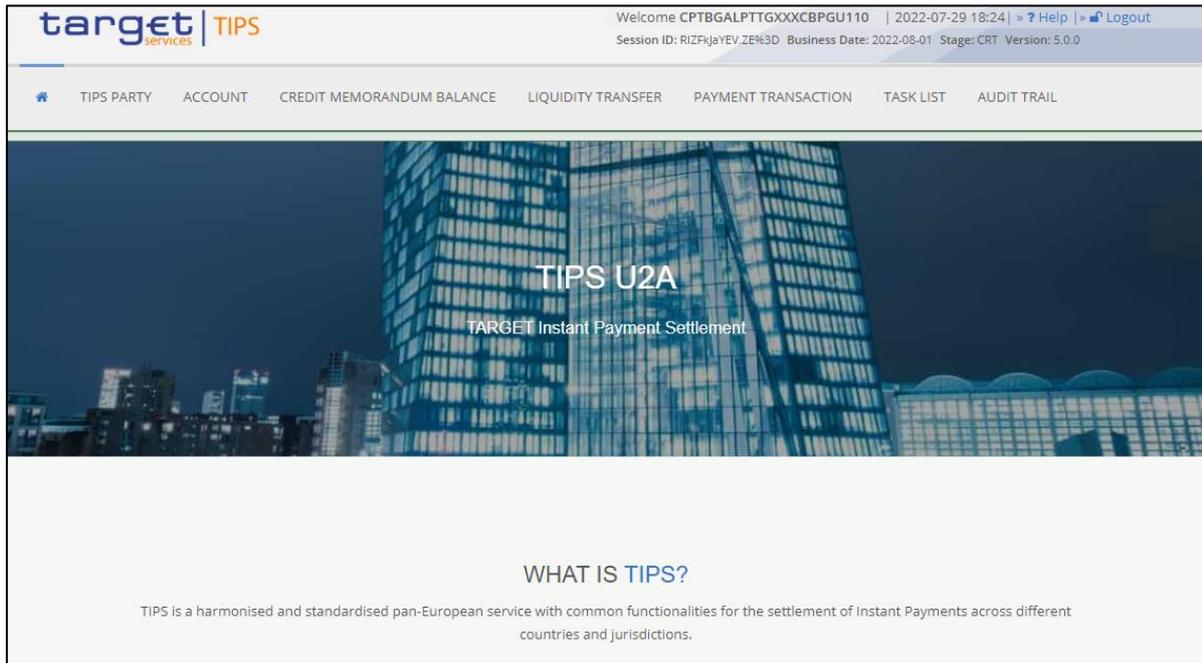
2.9.1.5 TIPS.U2A.005 - Process liquidity transfer order TIPS to RTGS

ID	TIPS.U2A. 005
Name	Process liquidity transfer order from TIPS to RTGS
Applicable to	TIPS DCA holder
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Party Query • AH TIPS Liquidity Manager <p>The User-DN link must have the flag “Main User”</p>
Test Evidence	Printscreen of the liquidity transfer order or its instruction reference

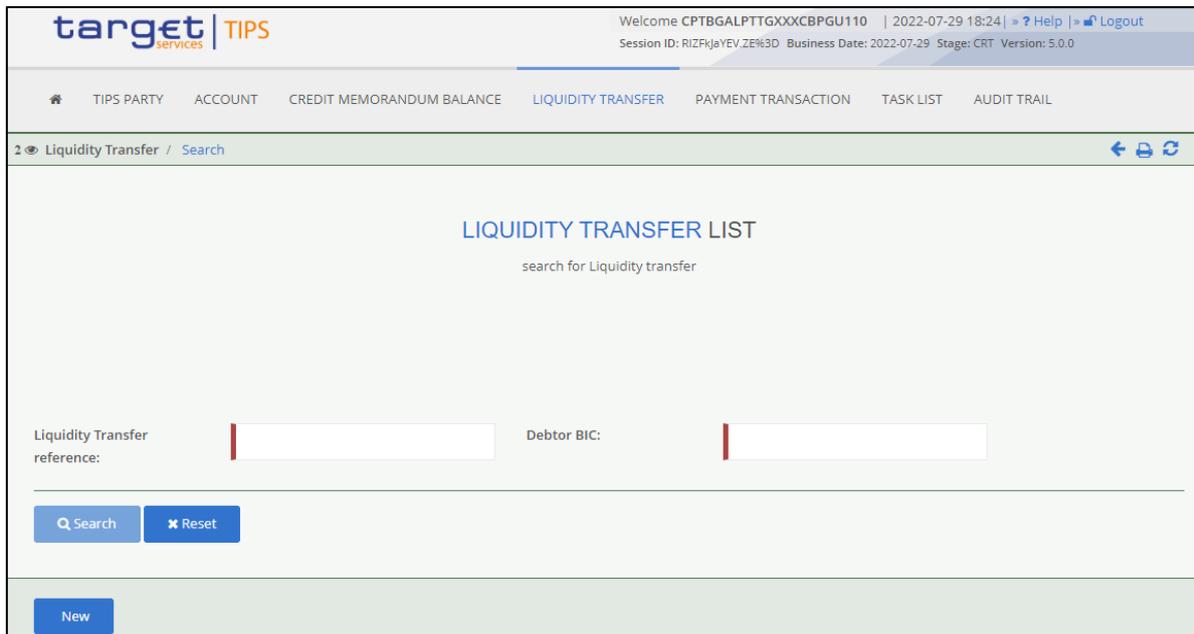
Description:

To process a liquidity transfer order from a TIPS DCA to a RTGS DCA, the user shall:

1. Press the main menu entry "Liquidity Transfer";



2. The user will be redirected to the screen below, where should click on the "NEW" button;



3. The user must:
 - Insert the Debtor BIC of the TIPS DCA to be debited in the Debtor BIC field;
 - Insert the number of TIPS DCA to be debited in the Debtor Account field;
 - Insert the Credit BIC of the RTGS DCA to be credited in the Creditor BIC field;
 - Insert the RTGS DCA to be credited in the Creditor Account field;
 - Insert the amount to transfer;

- Select the option EUR in the Currency field;
- Insert a reference in the Instruction Reference field;
- Insert a reference in the End to end reference field.

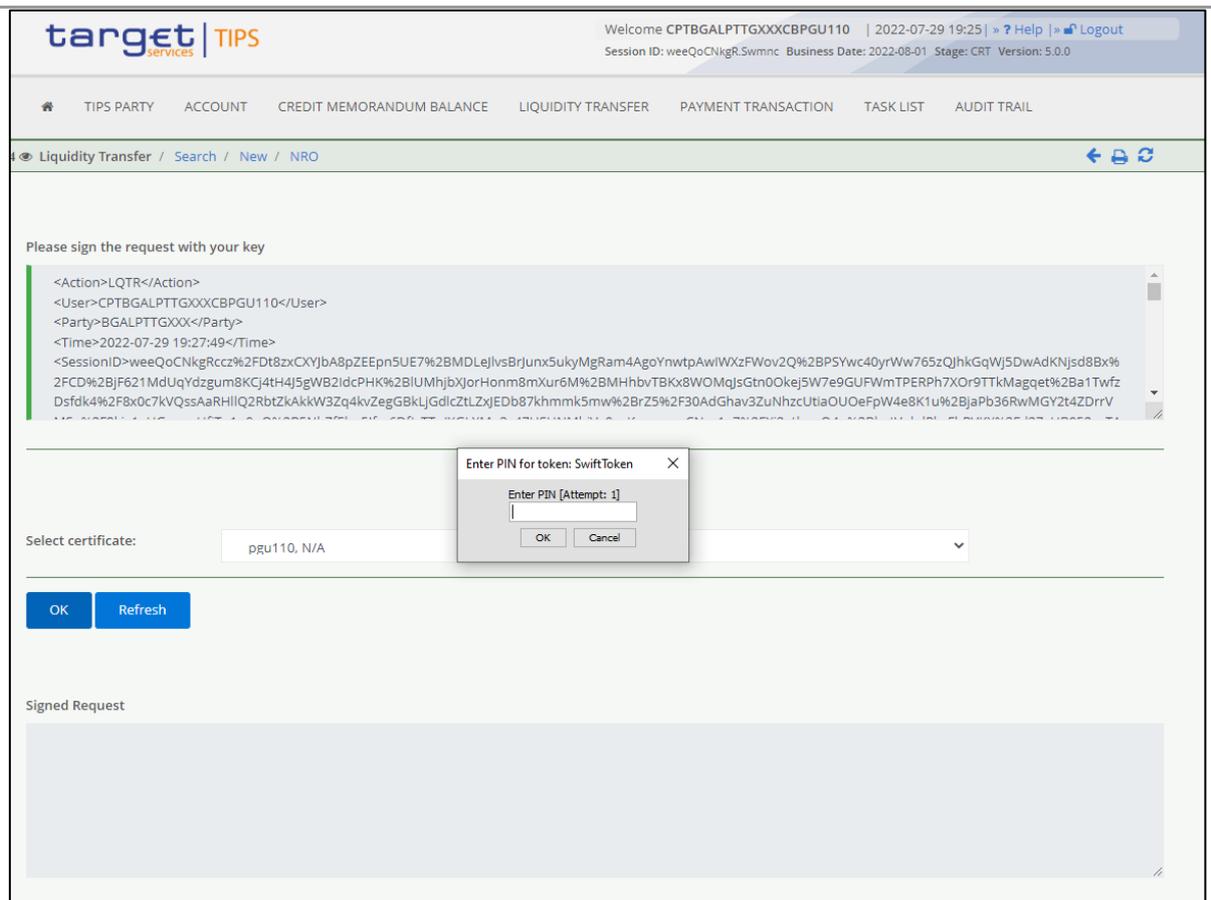
After filling in all the fields, press the Submit button.

The screenshot shows the 'LIQUIDITY TRANSFER' form in the Target PT system. The form is titled 'LIQUIDITY TRANSFER' and contains the following fields:

- Debtor BIC:
- Debtor Account:
- Creditor BIC:
- Creditor Account:
- Amount:
- Currency:
- Instruction reference:
- End to end reference:

At the bottom of the form, there are three buttons: '+ Submit', 'x Reset', and 'x Cancel'.

4. The user is redirected to the screen where he must sign the task. To do this, the user must press the Sign button and after that press the OK button. A pop-up window will appear where the user must insert his password and then press the Submit button;



If the user is working in four eyes mode, a second user needs to go to the main menu Task List and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details of the transaction. After validating that the data is correct, the user must press the Approve button.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

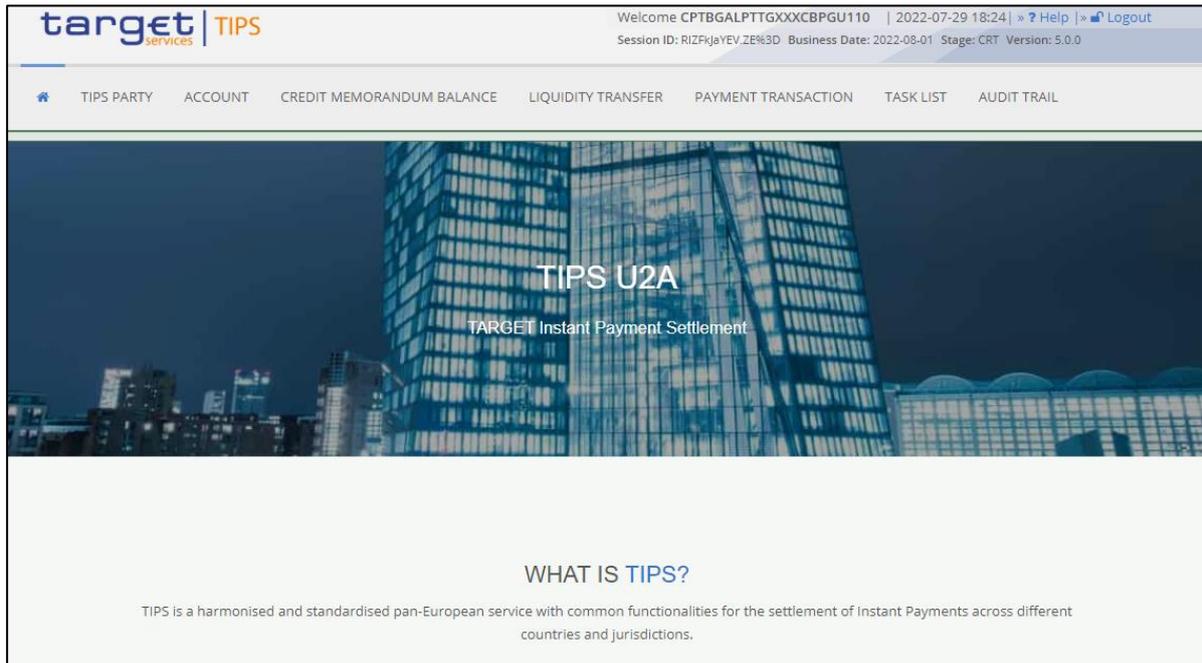
2.9.1.6 TIPS.U2A.006 - Process liquidity transfer order from TIPS to T2S

ID	TIPS.U2A. 006
Name	Process liquidity transfer order from TIPS to T2S
Applicable to	TIPS DCA holder
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Party Query • AH TIPS Liquidity Manager <p>The User-DN link must have the flag “Main User”</p>
Test Evidence	Printscreen of the liquidity transfer order or its instruction reference

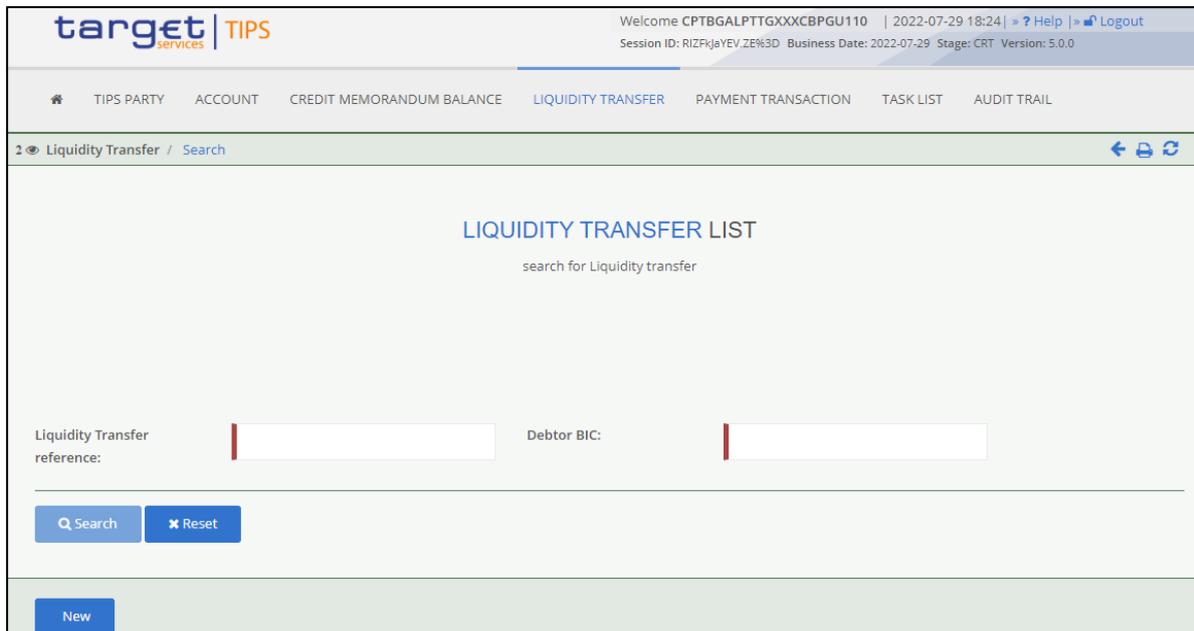
Description:

To process a liquidity transfer order from a TIPS DCA to a T2S DCA, the user shall:

1. Press the main menu entry "Liquidity Transfer";



2. The user will be redirected to the screen below, where should click on the "NEW" button;



3. The user must:
 - Insert the Debtor BIC of the TIPS DCA to be debited in the Debtor BIC field;
 - Insert the number of TIPS DCA to be debited in the Debtor Account field;
 - Insert the Credit BIC of the RTGS DCA to be credited in the Creditor BIC field;
 - Insert the RTGS DCA to be credited in the Creditor Account field;
 - Insert the amount to transfer;

- Select the option EUR in the Currency field;
- Insert a reference in the Instruction Reference field;
- Insert a reference in the End to end reference field.

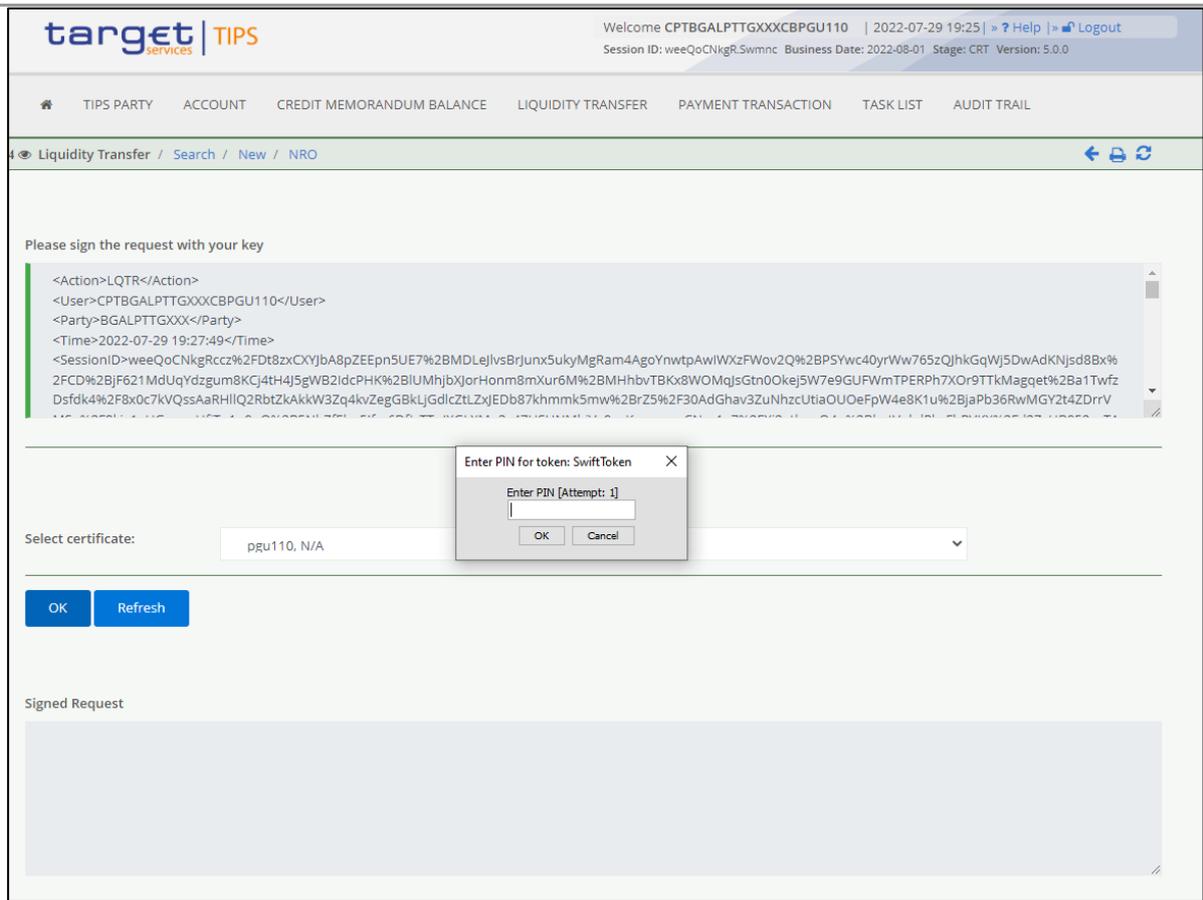
After filling in all the fields, press the Submit button.

The screenshot shows the 'LIQUIDITY TRANSFER' form in the TARGET TIPS system. The header includes the logo, user information, and session details. The main content area contains several input fields for transaction details, and a footer with action buttons.

LIQUIDITY TRANSFER			
Debtor BIC:	<input type="text"/>	Debtor Account:	<input type="text"/>
Creditor BIC:	<input type="text"/>	Creditor Account:	<input type="text"/>
Amount:	<input type="text"/>	Currency:	<input type="text" value="▼"/>
Instruction reference:	<input type="text"/>	End to end reference:	<input type="text"/>

Buttons: + Submit, ✖ Reset, ✖ Cancel

4. The user is redirected to the screen where he must sign the task. To do this, the user must press the Sign button and after that press the OK button. A pop-up window will appear where the user must insert his password and then press the Submit button;



If the user is working in four eyes mode, a second user needs to go to the main menu Task List and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details of the transaction. After validating that the data is correct, the user must press the Approve button.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

2.9.1.7 TIPS.U2A.007 – Query instant payment status

ID	TIPS.U2A.007
Name	Query instant payment status
Applicable to	TIPS DCA holder and TIPS Participant responsible for Reachable
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Party Query The User-DN link must have the flag “Main User”
Test Evidence	Printscreen of the result of the query (payment details screen)

1. To query the status of a previously sent instant payment transaction, the user should reach the screen Payment Transaction >> Advanced Search >> Search;

PAYMENT TRANSACTION ADVANCED LIST

Advanced search for Payment Transaction

Originator BIC:	<input type="text"/>	Beneficiary BIC:	<input type="text"/>
Cash Account:	<input type="text"/>	Transaction Leg:	<input type="text" value="Credit or Debit"/>
Amount From:	<input type="text"/>	Amount To:	<input type="text"/>
Currency:	<input type="text" value="EUR"/>	Settlement Business Date:	<input type="text" value="yyyy-mm-dd"/>
Status:	<input type="text" value="Settled"/>	Error Code:	<input type="text" value="ALL"/>
Acceptance Timestamp From:	<input type="text" value="yyyy-mm-dd"/>	<input type="text" value="00"/> <input type="text" value="00"/> <input type="text" value="00"/>	
Acceptance Timestamp To:	<input type="text" value="yyyy-mm-dd"/>	<input type="text" value="00"/> <input type="text" value="00"/> <input type="text" value="00"/>	
Settlement Timestamp From:	<input type="text" value="yyyy-mm-dd"/>	<input type="text" value="00"/> <input type="text" value="00"/> <input type="text" value="00"/>	
Settlement Timestamp To:	<input type="text" value="yyyy-mm-dd"/>	<input type="text" value="00"/> <input type="text" value="00"/> <input type="text" value="00"/>	

2. After searching, the user the user will have a list of results according to the search made ;

PAYMENT TRANSACTION ADVANCED LIST

Advanced search for Payment Transaction

Originator BIC:	<input type="text" value="BANPTLXXX"/>	Beneficiary BIC:	<input type="text"/>
Cash Account:	<input type="text"/>	Transaction Leg:	<input type="text" value="Credit or Debit"/>

Payment Trans...	Original...	Benefici...	Settlemen...	Settlemen...	A...	C...	Transac...	Acceptan...	Status	Err...
2024001	BANKPTPL...	OPENESMM...	2024-04-18	2024-04-18 11...	106.12	EUR	Credit or De...	2024-04-18 11...	Settled	
2024002	BANKPTPL...	OPENESMM...	2024-04-18	2024-04-18 11...	430.33	EUR	Credit or De...	2024-04-18 11...	Settled	
2024003...	BANKPTPL...	CAIXESBBX...	2024-04-18	2024-04-18 10...	188.02	EUR	Credit or De...	2024-04-18 10...	Settled	

1 to 100 of 1,000

First Previous Page 1 of 10 Next Last

Total rows: 1000

Details Export

3. Through the "Details" option the user should be able to see additional information on the instant payment.

Payment Details

Payment Transaction Reference:	2024001	Originator BIC:	BANKPTPLXXX
Beneficiary BIC:	OPENESMMXXX	Payment Transaction Type:	Instant Payment
Transaction Status:	SETTLED	Reason Code:	
Settlement Timestamp:	2024-04-18 11:46:26.174	Settlement Business Date:	2024-04-18
Payment Transaction Amount:	106.12	Payment Transaction Currency:	EUR
Payment Transaction end-to-end Reference:	NOTPROVIDED	Acceptance Timestamp:	2024-04-18 11:46:24.015
Payment Transaction Reception Timestamp:	2024-04-18 11:46:24.851	Payment Transaction Forwarding Timestamp:	2024-04-18 11:46:24.871
Confirmation Reception Timestamp:	2024-04-18 11:46:26.166	Confirmation to the Originator Timestamp:	2024-04-18 11:46:26.187
Originator IBAN:	PT50001100001234567899	Originator Name:	ABC, LDS
Beneficiary IBAN:	ES40001100001234567899	Beneficiary Name:	DEF, LDS
Payment Transaction Local Instrument Code:	INST	Payment Transaction Remittance Information:	DEF, LDS

Download Transaction Download Confirmation Cancel

2.9.1.8 TIPS.U2A.008 - Query the details CMB

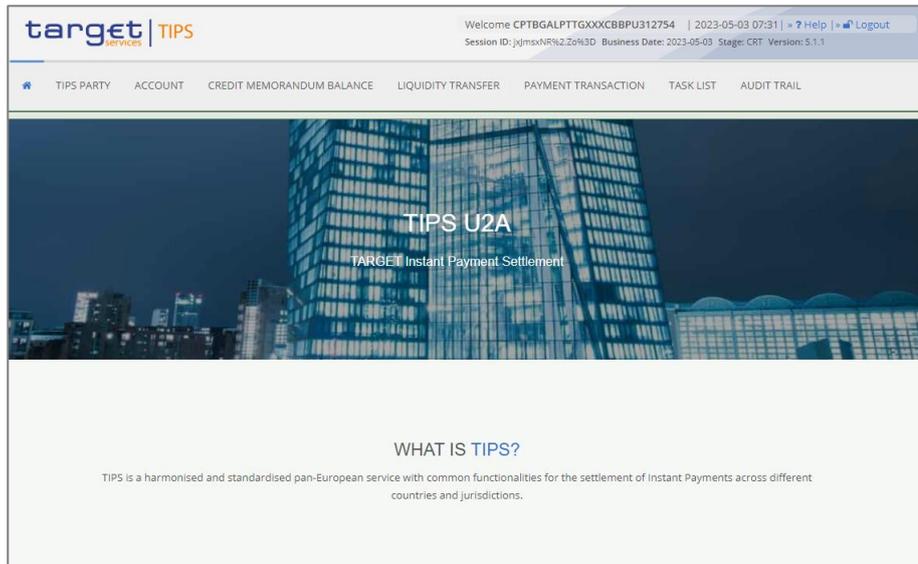
ID	TIPS.U2A.008
Name	Query the details CMB
Applicable to	TIPS Participant responsible for Reachable Parties
Pre-conditions	User should have been granted the roles:

	<ul style="list-style-type: none">• AH ESMIG Access• AH TIPS Reachable Party Query
Test Evidence	Printscreen of the result of the query (CMB list screen)

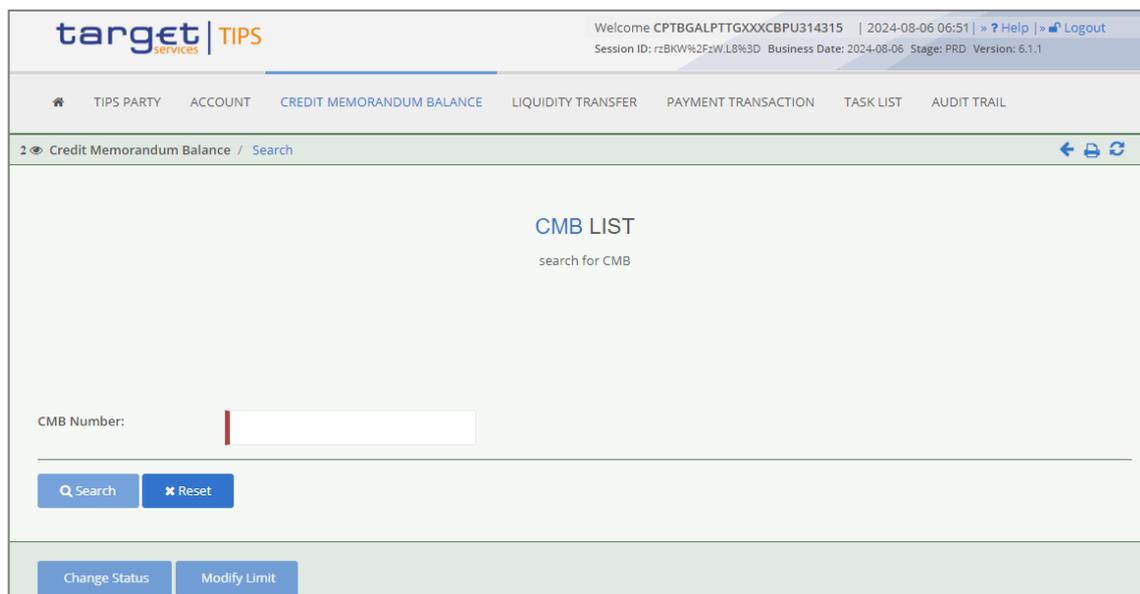
Description:

To query the details of a CMB, the user shall:

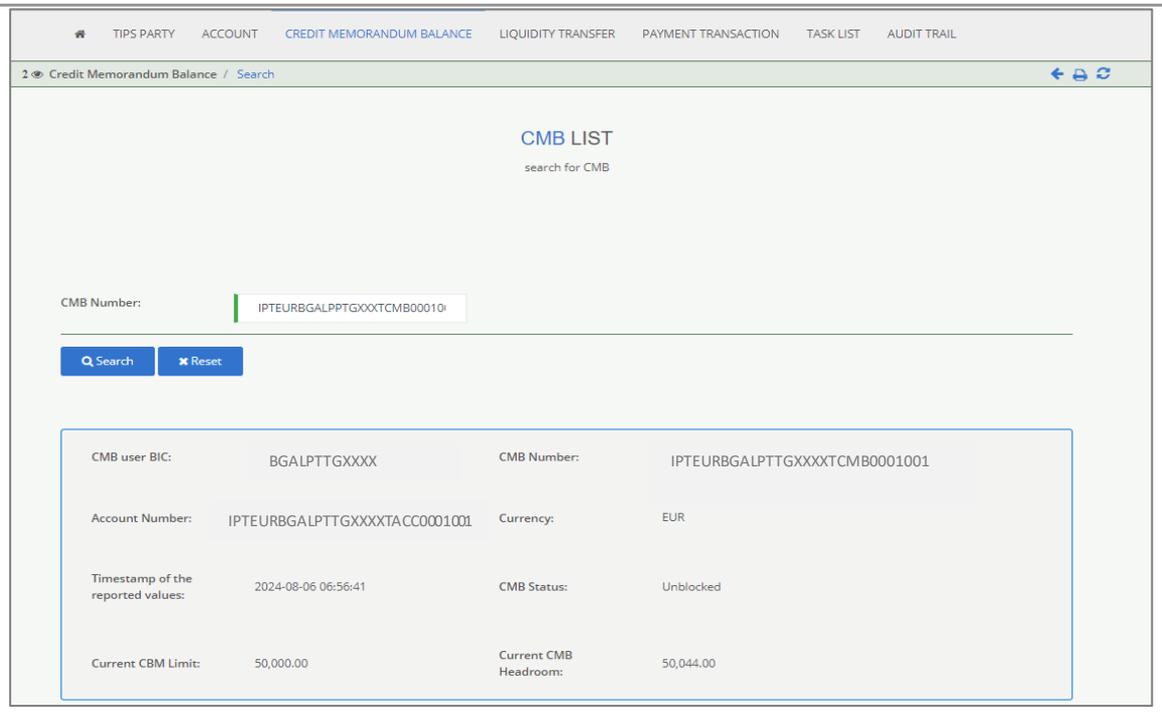
1. Press the main menu entry “Credit Memorandum Balance”;



2. The user will be directed to the screen below, where should fill the “CMB Number” field with the respective CMB number;



3. It should be possible to assess the details of the CMB.



2.9.2.9 TIPS.U2A.009 – Block/Unblock CMB

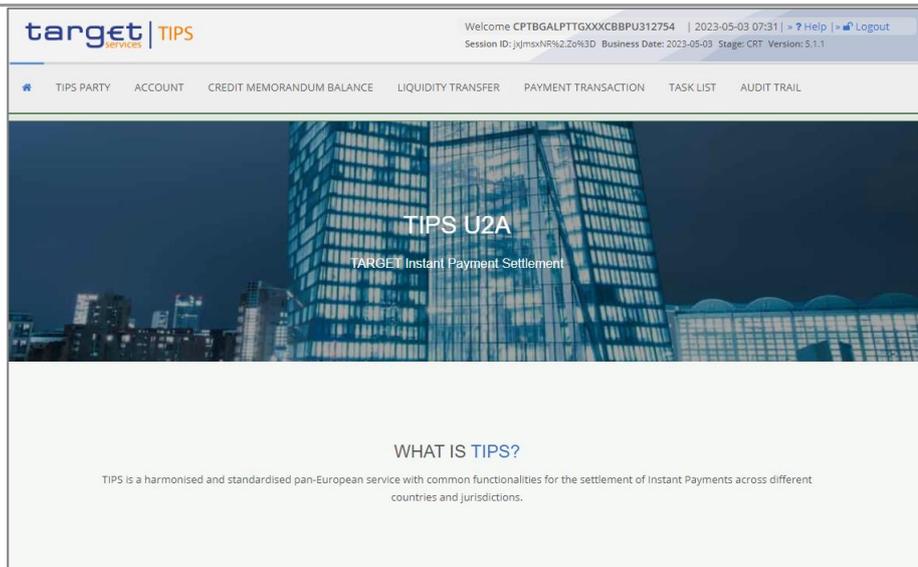
ID	TIPS.U2A.009
Name	Block/Unlock CMB
Applicable to	TIPS Participant responsible for Reachable Parties
Pre-conditions	User should have been granted the roles: <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Reachable Party Query • AH TIPS CMB Manager
Test Evidence	Printscreen of the CMB list screen

Description:

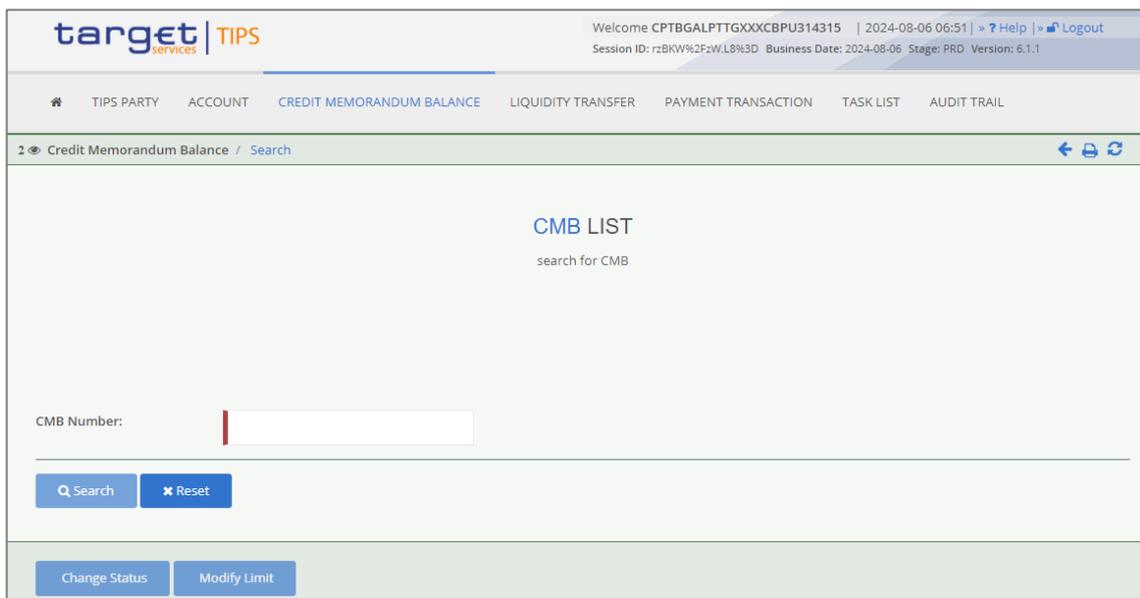
TIPS Participant with CMB can block, and unblock, a CMB linked to their account for credit operations, debit operations, or both.

To block/unblock the CMB, the user shall:

1. Press the main menu entry “Credit Memorandum Balance”;



2. The user will be directed to the screen below, where should fill the “CMB Number” field with the respective CMB number;



3. The user should should press the Change Status button;

The screenshot shows the 'CMB LIST' interface. At the top, there is a navigation bar with links: TIPS PARTY, ACCOUNT, CREDIT MEMORANDUM BALANCE (highlighted), LIQUIDITY TRANSFER, PAYMENT TRANSACTION, TASK LIST, and AUDIT TRAIL. Below the navigation bar, the breadcrumb path is '2 Credit Memorandum Balance / Search'. The main heading is 'CMB LIST' with a sub-heading 'search for CMB'. A search input field contains the CMB Number: 'IPTEURBGALPPTGXXXXTCMB00010'. Below the input field are 'Search' and 'Reset' buttons. A table displays the search results:

CMB user BIC:	BGALPTTGXXXX	CMB Number:	IPTEURBGALPPTGXXXXTCMB0001001
Account Number:	IPTEURBGALPPTGXXXXTACC0001001	Currency:	EUR
Timestamp of the reported values:	2024-08-06 06:56:41	CMB Status:	Unblocked
Current CBM Limit:	50,000.00	Current CMB Headroom:	50,044.00

At the bottom of the table, there are 'Change Status' and 'Modify Limit' buttons.

- The user must perform the block/unblock through the New status field, and after filling in the field, press the Submit button;

The screenshot shows the 'Change Status' dialog box. It contains the following fields:

- CMB Number: IPTEURBGALPPTGXXXXTCMB0001001
- Current status: Unblocked
- New Status: A dropdown menu with a downward arrow.

At the bottom right, there are 'Submit' and 'Cancel' buttons.

- The user is redirected to the screen where he must sign the task. To do this, the user must press the Sign button and after that press the OK button. A pop-up window will appear where the user must insert his password and then press the Submit button;
- If the user is working in four eyes mode, a second user needs to go to the main menu Task List and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details. After validating that the data is correct, the user must press the Approve button.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

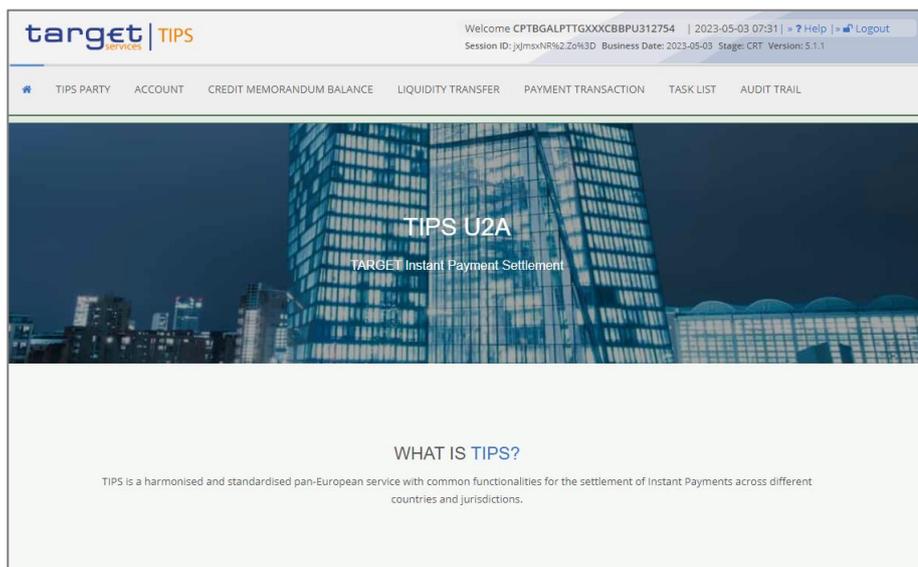
2.9.10 TIPS.U2A.010 - Change CMB limit

ID	TIPS.U2A.010
Name	Change CMB limit
Applicable to	TIPS Participant responsible for Reachable Parties
Pre-conditions	<p>User should have been granted the roles:</p> <ul style="list-style-type: none"> • AH ESMIG Access • AH TIPS Reachable Party Query • AH TIPS CMB Manager <p>To perform this test it is necessary create CMB limit on CRDM first</p>
Test Evidence	Printscreen of the CMB list screen before and after the change

Description:

To change the CMB limit, the user shall:

1. Press the main menu entry “Credit Memorandum Balance”;



- The user will be directed to the screen below, where should fill the "CMB Number" field with the respective CMB number;

target | TIPS services

Welcome CPTBGALPTTGXXXXCDBU314315 | 2024-08-06 06:51 | ? Help | Logout
Session ID: rzBKW%2FzWL8%3D Business Date: 2024-08-06 Stage: PRD Version: 6.1.1

TIPS PARTY ACCOUNT CREDIT MEMORANDUM BALANCE LIQUIDITY TRANSFER PAYMENT TRANSACTION TASK LIST AUDIT TRAIL

2 Credit Memorandum Balance / Search

CMB LIST

search for CMB

CMB Number:

Search Reset

Change Status Modify Limit

- The user should should press the Modify Limit button;

TIPS PARTY ACCOUNT CREDIT MEMORANDUM BALANCE LIQUIDITY TRANSFER PAYMENT TRANSACTION TASK LIST AUDIT TRAIL

2 Credit Memorandum Balance / Search

CMB LIST

search for CMB

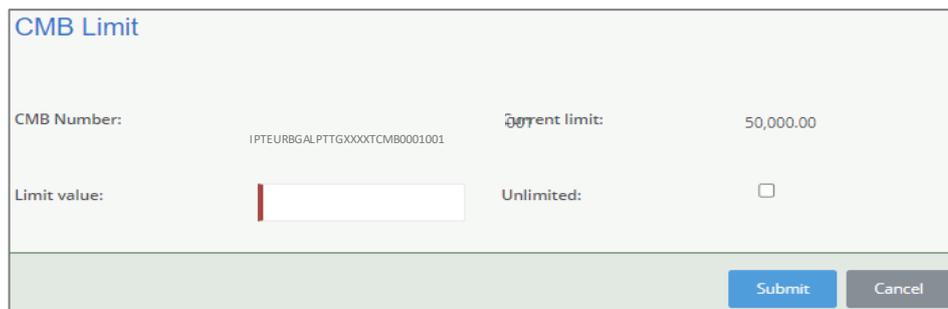
CMB Number:

Search Reset

CMB user BIC:	BGALPTTGXXXX	CMB Number:	IPTEURBGALPPTGXXXXCMB0001001
Account Number:	IPTEURBGALPPTGXXXXTACC0001001	Currency:	EUR
Timestamp of the reported values:	2024-08-06 06:56:41	CMB Status:	Unblocked
Current CBM Limit:	50,000.00	Current CMB Headroom:	50,044.00

Change Status Modify Limit

- The user must enter the new amoun in the Limit value field, and after filling in the field, press the Submit button;



5. The user is redirected to the screen where he must sign the task. To do this, the user must press the Sign button and after that press the OK button. A pop-up window will appear where the user must insert his password and then press the Submit button;
6. If the user is working in four eyes mode, a second user needs to go to the main menu Task List and click Search. The user must select the task to be approved and click Details, being redirected to a new screen with the details. After validating that the data is correct, the user must press the Approve button.

Hint: to be able to sign tasks, the user must have the Go-Sign Desktop software running.

Note: at the beginning of the next day, the value set in the CRDM will be restored.

2.9.2 Application-to-Application (A2A)

2.9.2.1 TIPS.A2A.001 – Query a TIPS Account balance

ID	TIPS.A2A.001
Name	Query a TIPS Account balance
Applicable to	TIPS Account holder
Pre-conditions	A2A User should have been granted the role AH TIPS Party Query.
Test Evidence	Copy of the sent camt.003 and the received camt.004

Description:

1. Send a GetAccount (camt.003) message, through the application/software used to communicate with TIPS, using the respective TIPS DCA number.
2. Once this message reaches TIPS, a ReturnAccount (camt.004) message is created by TIPS and should be forwarded to the application/software used in the query.
3. Then it should be possible to check the account details, such as the available balance and blocking status.

2.9.2.2 TIPS.A2A.002 - Process liquidity transfer order between a TIPS DCA and an ASTA

ID	TIPS.A2A.002
Name	Process liquidity transfer order between a TIPS DCA and an Ancillary System Technical Account (ASTA)
Applicable to	TIPS DCA account holder with A2A connection - participant in Instant Transfers subsystem of SICOI (SICOI-IPS)
Pre-conditions	A2A user should have been granted the role AH TIPS Liquidity Manager 2E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a TIPS DCA to another TIPS DCA:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the TIPS DCA to be debited and tag Credit Account >> Account number is filled in with number of the TIPS ASTA to be credited (in case of SICOI-IPS is 'IPTEURBGALPTTGIPSTAST0001001'). The BIC registered in the AS should be used in order for the provider to reflect correctly the liquidity transfer information on their internal system;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the TIPS DCA holder.

2.9.2.3 TIPS.A2A.003 - Process liquidity transfer order TIPS to CLM

ID	TIPS.A2A.003
Name	Process liquidity transfer order from TIPS to CLM
Applicable to	TIPS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH TIPS Liquidity Manager 2E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a TIPS DCA to a CLM account:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the TIPS DCA to be debited and tag Credit Account >> Account number is filled in with number of the CLM account to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the TIPS DCA holder.

2.9.2.4 TIPS.A2A.004 - Process liquidity transfer order TIPS to RTGS

ID	TIPS.A2A.004
Name	Process liquidity transfer order from TIPS to RTGS
Applicable to	TIPS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH TIPS Liquidity Manager 2E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a TIPS DCA to a RTGS DCA:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the TIPS DCA to be debited and tag Credit Account >> Account number is filled in with number of the RTGS DCA to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the TIPS DCA holder.

2.9.2.5 TIPS.A2A.005 - Process liquidity transfer order from TIPS to T2S

ID	TIPS.A2A.005
Name	Process liquidity transfer order from TIPS to T2S
Applicable to	TIPS DCA account holder with A2A connection
Pre-conditions	A2A user should have been granted the role AH TIPS Liquidity Manager 2E
Test Evidence	Copy of the sent camt.050 and the received camt.025

Description:

The following steps are required to process a liquidity transfer from a TIPS DCA to a T2S DCA:

1. Send a camt.050, where tag Debit Account >> Account number is filled in with the number of the TIPS DCA to be debited and tag Credit Account >> Account number is filled in with number of the T2S DCA to be credited;
2. Once the liquidity transfer is correctly settled, a camt.025 with the code value SSTS (SettlementStatus) should be received and properly integrated in the internal applications of the TIPS DCA holder.

2.9.2.6. TIPS.A2A.006 – Send an instant payment

ID	TIPS.A2A.006
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Name	Send an instant payment
Applicable to	TIPS Account holder
Pre-conditions	User should have been granted the role AH Instant Payment Manager
Test Evidence	Copy of the sent pacs.008 and the returned pacs.002

Description:

1. Send an instant payment, via FIToFICustomerCreditTransfer (pacs.008) message, through the application/software used to communicate with TIPS. If needed, the user can query the relevant BIC information to process the instant payment in the TIPS Directory;
2. Once this message reaches TIPS, a FIToFIPaymentStatusReport (pacs.002) message is created by TIPS, and it should be forwarded to the application/software used in the request;
3. Then it should be possible to assess if the instant payment was settled or rejected, and if reject what was the reason code.

Hint: Banco de Portugal is available to query the other communities and TIPS participants, if there is the need to get a testing partner to complete the instant payment related tests.

2.9.2.7. TIPS.A2A.007 – Query an instant payment status

ID	TIPS.A2A.007
Name	Query an instant payment status
Applicable to	TIPS Account holder and TIPS Participant responsible for Reachable Parties
Pre-conditions	User should have been granted the role AH TIPS Party Query
Test Evidence	Copy of the sent pacs.028 and the returned pacs.002

Description:

1. To query the settlement status of a previously sent Instant payment transaction, the user should send a FIToFIPaymentStatusRequest (pacs.028) message, through the application/software used to communicate with TIPS;
2. Once this message reaches TIPS, a FIToFIPaymentStatusReport (pacs.002) message is created by TIPS and should be forwarded to the application/software used in the query;
3. Then it should be possible to assess if the instant payment was settled or rejected, and if reject what was the reason code.

2.9.2.8. TIPS.A2A.008 – Receive an instant payment

ID	TIPS.A2A.008
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Name	Receive an instant payment
Applicable to	TIPS Account holder and TIPS Participant responsible for Reachable Parties
Pre-conditions	User should have been granted the role AH Instant Payment Manager
Test Evidence	Copy of the received pacs.008 and the returned pacs.002 confirming the settlement of payment

Description:

1. To complete this test the participant need to receive at least one instant payment, via via FIToFICustomerCreditTransfer (pacs.008), send by one active participant in the TIPS test environment;
2. Once TIPS forward this message to the beneficiary, the participant should accept it, using a FIToFIPaymentStatusReport (pacs.002) message, that should be send to TIPS before the timeout parameter is reached;
3. After that the instant payment should be settled by TIPS, that confirms the transaction to both parties by sending a FIToFIPaymentStatusReport (pacs.002). Then it should be possible to check the instant payment settled, in the application/software used by the beneficiary participant.

For this test to run smoothly, we recommend that the transaction(s) to be processed should be agreed beforehand, to allow the receiving participant to easily process the instant payment and get the necessary evidence.

Hint: Banco de Portugal is available to query the other communities and TIPS participants, if there is the need to get a testing partner to complete the instant payment related tests.

2.9.2.9 TIPS.A2A.009 – Reject an instant payment

ID	TIPS.A2A.009
Name	Reject an instant payment
Applicable to	TIPS Account holder
Pre-conditions	User should have been granted the role AH Instant Payment Manager
Test Evidence	Copy of the received pacs.008 and the sent pacs.002

Description:

1. To complete this test the participant need to receive at least one instant payment, via via FIToFICustomerCreditTransfer (pacs.008), send by one active participant in the TIPS test environment;
2. Once TIPS forward this message to the beneficiary, the participant should reject it, using a FIToFIPaymentStatusReport (pacs.002) message, that should be send to TIPS before the timeout parameter is reached. The reject reason can be the chosen by the participant, according to what is defined in the SCT Inst rulebook, for example “AC03” to simulate an instant payment sent to a wrong IBAN or “AC04” for an instant payment sent to a closed account;

3. After that the instant payment should be rejected in TIPS, that forwards the rejection to the originator of by sending a FIToFIPaymentStatusReport (pacs.002). Then it should be possible to check the instant payment in the rejected status, in the application/software used by the beneficiary participant.

For this test to run smoothly, we recommend that the transaction(s) to be processed should be agreed beforehand, to allow the receiving participant to easily process the instant payment and get the necessary evidence.

2.9.2.10 TIPS.A2A.010 – Send a recall request

ID	TIPS.A2A.010
Name	Send a recall request
Applicable to	TIPS Account holder
Pre-conditions	User should have been granted the role AH Instant Payment Manager
Test Evidence	Copy of the sent camt.056

Description:

1. To complete this test the participant need to send a recall request, via FIToFIPaymentCancellation-Request (camt.056), destined to the original beneficiary participant of an instant payment previously settled in TIPS;
2. Once TIPS receives the message, forwards it to the counterparty, that is then informed about the request to return the transactions. As this message flow is in some way independent of the actual return, we only request that the participant collects evidence about sending the actual recall request (camt.056) to complete this test.

2.9.2.11 TIPS.A2A.011 – Accept a recall request

ID	TIPS.A2A.011
Name	Accept a recall request
Applicable to	TIPS Account holder
Pre-conditions	User should have been granted the role AH Instant Payment Manager
Test Evidence	Copy of the sent pacs.004 and the returned pacs.002

Description:

1. To complete this test the participant need to return a payment, by sending a PaymentReturn (pacs.004) to TIPS, as a response to a previously recall request previously sent by the originator participant of the original instant payment transaction;

2. Once this message reaches TIPS, a FIToFIPaymentStatusReport (pacs.002) message is created by TIPS, and it should be forwarded to the application/software used in the request.

2.9.2.12 TIPS.A2A.012 – Reject a recall request

ID	TIPS.A2A.012
Name	Reject a recall request
Applicable to	TIPS Account holder
Pre-conditions	User should have been granted the role AH Instant Payment Manager
Test Evidence	Copy of the sent camt.029

Description:

1. To complete this test the participant should reject a return request, responding to a request previously sent by the originator participant of the original instant payment transaction. This is achieved by sending a ResolutionOfInvestigation (camt.029);
2. Once the message reaches TIPS, the participant only need to confirm that the response was processed and forwarded to the participant that was requesting the recall.

2.9.2.13 TIPS.A2A.013 – Process TIPS Statement of Accounts

ID	TIPS.A2A.013
Name	Process TIPS Statement of Accounts
Applicable to	TIPS account holder with A2A connection
Pre-conditions	TIPS account holder has subscribed the reception of camt.053 for the TIPS DCA
Test Evidence	Copy of the received camt.053

Description:

To test the processing of a camt.053 - TIPS Statement of Accounts the participant shall verify the correct reception of the camt.053 and confirm that it was correctly integrated in the internal applications.

2.9.2.14 TIPS.A2A.014 – Query the details CMB

ID	TIPS.A2A.014
Name	Query the details CMB
Applicable to	TIPS Participant responsible for Reachable Parties
Pre-conditions	A2A User should have been granted the role AH TIPS Reachable Party Query
Test Evidence	Copy of the sent camt.003 and the received camt.004

Description:

1. Send a GetAccount (camt.003) message, through the application/software used to communicate with TIPS, using the respective CMB number;
2. Once this message reaches TIPS, a ReturnAccount (camt.004) message is created by TIPS and should be forwarded to the application/software used in the query;
3. Then it should be possible to check the CMB details, such as the CBM Limit and status.

2.9.2.15 TIPS.A2A.015 - Block/Unblock CMB

ID	TIPS.A2A.015
Name	Block/Unblock CMB
Applicable to	TIPS Participant responsible for Reachable Parties
Pre-conditions	A2A User should have been granted the roles AH TIPS CMB Manager and AH TIPS Reachable Party Query
Test Evidence	Copy of the sent acmt.015 and the received acmt.010

Description:

To block/unblock the CMB, the user shall:

1. Send a AccountExcludedMandateMaintenanceRequest (acmt.015) message, through the application/software used to communicate with TIPS;
2. Once this message reaches TIPS, a AccountRequestAcknowledgement (acmt.010) message is created by TIPS, if the request was processed successfully, and it should be forwarded to the application/software used in the request;
3. Then it should be possible to check the CMB details, in particular status.

2.9.2.16 TIPS.A2A.016 – Change CMB limit

ID	TIPS.A2A.016
Name	Change CMB limit
Applicable to	TIPS Participant responsible for Reachable Parties
Pre-conditions	A2A User should have been granted the roles AH TIPS CMB Manager and AH TIPS Reachable Party Query To perform this test it is necessary create CMB limit on CRDM first
Test Evidence	Copy of the sent camt.011 and the received camt.025

Description:

1. Send a ModifyLimit (camt.011) message, through the application/software used to communicate with TIPS;
 2. Once the change of the CMB limit is performed, a camt.025 with the code value SSET (SettlementStatus) should be received and properly integrated in the internal applications used.
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3. FAQ - Frequently Asked Questions

Please see the document [Evolução dos Serviços TARGET | Perguntas Frequentes](#).