Central Liquidity Management

Graphical User Interface Description

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1 INTRODUCTION

The Central Liquidity Management (CLM) Graphical User Interface (GUI) description defines the set of online business functions that a user will be able to access through a browser. This description covers the standard window layout, the definition of control elements (such as buttons, drop-down lists), menu structure and screen definitions that provide the business functionality. The description is based on the outcome of workshops held between the ECB and user representatives from central banks, banks and ancillary systems as future users of CLM. The description is the basis for developing the GUI. However, the development process may identify improvements and/or technical constraints that may result in deviations to the descriptions in this document.

The objective of the description is to provide the software developers with a description of the functionality in terms of screen layout and business functions that the business user expects in the user interface. Furthermore, it facilitates the early test preparation of Central Banks and their respective communities in that it provides the envisaged screen layouts. The CLM User Handbook that will provide the documentation for all GUI functions as they have been implemented will replace this description.

2 Window layout

All windows of the Central Liquidity Management (CLM) GUI have a standard layout consisting of a

- Header;
- Sub-header;
- Content area

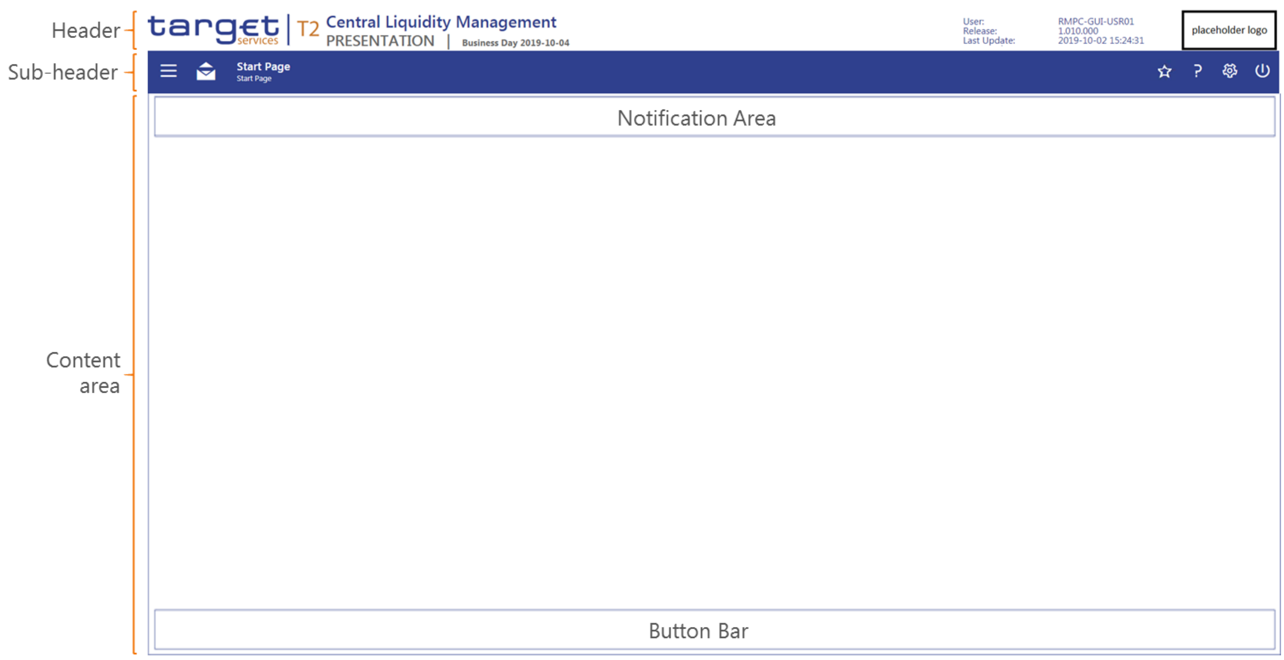


Figure 1 – Window Layout

2.1 Header

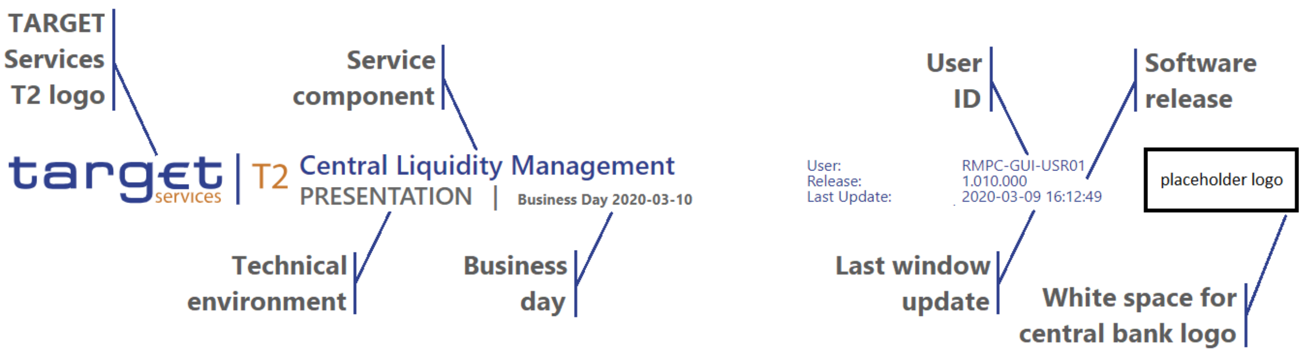


Figure 2 – Header

The content and format of the header is common for all windows of the CLM user interface and displays the following information to the user:

- TARGET Services T2 logo;
- Technical environment, which documents whether the user is in the production or pre-production environment;
- Service component which is Central Liquidity Management;
- Business day on which CLM is operating;
- The date and time that the user last refreshed the screen;
- User ID, specifying the unique identifier of the CLM;
- Software release of the GUI which the user is logged into;
- White space for central bank logo.

2.2 Sub-header

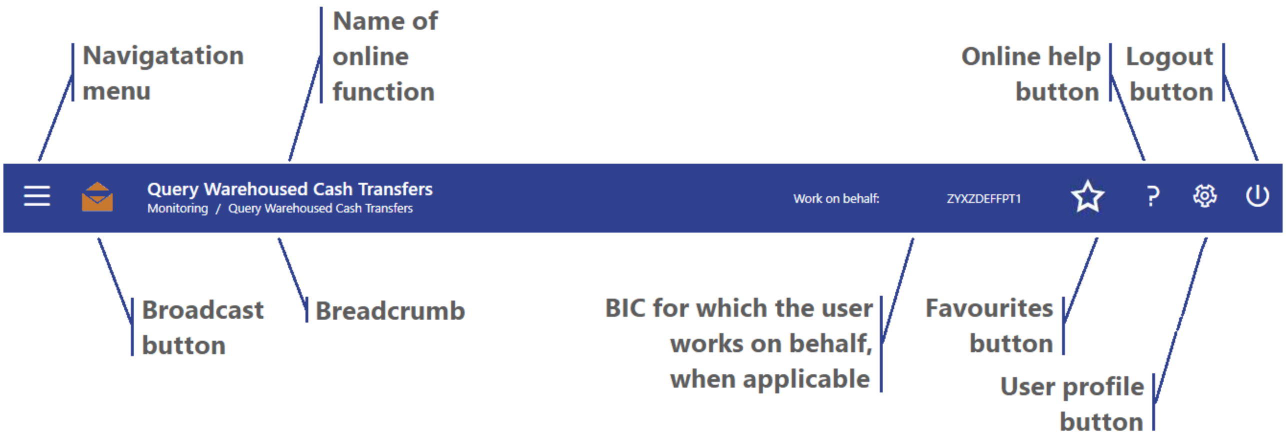


Figure 3 – Sub-header with new broadcast message

Figure 4 – Sub-header with no new broadcast message

The content and format of the sub-header is common for all screens of the CLM user interface and displays the following information:

- The *Navigation* menu provides access to the CLM GUI functions based on the privileges of the user.
- The *Broadcast* button notifies a user about specific system events and operations-related and business-related information. This button is orange in colour when there is a new broadcast, which can be accessed by clicking on it. When there are no new broadcasts, the button will be white in colour.
- The *Name of online function* displays the function of the current screen.
- The *Breadcrumb* displays the navigation path of the current window.
- When the user works on behalf of another party in the CLM GUI, work on behalf displays the Party BIC on whose behalf the user is operating.
- The *Favourites* button allows the user to set and manage bookmarks for screens in the T2 service.
- The *Online Help* button provides a context sensitive description of the current window.
- The *User Profil*e button allows the user to select CLM GUI preferences from a pull-down menu that allows the user to change preferences for the current session.
- The *Logout* button allows the user to log out of the CLM GUI. When clicking on the button, a pop-up appears that requests the user to confirm or cancel the logout operation.

2.3 Content area

The content area is the section of the window in which the GUI shows functional and business data, input elements or other application-related content. It consists of a notification area, the business content and the button bar. Scrolling is only possible in the content area. The notification area and the button bar will always remain visible when required for a window.

2.3.1 Notification area

The notification area will display confirmation and error notifications related to the current screen after front-end validation and back-end processing.

Success notification box

A success notification will appear when the user successfully completes a business operation in the content area that requires a confirmation by the user.

Figure 5 – Success notification box

Error notification box

All submission processes undergo various validations, which take place in the front-end and/or in the back-end. Only correct entries, fulfilling all predefined criteria, can be further processed.

As a first part of the validation process, the frontend validation takes place without communication to the back-end. This occurs while entering data. The frontend validation includes both the field validation and the cross-field validation. The field validation verifies that all entries comply with the required format. The cross-field validation checks the data consistency between two or more fields in relation to each other. In case of an error, the erroneous input field is distinctly marked and an error text is displayed.

The backend validation is the second part of the validation process. After a successful frontend validation and data submission, the backend checks for compliance with the business validation rules. In case of a failure an error notification is displayed to the user and the related input field is distinctly marked.

An error notification appears when the GUI application identifies a validation error in the current window. The error notification box displays the error code and the associated text description of the error notification.

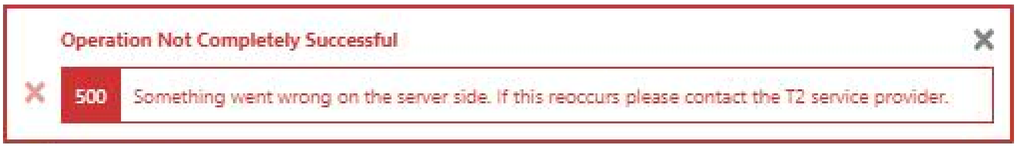


Figure 6 – Error notification box

The user can close the notification boxes via a button in the upper right corner.

2.3.2 Content area

The content area contains the business functionality of a window, i.e. for the input of business data or search functionality. Therefore, the content area provides functions and data that relate to a specific online business operation that the user wishes to execute.

The content area allows the grouping of related elements in order to provide easy access to information without requiring scrolling by the user. These data groups are separated by dividers with an appropriate label positioned in the top left corner. The data groups can be shown or hidden by selecting the corresponding icon on the left-hand side.

- Open button for a section divider: The collapsed section under the divider expands when the user clicks on the button on the left.

- Close button for a section divider: The expanded section under the divider collapses when the user clicks on the button on the left.

2.3.3 Button bar

The button bar is a fixed element at the bottom of the content area that remains in place even when the window has a scrollable content area. The purpose of the fixed positioning of the content bar is to allow the user to execute the standard functions associated with the window without the need to scroll to the bottom of a window.

Figure 7 – Button bar

2.4 Fields

Fields allow a user to enter alphanumeric values.

- Standard input field without a default value appears without content

- Standard input field with default value, where the user can overwrite the default value

- Standard input error: when the validation of the screen content returns an error for an input field, the input field with the erroneous value will be clearly marked

- Standard inactive field: the user cannot interact with this field until it is triggered by a selection in preceding field

- Standard read-only field: these fields will display non-modifiable values

2.5 STANDARD GUI FUNCTIONS

2.5.1 INPUT FIELDS

- Standard drop-down list: the user can click on the button on the right to display all possible choices that can be selected. When a user enters a character in the input field, the first option in the list starting with this character is highlighted

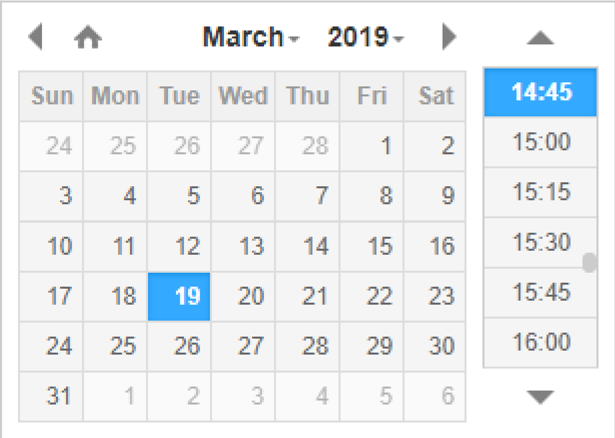
- Auto-complete drop-down list: the user can enter characters that the field uses to filter among the available options in the list

- Smart-select list: the user can enter a value directly into the input field, or click on the button on the right leading to a search screen where one or more search criteria can be used to find the required option

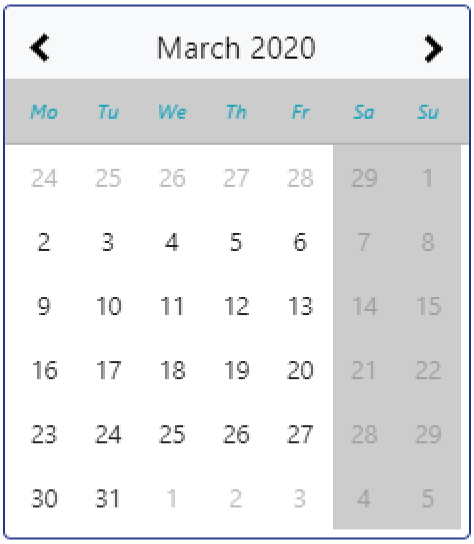
- Check-box: the user can click inside the check-box on the left to activate or de-activate a function

- Multiple-select list: the user can select all of the entries by clicking inside the check box on the left. To select some entries, the user can click on whichever button is on the right to display all possible choices that can be selected, and clicking inside the check box to the left of each desired entry. The user can also select all of the entries, and then unselect undesired entries by clicking inside the check box to their left.

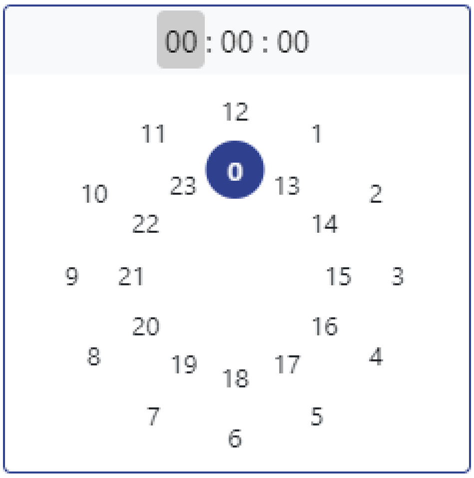
- Date and time picker: the user can either enter a date and time in the format shown, or click either the button on the left or right to select a date and time from the calendar and clock



- Date picker (without time picker): the user can enter a date in the format shown, or click the button on the left to select a time from the calendar



- Time picker (without date picker): the user can enter a time in the format shown, or click the button on the right to select a time from the clock

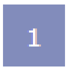


2.5.2 Paging in Lists

- Go to first page: the user can click on this button to return to the first page of a multi-page list

- Go to preceding page: the user can click on this button to return to the preceding page of a list

- Page number button: the user can click on a page number button to go directly to that page of a list



- Go to following page: the user can click on this button to go to the following page of a list

- Go to last page: the user can click on this button to return to the last page of a multi-page list

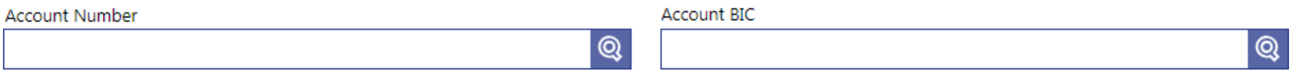
- Refresh button: the user can click this button to refresh a list. A change in this functionality to encompass the entirety of the results page including results not contained within a list is under consideration.

Export button: the user can select one or more entries in a list and click on this button to export those entries in a comma-separated value (csv format)

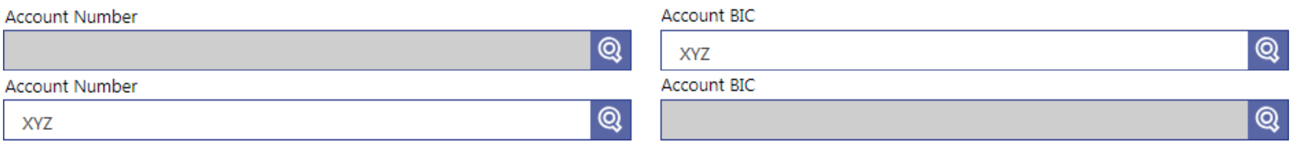
2.5.3 Mutually Exclusive Input Fields

Mutually exclusive input fields define those fields where an input in one field precludes an input in a second field and where the input of a value in one field could result in a contradiction with the input of a value in the second field even though the values in both fields are correct. An example of mutually exclusive fields is Account Number and BIC.

For example, many screens allow the user to enter both the account number and the account BIC when inputting a cash account. When the user initially opens the screen, both fields allow for the input of the respective identifier.



In order to eliminate the possibility of entering values in these fields that would contradict each other, the input of a value in *Account BIC* field by the user results in the *Account Number* field to become inactive and grey. Conversely, the input of a value in *Account Number* field by the user results in the *Account BIC* field to become inactive and grey.



2.5.4 Amount Fields

All amount fields in the GUI allow the user to enter amounts using character inputs for thousands, millions and billions to facilitate a quicker input.

- The character K represents thousand, thereby allowing the user can enter 5K instead of 5,000;
- The character M represents millions, thereby allowing the user can enter 5,5M instead of 5,500,000;
- The character B represents billions, thereby allowing the user can enter 1,5B instead of 1,500,000,000.

2.6 Access to GUI functions

As a rule, the GUI will only display menu items and buttons to which the logged in user has the required access rights to execute the GUI function. In a limited number of cases, access to a GUI function is dependent on the data that the user enters, such as for the entry of a liquidity transfer order, where the display of liquidity is dependent on the entered account number. The GUI always will display the button(s) in such cases. When the user executes a function that is dependent on the entered data, a validation will take place whether the user has the rights to execute the function based on the entered data.

3 MENU STRUCTURE

The menu navigation button provides access to all available business functionalities of a component. The menu only displays those entries to which the user has the respective access rights. The menu does not display entries for which the user does not have the respective access rights. When the user selects the menu navigation icon in the sub-header, then the top-level menu entries appear. By selecting a top-level menu-entry, a menu with further entries opens to the right.

4 CASH TRANSFERS AND MESSAGES

4.1 CASH TRANSFER ORDERS

4.1.1 CASH TRANSFER ORDERS – QUERY SCREEN

The *Cash Transfer Orders Query Screen* allows a user to enter selection criteria to query cash transfer orders.

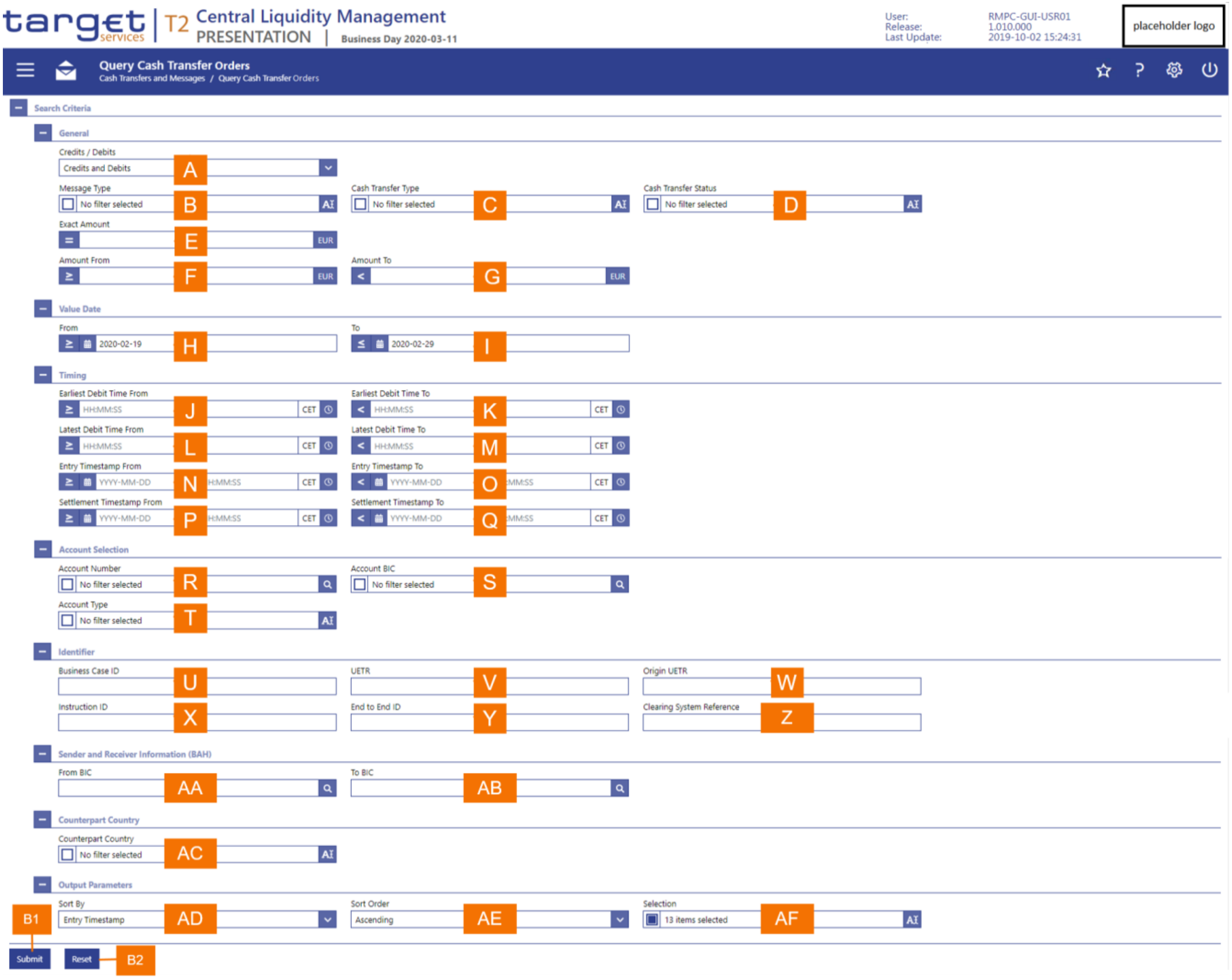


FIGURE 8 – CASH TRANSFER ORDERS – QUERY SCREEN

Label	Field Description
A	This field allows the user to select cash transfer orders based on whether they are debit, credit or both.
B	This field allows the user to select cash transfer orders based on the ISO 20022 message type of the cash transfer order.
C	This field allows the user to select cash transfer orders based on the type of cash transfer order.
D	This field allows the user to select cash transfer orders based on their current processing status.
E	This field allows the user to select cash transfer orders based on an exact amount.
F	This field allows the user to enter a settlement amount from which cash transfer orders are to be selected.

Label	Field Description
G	This field allows the user to enter a settlement amount to which cash transfer orders are to be selected.
H	This field allows the user to specify the starting value date for selecting cash transfer orders.
I	This field allows the user to specify the ending value date for selecting cash transfer orders.
J	This field allows the user to specify the starting earliest debit time for selecting cash transfer orders.
K	This field allows the user to specify the ending earliest debit time for selecting cash transfer orders.
L	This field allows the user to specify the starting latest debit time for selecting cash transfer orders.
M	This field allows the user to specify the ending latest debit time for selecting cash transfer orders.
N	This field allows the user to specify the starting entry time for selecting cash transfer orders.
O	This field allows the user to specify the ending entry time for selecting cash transfer orders.
P	This field allows the user to specify the starting time for the settlement of the cash transfer order for querying cash transfer orders.
Q	This field allows the user to specify the ending time for the settlement of the cash transfer order for querying cash transfer orders.
R	This field allows the user to select cash transfer orders based on a specific cash account number.
S	This field allows the user to select cash transfer orders based on a specific account BIC.
T	This field allows the user to select cash transfer orders based on a specific cash account type of a cash account in the cash transfer order.
U	This field allows the user to select a specific cash transfer order by its assigned business case identifier.
V	This field allows the user to select a specific cash transfer order by its UETR as contained in the message. The UETR is a universally unique identifier which is generated by the initiating party of a payment transaction.
W	This field allows the user to enter the UETR of the original message which the message currently queried refers to.
X	This field allows the user to enter the Instruction ID, the unique identifier of the cash transfer order.
Y	This field allows the user to select a specific cash transfer order by its end-to-end identification as contained in the instruction.
Z	This field allows the user to specify a clearing system reference.

Label	Field Description
AA	This field allows the user to select a BIC for the sender of the message.
AB	This field allows the user to select a BIC for the receiver of the message.
AC	This field allows the user to specify the ISO country code in which the counterpart of the message queried is located.
AD	This field allows the user to enter the attribute by which the application should sort the list.
AE	This field allows the user to specify whether the application should sort the list in ascending or descending order, with the default value being the ascending order.
AF	This attribute allows the user to select the attributes of the cash transfer order as well as their sequence that the query should display in the results list.

TABLE 1 – CASH TRANSFER ORDERS – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the search of the cash transfer orders based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 2 – CASH TRANSFER ORDERS – QUERY SCREEN BUTTON DESCRIPTIONS

4.1.2 CASH TRANSFER ORDERS – LIST FROM QUERY SCREEN

The *Cash Transfer Order List from Query* screen displays the cash transfer orders that fulfil the selection criteria that the user entered in the query screen. The screen example displays the list with its default column settings. The user has the possibility to select the columns that the list is to display in the query screen.

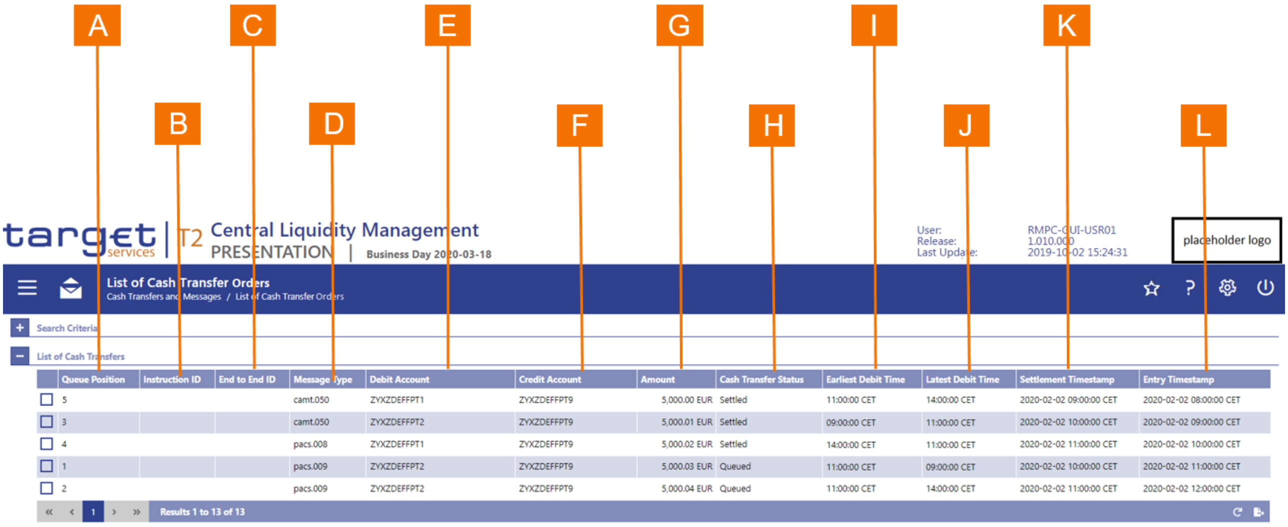


FIGURE 9 – CASH TRANSFER ORDERS – LIST FROM QUERY SCREEN

Label	Field Description
A	This column displays the position of the cash transfer order in the settlement queue.
B	This column displays the identifier of the cash transfer (order) as contained in the instruction related to the cash transfer order.
C	This column displays the end-to-end identifier as contained in the instruction related to the cash transfer order.
D	This column displays the ISO 20022 message type of the cash transfer order.
E	This column displays the account number or account BIC of the debit account related to the cash transfer order.
F	This column displays the account number or account BIC of the credit account related to the cash transfer order.
G	This column displays the amount of the cash transfer order.
H	This column displays the current processing status of the cash transfer order.
I	This column displays the earliest debit time of the cash transfer order.
J	This column displays the latest debit time of the cash transfer order.
K	This column displays the settlement timestamp of the cash transfer order.
L	This column displays the entry timestamp of a cash transfer order.

TABLE 3 – CASH TRANSFER ORDERS – LIST FROM QUERY SCREEN FIELD DESCRIPTIONS

The *Cash Transfer Orders List from Query* screen is subject to a specific processing logic.

- The user has the possibility to execute the following functions through a context menu for one or more selected cash transfer orders
  - agree with the settlement of cash transfer orders
  - disagree with the settlement of cash transfer orders
  - view the details of cash transfers (orders)
  - revoke cash transfer orders
  - increase the queue position of cash transfer orders
  - decrease the queue position of cash transfer orders
  - modify the earliest debit time of cash transfer orders
  - modify the latest debit time of cash transfer orders
  - display the business cases of cash transfer orders
  - display the messages of cash transfer orders
- The user can select one or more items for processing, then a pop-up with the list of selected items appears that requests the user to submit or cancel the selected operation.
  - If the user clicks on the submit button in the pop-up, then a success or error notification appears and returns the user to the *Cash Transfer Orders List* screen.
  - If the user clicks on the Cancel button in the pop-up, then the *Cash Transfer Orders List* screen reappears with the previously selected tasks still marked for processing.

4.1.3 CASH TRANSFER ORDERS – LIST FROM CONTEXT MENU

The *Cash Transfer Orders List from Context Menu* is a screen that the user can access through a context menu from various cash transfer order screens. It lists all the cash transfer orders that fulfil the criteria, as specified by the values in the screen from which the user activated the list screen through a context menu.

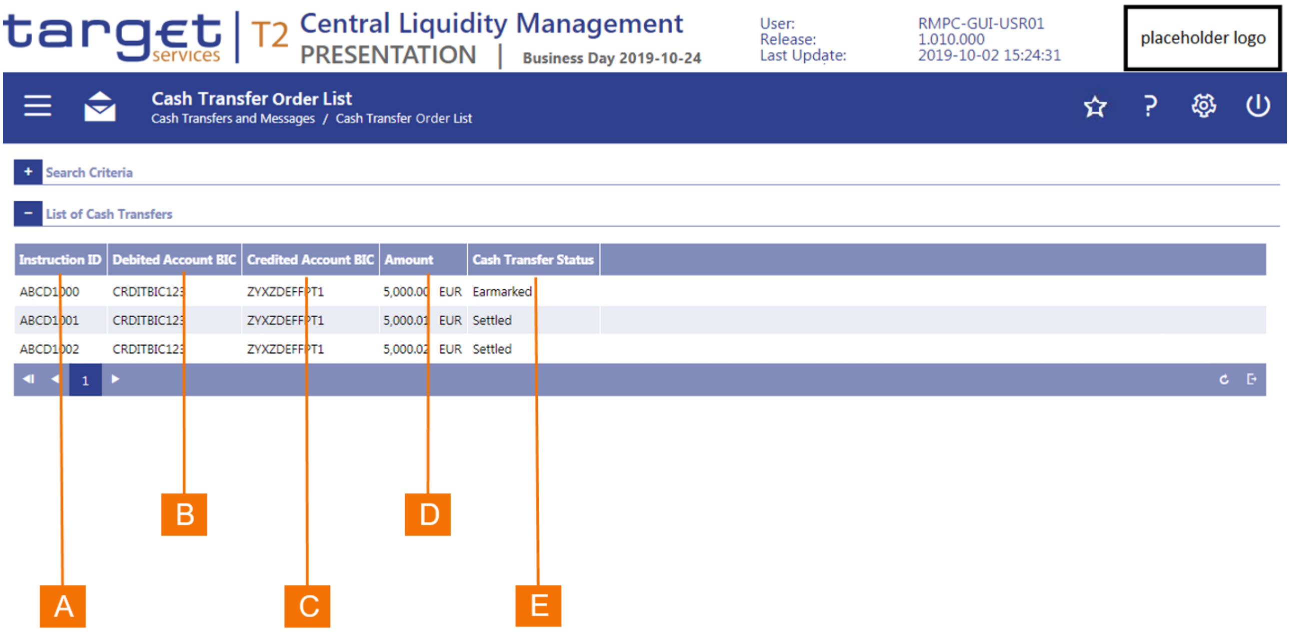


FIGURE 10 – CASH TRANSFER ORDERS – LIST FROM CONTEXT MENU SCREEN

Label	Field Description
A	This column displays the business reference identifier of the cash transfer order.
B	This column displays the debit account.
C	This column displays the credit account.
D	This column displays the amount of the cash transfer order.
E	This column displays the processing status of the cash transfer order.

TABLE 4 – CASH TRANSFER ORDERS – LIST FROM CONTEXT MENU SCREEN FIELD DESCRIPTIONS

4.1.4 CASH TRANSFERS – DETAILS SCREEN

The *Cash Transfer Orders Details* screen displays the key attributes of a cash transfer order that the user selected from the *Cash Transfer Orders List* screen.

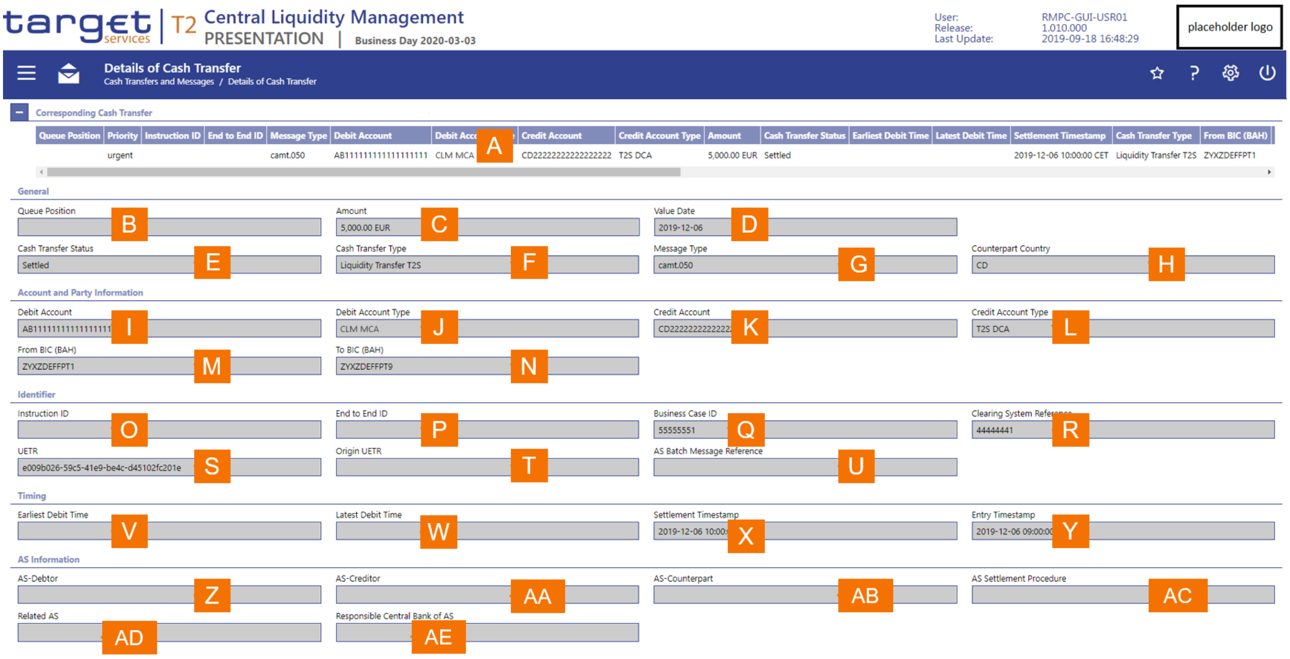


FIGURE 11 – CASH TRANSFER ORDERS – DETAILS SCREEN

Label	Field Description
A	This section displays the attributes of a cash transfer order as a single line.
B	This field displays the position of the cash transfer order in the settlement queue whilst the cash transfer is not settled.
C	This field displays the amount and currency of the cash transfer order.
D	This field displays the date as which the cash transfer order is about to settle or has been settled.
E	This attribute displays the processing status of the cash transfer order.
F	This field displays the category of cash transfer order, e.g. payment order, AS transfer order, liquidity transfer order, etc.
G	This field displays the ISO name of the message from which the application generated the cash transfer order.
H	This field displays the country code of the party that is the counterpart to the cash transfer order.
I	This field displays the cash account or sub-account of the party that the cash transfer order will debit/has debited.
J	This field displays the Account Type classification of the cash account or sub-account in the Common Reference Data Management that the cash transfer will debit/has debited.

Label	Field Description
K	This field displays the cash account or sub-account of the party that the cash transfer order will credit/has credited.
L	This field displays the Account Type classification of the cash account or sub-account in the Common Reference Data Management that the cash transfer will credit/has credited.
M	This field displays the BIC of the party that sent the message pertaining to the cash transfer order.
N	This field displays the BIC of the party that will receive the message pertaining to the cash transfer order.
O	This field displays the unique identifier of the cash transfer order.
P	This field displays the end-to-end reference identifier that was included in the cash transfer order.
Q	This field displays the unique identifier that the service has assigned to the life cycle pertaining to the cash transfer order.
R	This field displays the transaction reference of the cash transfer order that the clearing system assigned.
S	This field displays the UETR as contained in the message. The UETR is a universally unique identifier which is generated by the initiating party of a payment transaction.
T	This field displays the UETR of the original message that the message currently displayed refers to.
U	This field displays the transaction reference of the batch message from an ancillary system that contained the cash transfer order.
V	This field displays the earliest time at which CLM can submit the cash transfer to settlement.
W	This field displays the latest time at which CLM can submit the cash transfer to settlement.
X	This field displays the date and time at which CLM settled the cash transfer order.
Y	This field displays the date and time at which CLM created the cash transfer order from the message or at which the user entered the cash transfer order.
Z	This field displays the BIC of the party that holds the debit account when the cash transfer order is an AS transfer order.
AA	This field displays the BIC of the party that holds the credit account when the cash transfer order is an AS transfer order.
AB	This field displays the BIC of the AS counterpart when the cash transfer order is an AS transfer order.
AC	This field displays the ancillary system procedure for which the ancillary system submitted when the cash transfer order is an AS transfer order.

Label	Field Description
AD	This field displays the BIC of the ancillary system when the cash transfer order is an AS transfer order.
AE	This field displays the central bank with which the ancillary system holds its cash accounts when the cash transfer order is an AS transfer order.

TABLE 5 – CASH TRANSFER ORDERS – DETAILS SCREEN FIELD DESCRIPTIONS

4.2 FILES

CLM provides the user with the possibility to query files that CLM has received for processing.

4.2.1 FILES – QUERY SCREEN

The *Files Query* screen allows a user to enter selection criteria to retrieve information about the files that RTGS processed.

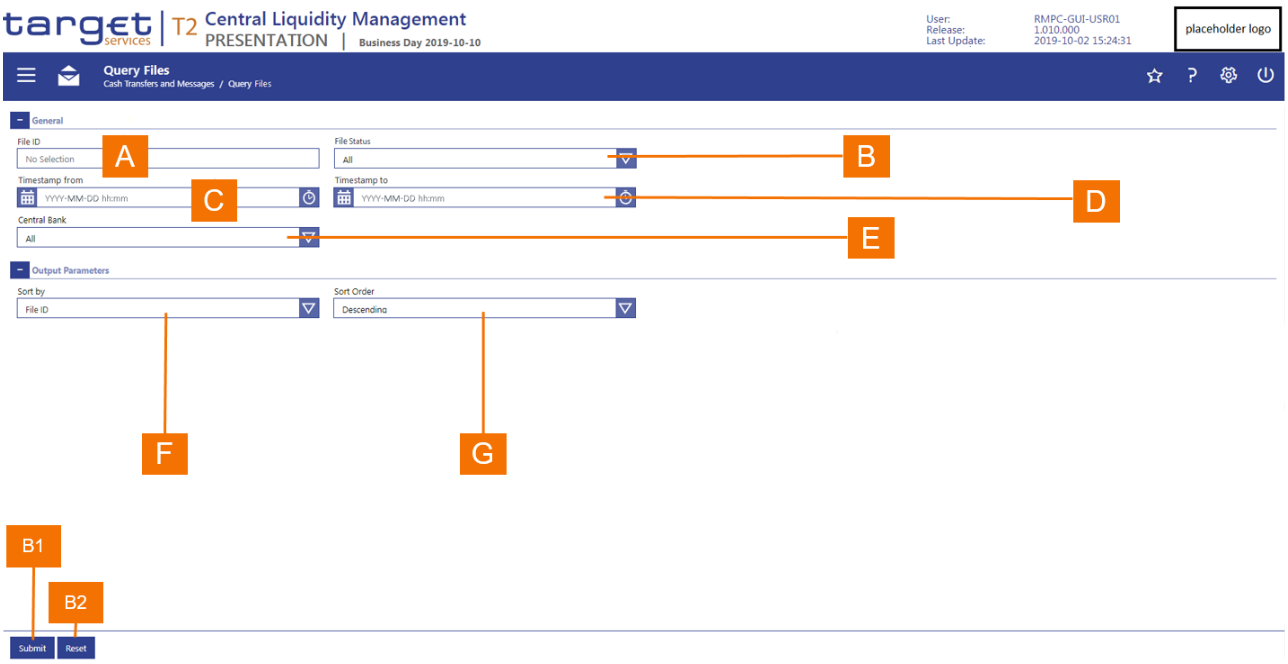


FIGURE 12 – FILES – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter the unique file identification to display the file.

Label	Field Description
B	This field allows the user to enter the file status.
C	This field allows the user to enter the time of the calendar day from which the file was received. The date in this field is set to calendar day on which the new business day in RTGS opened.
D	This field allows the user to enter the time of the calendar day to which the file was received. The date in this field is set to the current calendar day and time.
E	This field allows the user of the operator to select a central bank that received a file.
F	This field allows the user to enter the attribute by which CLM is to sort the file list.
G	This field allows the user to specify whether CLM should sort the list in ascending or descending order.

Table 6 – Files – Query Screen field descriptions

Label	Button Description
B1	The *Submit* button allows the user to execute the search of the messages based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

Table 7 – Files – Query Screen button descriptions

4.2.2 Files – List Screen

The *Files List* screen displays the files that fulfil the selection criteria that the user entered in the *Files Query* screen.

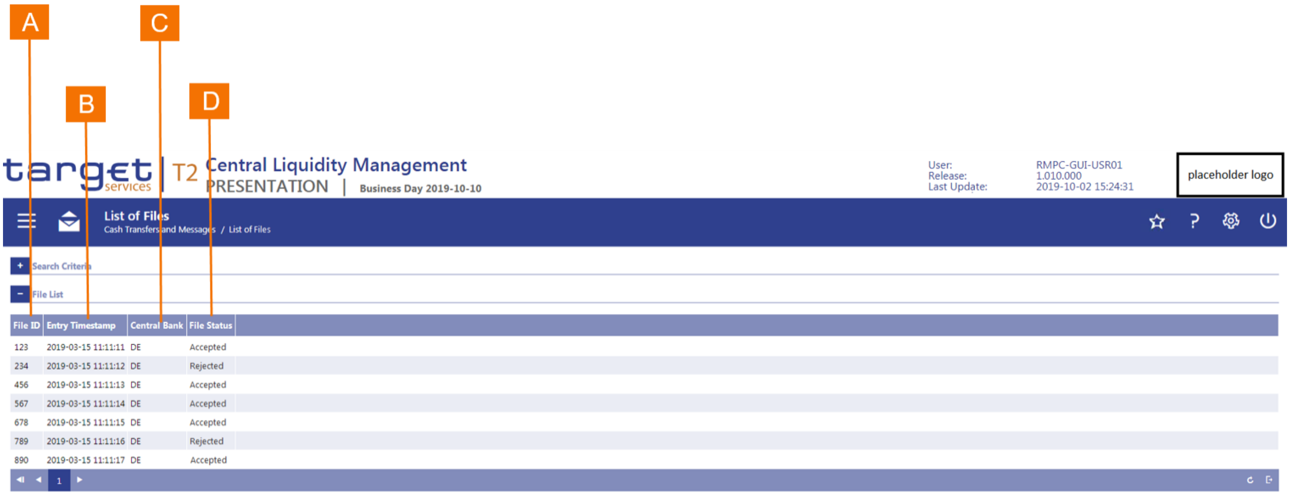


FIGURE 13 – FILES – LIST SCREEN

Label	Field Description
A	This column displays the file identifier.
B	This column documents the date and time at which the file was received.
C	This column documents the central bank to which the sender submitted the file.
D	This column documents the status of the file.

TABLE 8 – FILES – LIST SCREEN FIELD DESCRIPTIONS

By selecting a file in the list, the user can display the content of the file.

4.2.3 FILES – DETAILS SCREEN

The *Files Details* screen displays the content of the file.

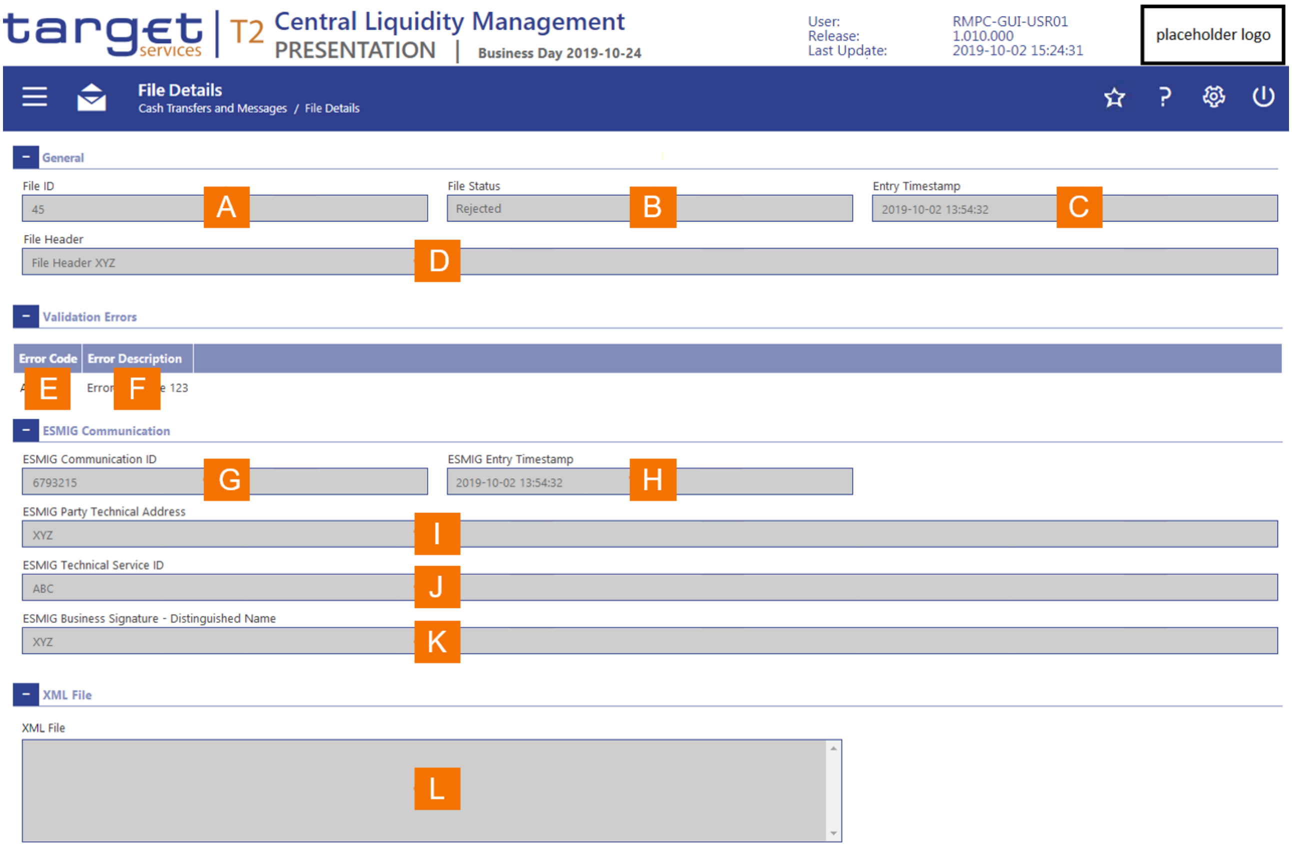


FIGURE 14 – FILES – DETAILS SCREEN

Label	Field Description
A	This field displays the file identifier.
B	This field displays the processing status of the file.
C	This field displays the date and time at which the file was received.
D	This field displays the business file header.
E	This column displays the applicable errors codes if the file was rejected.
F	This column displays the applicable errors descriptions if the file was rejected.
G	This field displays the internal identifier of the ESMIG communication.
H	This field displays the entry timestamp of the ESMIG communication.
I	This field displays the party technical address contained in the ESMIG communication.

Label	Field Description
J	This field displays the technical identification of the service contained in the ESMIG communication.
K	This field displays the business signature contained in the ESMIG communication.
L	This field displays the file as it was received as an XML message. The content of the field may be copied via the standard copy-and-paste-function.

TABLE 9 – FILES – DETAILS SCREEN FIELD DESCRIPTIONS

The divider that documents errors only appears when the file was rejected owing to validation errors.

4.2.4 FILES – UPLOAD SCREEN

The *Files Upload* screen allows a user in contingency situations to access the local file management system to load an XML file with cash transfer orders into CLM. The file can contain one or more cash transfer orders as XML messages.

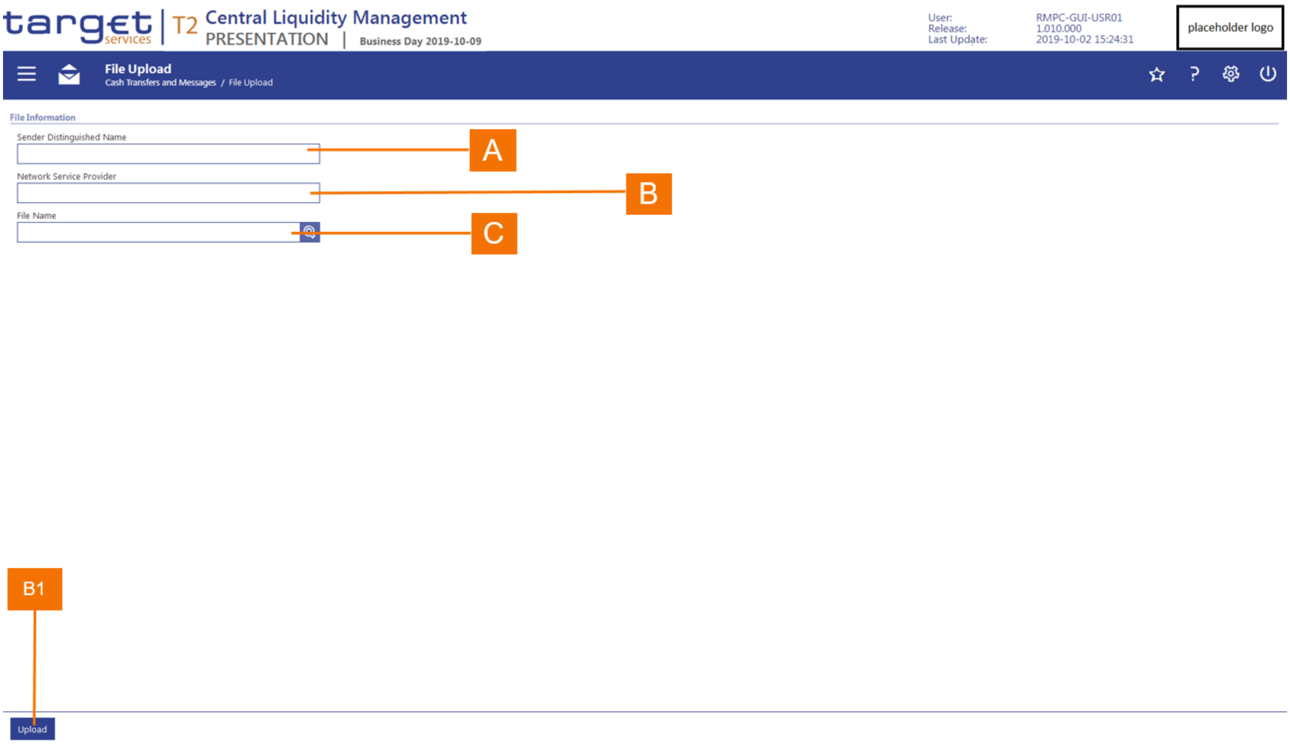


FIGURE 15 – FILES – UPLOAD SCREEN

Label	Field Description

Label	Field Description
A	This field requires the user to enter the distinguished name of the sender in order to process the file.
B	This field requires the user to enter the network service provider that the application requires to process the file.
C	This smart select box allows the user to enter that the user wants to upload into CLM. When the user clicks on the magnifying glass, then the file explorer opens so that the user can select a file from the local file management system.

TABLE 10 – FILES – UPLOAD SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Upload* button allows the user to execute the upload of a file. When the user clicks on the *Upload* button, a pop-up box is displayed that requests the user to confirm or cancel the upload. If the user clicks on the *Cancel* button in the pop-up, then the *File Upload* screen reappears with the already entered information. If the user clicks on the *Confirm* button, then CLM executes the upload, or an error notification appears and returns the user to the *File Upload* screen in its original default settings.

TABLE 11 – FILES – UPLOAD SCREEN BUTTON DESCRIPTIONS

4.3 MESSAGES

CLM provides a single screen to query both inbound and outbound messages

4.3.1 MESSAGES – QUERY SCREEN

The *Messages Query* screen allows a user to enter, search for and subsequently list messages that fulfil the user’s selection criteria.

FIGURE 16 – MESSAGES – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter a message identifier in order to display the corresponding message directly.
B	This field allows the user to enter a clearing system reference.
C	This field allows the user to enter a unique identifier of the business transaction.
D	This field allows the user to enter the UETR of the message. The UETR is a universally unique identifier which is generated by the initiating party of a payment transaction.
E	This field allows the user to enter the UETR of the original message which the message currently queried refers to.
F	This field allows the user to enter the time of the calendar day from which CLM is to list the messages. The timestamp refers to the entry time in ESMIG for incoming messages and to the creation time in CLM for outgoing messages.
G	This field allows the user to enter the time of the calendar day to which CLM is to list the messages. The timestamp refers to the entry time in ESMIG for incoming messages and to the creation time in CLM for outgoing messages.

Label	Field Description
H	This field allows the user to enter the message direction. Valid values are l Inbound l Outbound
I	This field allows the user to select one or more values for the origin or destination of the message. It specifies for incoming messages the message origin and for outgoing messages the message destination. Valid values are l External party l T2S l TIPS l CLM l RTGS
J	This field allows the user to select one or more values for the message type. For possible values see section '12 List of messages' in the CLM UDFS.
K	This field allows the user to select one or more values for the message status. Valid values are l Accepted l Rejected l Provided
L	This field allows the user to select one or more values for the country code of the sending central bank.
M	This field allows the user to select one or more values for the country code of the receiving central bank.
N	This field allows the user to enter the BIC of the sender of the message.
O	This field allows the user to enter the BIC of the receiver of the message.
P	This field allows the user to enter the attribute by which CLM is to sort the message list.
Q	This field allows the user to specify whether CLM should sort the list in ascending or descending order. Default value: 'Ascending'

Table 12 – Messages – Query Screen field descriptions

Label	Button Description
B1	The *Submit* button allows the user to execute the search of the messages based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 13 – MESSAGES – QUERY SCREEN BUTTON DESCRIPTIONS

4.3.2 MESSAGES – LIST SCREEN

The *Messages List* screen displays all the messages that fulfil the selection criteria that the user entered in the *Messages Query* screen. The user can also query and display the general ledger file via the Messages Query screen as the general ledger file is an XML file. Applying Ctrl+F allows the user to search for a specific text.

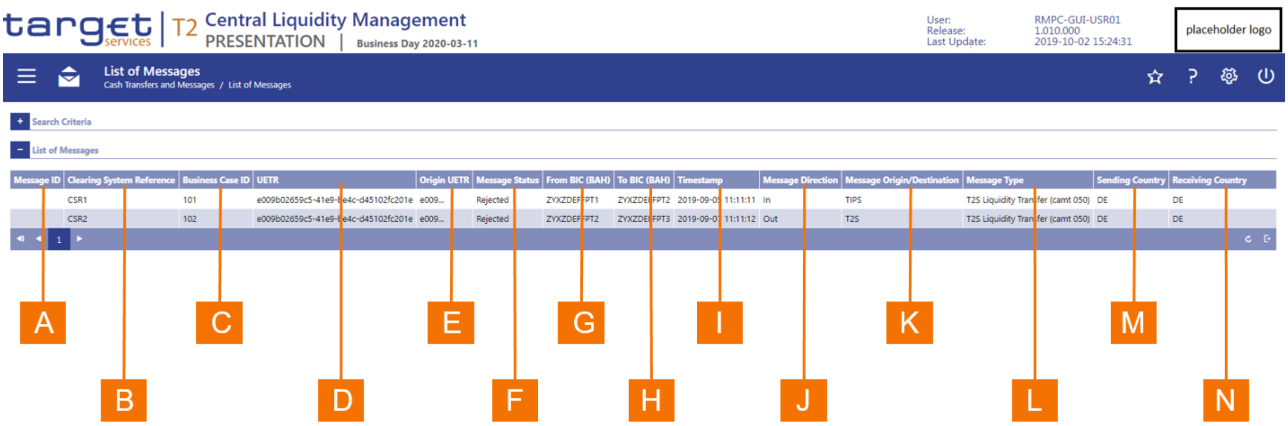


FIGURE 17 – MESSAGES – LIST SCREEN

Label	Field Description
A	This column displays the message identifier.
B	This column displays the clearing system reference. In outgoing messages, CLM provides a booking reference in this column.
C	This column displays the unique identifier of the business case.
D	This column displays the UETR of the message. The UETR is a universally unique identifier which is generated by the initiating party of a payment transaction.

Label	Field Description
E	This column displays the UETR of the original message which the message currently shown refers to.
F	This column displays the status of the message.
G	This column displays the BIC of the sender of the message.
H	This column displays the BIC of the receiver of the message.
I	This column displays the timestamp of the message. The timestamp refers to the entry time in ESMIG for incoming messages and to the creation time in CLM for outgoing messages.
J	This column displays whether the message is an outbound message or an inbound message.
K	This column displays the message origin for an inbound message and the message destination for an outbound message.
L	This column displays the message type of the message.
M	This column displays the country code of the sending central bank.
N	This column displays the country code of the receiving central bank.

Table 14 – Messages – List Screen field descriptions

When positioning the cursor over an entry in the list and clicking the right mouse button, the user has the possibility through a context menu

- to display the detailed content of the message;
- to display the business transaction that was generated from the message.
- to display the list of cash transfers restricted to the clearing system reference of the selected message.

4.3.3 Messages – Details screen

The *Message Details* screen displays the content of the message and the fields documenting the processing of the message.

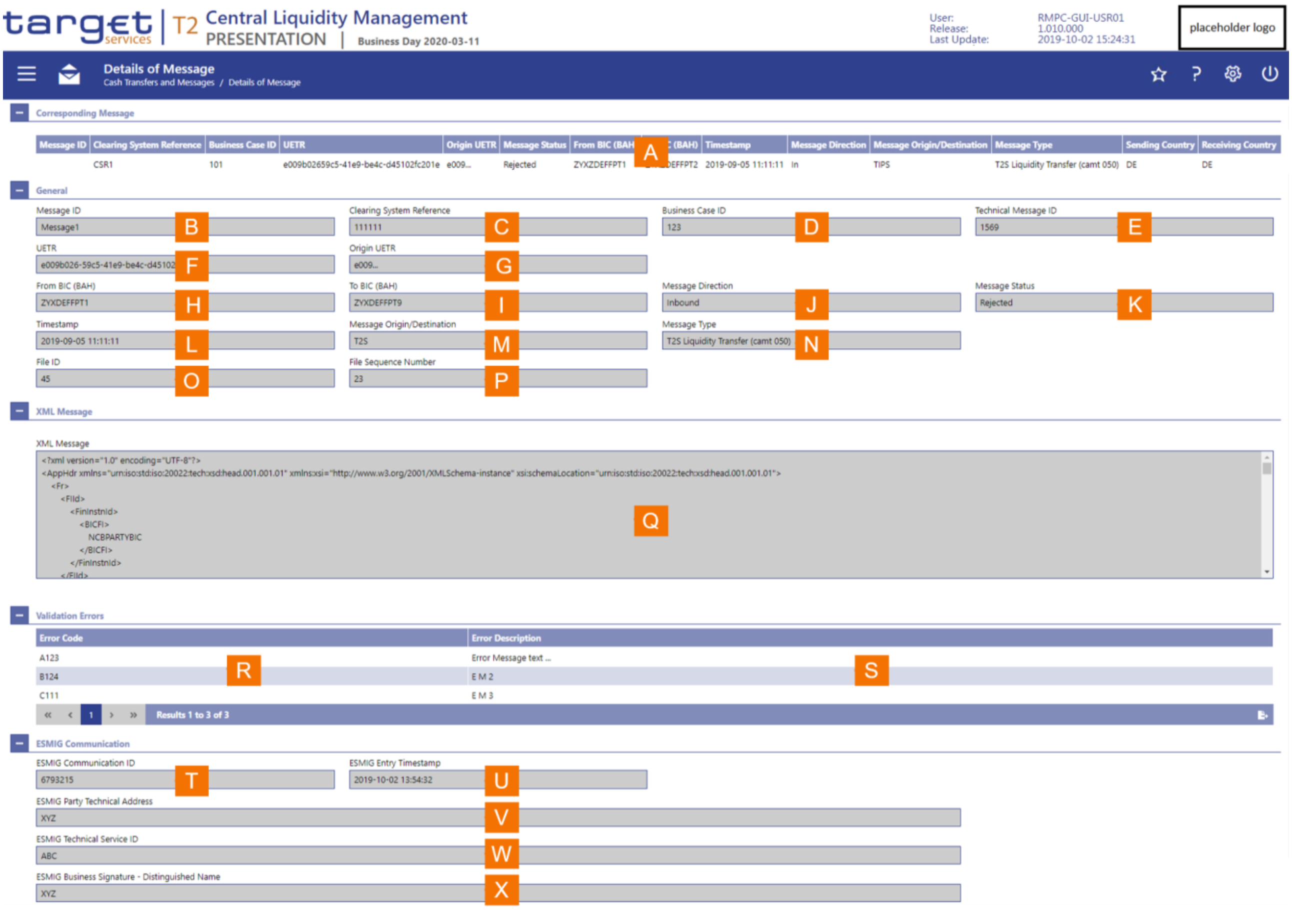


FIGURE 18 – MESSAGES – DETAILS SCREEN

Label	Field Description
A	This field displays the corresponding message for which the details were selected.
B	This field displays the message ID contained in the business application header.
C	This field displays the clearing system reference. In outgoing messages, CLM provides a booking reference in this column.
D	This field displays the unique identifier of the business case.
E	This field displays the unique technical identifier that the application assigned to the message, i.e. the CLM internal identifier that CLM assigns to the message.
F	This field displays the UETR of the message. The UETR is a universally unique identifier which is generated by the initiating party of a payment transaction.

Label	Field Description
G	This field displays the UETR of the original message which the message currently queried refers to.
H	This field displays the BIC of the sender of the message.
I	This field displays the BIC of the receiver of the message.
J	This field displays whether the message is an inbound message or an outbound message.
K	This field displays the status of the message.
L	This field displays the date and time of the message validation. This column contains a value for incoming messages only.
M	This field displays the origin of an inbound message or the destination of an outbound message respectively.
N	This field displays message type of the message as a long name combined with the ISO message code.
O	This field displays the identifier of the file in which the message was contained when the message was included in a file.
P	If the message was contained in a file, then this field displays the position of the message in a file in which the message was contained when the message was included in a file.
Q	This field displays the message in its XML format as CLM received it or created it. The content of the field may be copied via the standard copy-and-paste-function.
R	This field displays the error code(s) resulting from the validation and processing of the message.
S	This column displays the error description that corresponds to the error code that the list displays.
T	This field displays the internal identifier of the message for the ESMIG communication.
U	This field displays the entry timestamp of the message in ESMIG.
V	This field displays the technical address of the sending or receiving party.
W	This field displays the technical service identification of the network service contained in the ESMIG communication.
X	This field displays the distinguished name of the party contained in the ESMIG communication.

Table 15 – Messages – Details Screen field descriptions

The divider that documents errors only appears when the message was rejected owing to validation errors.

4.4 Business Cases

A business case documents the end-to-end processing life cycle of a transactional event from the inbound message to its final state. The *Business Cases Query Screen* and the *Business Cases List Screen* cover the requirement of a business life cycle query mentioned in the CLM UDFS.

4.4.1 Business Cases – Query Screen

The *Business Cases Query Screen* allows the user to query all businesses cases and their status for the current business day.

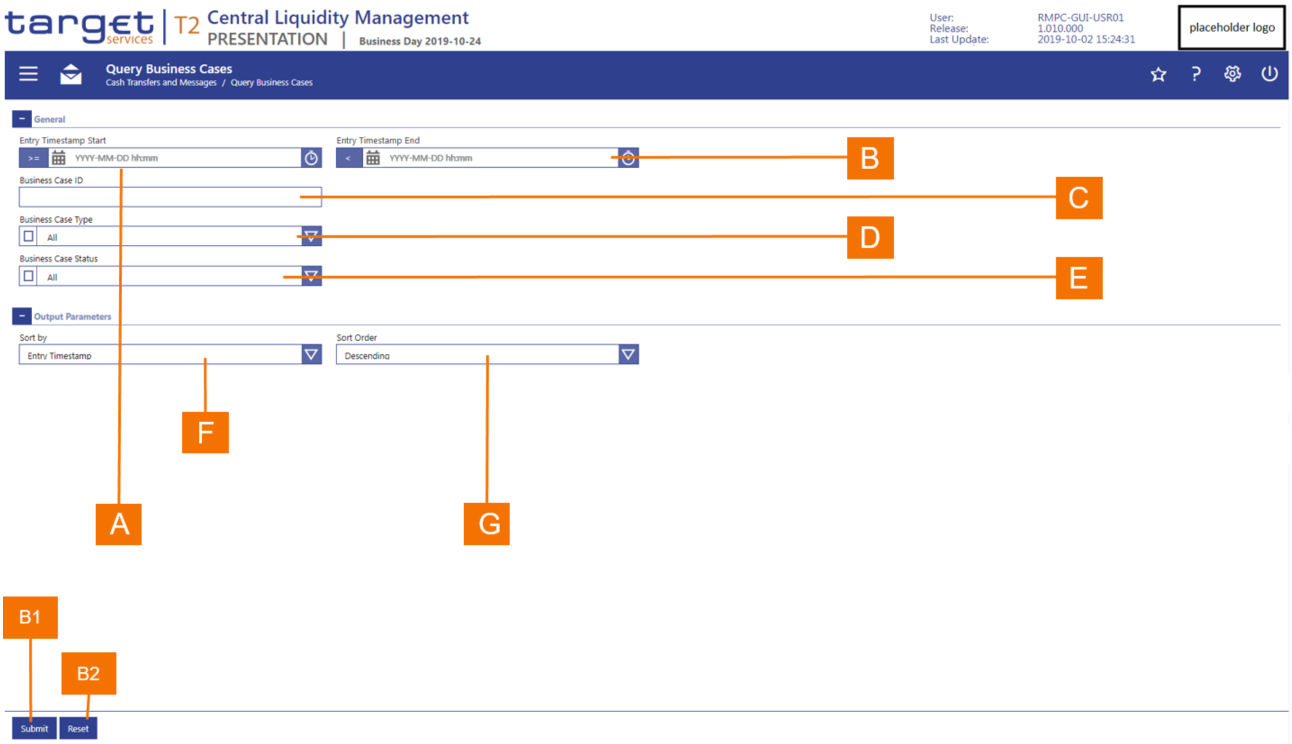


Figure 19 – Business Cases – Query Screen

Label	Field Description
A	This field allows the user to enter the date and time of the calendar day from which the business case was created initially through an inbound message or user-to-application input. The date in this field is set as default value to calendar day on which the new business day in CLM opened.

Label	Field Description
B	This field allows the user to enter the date and time of the calendar day to which the business case was created initially through an inbound message or user-to-application input. The date in this field is set as a default value to the current calendar day.
C	This field allows the user to enter the unique identifier of the business case.
D	This field allows the user to select one or more business case types.
E	This field allows the user to select one or more processing statuses for a business case.
F	This field allows the user to determine the sort order of the results list.
G	This field allows the user to specify whether the results list should be sorted in ascending or descending order.

Table 16 – Business Cases – Query Screen field descriptions

Label	Button Description
B1	The *Submit* button allows the user to execute the query.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

Table 17 – Business Cases – Query Screen button descriptions

4.4.2 Business Cases – List Screen

The *Business Cases List Screen* displays all the business cases that fulfil the selection criteria that the user entered in the query screen.

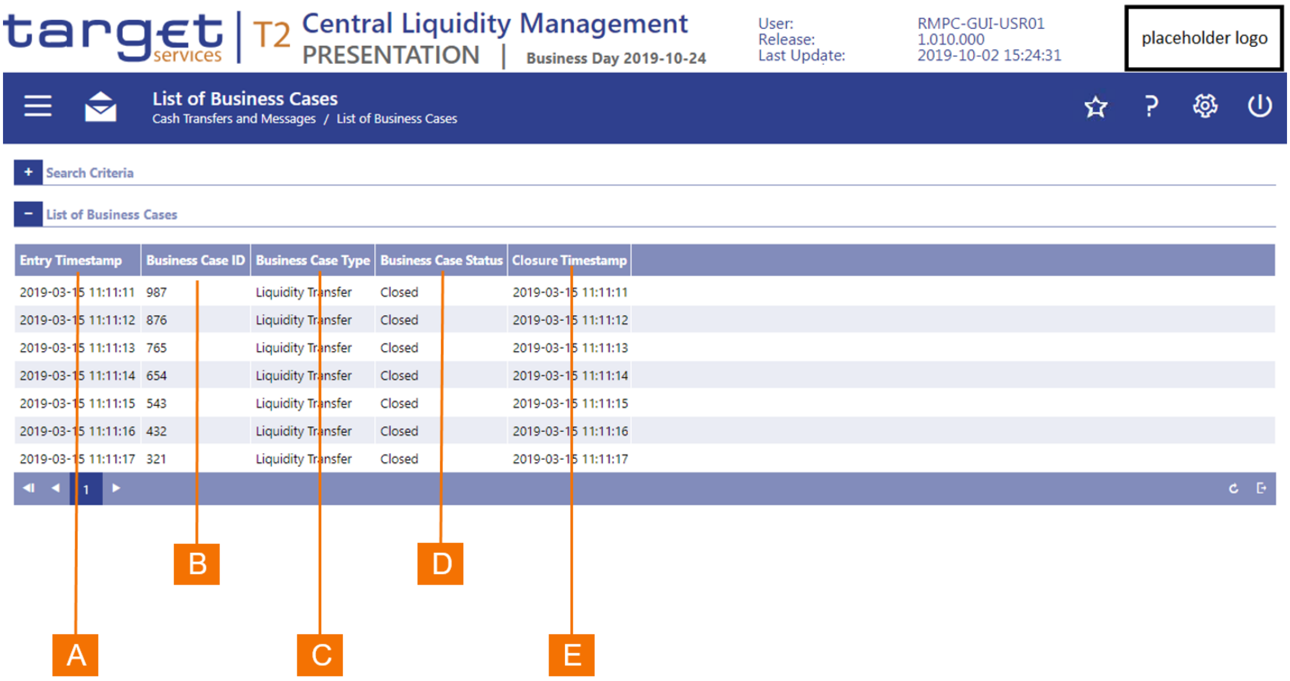


Figure 20 – Business Cases – List Screen

Label	Field Description
A	This column displays the time as of which the business case was created initially through an inbound message or user-to-application input.
B	This column displays the unique identifier of the business case.
C	This column displays the type of business case.
D	This column displays the current processing status of the business case.
E	This column displays the timestamp as of which the business case was updated to its current processing status.

Table 18 – Business Cases – List Screen field descriptions

4.5 Account Postings

CLM provides the user with the possibility to view the postings on the cash accounts to which the user has the necessary access rights.

4.5.1 Account Postings – Query Screen

The *Account Postings Query Screen* allows a user to enter a cash account and the period for which CLM is to list the account postings.

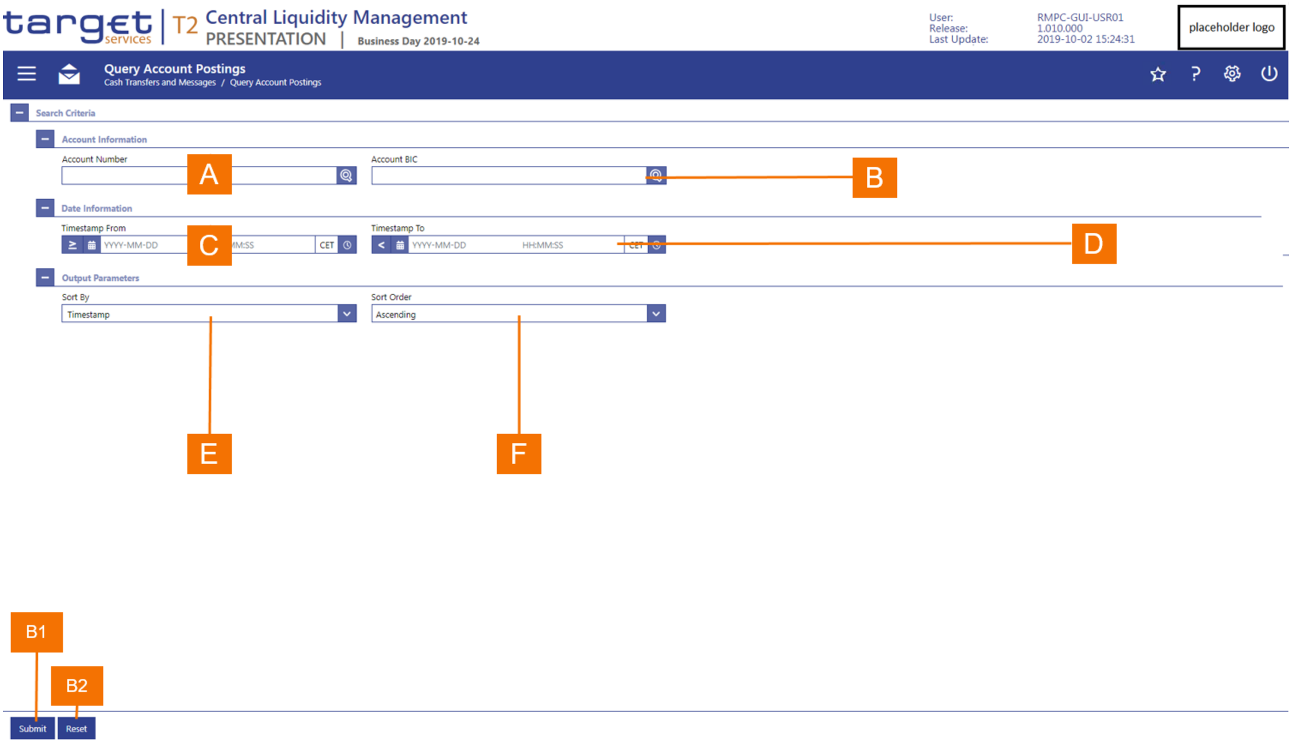


Figure 21 – Account Postings – Query Screen

Label	Field Description
A	This field allows the user to enter the account number for which CLM is to list the account postings when the user has access to more than one CLM MCA. This field is read-only and displays the default CLM MCA when the user has access to exactly one account.
B	When existing as an alternate identifier for a cash account, this field allows the user to enter the BIC of the cash account for which CLM is to display the postings. This field is read-only and displays the default CLM MCA when the user has access to exactly one account.
C	This field allows the user to enter the date and time of the calendar day from which CLM is to list the account postings. The date in this field is set as a default value to calendar day on which the new business day in CLM opened.
D	This field allows the user to enter the date and time of the calendar day to which CLM is to list the account postings. The date in this field is set as a default value to the current calendar day.

Label	Field Description
E	This field allows the user to select the attribute by which CLM is to sort the account postings list.
F	This field allows the user to specify whether CLM should sort the list in ascending or descending order.

TABLE 19 – ACCOUNT POSTINGS – QUERY SCREEN FIELD DESCRIPTIONS

The *Query Account Postings Screen* is subject to a specific validation and processing logic.

- The fields *Account BIC* and *Account Number* appear filled in with the Default MCA.
- The fields *Account BIC* and *Account Number* appear as read-only if the user has access to only one CLM account.
- As the *Account BIC* and *Account Number* are mutually exclusive, the *Account BIC* field appears as read-only when the user starts to enter an *Account BIC* and the *Account Number* field appears as read-only when the user starts to enter an *Account BIC*.
- The default value for the date in the *Time from* field is the calendar day and the time on which the business day opened.
- The default value for the date in the *Time from* field is the current calendar day. If the user does not enter a time in this field, then CLM lists all account postings that exist up to the time that CLM queries the postings.

Label	Button Description
B1	The *Submit* button allows the user to execute the retrieval of the account postings based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 20 – ACCOUNT POSTINGS – QUERY SCREEN BUTTON DESCRIPTIONS

The *Account Postings Query Screen* is subject to a specific validation and processing logic.

- The fields *Account BIC* and *Account Number* appear filled-in and as read-only if a user is set-up under a party BIC that holds only one CLM MCA.
- As the *Account BIC* and *Account Number* are mutually exclusive, the *Account BIC* field appears as read-only when the user starts to enter an *Account BIC* and the *Account Number* field appears as read-only when the user starts to enter an *Account BIC*.

4.5.2 Account Postings – List Screen

The *Account Postings List Screen* displays the account postings, according to the criteria entered by the user in the *Query Account Postings Screen*.

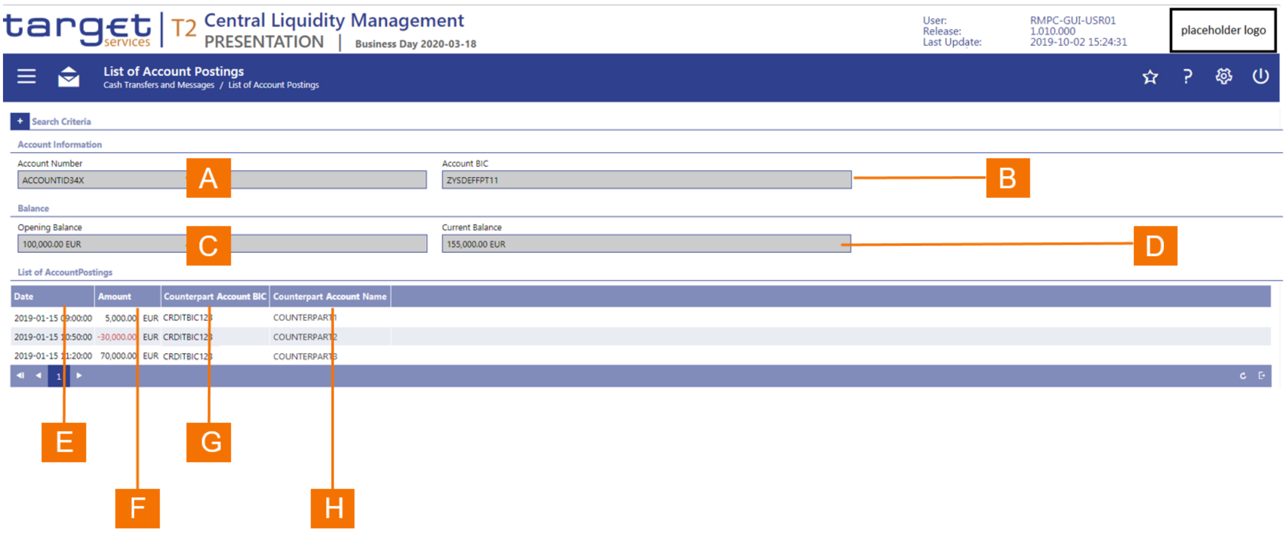


Figure 22 – Account Postings – List screen

Label	Field Description
A	This field displays the cash account number for which the list displays the account postings.
B	When existing as an alternate identifier for a cash account, this field displays the BIC that identifies the cash account.
C	This field displays the opening balance of the cash account at the start of the business day.
D	This field displays the current balance of the cash account.
E	This column displays the date and time that CLM undertook the posting of the cash transfer order.
F	This column displays the amount CLM posted for the cash transfer order.
G	This column displays the BIC of the counterpart to the posted cash transfer order.
H	This column displays the counterpart name to the posted cash transfer order.

Table 21 – Account Postings – List Screen field descriptions

By selecting a posting in the list, the user can display the details of the underlying cash transfer order.

4.6 STATEMENT OF ACCOUNT – QUERY SCREEN

The *Statement of Account Query Screen* allows a user to enter a main cash account and to select one or more business days in order to download statements of account.

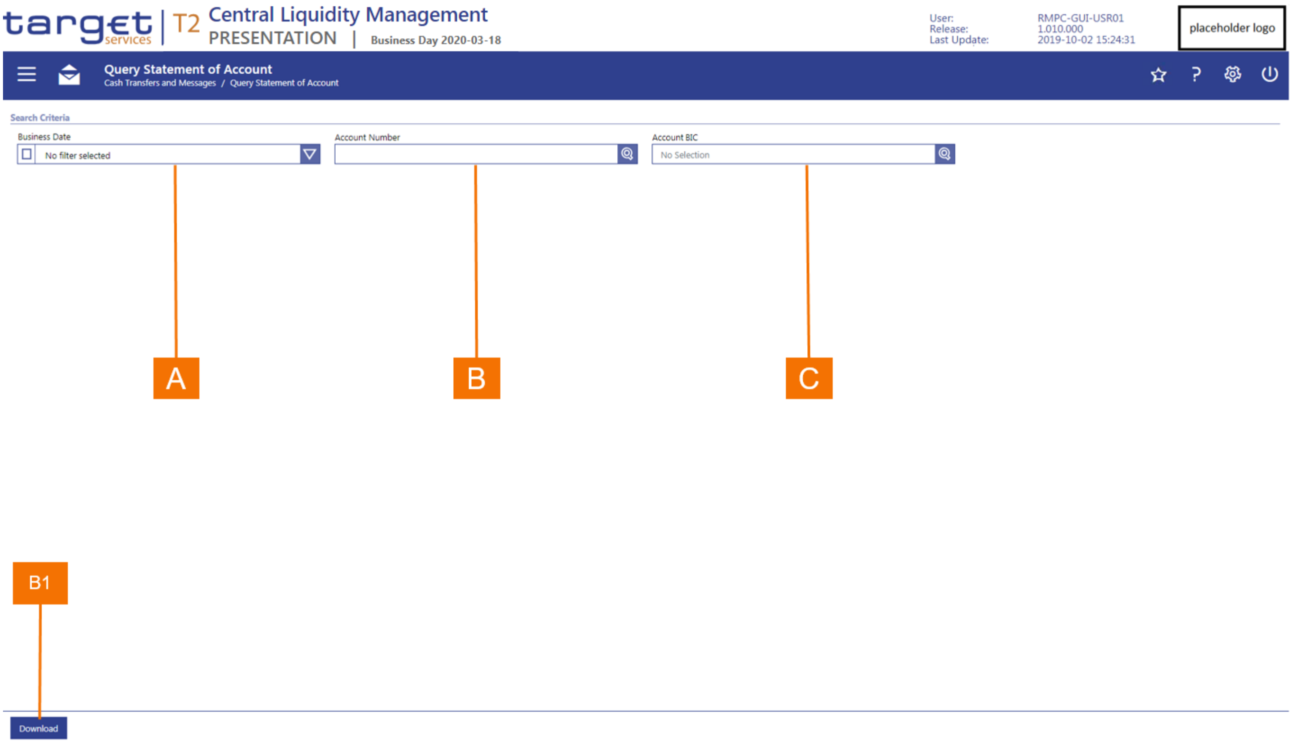


FIGURE 23 – STATEMENT OF ACCOUNT – QUERY SCREEN

Label	Field Description
A	This list box allows the user to select the date for which RTGS is to download the statement of account.
B	This field allows the user to enter an account number for which CLM is to download the statement of account.
C	When existing as an alternate identifier for a cash account, this field allows the user to enter the BIC of the cash account for which RTGS is to download the statement of account.

TABLE 22 – STATEMENT OF ACCOUNT – QUERY SCREEN FIELD DESCRIPTIONS

The *Statement of Account Query Screen* is subject to a specific validation and processing logic.

- The fields *Account BIC* and *Account Number* appear filled-in and as read-only if a user is set-up under a party BIC that holds only one CLM MCA.

- As the *Account BIC* and *Account Number* are mutually exclusive, the *Account BIC* field appears as read-only when the user starts to enter an *Account BIC* and the *Account Number* field appears as read-only when the user starts to enter an *Account BIC*.

Label	Button Description
B1	The *Download* button allows the user to execute the download of statements of account. When the user clicks on the *Download* button, a pop-up box is displayed that requests the user to confirm or cancel the download. If the user clicks on the *Cancel* button in the pop-up, then the *Statement of Account Query* screen reappears with the already entered information. If the user clicks on the *Confirm* button, then CLM executes the download or an error message appears and returns the user to the *Statement of Account Query* screen in its original default settings.

TABLE 23 – STATEMENT OF ACCOUNT – QUERY SCREEN BUTTON DESCRIPTIONS

4.7 NEW FINANCIAL INSTITUTION CREDIT TRANSFER

CLM provides the Central Bank user with the possibility to enter a financial institution credit transfer.

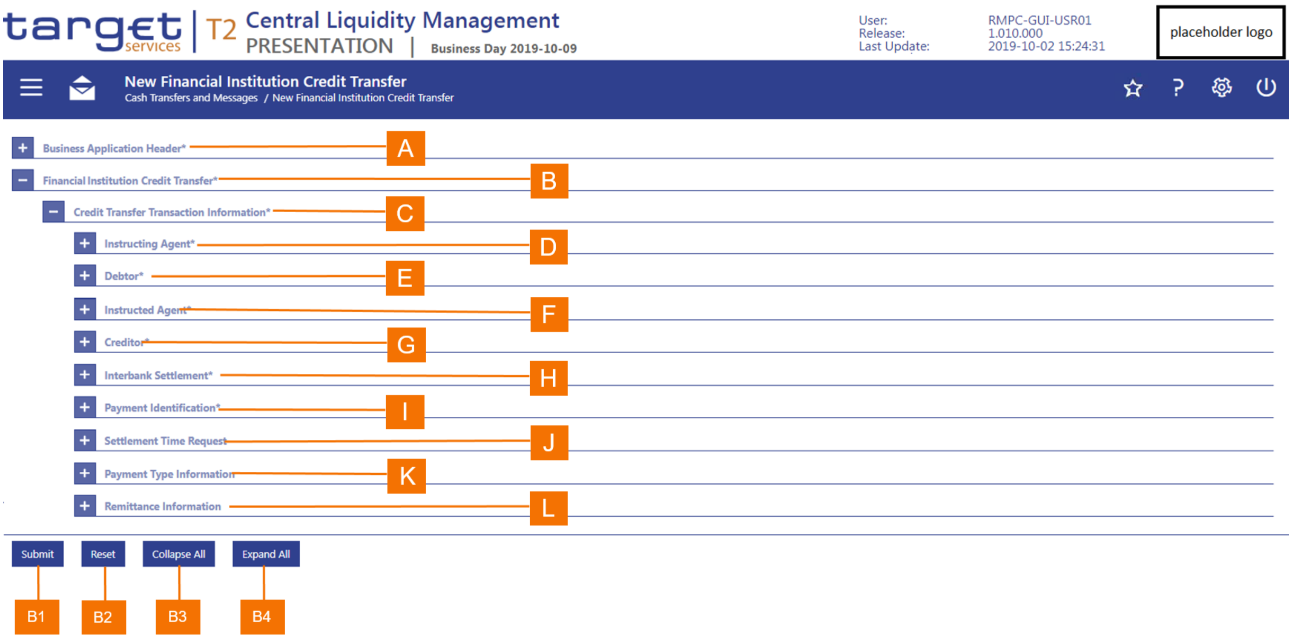


FIGURE 24 – NEW FINANCIAL INSTITUTION CREDIT TRANSFER – INITIAL SCREEN

Label	Field Description
A	This divider contains all the fields that a user can enter pertaining to the business application header of the financial institution credit transfer.
B	This divider contains all the dividers for the input of a financial institution credit transfer.

Label	Field Description
C	This divider contains all the dividers for the input of a financial institution credit transfer.
D	This divider contains all fields that a user can enter pertaining to the instructing agent of a financial institution credit transfer.
E	This divider contains all fields that a user can enter information pertaining to the debtor of a financial institution credit transfer.
F	This divider contains all fields that a user can enter pertaining to the instructed agent of a financial institution credit transfer.
G	This divider contains all fields that a user can enter pertaining to the creditor of a financial institution credit transfer.
H	This divider contains all fields that a user can enter pertaining to the interbank settlement of a financial institution credit transfer.
I	This divider contains all fields that a user can enter pertaining to the identification of a financial institution credit transfer.
J	This divider contains all fields that a user can enter pertaining to the settlement time request of a financial institution credit transfer.
K	This divider contains all fields that a user can enter pertaining to payment type of a financial institution credit transfer.
L	This divider contains all fields that a user can enter pertaining to remittance information for a financial institution credit transfer.

TABLE 24 – NEW FINANCIAL INSTITUTION CREDIT TRANSFER – INITIAL SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to send the new financial institution credit transfer for processing in RTGS.
B2	The *Reset* button allows the user to terminate the input of the new financial institution credit transfer by setting all input fields to their original setting.
B3	The *Collapse All* button allows the user to close all dividers so that no input fields appear.
B4	The *Expand All* button allows the user to open all dividers so that all input fields in every divider appear.

TABLE 25 – NEW FINANCIAL INSTITUTION CREDIT TRANSFER – INITIAL SCREEN BUTTON DESCRIPTIONS

The *New Financial Institution Credit Transfer* screen is subject to a specific processing logic.

When the user executes the submit or reset button, then a pop-up appears that requests the user to confirm or cancel the input of the financial institution credit transfer.

- If the user clicks on the confirm button in the pop-up, then the application executes the requested operation and returns the user to a reset *New Financial Institution Credit Transfer* screen.
- If the user clicks on the *Cancel* button in the pop-up, then the *New Financial Institution Credit Transfer* screen reappears with the previously entered information.

4.7.1 Business Application Divider

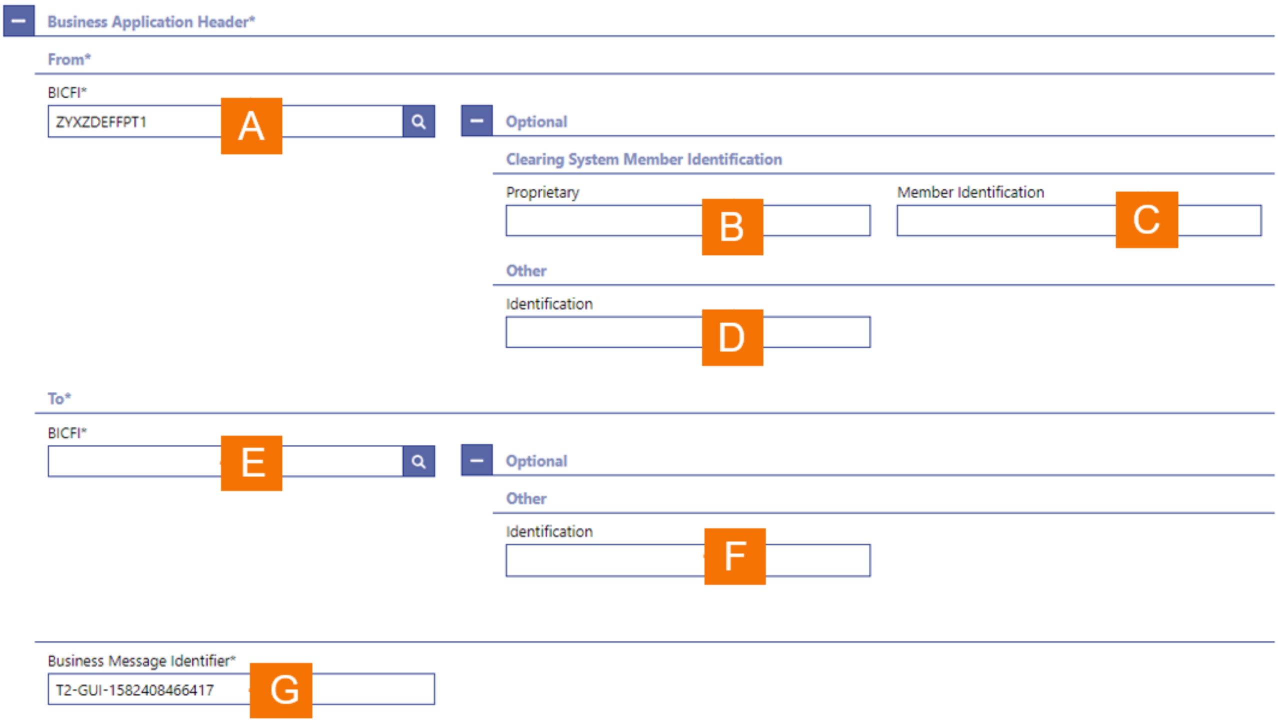


Figure 25 – Business Application Header – Divider

Label	Field Description
A	This field allows the user to enter the BIC of the sender of the message. The application propagates the sender with sender to which the user is associated.
B	This field allows the user to enter the proprietary identification of the clearing system.
C	This field allows the user to enter the proprietary identification of the clearing system member.
D	This field allows the user to enter any other form of the proprietary identification.

Label	Field Description
E	This field allows the user to enter the BIC of the receiver of the message.
F	This field allows the user to enter an optional message identification for the recipient of the message.
G	This field documents the unique message reference that CLM assigns to the financial institution credit transfer. The user may overwrite the default message reference that CLM assigned.

Table 26 – Business Application Header divider - field descriptions

4.7.2 Instructing Agent Divider

Figure 26 – Instructing Agent Divider

Label	Field Description
A	This field allows the user to enter the BIC of the instructed agent for the financial institution credit transfer.

Table 27 – Instructing Agent Divider – field descriptions

4.7.3 Debtor Divider

Figure 27 – Debtor Divider

Label	Field Description
A	This field allows the user to enter the BIC of the debtor for the financial institution credit transfer.
B	This field allows the user to enter the legal entity identifier of the debtor, as defined by ISO 17442:2012.

Table 28 – Debtor Divider – field descriptions

4.7.4 Instructed Agent Divider

Figure 28 – Instructed Agent Divider

Label	Field Description
A	This field allows the user to enter the BIC of the instructed agent for the financial institution credit transfer.

Table 29 – Instructed Agent Divider – field descriptions

4.7.5 Creditor Divider

Figure 29 – Creditor Divider

Label	Field Description
A	This field allows the user to enter the BIC of the creditor for the financial institution credit transfer.
B	This field allows the user to enter the legal entity identifier of the creditor, as defined by ISO 17442:2012.

Table 30 – Creditor Divider – field descriptions

4.7.6 Interbank Settlement Divider

Figure 30 – Interbank Settlement Divider

Label	Field Description
A	This field allows the user to enter an interbank settlement amount for the financial institution credit

Label	Field Description
	transfer, when required.
B	This field allows the user to enter the current or a future settlement date for the financial institution credit transfer

Table 31 – Interbank Settlement Divider – field descriptions

4.7.7 Payment Identification Divider

Figure 31 – Payment Identification Divider

Label	Field Description
A	This field allows the user to enter a unique reference for the financial institution credit transfer.
B	This field allows the user to enter an End-to-End identifier for the financial institution credit transfer.
C	This field allows displays the UETR. If not provided by the user, the UETR is system generated.

Table 32 – Payment Identification Divider – field descriptions

4.7.8 Settlement Time Request Divider

Figure 32 – Settlement Time Request Divider

Label	Field Description
A	This field allows the user to enter a time from which CLM should settle the financial institution credit transfer.

Label	Field Description
B	This field allows the user to enter a time at which CLM should reject the financial institution credit transfer if it has not settled.

TABLE 33 – SETTLEMENT TIME REQUEST DIVIDER – FIELD DESCRIPTIONS

4.7.9 PAYMENT TYPE INFORMATION DIVIDER AND REMITTANCE INFORMATION DIVIDER

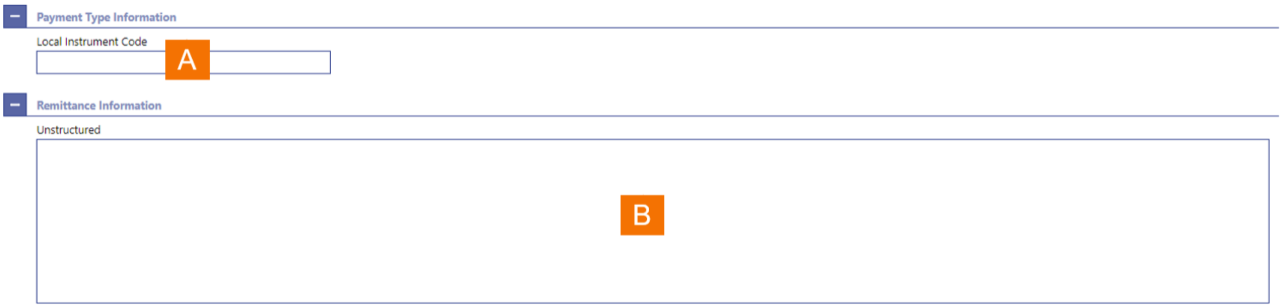


FIGURE 33 – PAYMENT TYPE INFORMATION AND REMITTANCE INFORMATION DIVIDERS

Label	Field Description
A	This field allows the user to enter a local instrument code, e.g. CONP or a bilaterally agreed code word entered by a Central bank in regards of Central Bank Operations.
B	This field allows the user to enter unstructured remittance information for the financial institution credit transfer as text.

TABLE 34 – PAYMENT TYPE INFORMATION AND REMITTANCE INFORMATION DIVIDERS – FIELD DESCRIPTIONS

5 LIQUIDITY

5.1 CLM CASH ACCOUNT LIQUIDITY

This function allows an authorised user to query the liquidity for a main cash account in CLM.

5.1.1 CLM CASH ACCOUNT LIQUIDITY – QUERY SCREEN

The *CLM Cash Account Liquidity Query* screen allows a user to enter a main cash account in order to display the aggregated liquidity information.

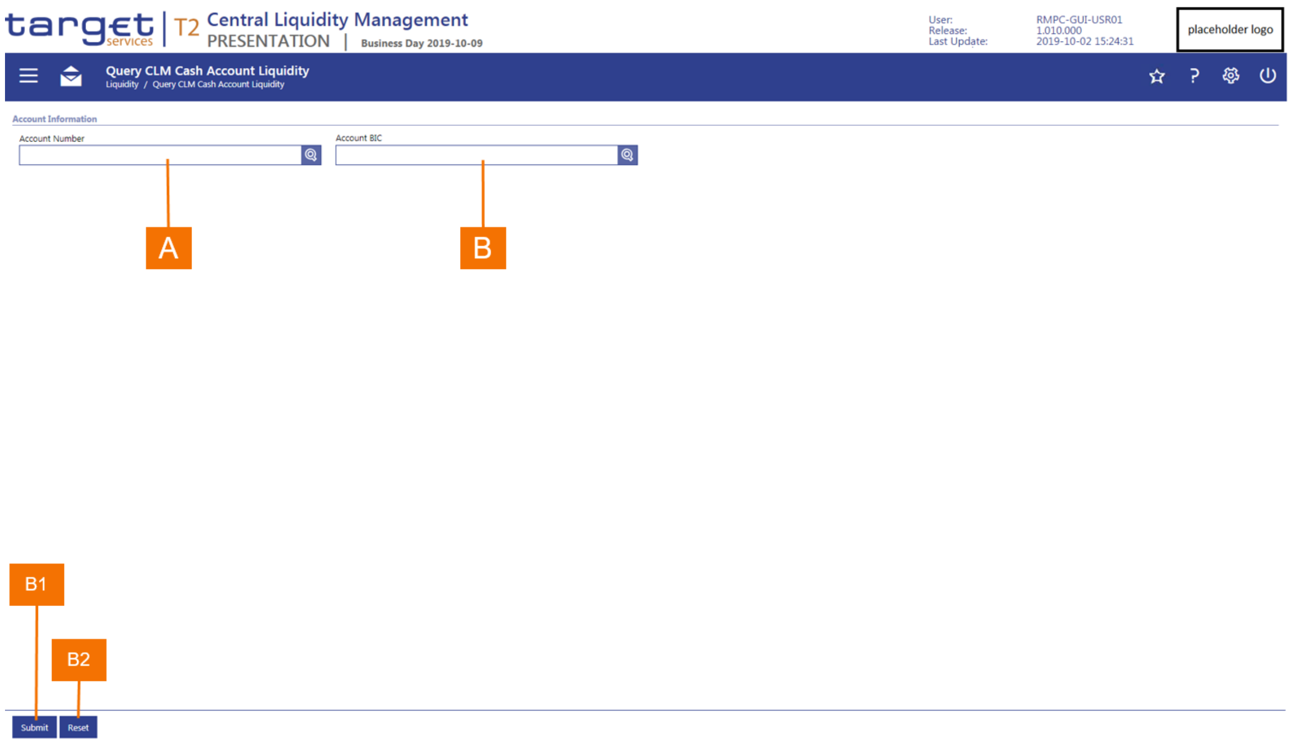


FIGURE 34 – CLM CASH ACCOUNT LIQUIDITY – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter the account number of a CLM cash account of the party for which the application is to display the liquidity details.
B	This field allows the user to enter the account BIC of a CLM cash account of the party for which the application is to display the liquidity details.

TABLE 35 – CLM CASH ACCOUNT LIQUIDITY – QUERY SCREEN FIELD DESCRIPTIONS

The *CLM Cash Account Liquidity Query* screen is subject to a specific validation and processing logic.

- The *CLM Cash Account Liquidity Display* screen appears directly if a user is set-up under a party BIC that holds only one CLM account.
- If a user is set-up under a party BIC that holds more than one CLM cash account or if the user that has access to the data of multiple parties (e.g. a central bank user), then the user has the possibility to select a CLM cash account using the *Account Number and Account BIC* field.

Label	Button Description
B1	The *Submit* button allows the user to execute the retrieval and display of the liquidity information for a CLM cash account based on the entered account number.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 36 – CLM CASH ACCOUNT LIQUIDITY – QUERY SCREEN BUTTON DESCRIPTIONS

5.1.2 CLM CASH ACCOUNT LIQUIDITY – DISPLAY SCREEN

The *CLM Cash Account Liquidity Display* screen provides aggregated balances for the CLM cash account that the user selected in the *CLM Cash Account Liquidity Query*. It also provides

- links to the detailed cash transfer orders that are included in a specific aggregation;
- a link to the function to enter a liquidity transfer order when the user has the privilege to enter liquidity transfer orders (the screen does not display the button when the user does not have the privilege).

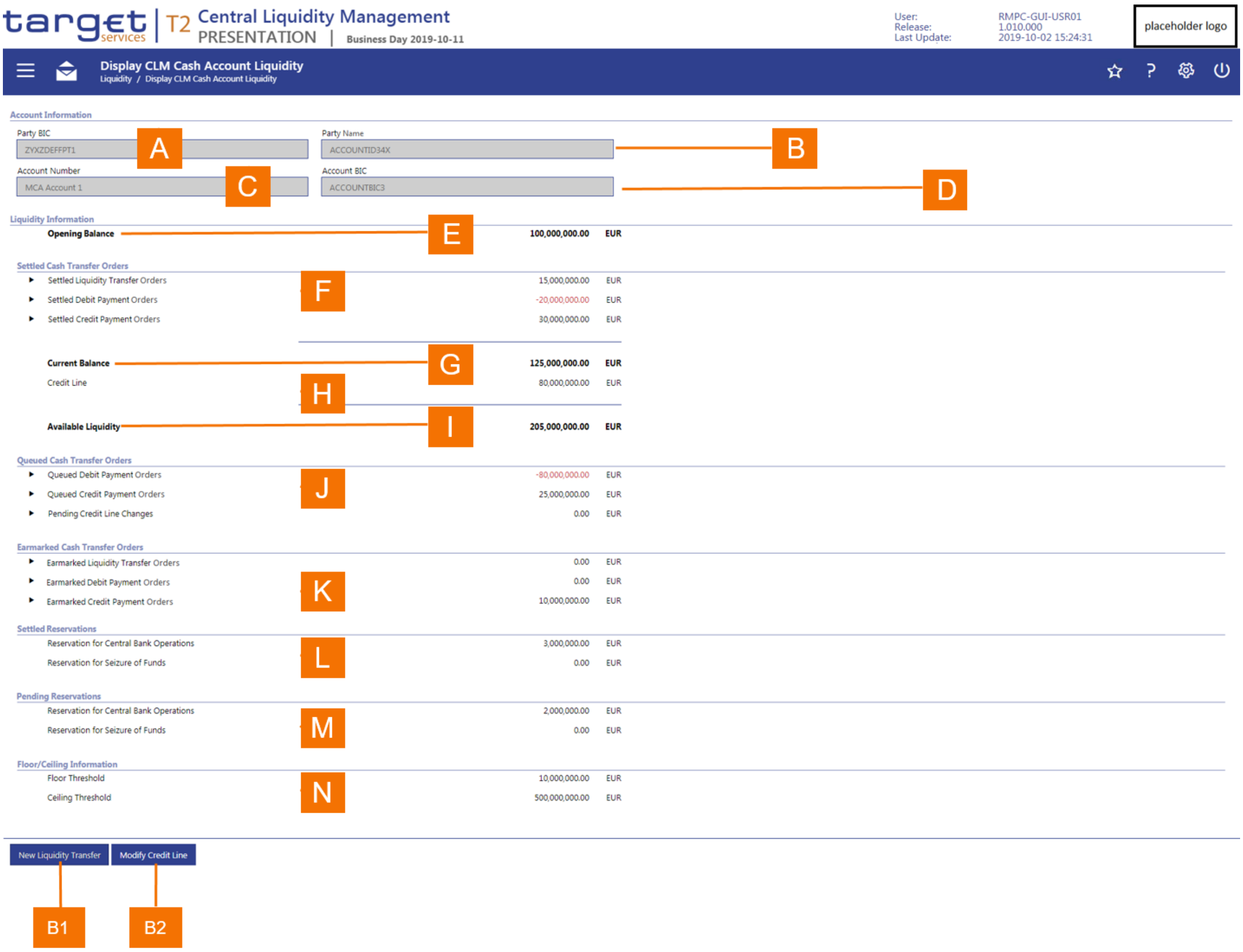


FIGURE 35 – CLM CASH ACCOUNT LIQUIDITY – DISPLAY SCREEN

Label	Field Description
A	This field displays the Party BIC of the CLM account holder.
B	This field displays the party short name of the CLM account holder.
C	This field displays the account number of the CLM cash account.
D	This field displays the BIC that is associated to the CLM cash account.
E	This line displays the amount of funds on the CLM cash account at the start of the business day.
F	This block classifies and displays the aggregated amounts for settled cash transfer orders for the CLM cash account.
G	This line of the information block displays the current balance of the selected CLM cash account.

Label	Field Description
H	This block in the liquidity overview displays the current balance of the CLM cash account, the available credit line and the available liquidity.
I	This line of the information block displays the available liquidity for the selected CLM cash account.
J	This block classifies and displays the aggregated amounts for queued cash transfer orders for the CLM cash account.
K	This block classifies and displays the aggregated amounts for earmarked cash transfer orders for the CLM cash account.
L	This block classifies and displays the aggregated amounts for settled reservations for the CLM cash account.
M	This block classifies and displays the aggregated amounts for pending reservations for the CLM cash account.
N	This block displays the floor and/or ceiling thresholds for the CLM cash account. The screen does not display this block when neither a floor nor a ceiling is defined for the CLM cash account.

TABLE 37 – CLM CASH ACCOUNT LIQUIDITY – DISPLAY SCREEN FIELD DESCRIPTIONS

The *CLM Cash Account Liquidity Display* screen is subject to a specific validation and processing logic.

- The *CLM Cash Account Liquidity Display* screen appears directly if a user is set-up under a party BIC that holds only one CLM cash account.
- The New Liquidity Transfer Order button appears when the user has the privilege to enter liquidity transfer orders. Otherwise, the button is not displayed.
- The Modify Credit Line button appears when the user has the privilege to enter the credit line (only central banks). Otherwise, the button is not displayed.

Label	Button Description
B1	The *New Liquidity Transfer Order* button links to the New Liquidity Transfer Order Screen to allow the user to enter a liquidity transfer order for the CLM cash account for which the application is displaying the liquidity.
B2	The *Modify Credit Line* button links to the Credit Line List screen to allow the user to change the credit line.

TABLE 38 – CLM CASH ACCOUNT LIQUIDITY – DISPLAY SCREEN BUTTON DESCRIPTIONS

5.1.2.1 Settled Cash Transfer Orders information block

This settled cash transfer order information block of the *CLM Cash Account Liquidity Display* screen classifies and displays the aggregated amounts for settled cash transfer orders for the CLM cash account.

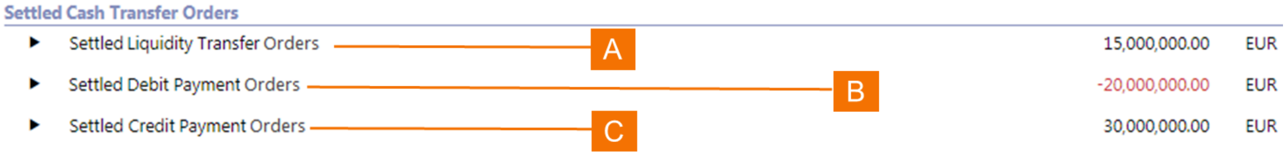


Figure 36 – Settled Cash Transfer Orders information block

Label	Field Description
A	This line of the information block provides the sum of all debit and credit liquidity transfer orders that settled on the selected CLM cash account. When the user clicks on this line in the information block, then the application displays a screen with a list of the settled liquidity transfer orders.
B	This line of the information block provides the sum of all debit payment orders that settled on the selected CLM cash account. When the user clicks on this line in the information block, then the application displays a screen with a list of the settled debit payment orders.
C	This line of the information block provides the sum of all credit payment orders that settled on the selected CLM cash account. When the user clicks on this line in the information block, then the application displays a screen with a list of the settled credit payment orders.

Table 39 – Settled Cash Transfer Orders information block field descriptions

5.1.2.2 Balance and Liquidity information block

This balance and liquidity information block of the *CLM Cash Account Liquidity Display* screen classifies and displays the current balance, credit line and available liquidity for the CLM cash account.

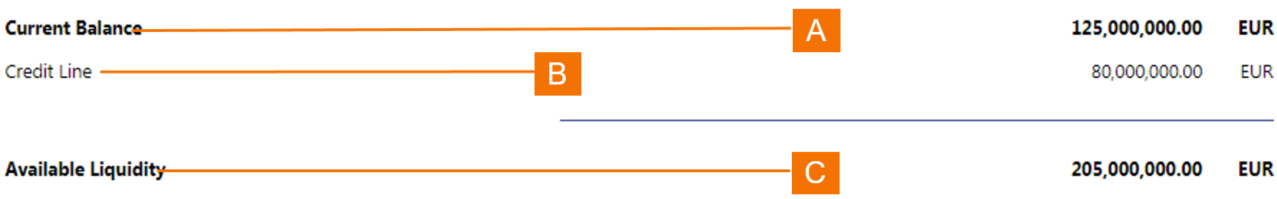


Figure 37 – Balance and Liquidity information block

Label	Field Description
A	This line of the information block displays the current balance of the selected CLM cash account.

Label	Field Description
	Current balance = Σ (Opening balance, settled liquidity transfer order total amount, settled debit payment order total amount, settled credit payment order total amount)
B	This line of the information block provides the current credit line for the selected CLM cash account.
C	This line of the information block displays the available liquidity for the selected CLM cash account. Available liquidity = Σ (Current balance, credit line, minus seizure of funds)

TABLE 40 – BALANCE AND LIQUIDITY INFORMATION BLOCK FIELD DESCRIPTIONS

5.1.2.3 QUEUED CASH TRANSFER ORDERS INFORMATION BLOCK

This queued cash transfer order information block of the *Display CLM Cash Account Liquidity Display* screen classifies and displays the aggregated amounts for queued cash transfer orders for the CLM cash account.

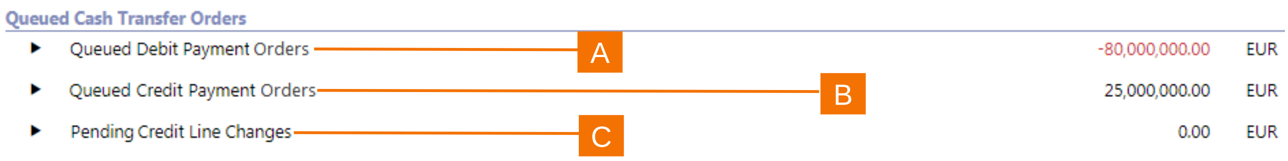


FIGURE 38 – QUEUED CASH TRANSFER ORDERS INFORMATION BLOCK

Label	Field Description
A	This line of the information block provides the sum of all debit payment orders that CLM has queued for settlement for the selected CLM cash account. When the user clicks on this line in the information block, then the application displays a screen with a list of the queued debit payment orders.
B	This line of the information block provides the sum of all credit payment orders that CLM has queued for settlement for the selected CLM cash account. When the user clicks on this line in the information block, then the application displays a screen with a list of the queued credit payment orders.
C	This line of the information block displays any pending credit line modification for the selected CLM cash account.

TABLE 41 – QUEUED CASH TRANSFER ORDERS INFORMATION BLOCK FIELD DESCRIPTIONS

5.1.2.4 EARMARKED CASH TRANSFER ORDERS INFORMATION BLOCK

This earmarked cash transfer order information block of the *CLM Cash Account Liquidity Display* screen classifies and displays the aggregated amounts for earmarked cash transfer orders for the selected CLM cash account.

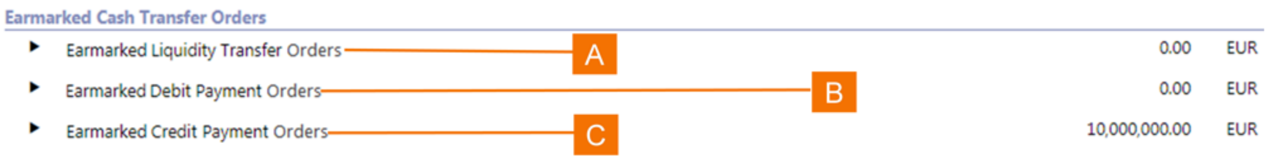


FIGURE 39 – EARMARKED CASH TRANSFER ORDERS INFORMATION BLOCK

Label	Field Description
A	This line of the information block provides the sum of all debit and credit liquidity transfer orders that CLM has in the status *earmarked* for the selected CLM cash account. When the user clicks on this line in the information block, then the application displays a screen with a list of the earmarked liquidity transfer orders.
B	This line of the information block provides the sum of all debit payment orders that CLM has in the status *earmarked* for selected CLM cash account. When the user clicks on this line in the information block, then the application displays a screen with a list of the earmarked debit payment orders.
C	This line of the information block provides the sum of all credit payment orders that CLM has in the status *earmarked* for the selected CLM cash account. When the user clicks on this line in the information block, then the application displays a screen with a list of the earmarked credit payment orders.

TABLE 42 – EARMARKED CASH TRANSFER ORDERS INFORMATION BLOCK FIELD DESCRIPTIONS

5.1.2.5 SETTLED RESERVATIONS INFORMATION BLOCK

The settled reservations information block of the *CLM Cash Account Liquidity Display* screen classifies and displays the aggregated amounts for settled reservations for the CLM cash account.

FIGURE 40 – SETTLED RESERVATIONS INFORMATION BLOCK

Label	Field Description
A	This line of the information block provides the sum of all settled reservations for central bank operations. Reservations are settled when the available liquidity on the MCA is sufficient. The settled reservations for central bank operations are not included in the current balance.
B	This line of the information block provides the sum of all settled reservations for the seizure of funds by a central bank.

TABLE 43 – SETTLED RESERVATIONS INFORMATION BLOCK FIELD DESCRIPTIONS

5.1.2.6 PENDING RESERVATIONS INFORMATION BLOCK

The pending reservations information block of the *CLM Cash Account Liquidity Display* screen classifies and displays the amounts for pending reservations by type of operation.

FIGURE 41 – PENDING RESERVATIONS INFORMATION BLOCK

Label	Field Description
A	This line of the information block provides the amount of a pending reservation for central bank operations for the selected CLM cash account. Pending reservations are not part of the projected liquidity.
B	This line of the information block provides the amount of a pending seizure of funds by a central reservation for the selected CLM cash account.

TABLE 44 – PENDING RESERVATIONS INFORMATION BLOCK FIELD DESCRIPTIONS

5.1.2.7 FLOOR AND CEILING INFORMATION BLOCK

The floor and ceiling information block of the *CLM Cash Account Liquidity Display* screen displays the floor amount and/or ceiling amount when defined for the CLM cash account. The information block does not appear in the *CLM Cash Account Liquidity Display* screen when neither a floor amount nor a ceiling amount is defined for the selected CLM cash account.

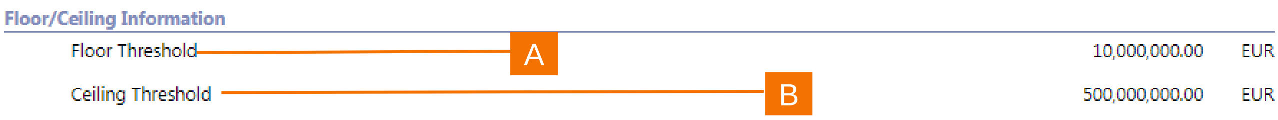


FIGURE 42 – FLOOR AND CEILING INFORMATION BLOCK

Label	Field Description
A	This line of the information block displays the floor threshold amount when defined for the CLM cash account. The line does not appear when a floor threshold amount is not defined for the selected CLM cash account.
B	This line of the information block displays the ceiling threshold amount when defined for the CLM cash account. The line does not appear when a ceiling threshold amount is not defined for the selected CLM cash account.

TABLE 45 – FLOOR AND CEILING INFORMATION BLOCK FIELD DESCRIPTIONS

5.2 Aggregated Liquidity

CLM provides the user with the possibility to query liquidity for several accounts through a single online function.

5.2.1 Dashboard Liquidity Overview – Query Screen

An authorised user can query the liquidity for a selected set of accounts of different services by selecting the accounts to be displayed.

Alternatively the user can query the liquidity across a defined set of accounts using the account monitoring group. The account monitoring group is an optional function which enables an account holder to group cash accounts in one or more services for the purpose of monitoring the overall liquidity across the set of grouped accounts.

The field with the values 'Account Monitoring Group' and 'Account Selection' governs if the user selects accounts or enters an account monitoring group.

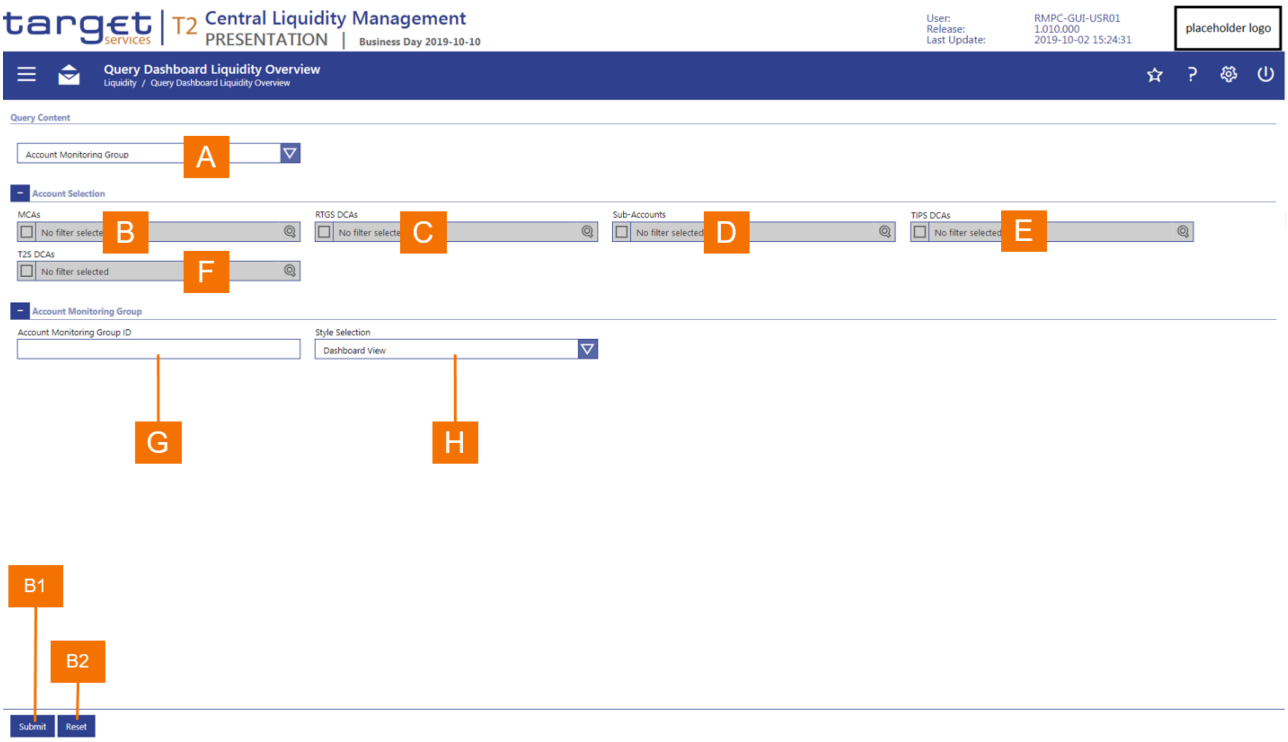


Figure 43 – Dashboard Liquidity Overview – Query Screen

Label	Field Description
A	This field allows the user to select if the aggregated liquidity is to be shown for an account or an

Label	Field Description
	account monitoring group. Valid values are - Account Monitoring Group - Account Selection
B	This field allows the user to select one or more MCAs in CLM if he has selected the value ‘Account Selection’ in the corresponding field. If the user has selected the value ‘Account Monitoring Group’, this field is read only.
C	This field allows the user to select one or more DCAs in RTGS if he has selected the value ‘Account Selection’ in the corresponding field. If the user has selected the value ‘Account Monitoring Group’, this field is read only.
D	This field allows the user to select one or more sub-accounts of DCAs in RTGS if he has selected the value ‘Account Selection’ in the corresponding field. If the user has selected the value ‘Account Monitoring Group’, this field is read only.
E	This field allows the user to select one or more DCAs in TIPS if he has selected the value ‘Account Selection’ in the corresponding field. If the user has selected the value ‘Account Monitoring Group’, this field is read only.
F	This field allows the user to select one or more DCAs in T2S if he has selected the value ‘Account Selection’ in the corresponding field. If the user has selected the value ‘Account Monitoring Group’, this field is read only.
G	This field allows the user to enter the account monitoring group ID if he has selected the value ‘Account Monitoring Group’ in the corresponding field. If the user has selected the value ‘Account Selection’, this field is read only.
H	This field allows the user to select whether to display the liquidity as a dashboard or in list form if he has selected the value ‘Account Monitoring Group’ in the corresponding field. If the user has selected the value ‘Account Selection’, this field is read only.

TABLE 46 – DASHBOARD LIQUIDITY OVERVIEW – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the retrieval and display of the liquidity information for the entered account(s) or account monitoring group respectively.

Label	Button Description
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 47 – DASHBOARD LIQUIDITY OVERVIEW – QUERY SCREEN BUTTON DESCRIPTIONS

The multi-select boxes for the MCAs, DCAs and sub-accounts show only the accounts to which the user has the necessary access rights.

5.2.2 DASHBOARD LIQUIDITY OVERVIEW – DISPLAY SCREEN

The *Dashboard Liquidity Overview Display Screen* provides aggregated balances for the cash accounts that the user selected in the *Dashboard Liquidity Overview Query Screen*

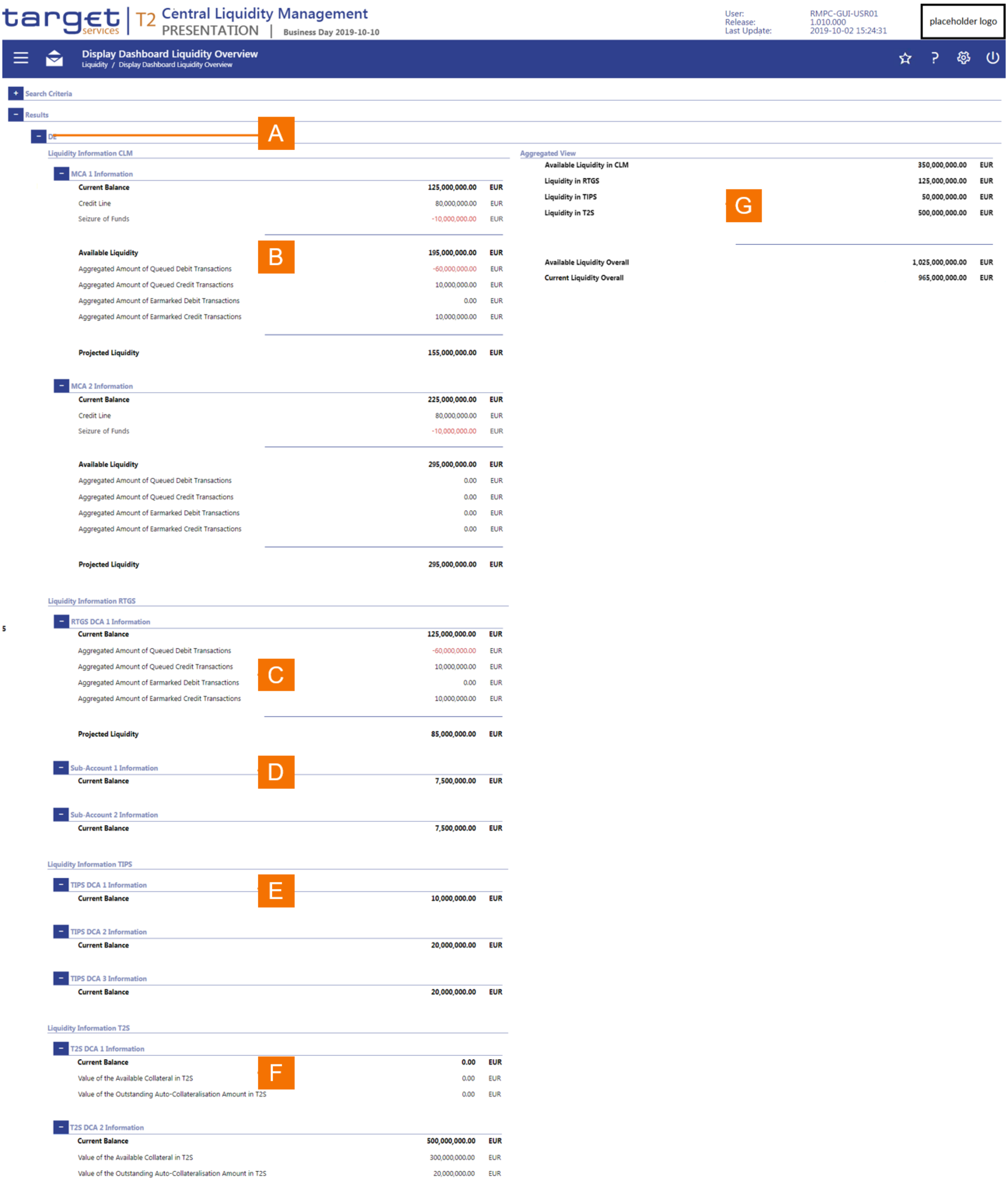


FIGURE 44 – DASHBOARD LIQUIDITY OVERVIEW – DISPLAY SCREEN

Label	Field Description

Label	Field Description
A	This field displays the country code of the respective central bank.
B	This information block displays the liquidity information for a CLM MCA.
C	This information block displays the liquidity information for an RTGS DCA.
D	This information block displays the liquidity information for a sub-account associated to an RTGS DCA.
E	This information block displays the liquidity information for a TIPS DCA.
F	This information block displays the liquidity information for a T2S DCA.
G	This information block displays the total liquidity by service and across all services.

TABLE 48 – DASHBOARD LIQUIDITY OVERVIEW – DISPLAY SCREEN FIELD DESCRIPTIONS

As a payment bank user is set up under a single central bank, the accounts in the data scope of the user belong to exactly one CB.

Therefore the result set of the query can only contain accounts related to several CBs if the query concerns an account monitoring group. The dashboard view of the result set relating to an account monitoring group contains the country code of the respective CB.

5.2.2.1 CLM MCA INFORMATION BLOCK

This CLM MCA information block of the *Display Liquidity Dashboard* screen classifies and displays the aggregated amounts for an individual MCA.

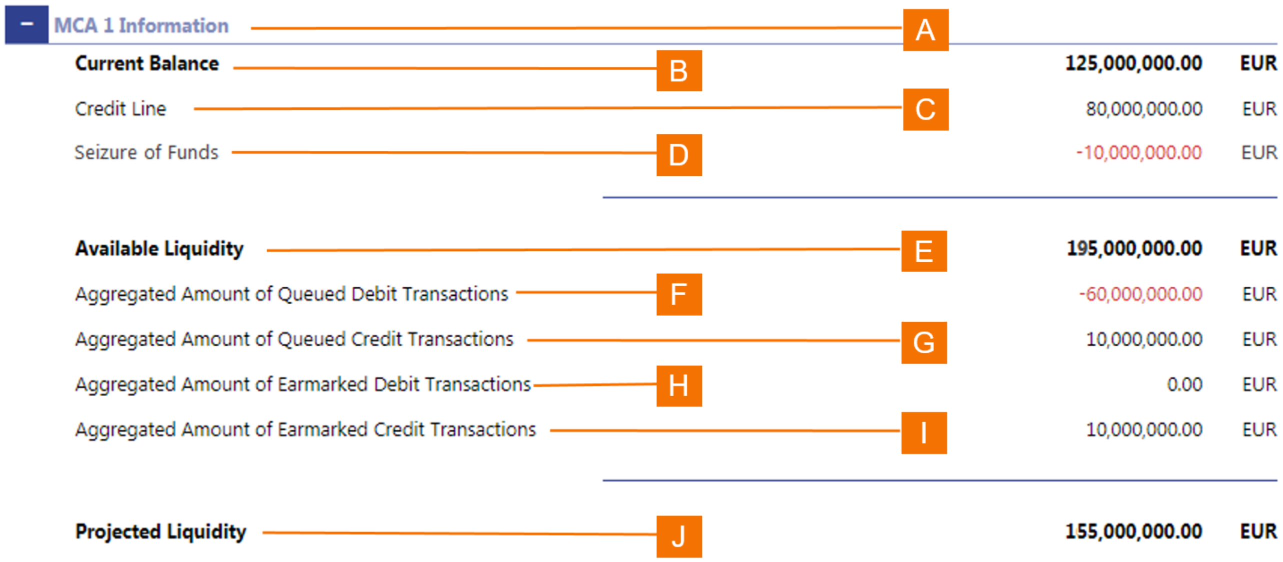


FIGURE 45 – CLM MCA INFORMATION BLOCK

Label	Field Description
A	This heading documents the account number for the subsequent aggregations in the block.
B	This line of the information block displays the current balance of the CLM MCA.
C	This line of the information block provides the current credit line for the CLM MCA.
D	This line of the information block provides the sum of the seized funds for the CLM MCA.
E	This line of the information block displays the available liquidity for the CLM MCA. Available liquidity = current balance + credit line – seizure of funds.
F	This line of the information block provides the sum of all debit cash transfer orders that CLM has queued for settlement for the CLM MCA.
G	This line of the information block provides the sum of all credit cash transfer orders that CLM has queued for settlement for the CLM MCA.
H	This line of the information block provides the sum of all debit cash transfer orders that CLM has in the status *earmarked* for the CLM MCA.
I	This line of the information block provides the sum of all credit cash transfer orders that CLM has in the status *earmarked* for the CLM MCA.
J	This line of the information block displays the projected liquidity for the CLM MCA. Projected liquidity = Σ (available liquidity, aggregated amount of queued debit transactions, aggregated amount of queued credit transactions, aggregated amount of earmarked debit transactions,

Label	Field Description
	aggregated amount of earmarked credit transactions, credit line)

TABLE 49 – CLM MCA INFORMATION BLOCK

5.2.2.2 RTGS DCA INFORMATION BLOCK

This RTGS DCA information block of the *Display Liquidity Dashboard* screen classifies and displays the aggregated amounts for an individual RTGS DCA.

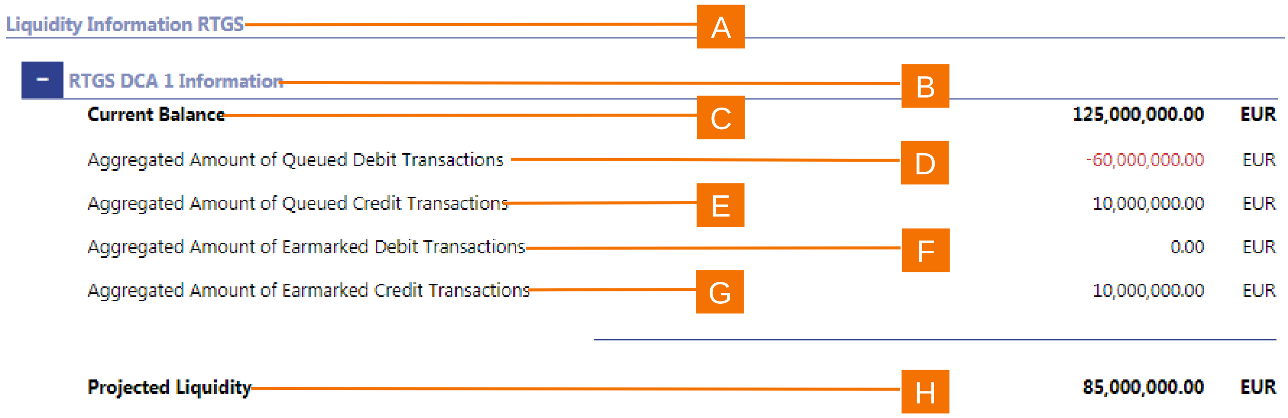


FIGURE 46 – RTGS DCA INFORMATION BLOCK

Label	Field Description
A	This heading documents the service or service component of the subsequent accounts.
B	This heading documents the account number for the subsequent aggregations in the block.
C	This line of the information block displays the current balance of the RTGS DCA.
D	This line of the information block provides the sum of all debit cash transfer orders that RTGS has queued for settlement for the RTGS DCA.
E	This line of the information block provides the sum of all credit cash transfer orders that RTGS has queued for settlement for the RTGS DCA.
F	This line of the information block provides the sum of all debit cash transfer orders that RTGS has in the status *earmarked* for the RTGS DCA.
G	This line of the information block provides the sum of all credit cash transfer orders that RTGS has in the status *earmarked* for the RTGS DCA.

Label	Field Description
H	This line of the information block displays the projected liquidity for the RTGS DCA. Projected liquidity = Σ (current balance, aggregated amount of queued debit transactions, aggregated amount of queued credit transactions, aggregated amount of earmarked debit transactions, aggregated amount of earmarked credit transactions)

TABLE 50 – RTGS DCA INFORMATION BLOCK FIELD DESCRIPTIONS

5.2.2.3 RTGS SUB-ACCOUNT INFORMATION BLOCK

This RTGS sub-account information block of the *Display Liquidity* dashboard screen classifies and displays the aggregated amounts for an individual RTGS sub-account.

FIGURE 47 – RTGS SUB-ACCOUNT INFORMATION BLOCK

Label	Field Description
A	This heading documents the account number for the subsequent aggregations in the block.
B	This line of the information block displays the current balance of the RTGS sub-account.

TABLE 51 – RTGS SUB-ACCOUNT INFORMATION BLOCK FIELD DESCRIPTIONS

5.2.2.4 TIPS DCA INFORMATION BLOCK

This TIPS DCA information block of the *Display Liquidity Dashboard* screen classifies and displays the aggregated amounts for an individual TIPS DCA.

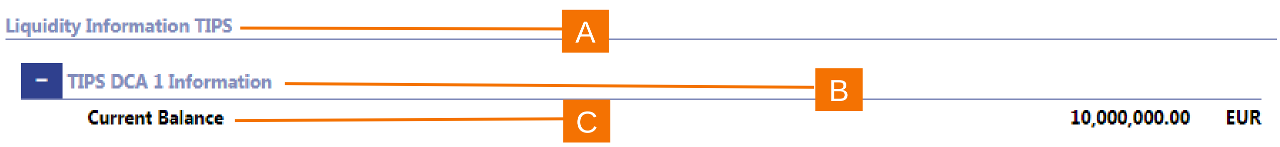


FIGURE 48 – TIPS DCA INFORMATION BLOCK

Label	Field Description
A	This heading documents the service or service component of the subsequent accounts.
B	This heading documents the account number for the subsequent aggregations in the block.
C	This line of the information block displays the current balance of the TIPS DCA.

TABLE 52 – TIPS DCA INFORMATION BLOCK FIELD DESCRIPTIONS

5.2.2.5 T2S DCA INFORMATION BLOCK

This T2S DCA information block of the *Display Liquidity Dashboard* screen classifies and displays the aggregated amounts for an individual T2S DCA.

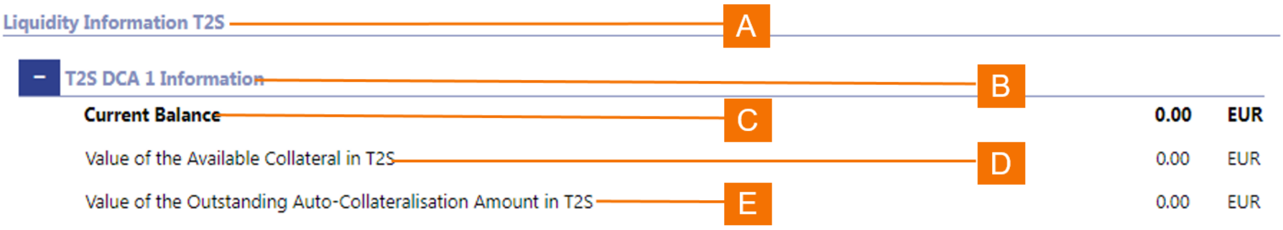


FIGURE 49 – T2S DCA INFORMATION BLOCK

Label	Field Description
A	This heading documents the service or service component of the subsequent accounts.
B	This heading documents the account number for the subsequent aggregations in the block.
C	This line of the information block displays the current balance of the T2S DCA.
D	This line of the information block displays the value of the available collateral in T2S.
E	This line of the information block displays the value of the outstanding auto-collateralisation amount in T2S.

TABLE 53 – T2S DCA INFORMATION BLOCK FIELD DESCRIPTIONS

5.2.2.6 TOTAL LIQUIDITY INFORMATION BLOCK

The total liquidity information block of the ‘Liquidity - Dashboard View’ displays the available liquidity for the MCAs and the DCAs in RTGS (including the balances of the respective sub-accounts), TIPS and T2S.

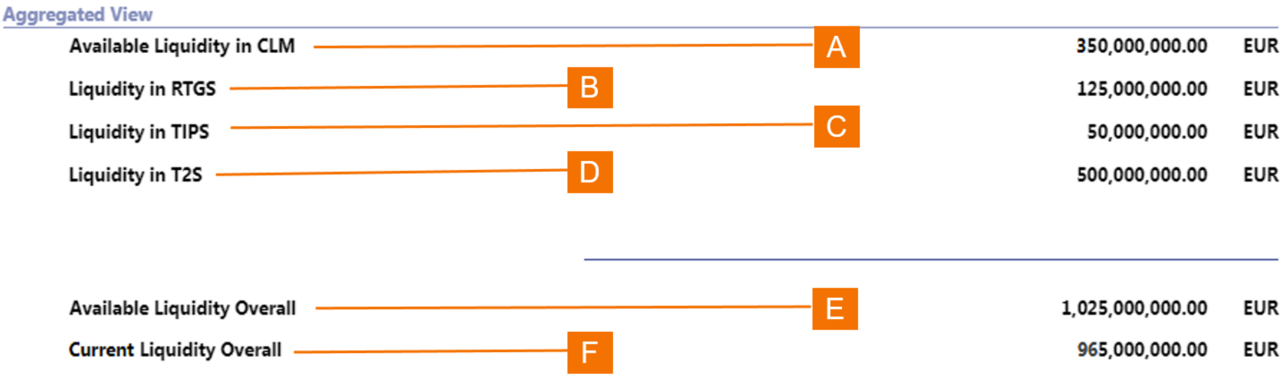


FIGURE 50 – TOTAL LIQUIDITY INFORMATION BLOCK

Label	Field Description
A	This line of the information block displays the available liquidity for all MCAs in the dashboard.
B	This line of the information block displays the available liquidity for all RTGS DCAs and sub-accounts in the dashboard.
C	This line of the information block displays the available liquidity for all TIPS DCAs in the dashboard.
D	This line of the information block displays the available liquidity for all T2S DCAs in the dashboard.
E	This line of the information block displays the available liquidity for all accounts. Available liquidity = Σ (Available Liquidity MCAs, Available Liquidity RTGS DCAs, Available Liquidity TIPS DCAs, Available Liquidity T2S DCAs). 'Available Liquidity RTGS DCAs' includes the liquidity of the respective sub-accounts.
F	This line of the information block displays the current liquidity for all accounts. Current liquidity = available liquidity – credit line.

TABLE 54 – TOTAL LIQUIDITY INFORMATION BLOCK FIELD DESCRIPTIONS

5.2.3 ACCOUNT MONITORING GROUP INFORMATION – DISPLAY SCREEN

The *Account Monitoring Group Information Display* screen provides aggregated balances for the cash accounts in an account monitoring group that the user selected in the *Dashboard Liquidity Overview Query* screen.

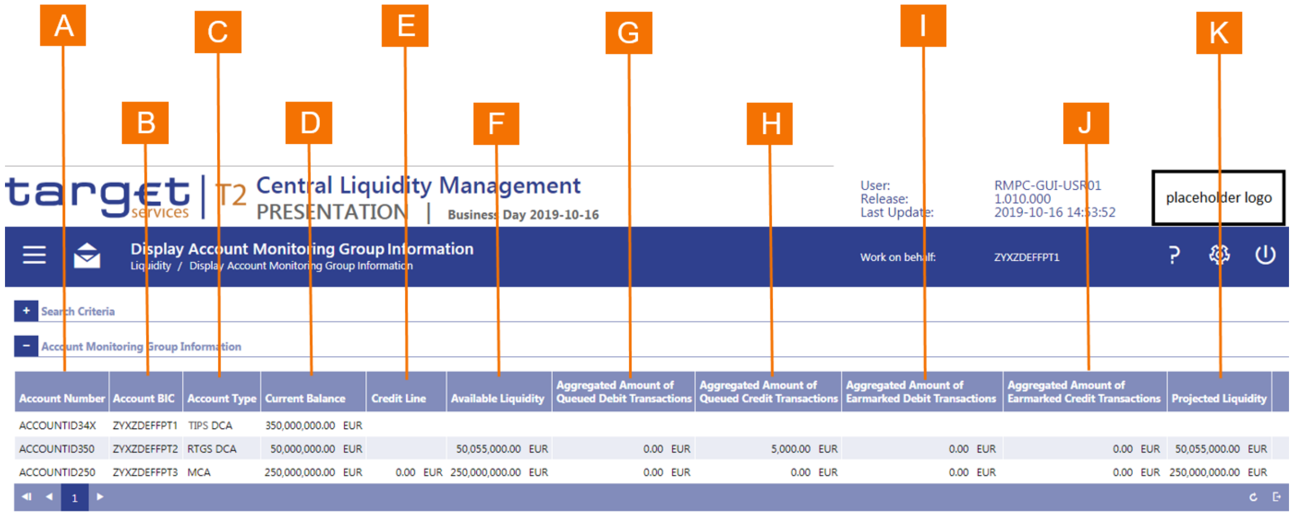


FIGURE 51 – ACCOUNT MONITORING GROUP INFORMATION – DISPLAY SCREEN

Label	Field Description
A	This column displays the account number of the MCA, DCA or sub-account.
B	This column displays the account BIC of the MCA or DCA.
C	This column displays the classification that is assigned to the cash account.
D	This column displays the current balance of the cash account.
E	This column displays the credit line for the cash account when the row displays an MCA.
F	This column displays the available liquidity for the cash account.
G	This column provides the sum of all debit cash transfer orders that are queued for settlement for the account.
H	This column provides the sum of all credit cash transfer orders that are queued for settlement for the account.
I	This column provides the sum of all debit cash transfer orders that are the status earmarked for the cash account.
J	This column provides the sum of all credit cash transfer orders that are the status earmarked for the cash account.
K	This column displays the projected liquidity for the cash account.

TABLE 55 – ACCOUNT MONITORING GROUP INFORMATION – DISPLAY SCREEN FIELD DESCRIPTIONS

5.3 CREDIT LINES

CLM provides an authorised user of a central bank with the possibility to modify credit lines during the current business day for CLM MCAs. The following list screen (see next chapter) appears in read-only mode when the user does not have the privilege to modify credit lines. Two types of orders for modifying a credit line exist:

- Fixed amount credit line orders containing the new value of the credit in absolute figure.
- Delta amount credit line orders containing the delta between the new and the old credit line value.

5.3.1 CREDIT LINES – QUERY SCREEN

The *Credit Lines Query Screen* allows the user to enter the selection criteria for searching and subsequently listing credit lines.

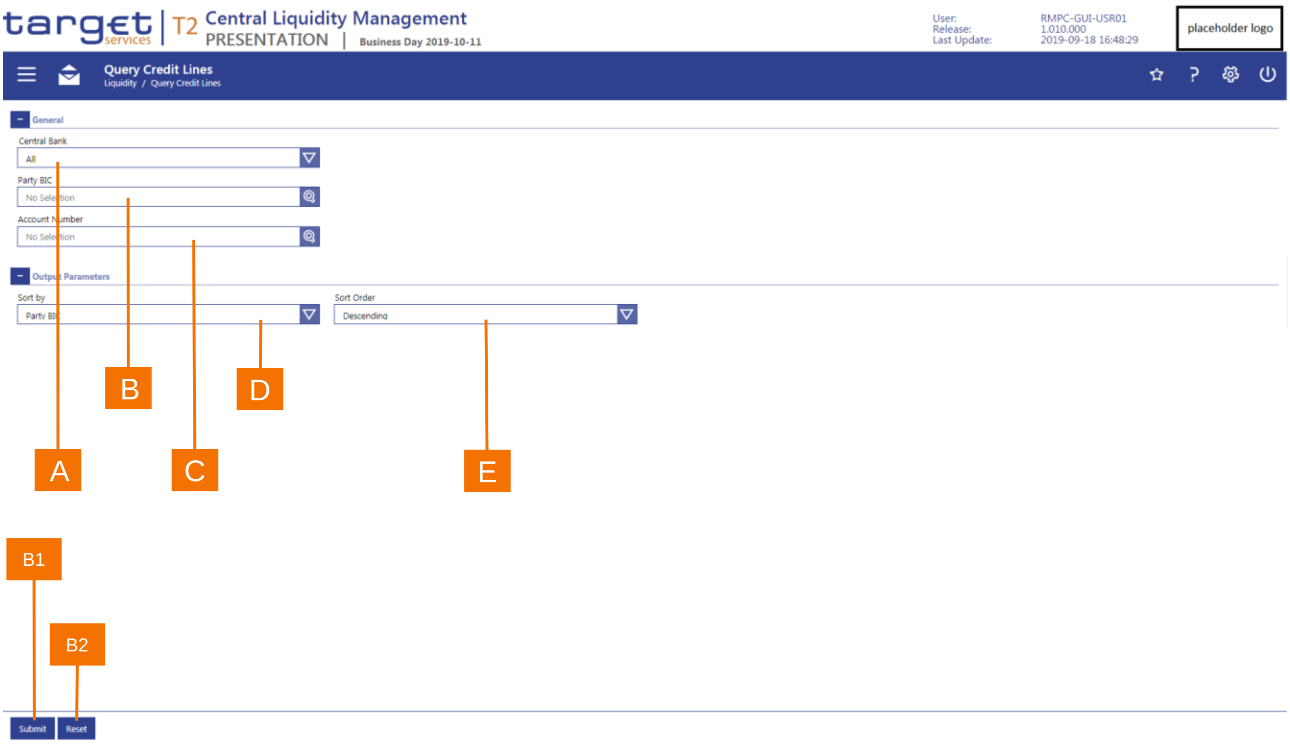


FIGURE 52 – CREDIT LINES QUERY SCREEN

Label	Field Description
A	This field allows the user to enter a central bank for which the application is to display the current credit lines for CLM MCAs.

Label	Field Description
B	This field allows the user to enter the BIC of the party for which the application is to display current credit lines for a party's CLM MCAs.
C	This field allows the user to enter the account number of a CLM MCA for which the application is to display the credit line.
D	This field allows the user to determine if the results list is to be sorted by Party BIC, MCA number or central bank.
E	This field allows the user to select whether the results list is to be sorted in ascending or descending order of the selected sort criterion.

TABLE 56 – CREDIT LINES QUERY SCREEN FIELD DESCRIPTIONS

The *Credit Lines Query* screen is subject to a specific validation and processing logic.

- Only a user that has access to the data of multiple central banks (e.g. user of the operator) has the possibility to select a central bank using the central bank field.
- If only one cash account exists for a party BIC, then the account number defaults to that MCA for the entered Party BIC and the application displays the account number filed as read-only.
- A user can enter a CLM MCA account number directly, i.e. without the need to enter a Party BIC first.
- This screen is not foreseen to be used by payment banks. The user of a payment bank can see its own credit line on the dashboard screen and on the CLM Cash Account Liquidity Screen.

Label	Button Description
B1	The *Submit* button allows the user to execute the search of the credit lines based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 57 – CREDIT LINES QUERY SCREEN BUTTON DESCRIPTIONS

5.3.2 CREDIT LINES – LIST SCREEN

The *Credit Lines List* screen displays all the credit lines that fulfil the selection criteria that the user entered in the *Credit Lines Query* screen.

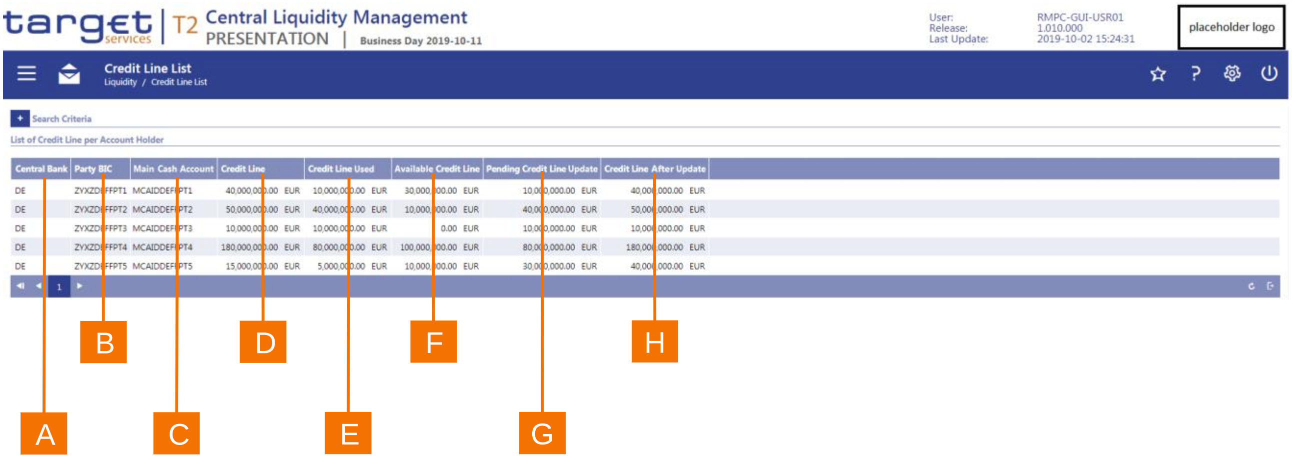


FIGURE 53 – CREDIT LINES LIST SCREEN

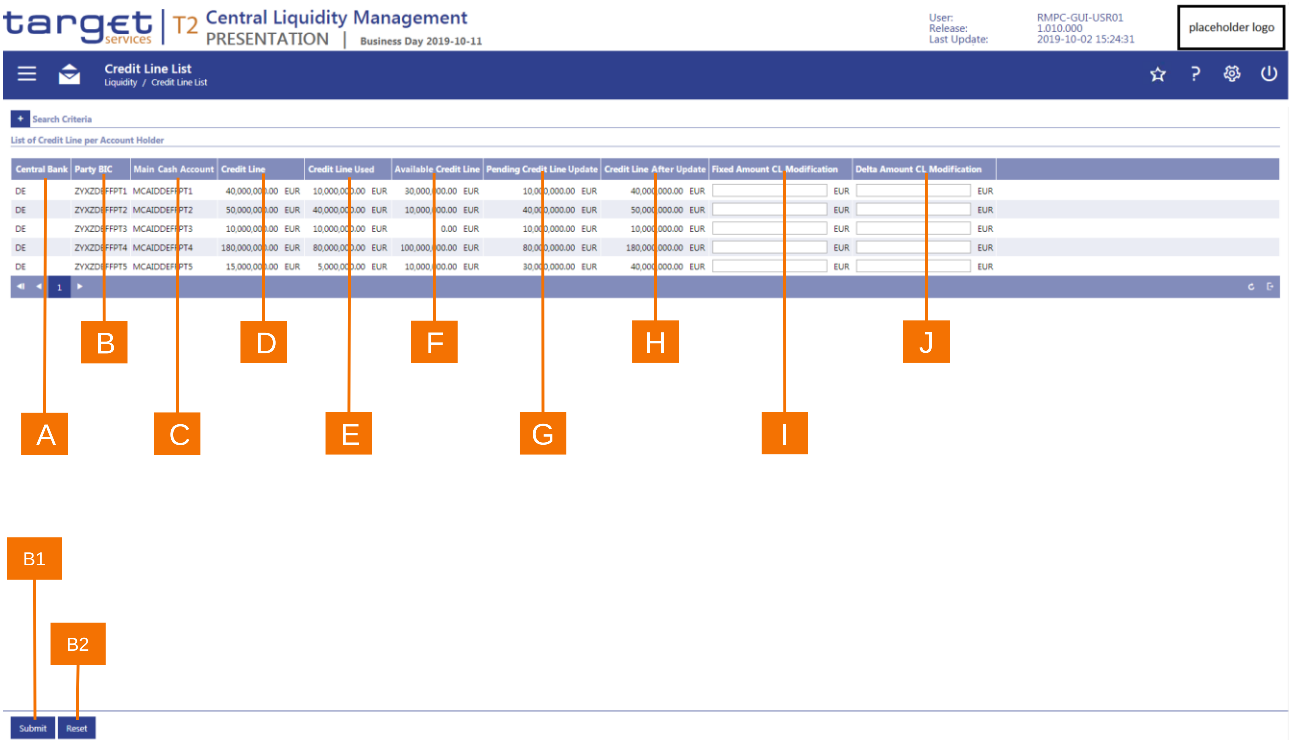


FIGURE 54 – CREDIT LINES LIST EDIT SCREEN

Label	Field Description
A	This column displays the country code of the central bank under which the credit line for the CLM MCA is defined.
B	This column displays the BIC of the party which is the CLM account holder

Label	Field Description
C	This column displays the account number of the CLM MCA.
D	This field displays the current credit line for the CLM MCA.
E	This field displays the amount of the CLM MCA credit line that the CLM account holder already used for the current business day.
F	This field displays the remaining amount of the CLM MCA credit line that the CLM account holder can use for the current business day.
G	This field displays any pending credit line update for the CLM MCA.
H	This field displays credit line after the application applies the pending credit line update for the CLM MCA to the current line.
I	This field allows the user to enter the credit line update as fixed amount, i.e. the specification of a new credit line as absolute amount.
J	This field allows the user to enter the credit line update as a difference between the old and new value. A negative value reduces the credit line and a positive value increases the credit line.

Table 58 – Credit Lines List Screen Field Descriptions

The *Credit Lines List* screen is subject to a specific validation and processing logic.

- The screen appears in edit mode when the user has the privilege to modify credit lines. The *Submit* button appears.
- The screen appears in display mode when the user does not have the privilege to modify credit lines. The *Submit* button does not appear.
- When a user has the privilege to update credit lines, has changed at least one credit line, and clicks on the *Submit* button, then a pop-up appears with a *Cancel* button and a *Confirm* button that requests the user to cancel or confirm the operation.
- When a user has the privilege to update credit lines, has not changed at least one credit line and clicks on the *Submit* button, then an error notification appears requesting the user to update at least one credit line.

Label	Button Description
B1	The *Submit* button allows the user to submit modified credit lines for processing.
B2	The *Reset* button allows the user to clear the entered search criteria.

Table 59 – Credit Lines List screen button descriptions

5.4 NEW LIQUIDITY TRANSFER ORDER

The *New Liquidity Transfer Order* screen allows an authorised user to enter a liquidity transfer order.

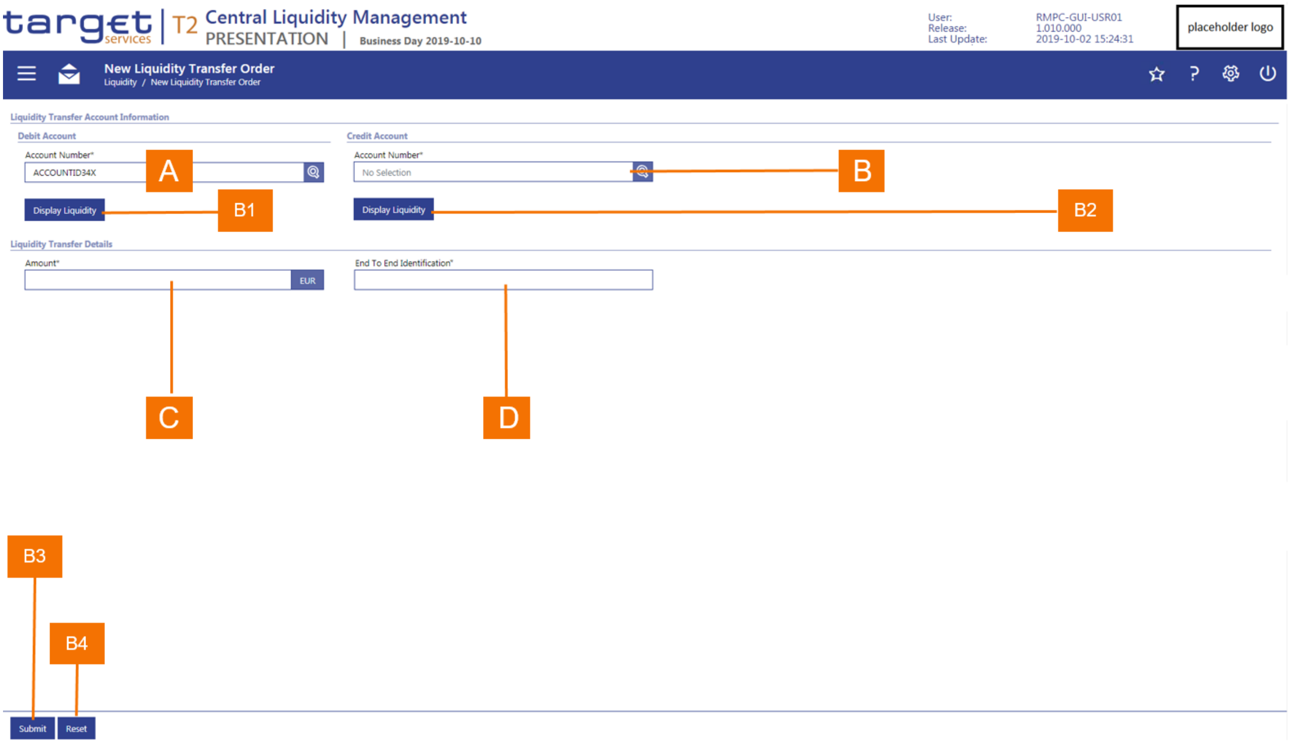


FIGURE 55 – NEW LIQUIDITY TRANSFER ORDER – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter the number of the cash account from which the transfer of funds is to take place.
B	This field allows the user to enter the number of the cash account to which the transfer of funds is to take place.
C	This field allows the user to enter the amount to funds that are subject to the transfer.
D	This field allows the user to enter an identifier for the liquidity transfer

TABLE 60 – NEW LIQUIDITY TRANSFER ORDER – QUERY SCREEN FIELD DESCRIPTIONS

The *New Liquidity Transfer Order* screen is subject to a specific validation and processing logic.

- The default value for the debit account is the CLM MCA number from the CLM Cash Account Liquidity – Display Screen when the screen is opened from the CLM Cash Account Liquidity – Display Screen.
- All input fields in the screen are mandatory.

- The debit account number and the credit account number cannot be the same.
- Liquidity transfers can be inter-service as well as intra-service. The screen allows initiating liquidity transfers from any settlement service to any other settlement service.

Label	Button Description
B1	When the user clicks on the *Display Liquidity* button for the debit cash account, then a pop-up appears that displays the amount of liquidity available on the debit cash account.
B2	When the user clicks on the *Display Liquidity* button for the credit cash account, then a pop-up appears that displays the amount of liquidity available on the credit cash account.
B3	When the user clicks on the *Submit* button, a pop-up box is displayed that requests the user to confirm or cancel the modification. If the user clicks on the *Cancel* button in the pop-up, then the *New Liquidity Transfer Order* edit screen reappears. If the user clicks on the Save button, then – the *New Liquidity Transfer Order* display screen reappears with empty fields when the user called the screen directly from the menu; – the *CLM Cash Account Liquidity Display* screen reappears when the user called the screen from the aforementioned screen.
B4	When the user clicks on the *Reset* button, it returns the user to – the *New Liquidity Transfer Order* display screen reappears with empty fields when the user called the screen directly from the menu; – the *Display CLM Cash Account Liquidity* screen reappears when the user called the screen from the aforementioned screen.

TABLE 61 – NEW LIQUIDITY TRANSFER ORDER SCREEN BUTTON DESCRIPTIONS

5.4.1 DISPLAY AVAILABLE LIQUIDITY – DEBIT ACCOUNT POP-UP

The *Display Available Liquidity* pop-up for the debit account displays the available liquidity on request of the user.

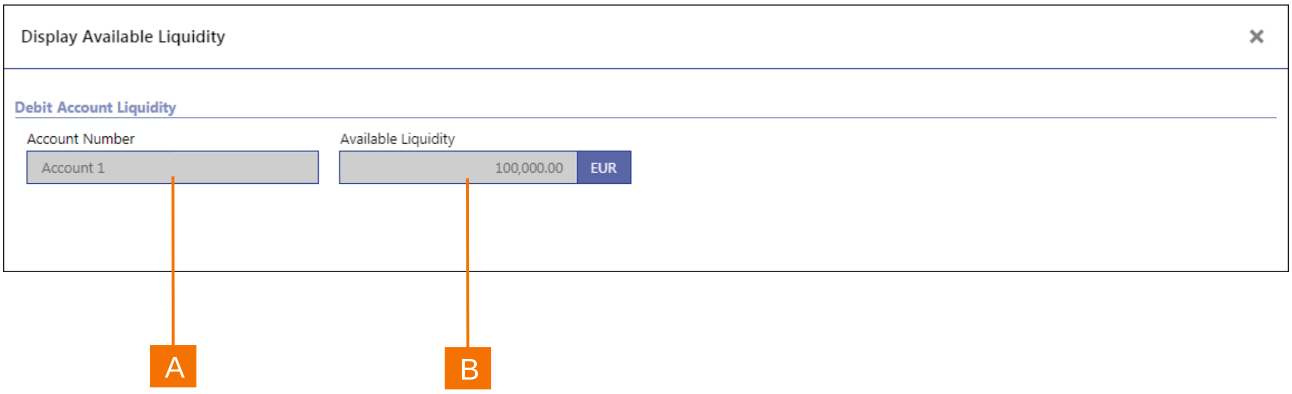


Figure 56 – Display Available Liquidity – Debit Account Pop-up

Label	Field Description
A	This field displays as read-only the debit account number for which the user requested the available liquidity.
B	This field displays as read-only the amount of funds available on the debit account.

Table 62 – Display Available Liquidity – Debit Account Pop-up Field Descriptions

5.4.2 Display available liquidity credit account pop-up

The *Display Available Liquidity* pop-up for the credit account displays the available liquidity on request of the user.

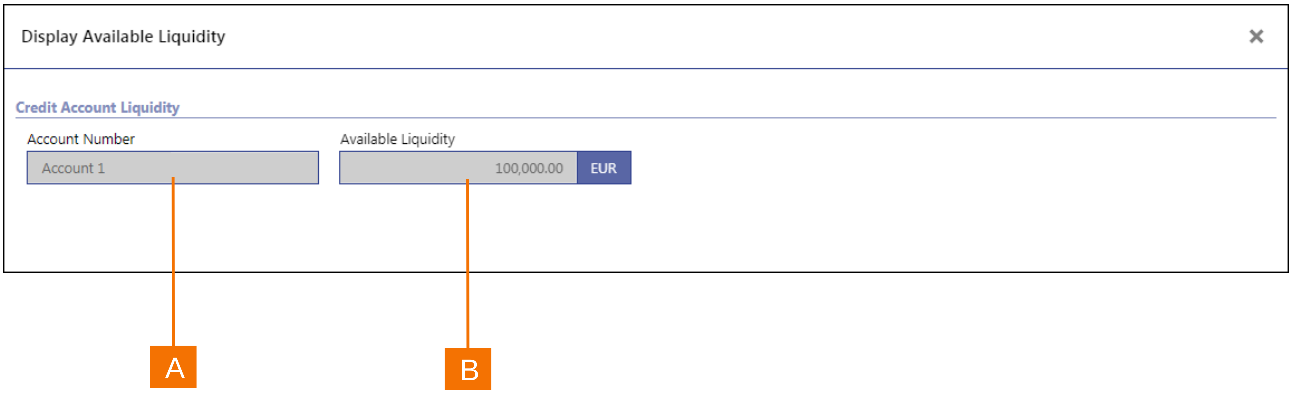


Figure 57 – Display Available Liquidity – credit account pop-up

Label	Field Description
A	This field displays as read-only the credit account number for which the user requested the

Label	Field Description
	available liquidity.
B	This field displays as read-only the amount of funds available on the credit account.

TABLE 63 – DISPLAY AVAILABLE LIQUIDITY – CREDIT ACCOUNT POP-UP FIELD DESCRIPTIONS

5.5 RESERVATIONS

CLM provides an authorised user of a CLM Account with the possibility to create or to modify reservations with immediate effect during the current business day for CLM MCAs. This includes

- reserving a specific amount during the current business day with immediate effect;
- setting to zero the liquidity reserved for the current business day only with immediate effect;
- modifying a reserved amount on demand during the current business day with immediate effect;

For details regarding the reservation of liquidity see chapter '5.4.3.2 Liquidity reservation' of the CLM UDFS.

5.5.1 RESERVATIONS – QUERY SCREEN

The *Reservations Query* screen allows the user to enter a CLM MCA number to display or edit reservations.

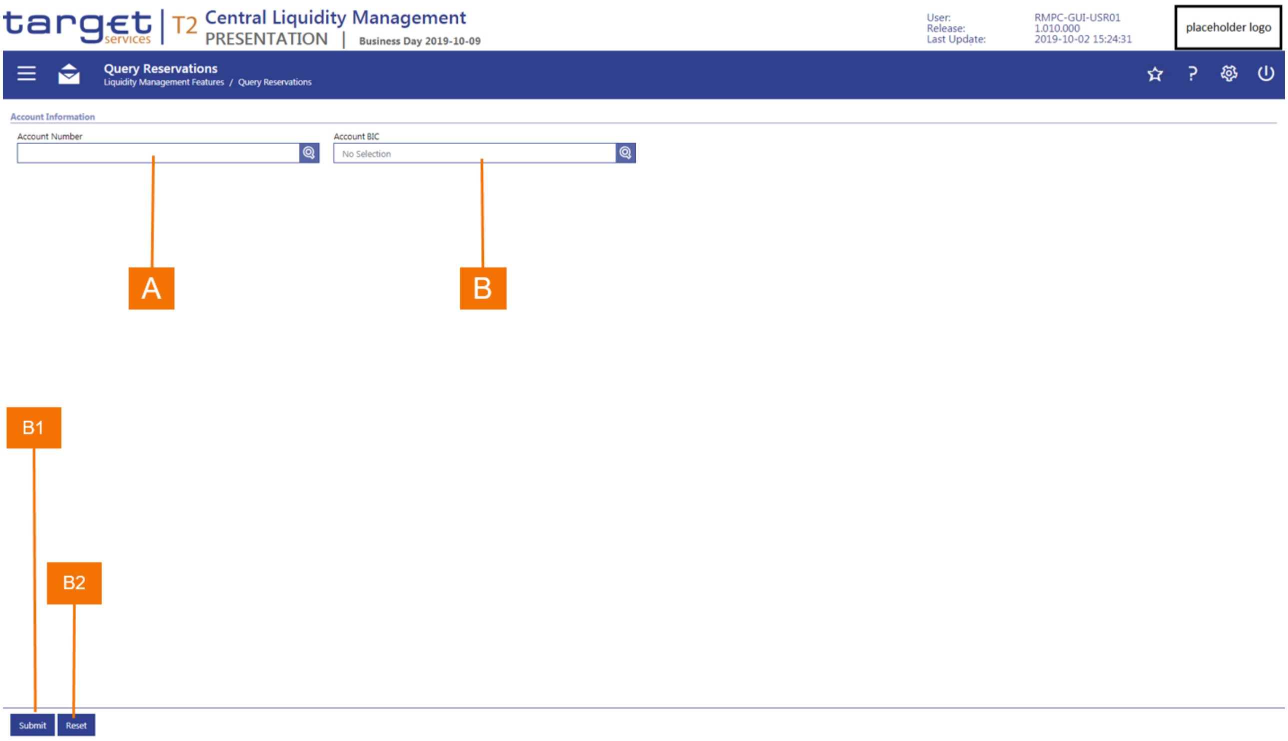


FIGURE 58 – RESERVATIONS – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter the account number of the CLM MCA for which the application is to query the reservations for display or modification.
B	This field allows the user to enter the account BIC of the CLM MCA for which the application is to query the reservations for display or modification.

TABLE 64 – RESERVATIONS – QUERY SCREEN FIELD DESCRIPTIONS

The *Reservations Query* screen is subject to a specific validation and processing logic.

- The *Reservations Display* screen appears directly if a user is set-up under a party BIC that holds only one CLM MCA.
- If a user is set-up under a party BIC that holds more than one CLM MCA or if the user that has access to the data of multiple parties (e.g. a central bank user), then the user has the possibility to select a CLM MCA using the *Account Number* and *Account BIC* fields.
- If the non-central-bank user has edit privileges for reservations, then the *Reservations Display* screen appears in which to enter a new amount for a reservation for central bank operations. The reservation for the seizure of funds remains non-modifiable.
- If the central-bank user has edit privileges for reservations, then the *Reservations Display* screen appears with modifiable attributes to enter new amounts for the reservation for central bank operations and the reservation for the seizure of funds.
- If the user does not have edit privileges for reservations, then the *Reservations Display* screen displays all fields as read-only.

Label	Button Description
B1	The *Submit* button allows the user to execute the retrieval or reservation information for the selected CLM MCA.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 65 – RESERVATIONS – QUERY SCREEN BUTTON DESCRIPTIONS

5.5.2 RESERVATIONS – DISPLAY SCREEN

The *Reservations Display* screen displays the current reservations for a CLM MCA. Depending on the privileges of the user, the screen appears in edit mode when the user has the privilege to modify reservations and in display mode when the user does not have the privilege to modify reservations.

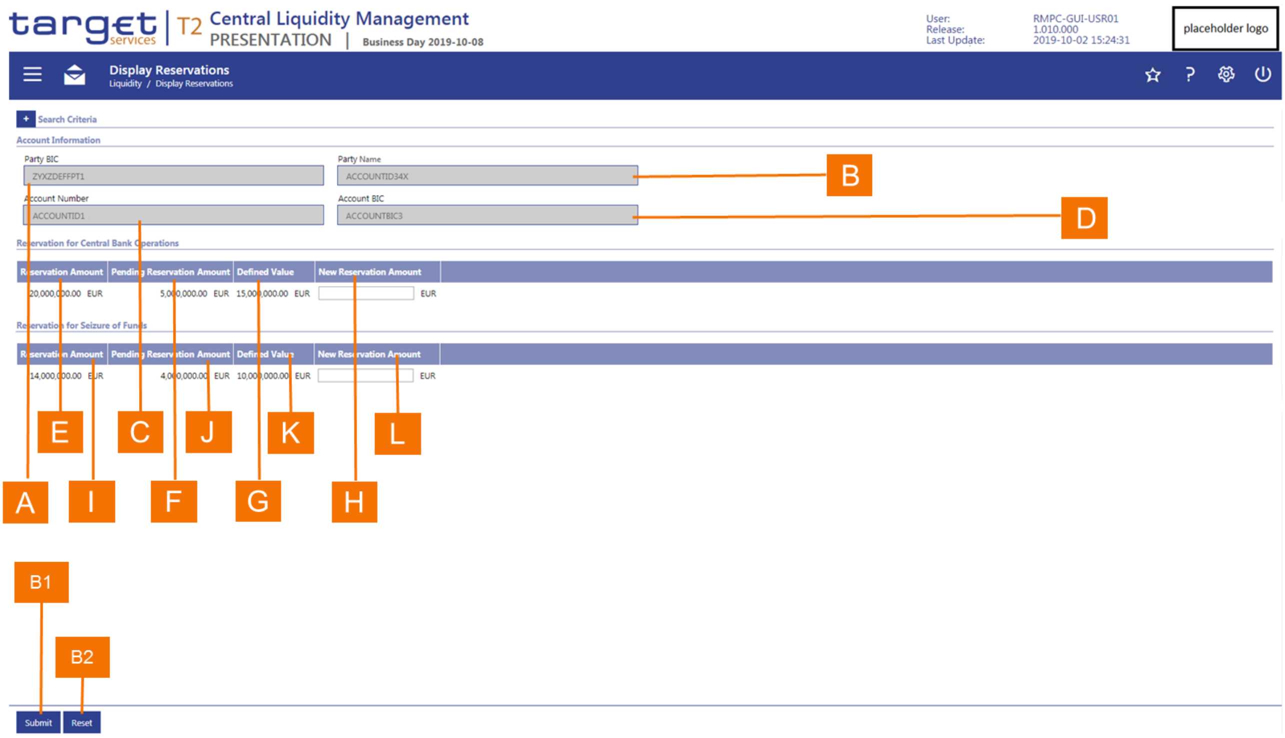


FIGURE 59 – RESERVATIONS – DISPLAY EDIT SCREEN

Label	Field Description
A	This field displays the Party BIC of the CLM account holder.
B	This field displays the party short name of the CLM account holder.
C	This field displays the account number of the CLM MCA.
D	This field displays the BIC that is associated to the CLM MCA.
E	This field displays the reservation amount for the CLM MCA for the settlement of central bank operations.
F	This field displays the amount of a reservation for the CLM MCA that remains pending for the settlement of central bank operations.
G	This field displays the amount that is already reserved for the settlement of central bank operations.
H	This field allows the user to enter a new reservation amount for the CLM MCA for the settlement of central bank operations when the user has the privilege to modify reservations.
I	This field displays the reservation amount for the CLM MCA for the seizure of funds.
J	This field displays the amount of a reservation for the CLM MCA for the seizure of funds that

Label	Field Description
	remains pending for settlement.
K	This field displays the amount for the CLM MCA for the seizure of funds that is reserved.
L	This field allows the user to enter a new reservation amount for the CLM MCA for the seizure of funds when the user has the privilege to modify reservations.

Table 66 – Reservations – Display Edit Screen Field Descriptions

Label	Button Description
B1	The *Submit* button allows the user to submit the modified reservation amount(s) for processing.
B2	The *Reset* button allows the user to set the reservation amount fields to the original default setting.

Table 67 – Reservations – Display Edit Screen Button Descriptions

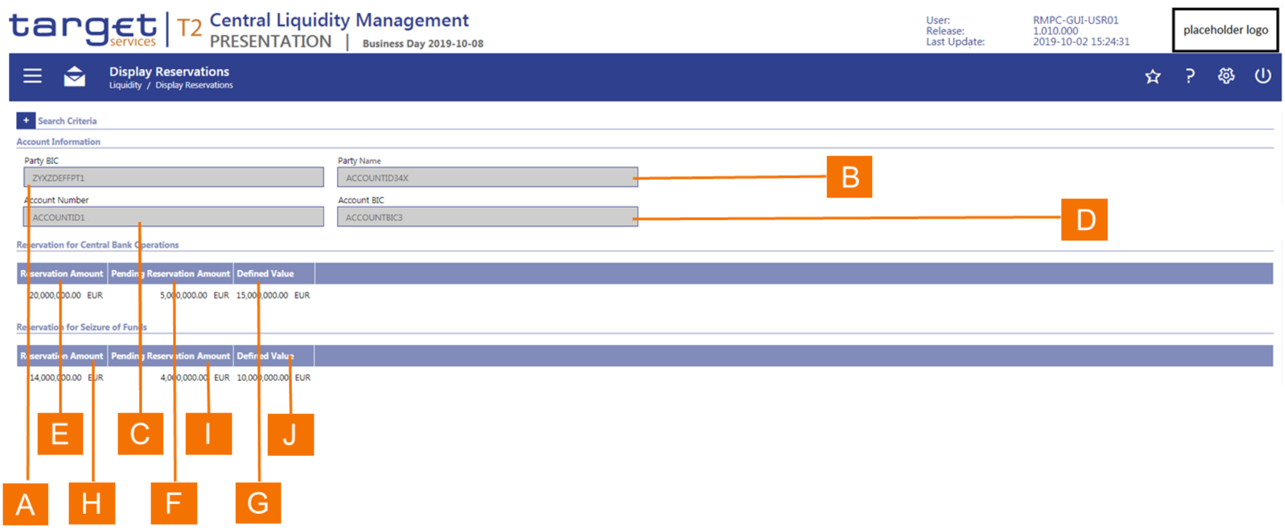


Figure 60 – Reservations Display Screen in Display Mode

Label	Field Description
A	This field displays the Party BIC of the CLM account holder.
B	This field displays the party short name of the CLM account holder.
C	This field displays the account number of the CLM MCA.

Label	Field Description
D	This field displays the BIC that is associated to the CLM MCA.
E	This field displays the current reservation amount for the CLM MCA for the settlement of central bank operations.
F	This field displays the amount of a current reservation for the CLM MCA that remains pending for the settlement of central bank operations.
G	This field displays the applied value for the current reservation or the settlement of central bank operations.
H	This field displays the current reservation amount for the CLM MCA for the seizure of funds.
I	This field displays the pending reservation amount for the CLM MCA for the seizure of funds.
J	This field displays the applied value for the current reservation for the seizure of funds.

TABLE 68 – RESERVATIONS SCREEN IN DISPLAY MODE FIELD DESCRIPTIONS

The *Reservations* screen in display mode is subject to a specific validation and processing logic.

- The screen appears in edit mode when the user has the privilege to modify reservations. The *Submit* button does appear.
- If the non-central-bank user has edit privileges for reservations, then the *Reservations Display* screen appears with a modifiable attribute to enter a new amount for a reservation for central bank operations. The reservation for the seizure of funds remains non-modifiable.
- If the central-bank user has edit privileges for reservations, then the *Reservations Display* screen appears with a modifiable attribute to enter a new amount for the reservation for central bank operations and the reservation for the seizure of funds.

Label	Button Description
B1	The screen displays this button when the user has the privilege to change a reservation. When the user clicks on the *Submit* button, a pop-up box is displayed that requests the user to confirm or to cancel the modification. If the user clicks on the *Cancel* button in the pop-up, then the *Reservation Display* screen reappears in edit mode. If the user clicks on the *Save* button, then a success or error notification appears and returns the user to the *Reservations Query* screen.
B2	When the user clicks on this button, it returns the user to the *Reservations Query* screen.

TABLE 69 – RESERVATIONS DISPLAY EDIT SCREEN BUTTON DESCRIPTIONS

6 STANDING FACILITIES

This function allows an authorised user to query the liquidity related to its standing facilities as well as the liquidity on its MCA(s). Before the go-live of the Eurosystem Collateral Management System (ECMS), a query of the standing facilities will display:

- the account balance of the central bank marginal lending account that is linked to the queried party;
- the account balance of the central bank overnight deposit account that is linked to the queried party;
- the account balance of each MCA that the queried party holds.

With the go-live of ECMS, a query of the standing facilities will be limited to displaying:

- the account balance of the central bank overnight deposit account that is linked to the queried party;
- the account balance of each MCA that the queried party holds.

6.1 STANDING FACILITIES – QUERY SCREEN

The *Standing Facilities Query* screen allows the user to enter the BIC of the party for which the query should list the account balances pertaining to the standing facilities.

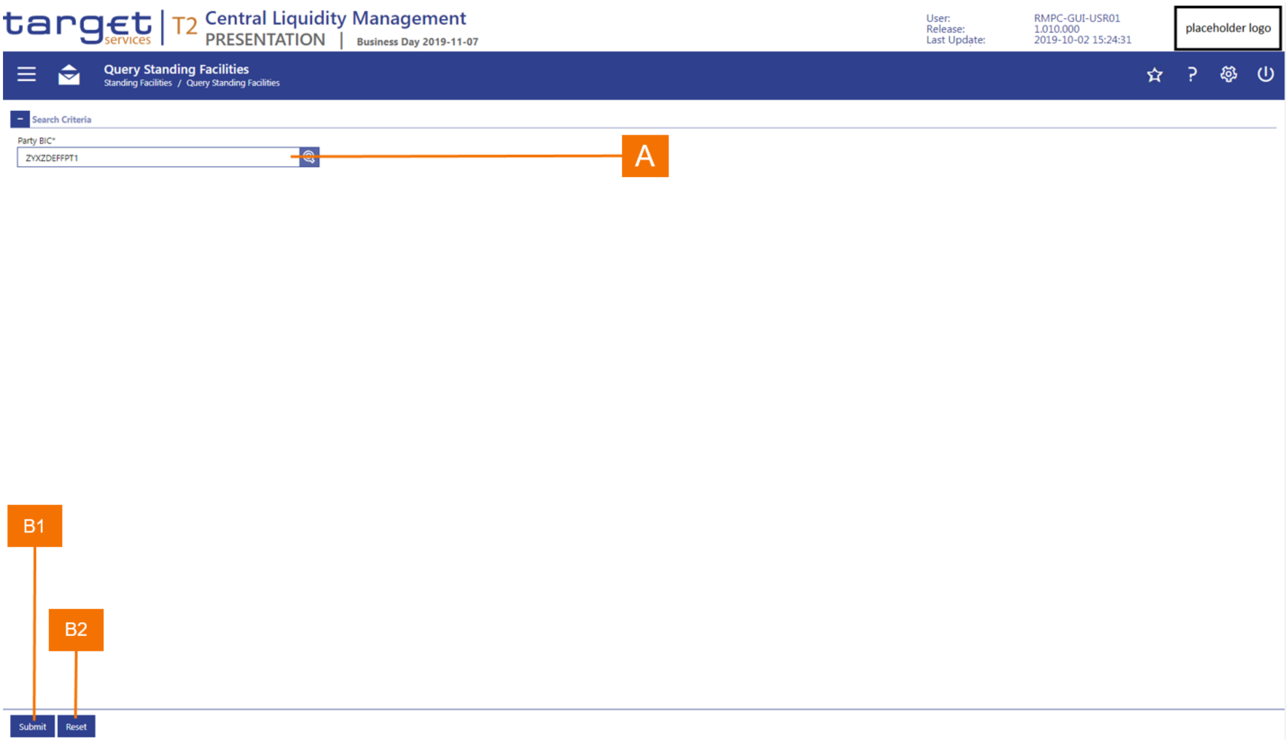


FIGURE 61 – STANDING FACILITIES - QUERY SCREEN

Label	Field Description
A	This field allows an authorised user to enter the Party BIC for querying account balances related to standing facilities.

TABLE 70 – STANDING FACILITIES – QUERY SCREEN FIELD DESCRIPTIONS

The *Standing Facilities Query* screen is subject to a specific validation and processing logic.

- If a user has access to the data of multiple parties (e.g. a central bank user), then the user has the possibility to enter the BIC of a party.
- if a user is authorised to access a single party BIC only, the *Standing Facilities Display* screen appears directly.

Label	Button Description
B1	The *Submit* button allows the user to retrieve the account balances based on the BIC of the party.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 71 – STANDING FACILITIES – QUERY SCREEN BUTTON DESCRIPTIONS

6.2 STANDING FACILITIES – DISPLAY SCREEN

The *Standing Facilities Display* screen lists the account balances pertaining to the standing facilities and the MCA(s) of the queried party.

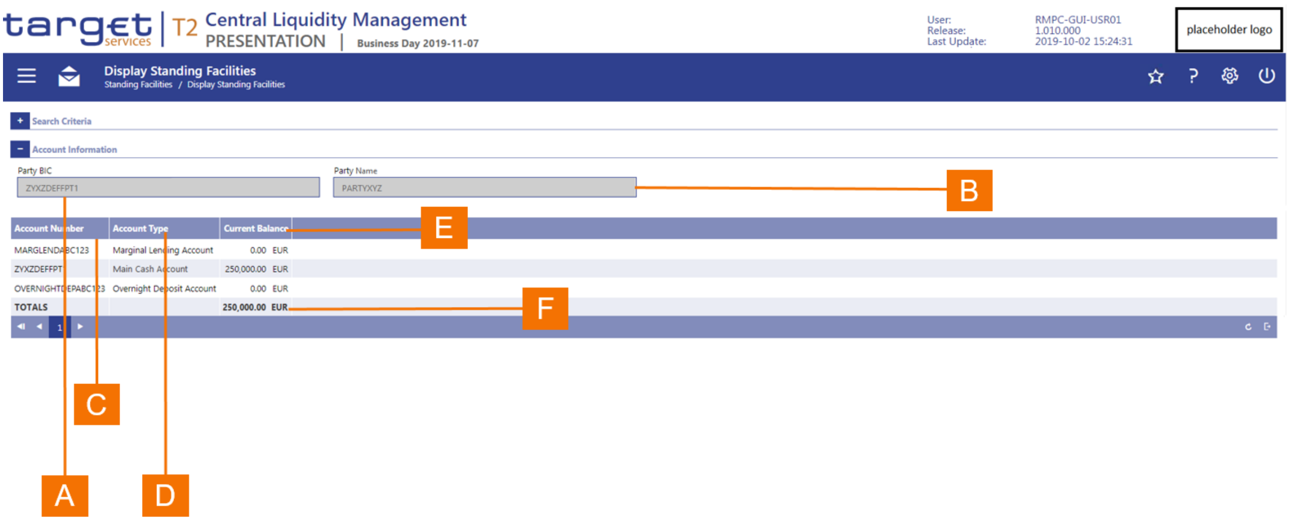


FIGURE 62 – STANDING FACILITIES – DISPLAY SCREEN

Label	Field Description
A	This field displays the BIC of the party.
B	This field displays the party short name of party.
C	This column displays the central bank account number that is associated to the party for the standing facilities or a main cash account number.
D	This column displays the classification of the cash account.
E	This column displays the balance on the cash account.
F	This field at the end of the list displays the sum of the cash account balances that the list contains.

TABLE 72 – STANDING FACILITIES – DISPLAY SCREEN FIELD DESCRIPTIONS

The *Standing Facilities Display* screen allows the user to list the underlying cash transfer orders for an account through a context menu that appear when the user clicks on a row in the results list.

A context menu allows an authorized user to navigate directly to the Liquidity Transfer Order - New Screen in order to enter a liquidity transfer order.

Note: it is possible to download a .csv file via the export icon on the bottom right of the screen.

7 Minimum Reserve

7.1 Minimum Reserve Information

7.1.1 Minimum Reserve Information – Query Screen

The *Minimum Reserve Information Query* screen allows the user to query minimum reserve requirements for a minimum reserve maintenance period and/or allows the user to filter by one or more BICs.

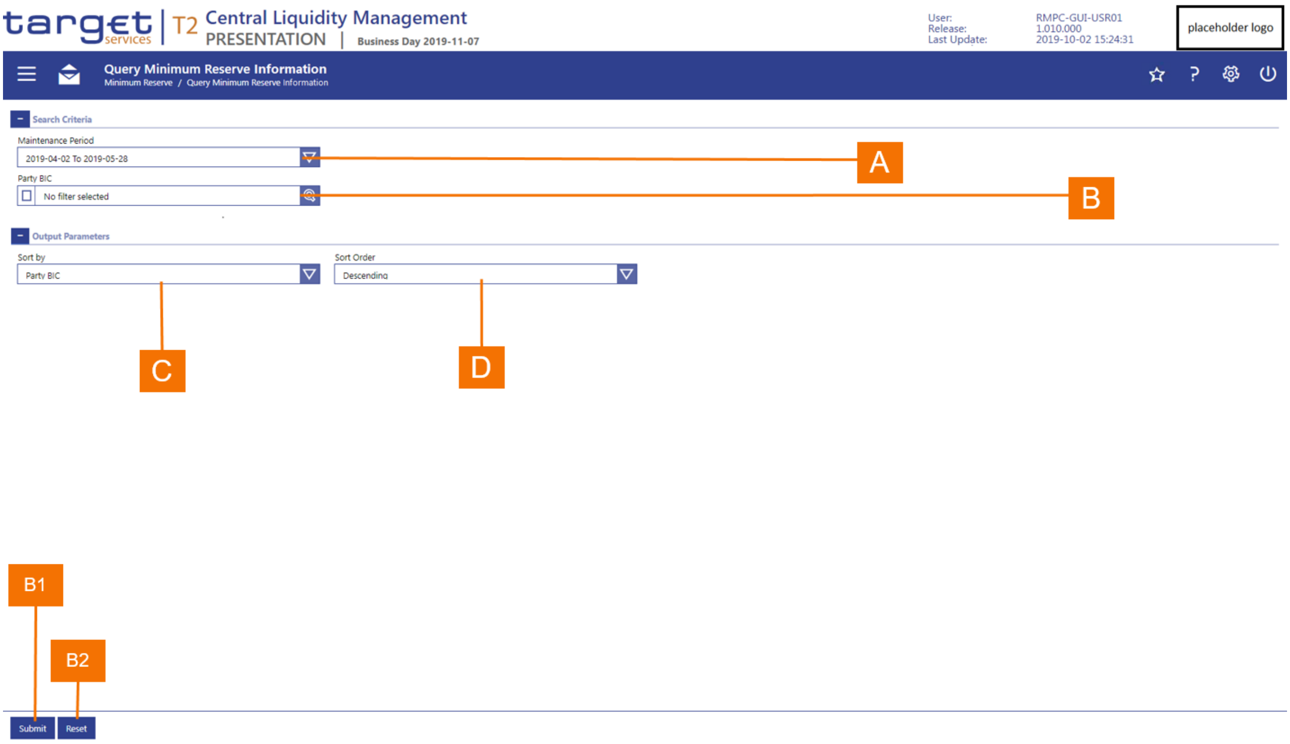


Figure 63 – Minimum Reserve Information – Query screen

Label	Field Description
A	This field allows an authorised user to select a minimum reserve maintenance period.
B	This field allows an authorised user to select one or more Party BICs for querying minimum reserve information.
C	This field allows the user to determine the sorting of the results list.
D	This field allows the user to select whether the results list is to be sorted in ascending or descending order of the selected sort criterion.

TABLE 73 – MINIMUM RESERVE INFORMATION – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the query.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 74 – MINIMUM RESERVE INFORMATION – QUERY SCREEN BUTTON DESCRIPTIONS

7.1.2 MINIMUM RESERVE INFORMATION – LIST SCREEN

The *Minimum Reserve Information List* screen displays the minimum reserve requirement for the selected maintenance period and the selected party or parties.

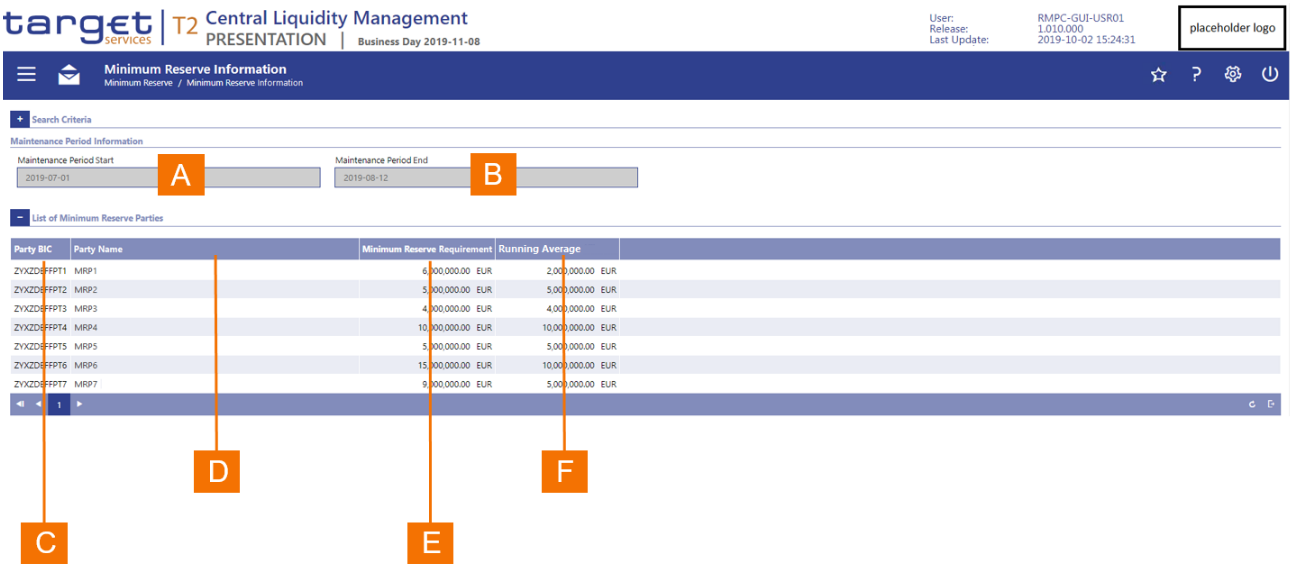


FIGURE 64 – MINIMUM RESERVE INFORMATION – LIST SCREEN

Label	Field Description
A	This field displays the start date of the minimum reserve maintenance period.
B	This field displays the end date of the minimum reserve maintenance period.
C	This column displays the BIC of the party for which the minimum reserve requirement applies.
D	This column displays the name of the party for which the minimum reserve requirement applies.
E	This column displays the minimum reserve requirement for the selected maintenance period.

Label	Field Description
F	This column displays the running average for the selected maintenance period.

TABLE 75 – MINIMUM RESERVE INFORMATION – LIST SCREEN FIELD DESCRIPTIONS

When the user right-clicks on a minimum reserve requirement in the list, a context menu appears that allows an authorised user to select one of two options.

- An authorised user can change the amount of a minimum reserve requirement by selecting the option Modify Minimum Reserve Requirement.
- An authorised user can add an additional balance that is to be taken into account for the calculation of the minimum reserve fulfilment.

7.1.3 MODIFY MINIMUM RESERVE REQUIREMENT – POP-UP

The *Modify Minimum Reserve Requirement* pop-up allows the user to change the amount of the minimum reserve requirement for the selected party.

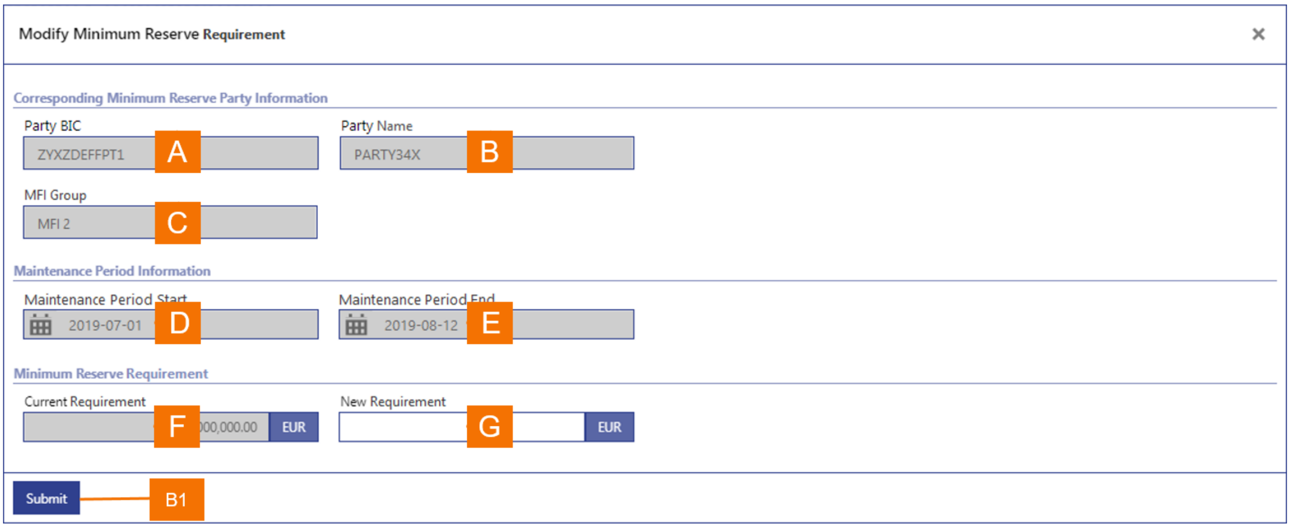


FIGURE 65 – MODIFY MINIMUM RESERVE REQUIREMENT – POP-UP

Label	Field Description
A	This filed displays the BIC of the party for which the user has selected the option to update the minimum reserve requirement.
B	This field displays the name of the party for which the user has selected the option to update the minimum reserve requirement.

Label	Field Description
C	When the selected BIC is the leader of an MFI group, this field displays the name of the MFI group for which the user has selected the option to update the minimum reserve requirement.
D	This field displays the start date of the minimum reserve maintenance period.
E	This field displays the end date of the minimum reserve maintenance period.
F	This field displays the current minimum reserve requirement for the selected maintenance period.
G	This field allows the user to enter new amount in order to change current minimum reserve requirement.

TABLE 76 – MODIFY MINIMUM RESERVE REQUIREMENT – POP-UP FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to submit the modified minimum reserve requirement for processing. When the user clicks on the *Submit* button, a pop-up box is displayed that requests the user to confirm or to cancel the modification. If the user clicks on the *Cancel* button in the pop-up, then the *Modify Minimum Reserve Requirement* screen reappears with the already entered information. If the user clicks on the *Save* button, then a success or error notification appears and returns the user to the *Minimum Reserve Information List* screen.

TABLE 77 – MODIFY MINIMUM RESERVE REQUIREMENT – POP-UP BUTTON DESCRIPTIONS

Note: it is possible in the screen Current Minimum Reserve Period End of Day Balances per Day for a central bank to insert or adjust balances for minimum reserve fulfilment held by a party with the respective CB.

7.1.4 CURRENT MINIMUM RESERVE PERIOD END OF DAY BALANCES PER DAY SCREEN

The *Current Minimum Reserve Period End of Day Balances per Day* screen lists the end-of-day balances for a party within a specified maintenance period.

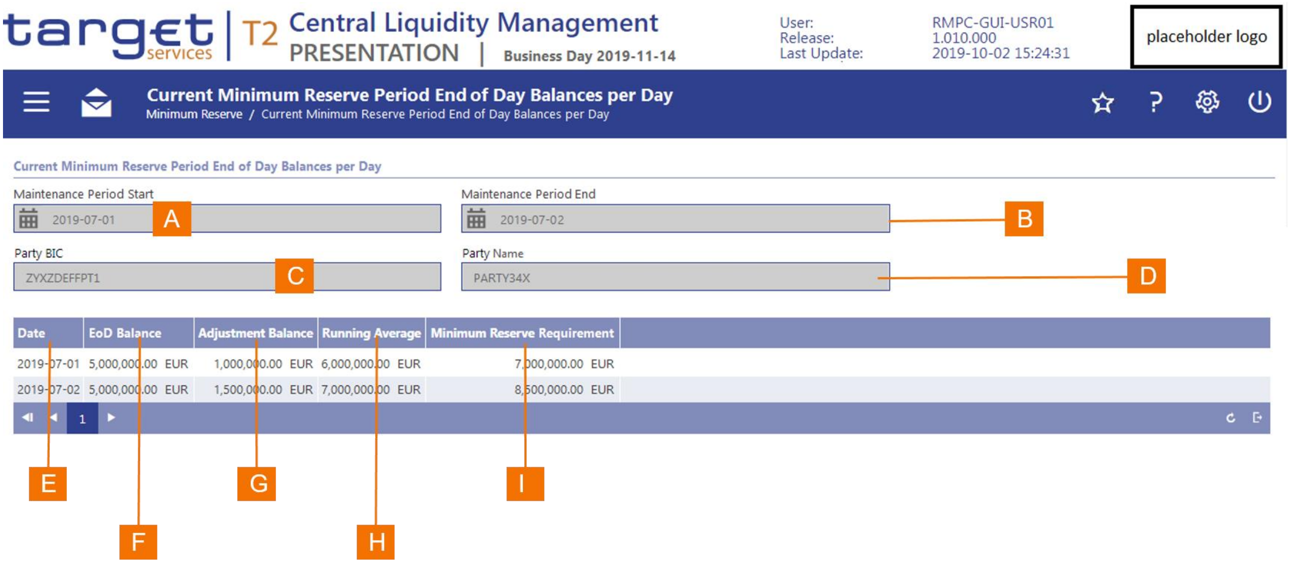


Figure 66 – Current Minimum Reserve Requirement Balance Period EoD Balances per Day Screen

Label	Field Description
A	This field displays the start date of the current minimum reserve maintenance period.
B	This field displays the end date of the current minimum reserve maintenance period.
C	This field displays the BIC of the party.
D	This field displays the name of the party.
E	This column displays the date of the EoD balance.
F	This column displays the total EoD balances of the cash accounts of the party.
G	This column displays the overall balance that is needed at the end of each business day in order to fulfil the minimum reserve requirement in the current minimum reserve maintenance period.
H	This column displays the running average for the party of the specified date.
I	This column displays the minimum reserve requirement for the party for the current minimum reserve maintenance period.

Table 78 – Current Minimum Reserve Requirement Balance Period EoD Balances per Day screen field descriptions

Only the end of day balances used for the calculation of the current minimum reserve period can be changed.

When a CB user has the privilege to maintain minimum reserve fulfilment to insert additional EoD balances of accounts held by a party with the respective CB, then a user can modify an EoD balance delta adjustment in the list through a right-click with the mouse that results in displaying a context menu.

7.2 Minimum Reserve (Direct and Intermediary)

The *Minimum Reserve (Direct and Intermediary) Query* screen allows the user to enter the BIC of a party to retrieve minimum reserve information. The input of a BIC is mandatory.

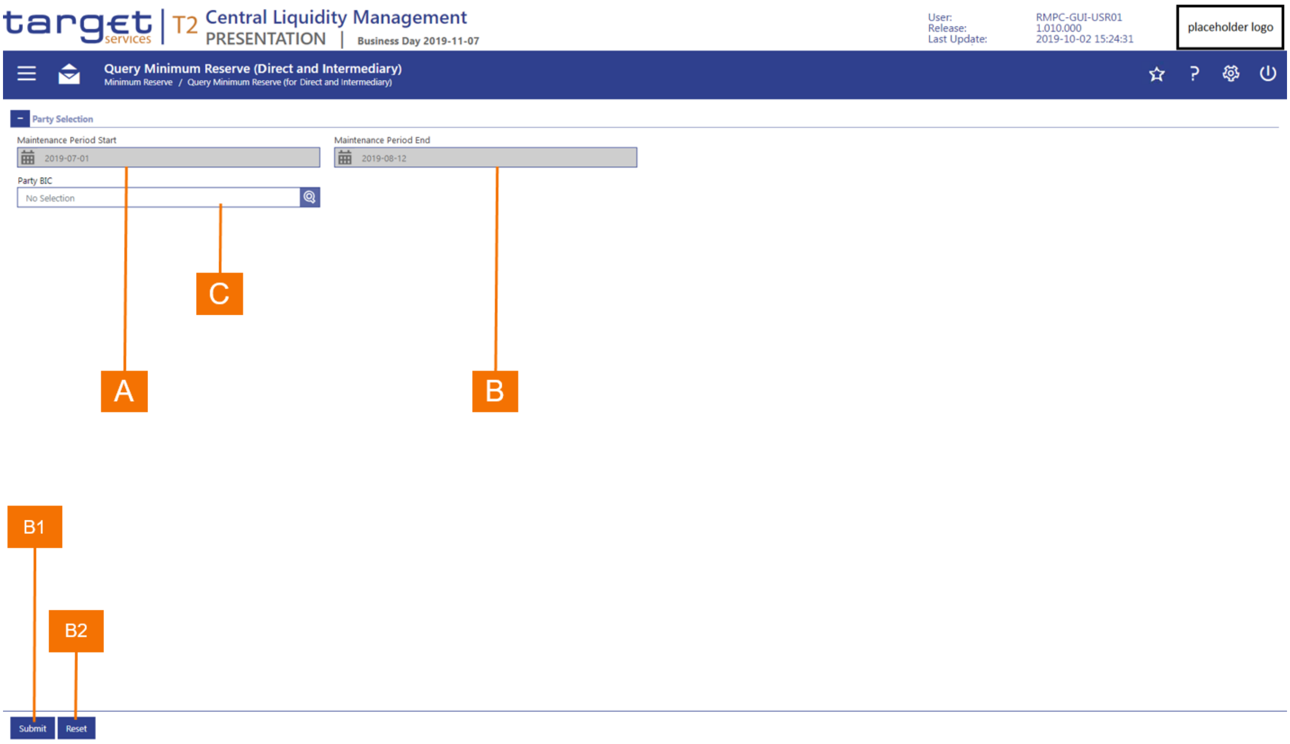


Figure 67 – Minimum Reserve (Direct and Intermediary) – Query Screen

Label	Field Description
A	This field displays the start date of the current minimum reserve maintenance period.
B	This field displays the end date of the current minimum reserve maintenance period.
C	This field allows the user to enter the BIC of a party.

Table 79 – Minimum Reserve (Direct and Intermediary) – Query screen field descriptions

Label	Button Description

Label	Button Description
B1	The *Submit* button allows the user to execute the retrieval of the minimum reserve.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 80 – MINIMUM RESERVE (DIRECT AND INTERMEDIARY) – QUERY SCREEN BUTTON DESCRIPTIONS

7.2.1 MINIMUM RESERVE (DIRECT AND INTERMEDIARY) – DISPLAY SCREEN

The *Minimum Reserve (Direct and Intermediary) Display* screen displays all minimum reserve requirements for the party BIC and the maintenance period that the user entered. When holding indirect minimum reserves, the different minimum reserve requirements for MFI are totalled up.

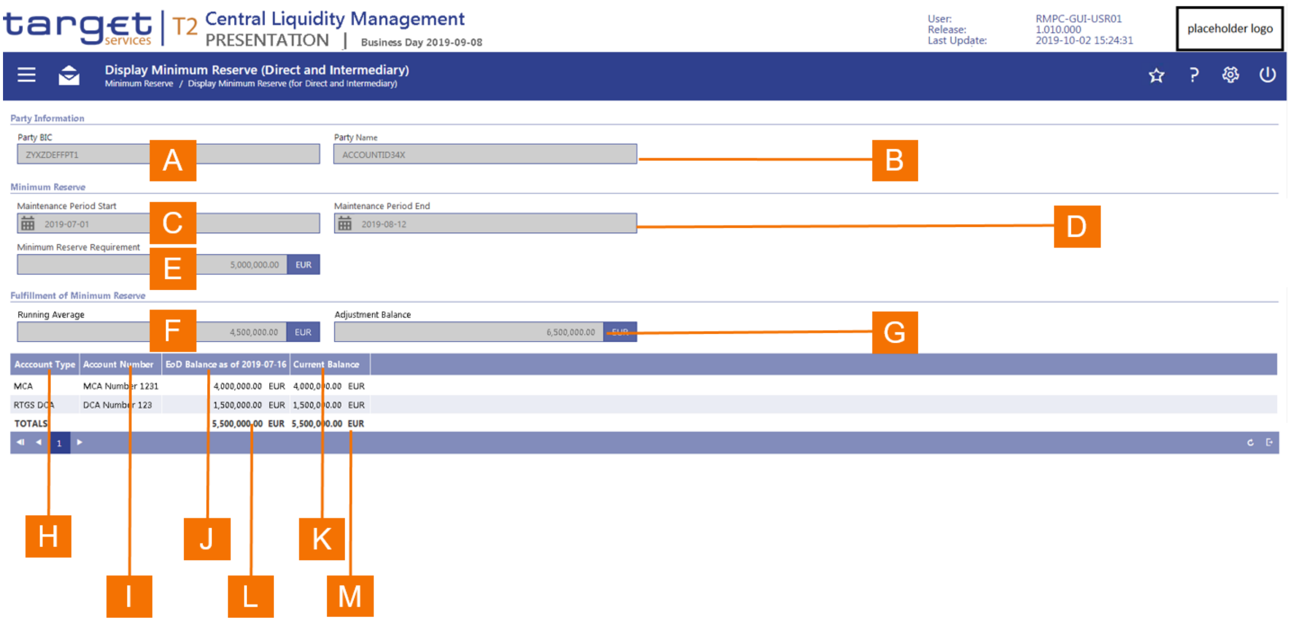


FIGURE 68 – MINIMUM RESERVE (DIRECT AND INTERMEDIARY) – DISPLAY SCREEN

Label	Field Description
A	This field displays the BIC of the party that is subject to the minimum reserve requirement.
B	This filed displays the name of the party that is associated with the BIC.
C	This field displays the start date of the minimum reserve maintenance period.
D	This field displays the end date of the minimum reserve maintenance period.
E	This field displays the amount of the minimum reserve requirement for the specified party and

Label	Field Description
	maintenance period.
F	This field displays the average balance that the party held on its cash accounts for the previous business days in the minimum reserve maintenance period to fulfil its minimum reserve requirement.
G	This field displays the total average balance that the party would have to hold on its cash accounts for the remaining business days in the minimum reserve maintenance period to fulfil its minimum reserve requirement.
H	This column displays the account type of the corresponding account number in the subsequent column in the list.
I	This column displays the identifier of a cash account.
J	This column displays the EoD balance of the cash account as of the previous business day.
K	This column displays the current balance of the cash account.
L	This field displays the sum of the EoD balances of the cash accounts as of the previous business day.
M	This field displays the sum of the current balances on the cash accounts.

TABLE 81 – MINIMUM RESERVE (DIRECT AND INTERMEDIARY) – DISPLAY SCREEN FIELD DESCRIPTIONS

7.3 MINIMUM RESERVE (POOL OF ACCOUNTS)

7.3.1 MINIMUM RESERVE (POOL OF ACCOUNTS) – QUERY SCREEN

The *Minimum Reserve (Pool of Accounts) Query* screen allows the user to enter the BIC of a party in a group of monetary financial institutions (MFI Group) to retrieve minimum reserve information for a pool of accounts for the current minimum reserve maintenance period. The input of a BIC is mandatory.

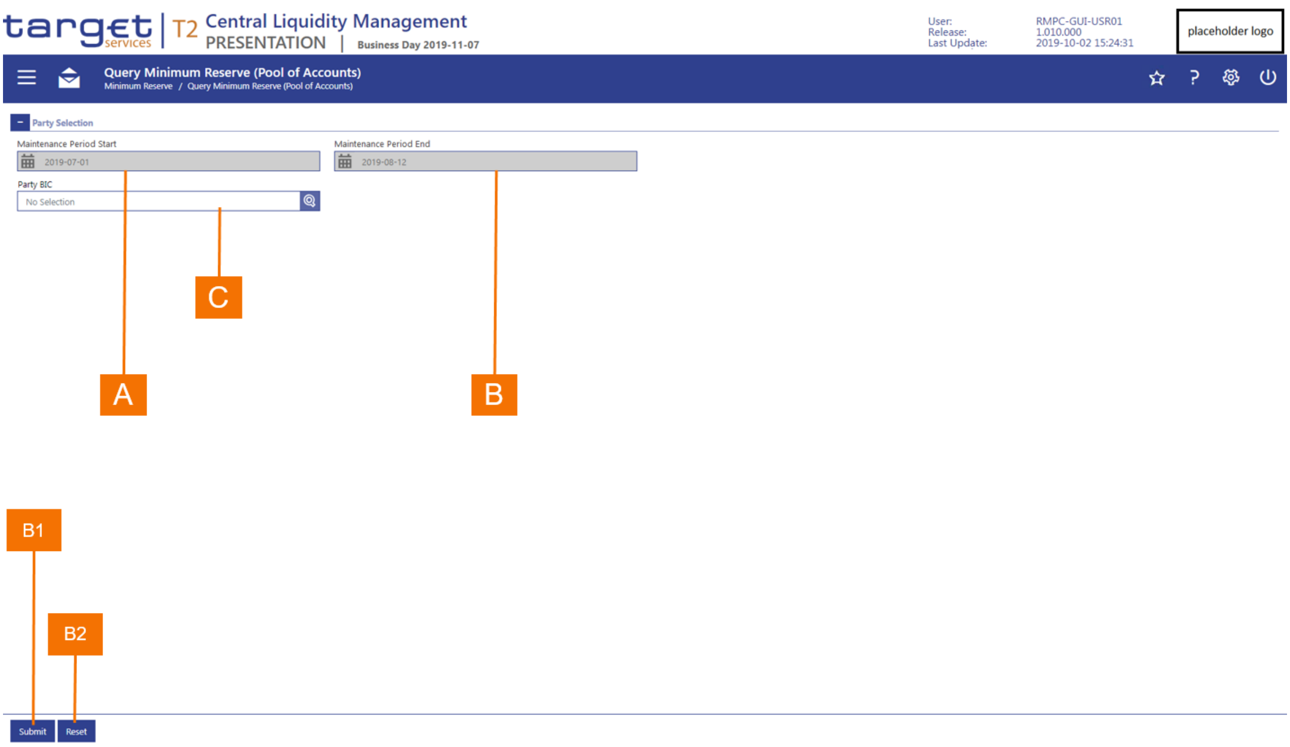


FIGURE 69 – MINIMUM RESERVE (POOL OF ACCOUNTS) – QUERY SCREEN

Label	Field Description
A	This field displays the start date of the current minimum reserve maintenance period.
B	This field displays the end date of the current minimum reserve maintenance period.
C	This field allows the user to enter the BIC of a party in a group of monetary financial institutions (MFI Group) to retrieve minimum reserve information for a pool of accounts

TABLE 82 – MINIMUM RESERVE (POOL OF ACCOUNTS) – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the retrieval of the minimum reserve.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 83 – MINIMUM RESERVE (POOL OF ACCOUNTS) – QUERY SCREEN BUTTON DESCRIPTIONS

7.3.2 Minimum Reserve (Pool of Accounts) – Display Screen

The *Minimum Reserve (Pool of Accounts) Display* screen displays the current balances across the cash accounts of all parties within the pool of accounts.

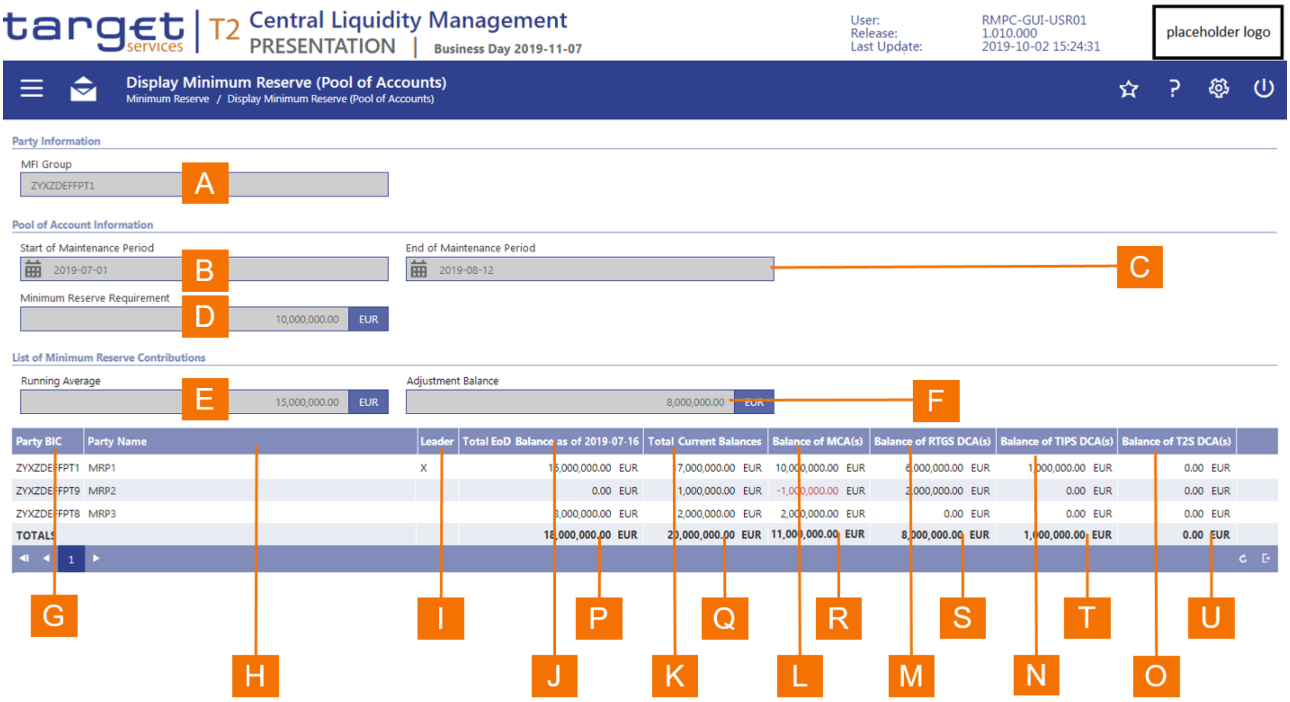


Figure 70 – Minimum Reserve (Pool of Accounts) – Display screen

Label	Field Description
A	This field displays the name of the MFI group for which the screen displays the current minimum reserve fulfilment.
B	This field displays the start date of the current minimum reserve maintenance period.
C	This field displays the end date of the current minimum reserve maintenance period.
D	This field displays the amount of the minimum reserve requirement for the specified MFI group and maintenance period.
E	This column displays the amount to which the specified MFI group fulfilled the minimum reserve requirement. It is the average amount of the end-of-day account balances of all the parties during the minimum reserve maintenance period that the MFI group includes.
F	This field displays the adjustment balance.
G	This column displays the BIC of a party that the MFI group includes.

Label	Field Description
H	This column displays the name of a party that the MFI group includes.
I	This column indicates whether the party is the leader of the MFI group.
J	This column displays the total EoD balance of all cash accounts of the party as of the previous business day.
K	This column displays the total current balance of all cash accounts of the party.
L	This column displays the total current balance of all main cash accounts in CLM of the party.
M	This column displays the total current balance of all RTGS dedicated cash accounts of the party.
N	This column displays the total current balance of all TIPS (instant payments) dedicated cash accounts of the party.
O	This column displays the total current balance of all T2S dedicated cash accounts of the party.
P	This field displays the total of all EoD balances of all cash accounts of all parties in the MFI group as of the previous business day.
Q	This field displays the total of all current balances of all cash accounts of all parties in the MFI group.
R	This field displays the total of all current balances of all main cash accounts of all parties in the MFI group.
S	This field displays the total of all current balances of all RTGS dedicated cash accounts of all parties in the MFI group.
T	This field displays the total of all current balances of all TIPS (instant payments) dedicated cash accounts of all parties in the MFI group.
U	This field displays the total of all current balances of all T2S dedicated cash accounts of all parties in the MFI group.

Table 84 – Minimum Reserve (Pool of Accounts) – Display screen field descriptions

A user can display the detailed account balances of a party in the list through a right-click that results in displaying a context menu. The context menu allows the user to display the *Minimum Reserve Party Details (Pool of Accounts) Display* screen for the selected party.

7.3.3 Minimum Reserve (Pool of Accounts – Party Level) – Display Screen

The *Minimum Reserve (Pool of Accounts - Party Level) Display* screen displays the current balances of the cash accounts of a selected party from the results list of the *Minimum Reserve (Pool of Accounts) Display* screen.

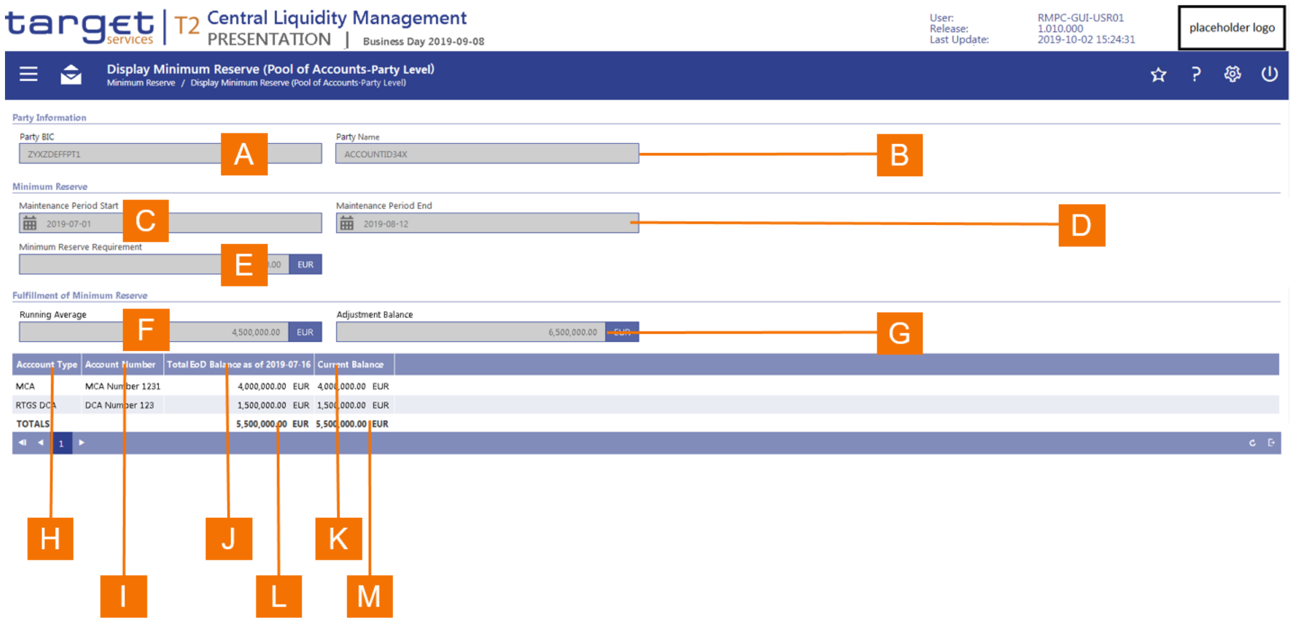


Figure 71 – Minimum Reserve (Pool of Accounts – Party Level) – Display screen

Label	Field Description
A	This field displays the BIC of the selected party.
B	This filed displays the name of the selected party.
C	This field displays the start date of the minimum reserve maintenance period.
D	This field displays the end date of the minimum reserve maintenance period.
E	This field displays the amount of the minimum reserve requirement for the specified party and minimum reserve maintenance period.
F	This field displays the average balance that the party held on its cash accounts for the previous business days in the minimum reserve maintenance period to fulfil its minimum reserve requirement.
G	This field displays the total average balance that the party would have to hold on its cash accounts for the remaining business days in the minimum reserve maintenance period to fulfil its minimum reserve requirement.

Label	Field Description
H	This column displays the account type of the corresponding account number in the subsequent column in the list.
I	This column displays the identifier of a cash account.
J	This column displays the EoD balance of the cash account as of the previous business day.
K	This column displays the current balance of the cash account.
L	This field displays the sum of the EoD balances of the cash accounts as of the previous business day.
M	This field displays the sum of the current balances on the cash accounts.

TABLE 85 – MINIMUM RESERVE (POOL OF ACCOUNTS – PARTY LEVEL) – DISPLAY SCREEN FIELD DESCRIPTIONS

7.4 MINIMUM RESERVE INFRINGEMENTS

The CLM GUI allows the user to query infringements of the minimum reserve requirement in order to process potential penalties for infringements.

7.4.1 MINIMUM RESERVE INFRINGEMENTS – QUERY SCREEN

The *Minimum Reserve Infringements Query* screen allows the user to enter the BIC of a party that is subject to the minimum reserve requirement in addition to allowing the user to specify the minimum reserve maintenance period and a penalty status.

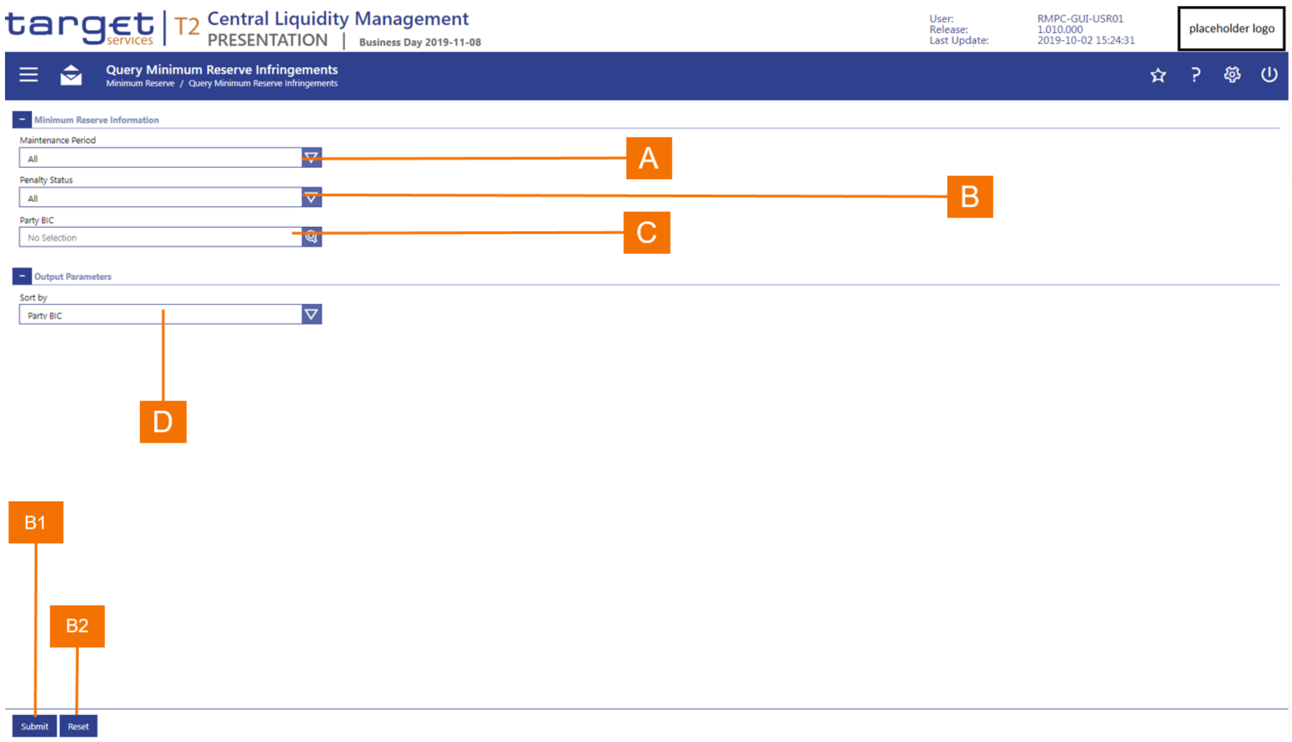


FIGURE 72 – MINIMUM RESERVE INFRINGEMENTS – QUERY SCREEN

Label	Field Description
A	This field allows the user to select a minimum reserve maintenance period for querying minimum reserve infringements.
B	This field allows a user to select a penalty status, e.g. it allows the user to select all minimum reserve infringements that are pending for penalty authorisation or penalty cancellation.
C	This field allows a user to enter the Party BIC for querying minimum reserve infringements.
D	This field allows the user to specify whether the results list is to be sorted by party BIC or penalty status.

TABLE 86 – MINIMUM RESERVE INFRINGEMENTS – QUERY SCREEN FIELD DESCRIPTIONS

The *Minimum Reserve Infringements Query* screen is subject to a specific validation and processing logic.

- The default setting of *Maintenance Period* field is the previous maintenance period. The expectation is that the user will generally want to process the latest infringements.
- The default setting of *Penalty Status* field is the state that identifies those infringements that the user still has to confirm or cancel. The expectation is that the user will generally want to search for those infringements that the user still has to process.

Label	Button Description
B1	The *Submit* button allows the user to execute the retrieval of the minimum reserve infringements based on the entered selection criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 87 – MINIMUM RESERVE INFRINGEMENTS – QUERY SCREEN BUTTON DESCRIPTIONS

7.4.2 MINIMUM RESERVE INFRINGEMENTS – LIST SCREEN

The *Minimum Reserve Infringements* list screen displays all minimum reserve infringements that fulfil the selection criteria that the user entered in the corresponding query screen.

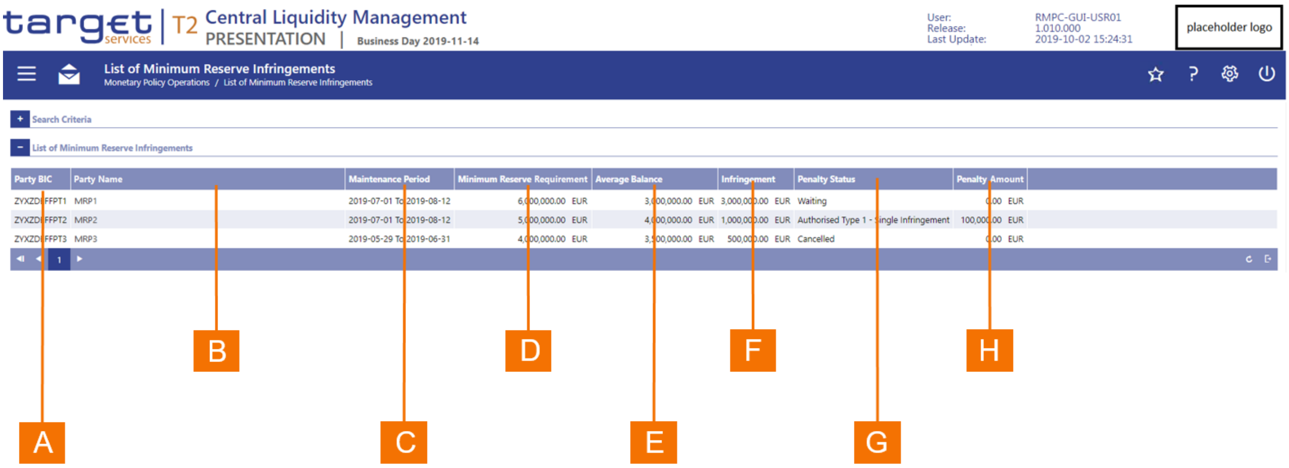


FIGURE 73 – MINIMUM RESERVE INFRINGEMENTS – LIST SCREEN

Label	Field Description
A	This column displays the BIC of the party that is subject to the minimum reserve infringement.
B	This column displays the name of the party that is associated with the BIC.
C	This column displays the start date and the end date of the maintenance period, as a single field.
D	This column displays the amount of the minimum reserve requirement for the specified party and minimum reserve maintenance period.
E	This column displays the amount to which the specified party fulfilled the minimum reserve requirement. It is the average amount of the end-of-day account balances of the party during the

Label	Field Description
	minimum reserve maintenance period.
F	This column displays the minimum reserve infringement as an amount.
G	This column displays the processing status of the minimum infringement penalty.
H	This column displays the calculated penalty amount for the minimum reserve infringement. A row in the column contains a dash to indicated a null value when - the user cancelled the penalty, or - the user has not approved the penalty.

Table 88 – Minimum Reserve Infringements – List screen field descriptions

When a user has the privilege to maintain minimum reserve infringement penalties, then a user can modify the penalty status of a selected infringement in the list through a right-click with the mouse that results in displaying a context menu. The context menu only appears when the infringement penalty is not in its final state.

Note: it is possible to download a .csv file via the export icon on the bottom right of the screen.

7.4.3 Create Minimum Reserve Penalty Order – Pop-Up

When the user clicks on the context menu, it results in the display of the *Create Minimum Reserve Penalty Order* pop-up.

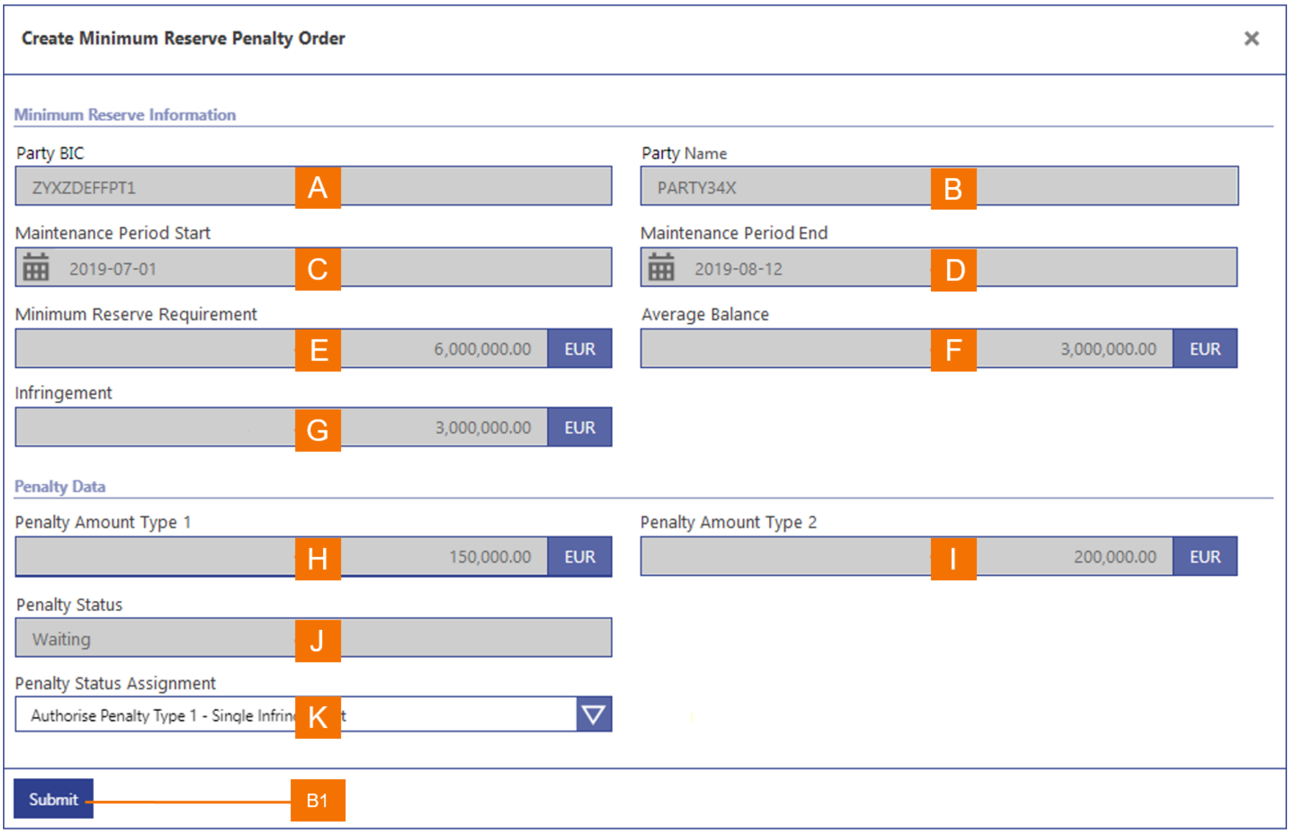


Figure 74 – Create Minimum Reserve Penalty Order – pop-up

Label	Field Description
A	This field displays the BIC of the party that is subject to the minimum reserve infringement.
B	This field displays the name of the party that is associated with the BIC.
C	This fields documents the day as which the minimum reserve maintenance period started.
D	This fields documents the day as which the minimum reserve maintenance period ended.
E	This field displays the amount of the minimum reserve requirement for the specified party and maintenance period.
F	This fields displays the amount to which the specified party fulfilled the minimum reserve requirement. It is the average amount of the end-of-day account balances of the party during the minimum reserve maintenance period.
G	This field displays the minimum reserve infringement as an amount.
H	This field displays the penalty amount for a single infringement that CLM calculated.

Label	Field Description
I	This field displays the penalty amount for a repeated infringement that CLM calculated.
J	This field displays the current status of the minimum infringement penalty.
K	This field allows the user to select a status for the minimum infringement penalty.

Table 89 – Create Minimum Reserve Penalty Order – Pop-up Field Descriptions

Label	Button Description
B1	The *Submit* button allows the user to initiate the approval or cancellation of the infringement penalty. When the user clicks on the *Submit* button, a further pop-up box is displayed that requests the user to confirm or to cancel the modification. If the user clicks on the *Cancel* button in the pop-up, then the *Create Minimum Reserve Penalty Order* pop-up reappears. If the user clicks on the Save button, then a success or error notification appears and returns the user to the *Minimum Reserve Infringement List* screen.

Table 90 – Create Minimum Reserve Penalty Order – Pop-up Button Descriptions

8 REFERENCE DATA

8.1 PARTY REFERENCE DATA

8.1.1 PARTY REFERENCE DATA – QUERY SCREEN

The *Party Reference Data Query* screen allows a user to enter selection criteria to query party reference data.

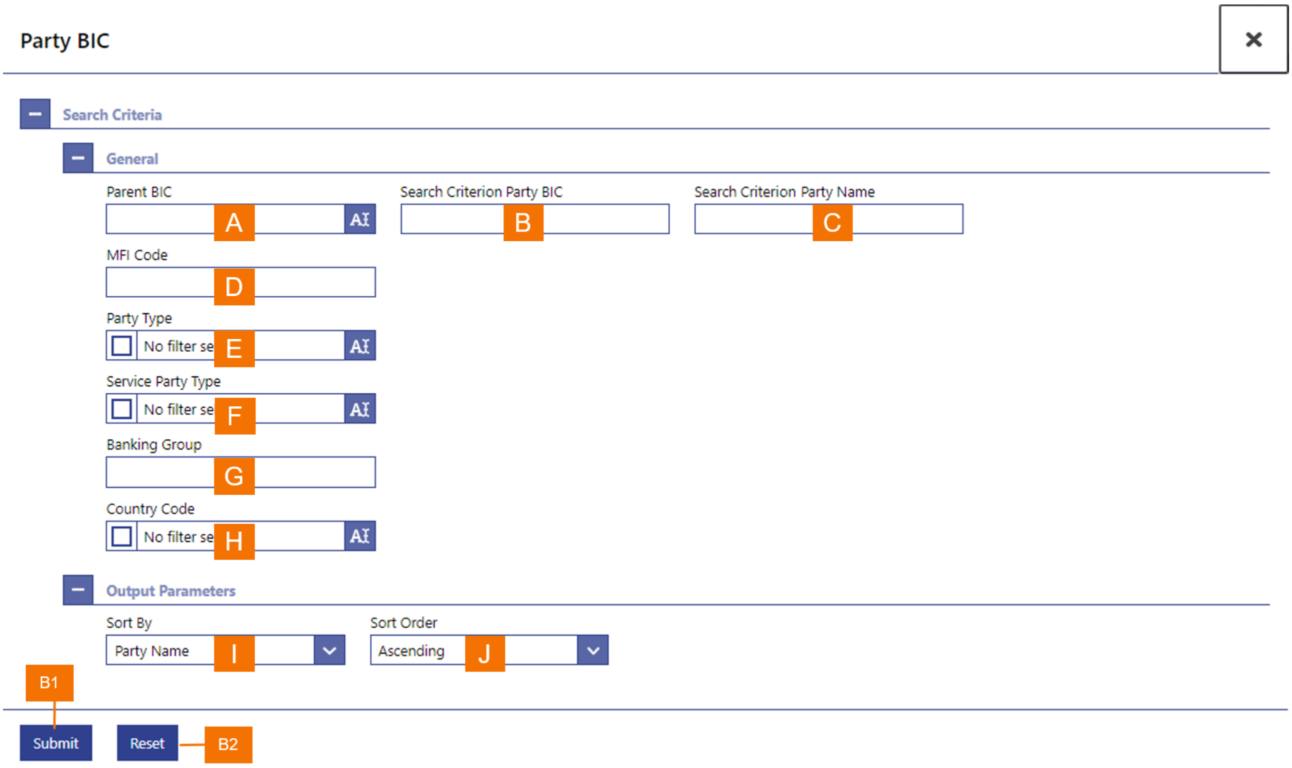


FIGURE 75 – PARTY REFERENCE DATA – QUERY SCREEN

Label	Field Description
A	This field allows the user to select parties based on their parent BIC.
B	This field allows the user to select parties based on their party BIC.
C	This field allows the user to select parties based on their party name.
D	This field allows the user to select parties based on their MFI code.

Label	Field Description
E	This field allows the user to select parties based on their party type.
F	This field allows the user to select parties based on their service party type.
G	This field allows the user to select parties that are assigned to a specific banking group.
H	This field allows the user to select parties which are assigned to a central bank with a specific country code. One or more country codes can be selected.
I	This field allows the user to enter the attribute by which CLM is to sort the list of party reference data.
J	This field allows the user to specify whether CLM should sort the list in ascending or descending order.

Table 91 – Party Reference Data – Query Screen field descriptions

Label	Button Description
B1	The *Submit* button allows the user to execute the search of the parties based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

Table 92 – Party Reference Data – Query Screen button descriptions

8.1.2 Party Reference Data – List Screen

The *Party Reference Data List* screen displays the reference data of the parties that fulfil the selection criteria that the user entered in the query screen.

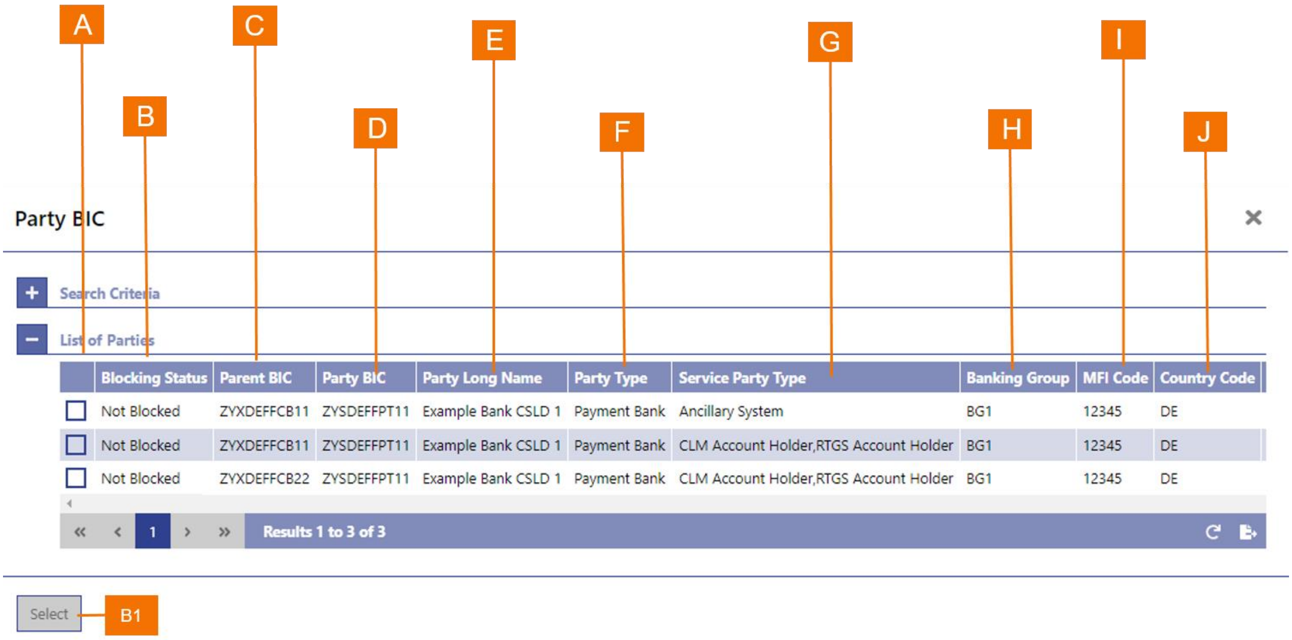


FIGURE 76 – PARTY REFERENCE DATA – LIST SCREEN

Label	Field Description
A	This column allows the user to select one or more parties from the list when the smart select box for the party BIC allows a multiple selection. The column only allows the user to select one entry when the smart select box only requires the input of one party BIC.
B	This column displays the current blocking status for the party.
C	This column displays the parent BIC of the listed party.
D	This column displays the party BIC of the listed party.
E	This column displays the BIC of the listed party.
F	This column displays the full name of the listed party.
G	This column displays the service allocation of the listed party.
H	This column displays the banking group to which the listed party is assigned.
I	This column displays the monetary financial institution (MFI) code of the party.
J	This column displays the country to which the listed party is allocated.

TABLE 93 – PARTY REFERENCE DATA – LIST SCREEN FIELD DESCRIPTIONS

When positioning the cursor over an entry in the list and clicking the right mouse button, the user has the possibility through a context menu to display the cash accounts related to this party.

8.2 Cash Account Reference Data

8.2.1 Cash Account Reference Data – Pop-up Screen

The *Cash Account Reference Data Query* pop-up appear when the user clicks on the magnifying glass of an *Account Number* input field or an *Account Number BIC* field. The purpose of the pop-up is to allow a user to search for a cash account when the user does not know the exact account number.

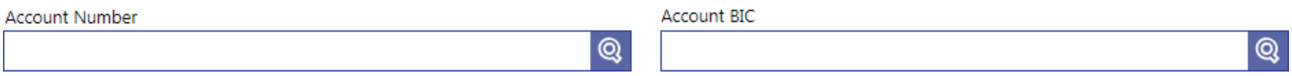


Figure 77 – Account Number and Account BIC Input Field Example

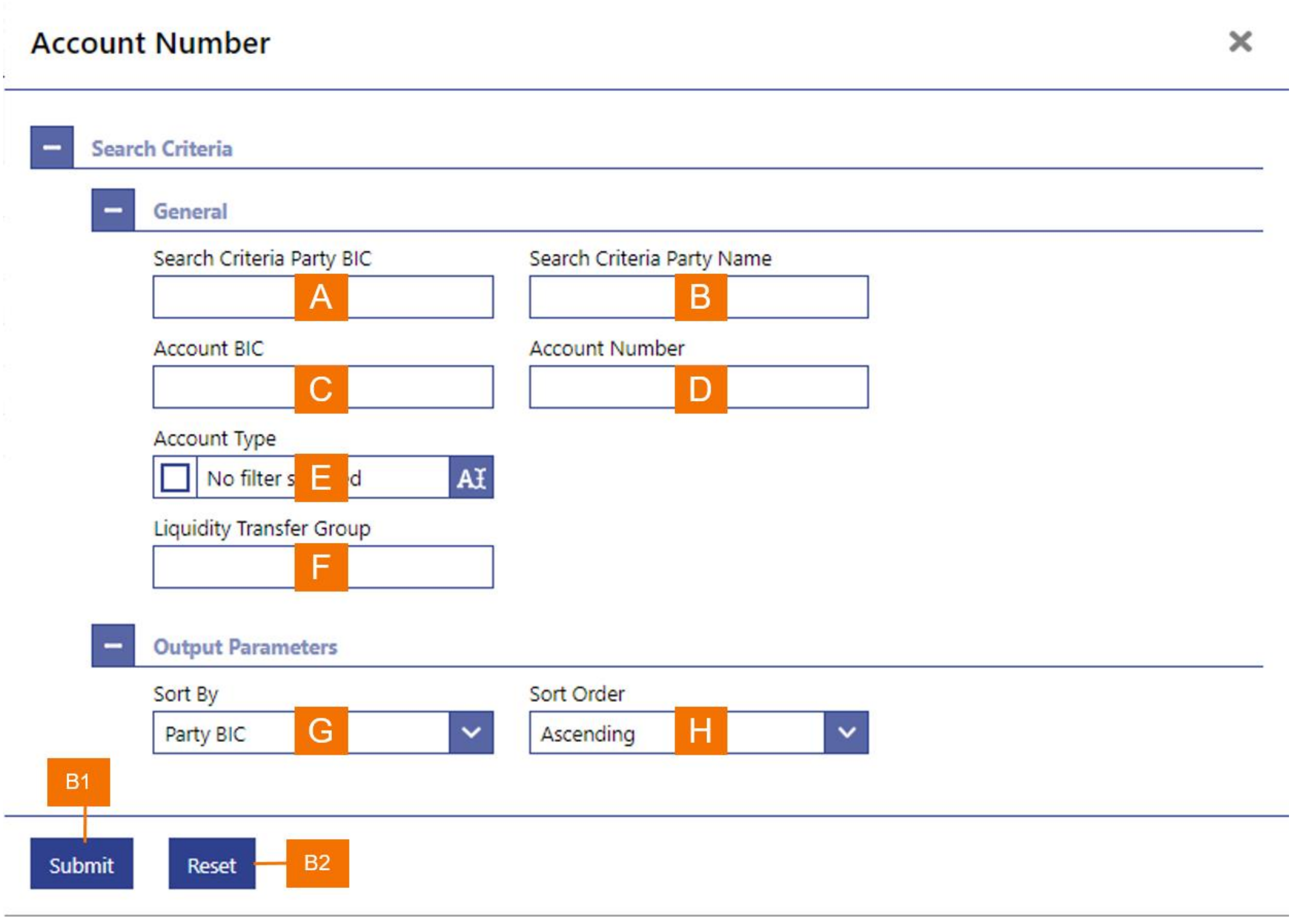


Figure 78 – Cash Account Reference Data – Query Screen

Label	Field Description
A	This field allows the user to enter a set of characters for the party BIC in order to search for cash accounts where the Party BIC matches the character string that the user entered.
B	This field allows the user to enter a set of characters for the party name in order to search for cash accounts where the party name matches the character string that the user entered.
C	This field allows the user to enter a set of characters for the account BIC in order to search for cash accounts where the account BIC matches the character string that the user entered.
D	This field allows the user to enter a set of characters for the account number in order to search for cash accounts where the account number matches the character string that the user entered.
E	This list box allows the user to identify cash accounts with the selected account type(s).
F	This field allows the user to enter a set of characters for the liquidity transfer group in order to search for cash accounts where the account is included in a liquidity transfer group that matches the character string that the user entered.
G	This field allows the user to determine if the results list is to be sorted by party BIC, account BIC or account number.
H	This field allows the user to select whether the results list is to be sorted in ascending or descending order of the selected sort criterion.

Table 94 – Cash Account Reference Data – Query Screen field descriptions

Label	Button Description
B1	The *Submit* button allows the user to execute the search of the cash accounts based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

Table 95 – Cash Account Reference Data – Query Screen button descriptions

8.2.2 Cash Account Reference Data – List Screen

The *Cash Account Reference Data – List Screen* displays the reference data of the cash accounts that fulfil the selection criteria that the user entered in the query screen.

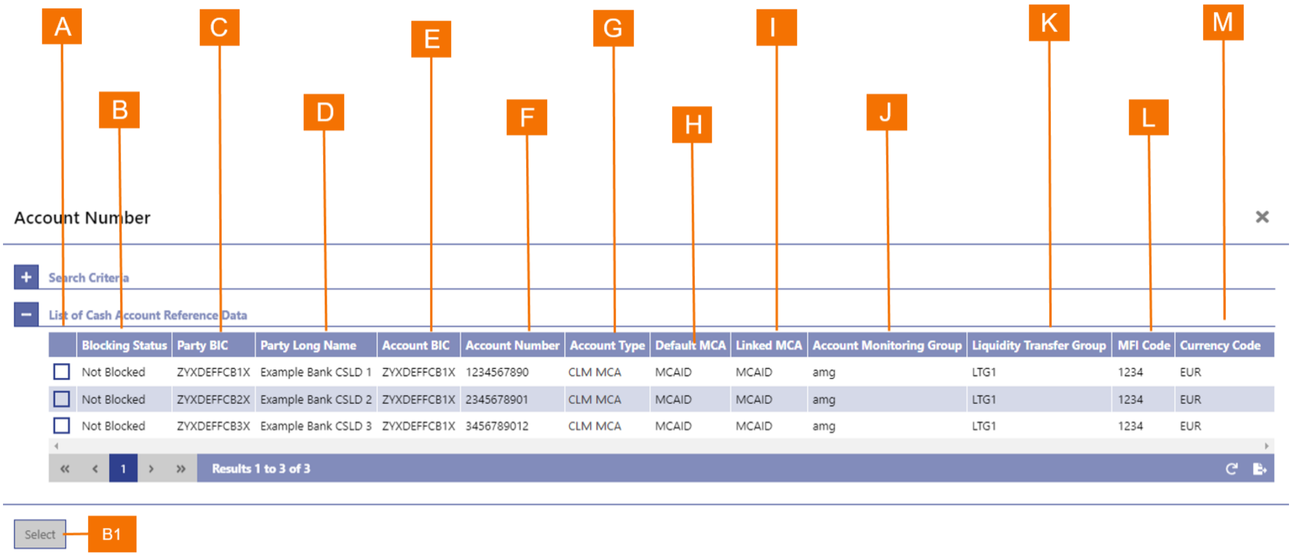


FIGURE 79 – CASH ACCOUNT REFERENCE DATA – LIST SCREEN

Label	Field Description
A	This column allows the user to select one or more cash accounts from the list when the smart select box for the account BIC or account number allow a multiple selection. The column only allows the user to select one entry when the smart select box only requires the input of one account BIC or account number.
B	This column displays the current blocking status for the cash account.
C	This column displays the BIC of the party that owns the cash account.
D	This column displays the account BIC of the cash account.
E	This column displays the account number of the cash account.
F	This column displays the classification of the cash account.
G	This column displays the default main cash account in CLM for the cash account.
H	This column displays the main cash account in CLM to which the cash account is linked.
I	This column displays the account monitoring group to which the cash account is assigned.
J	This column displays the liquidity monitoring group to which the cash account is assigned.
K	This column displays whether sub-accounts are linked to the listed cash account.

Label	Field Description
L	This column displays the monetary financial institution (MFI) code of the party that owns the cash account.
M	This column displays the three-character ISO currency code of the cash account.

TABLE 96 – CASH ACCOUNT REFERENCE DATA – LIST SCREEN FIELD DESCRIPTIONS

8.3 BICs

8.3.1 BICs – Query Screen

The *BIC Query* pop-up appears when the user clicks on the magnifying glass of a BIC field that does not reference a party in RTGS, i.e. fields such as debtor, creditor, instructing parties and the like when inputting a cash transfer order. The purpose of the pop-up is to allow a user to search for a BIC when the user does not know the exact BIC of the entity that the user is looking for.

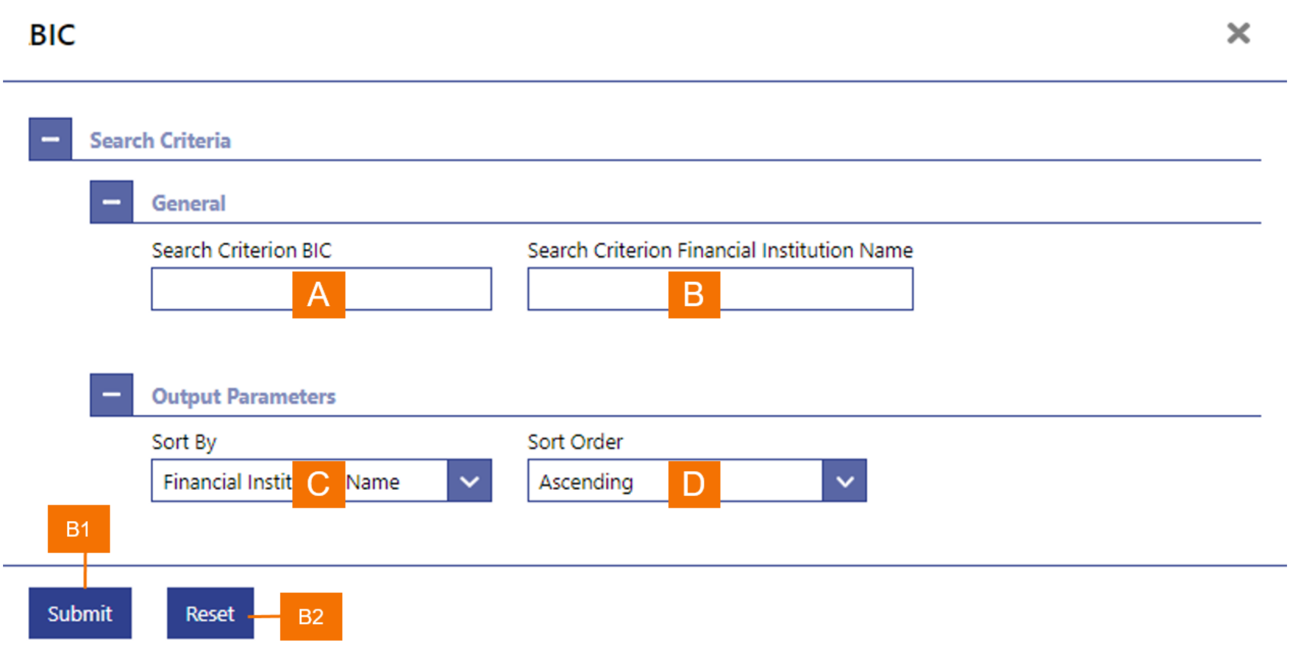


FIGURE 80 – BICS – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter a set of characters for the BIC in order to search for BICs of financial institutions where the BIC matches the character string that the user entered.

Label	Field Description
B	This field allows the user to enter a set of characters for the name of a financial institution in order to search for BICs of financial institutions where the name matches the character string that the user entered.
C	This field allows the user to determine if the results list is to be sorted by the financial institution name or the BIC.
D	This field allows the user to select whether the results list is to be sorted in ascending or descending order of the selected sort criterion.

TABLE 97 – BICS – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the search of the BICs based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 98 – BICS – QUERY SCREEN BUTTON DESCRIPTIONS

8.3.2 BICs – List Screen

The *BICs List Screen* displays the BICs that fulfil the selection criteria that the user entered in the query screen.

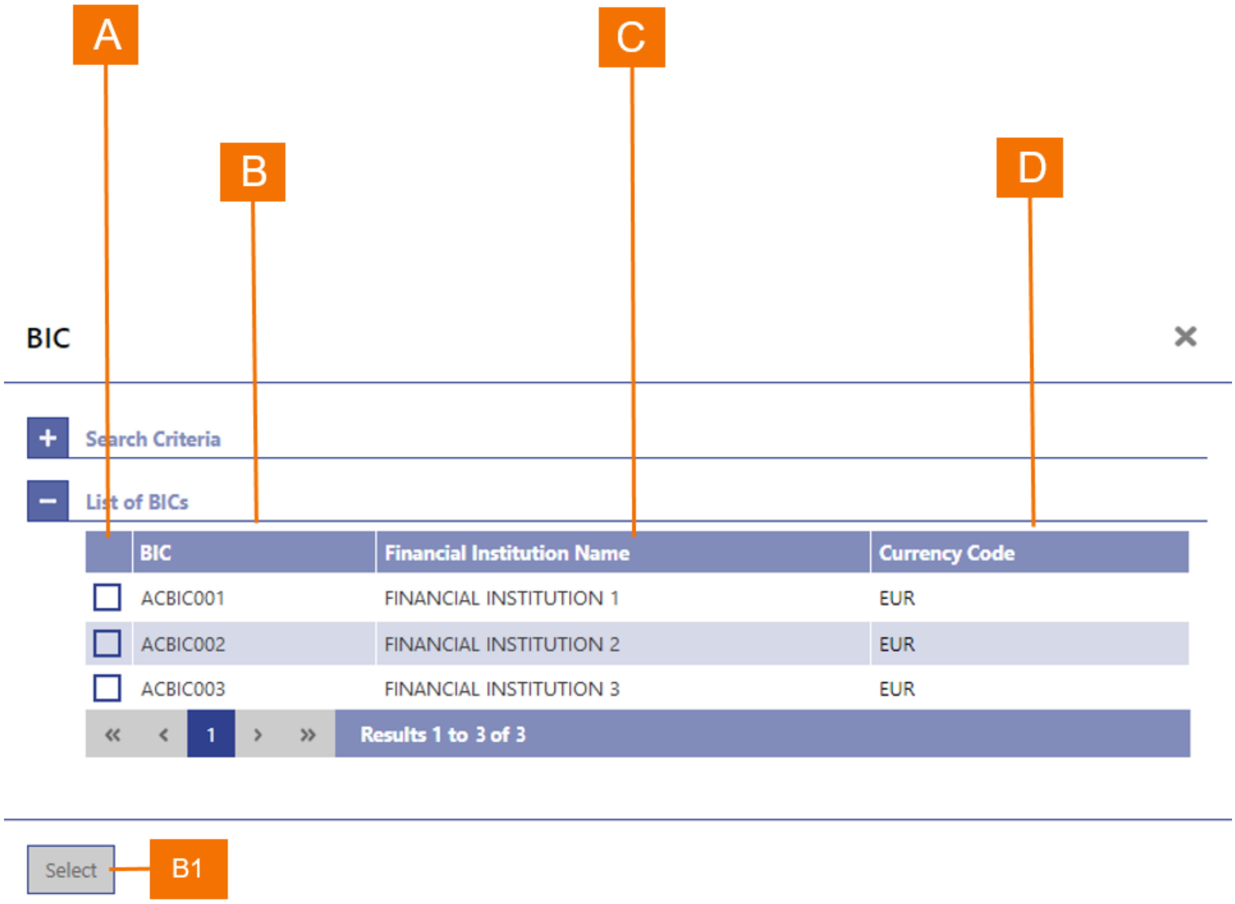


FIGURE 81 – BICS – LIST SCREEN

Label	Field Description
A	This column allows the user to select one or more BICs from the list when the smart select box for a BIC allows a multiple selection. The column only allows the user to select one entry when the smart select box only requires the input of a single BIC.
B	This column displays the BIC.
C	This column displays the name of the financial institution to which the BIC is assigned.
D	This column displays the three-character code.

TABLE 99 – BICS – LIST SCREEN BUTTON DESCRIPTIONS

9 ADMINISTRATION

9.1 TASK QUEUE

9.1.1 TASK QUEUE – QUERY SCREEN

The *Task Queue Query Screen* allows the user to query task that are pending approval through a second user. It also allows a user to query already approved or cancelled tasks.

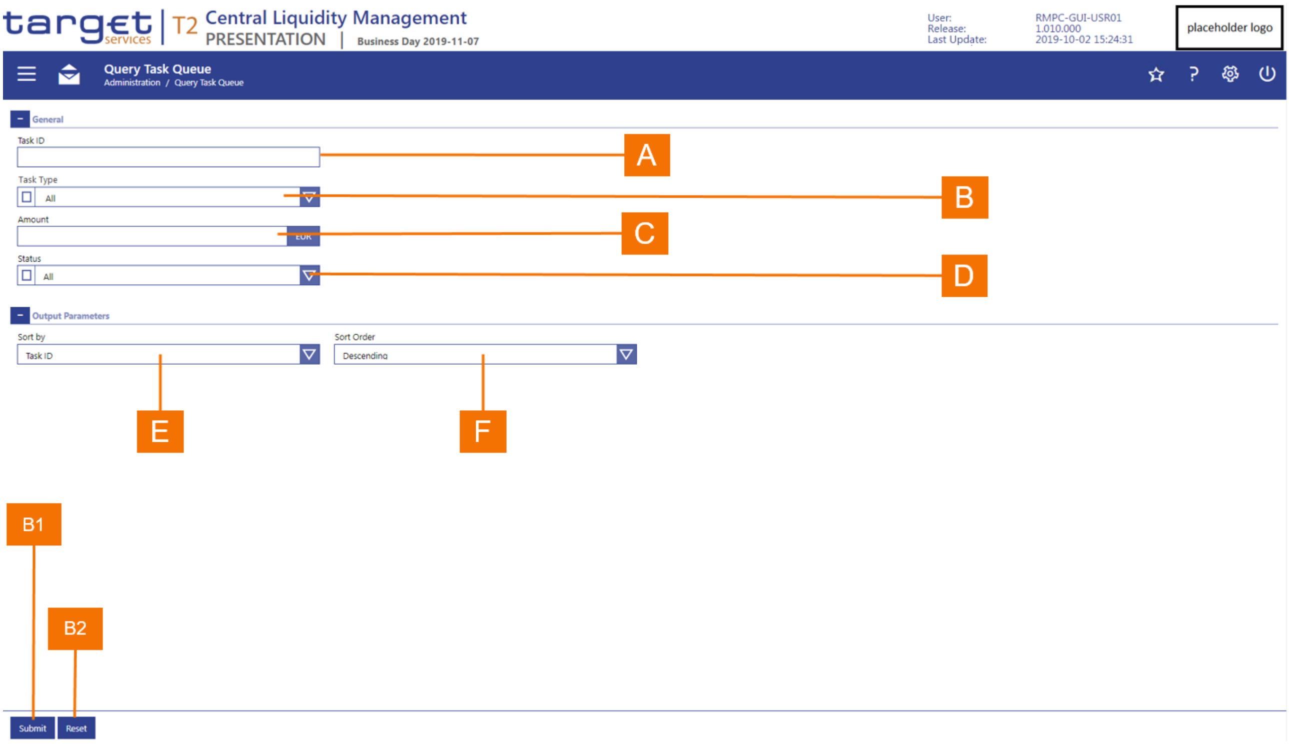


FIGURE 82 – TASK QUEUE – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter the unique identifier of a task.
B	This field allows the user to select one or more task types.
C	This field allows the user to select tasks based on an exact amount.
D	This field allows the user to query tasks by selecting one or more task processing statuses.

Label	Field Description
E	This field allows the user to select the sort criterion for the results list.
F	This field allows the user to select whether the results list is to be sorted in ascending or descending order of the selected sort criterion.

TABLE 100 – TASK QUEUE – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the query.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 101 – TASK QUEUE – QUERY SCREEN BUTTON DESCRIPTIONS

9.1.2 TASK QUEUE – LIST SCREEN

The *Task Queue List screen* displays all the tasks that fulfil the selection criteria that the user entered in the query screen.

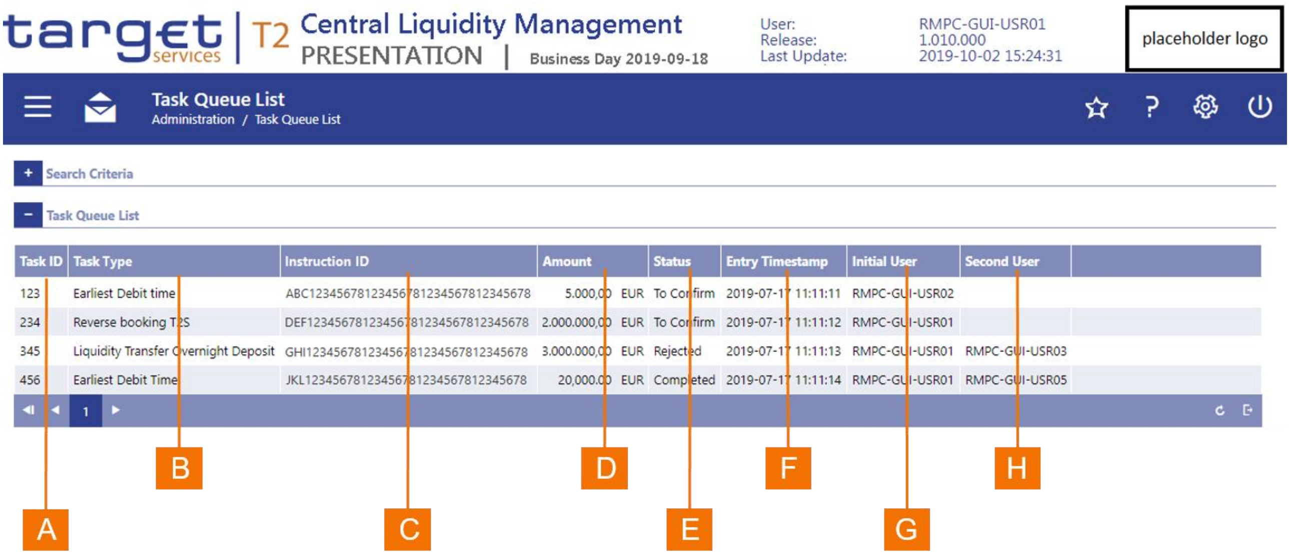


FIGURE 83 – TASK QUEUE – LIST SCREEN

Label	Field Description
A	This column displays the unique identifier of the task.

Label	Field Description
B	This column displays the type of change that the user made.
C	This column displays the business reference of the instruction that the user changed.
D	This column displays the amount that is subject of the task.
E	This column displays the current status of the task.
F	This column displays the timestamp for the entry of the task onto the task queue.
G	This column displays the user identification of the user who created the task.
H	This column displays for processed tasks the user identification of the user who confirmed or rejected the task.

TABLE 102 – TASK QUEUE – LIST SCREEN FIELD DESCRIPTIONS

The *Task Queue List screen* is subject to a specific processing logic.

- When the user selects one or more items for confirmation or rejection, then a pop-up with the list of selected items appears that requests the user to submit or cancel the selected operation.
  - If the user clicks on the submit button in the pop-up, then a success or error notification appears and returns the user to the *Task Queue List* screen.
  - If the user clicks on the Cancel button in the pop-up, then the *Task Queue List* screen reappears with the previously selected tasks still marked for processing.

9.1.3 TASK QUEUE – DETAILS SCREEN

The *Task Queue - Details Screen* displays the task from the task queue that the user selected form the *Task Queue - List Screen*. The explanation hereafter is just one example because every task has its own screen.

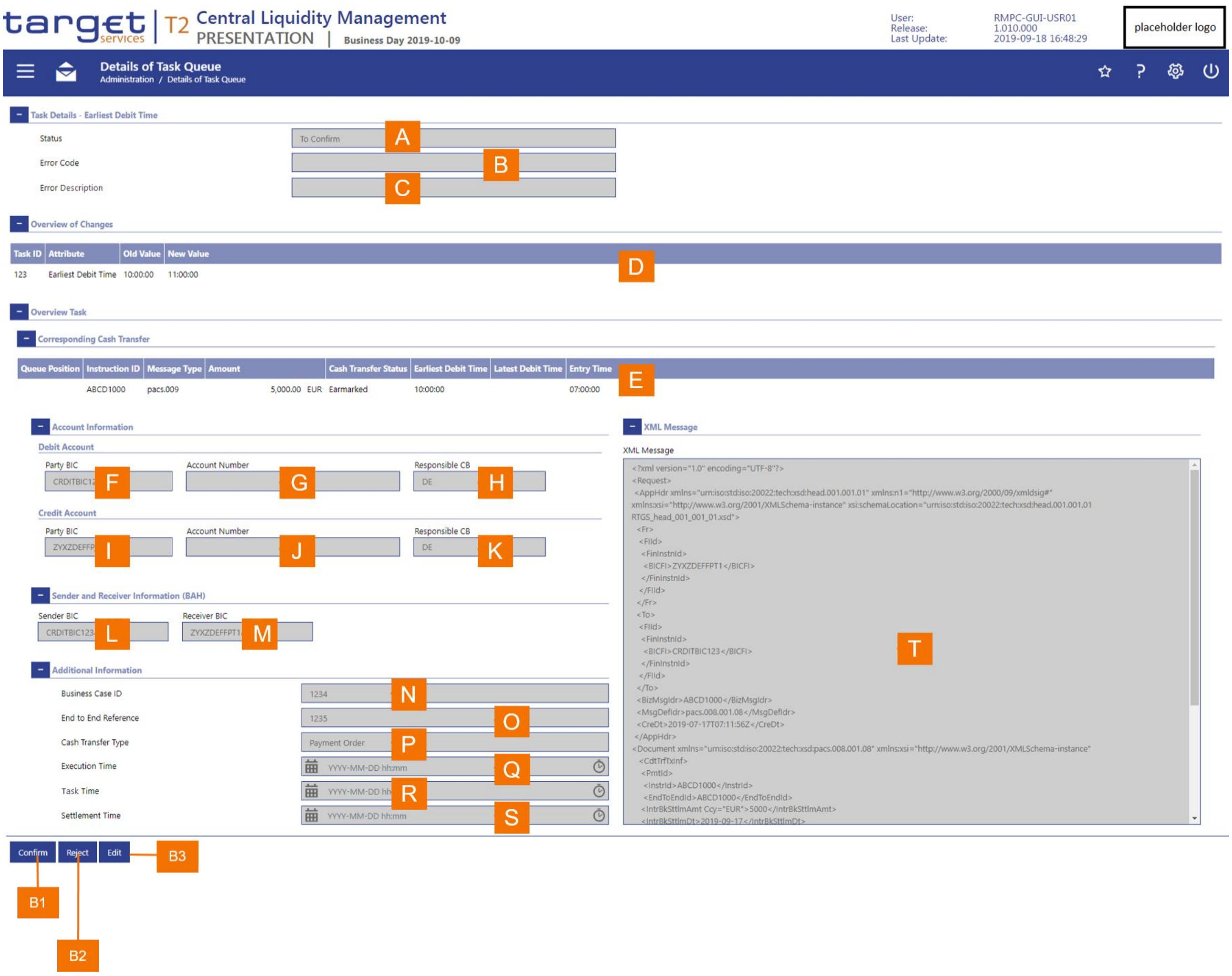


FIGURE 84 – TASK QUEUE – DETAILS SCREEN

Label	Field Description
A	This field displays the current status of the task, i.e. - To confirm - Confirmed - Rejected
B	This field displays an error code, if an error occurred in the processing of the task.
C	This field displays the error text associated to the error code, if an error occurred in the processing of the task.
D	This section displays the change that requires processing. It displays:

Label	Field Description
	- Task ID, i.e. the unique identifier that the application assigned to the task; - Attribute, i.e. the field name that is subject to the tasks; - Old Value, i.e. the content of the attribute before the change; - New Value, i.e. the content of the attribute after the change.
E	This section summarises the details of the cash transfer order that is subject to the task. It displays: - Queue Position, i.e. the position of the cash transfer order in the settlement queue when the cash transfer order remains unsettled; - Instruction ID, the unique identifier of the cash transfer order; - Message Type, i.e. the ISO name of the message from which the application generated the cash transfer order; - Amount, i.e. the currency and amount of the cash transfer order; - Cash Transfer status; - Earliest Debit Time; - Latest Debit Time; - Entry Time, i.e. the time at which the cash transfer order was generated from the message or input.
F	This field displays BIC of the party whose account the cash transfer order will debit/debited.
G	This field displays the account number of the party that the cash transfer order will debit/debited.
H	This field displays the country code of the central bank at which the cash account or subaccount of the party that the cash transfer order will debit/debited is held.
I	This field displays BIC of the party whose account the cash transfer order will credit/credited.
J	This field displays the account number of the party that the cash transfer order will credit/credited.
K	This field displays the country code of the central bank at which the cash account or subaccount of the party that the cash transfer order will credit/credited is held.
L	This field displays the BIC of the party that sent the message pertaining to the cash transfer order.
M	This field displays the BIC of the party that received the message pertaining to the cash transfer order.
N	This field displays the unique identifier that the application has assigned to the life cycle pertaining to the cash transfer order.

Label	Field Description
O	This field displays the end-to-end reference identifier that was included in the cash transfer order.
P	This field displays the type of cash transfer order, e.g. payment order, liquidity transfer order, etc.
Q	This field displays the date and time at which CLM executed the task.
R	This field displays the date and time at which CLM generated the task.
S	The field displays the date and time at which the settlement engine application settled the cash transfer order. It is blank for cash transfer orders that have not settled.
T	This field displays the XML message from which CLM generated the underlying task.

TABLE 103 – TASK QUEUE – DETAILS SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Confirm* button allows the user to approve the action, as defined by the task.
B2	The *Reject* button allows the user to reject the action, as defined by the task.
B3	The *Edit* button allows the user to change the value of an attribute, as defined by the task

TABLE 104 – TASK QUEUE – DETAILS SCREEN BUTTON DESCRIPTIONS

The *Task Queue Details Screen* is subject to a specific processing logic.

- When the user executes the confirmation or rejection button, then a pop-up with the list of selected items appears that requests the user to submit or cancel the selected operation.
  - If the user clicks on the submit button in the pop-up, then a success or error notification appears and returns the user to the *Task Queue - Details Screen*.
  - If the user clicks on the Cancel button in the pop-up, then the *Task Queue - Details Screen* re-appears with the previously selected tasks still marked for processing.
- When the user executes the edit button, then the field subject to change, as defined by the tasks, changes from display mode to edit mode and a Submit and Cancel button appear.
  - If the user clicks on the Submit button, then a success or error notification appears and returns the user to the *Task Queue - Details Screen*.
  - If the user clicks on the Cancel button, then the *Task Queue Details Screen* reappears without the modification of the user.

9.2 BROADCASTS

Broadcasts are information messages that CLM simultaneously provides to users through both the A2A and U2A interfaces. Broadcasts are either settlement-related or operations-related. CLM automatically generates settlement-related broadcasts on the basis of an explicitly defined event during the business day. Central banks and the operator can create operations-related broadcasts. They will be sent as normal or alert broadcasts during the business day. A central bank or the operator creates operations-related broadcasts through the GUI. Users can query existing broadcasts and can display the details of a broadcast through the GUI.

9.2.1 BROADCASTS – QUERY SCREEN

The *Broadcasts Query* screen allows the user to search and list the broadcast that are currently available in CLM. When selecting the *Broadcasts Query Screen* menu option, the initial search screen for broadcasts appears and allows the user to enter the selection criteria.

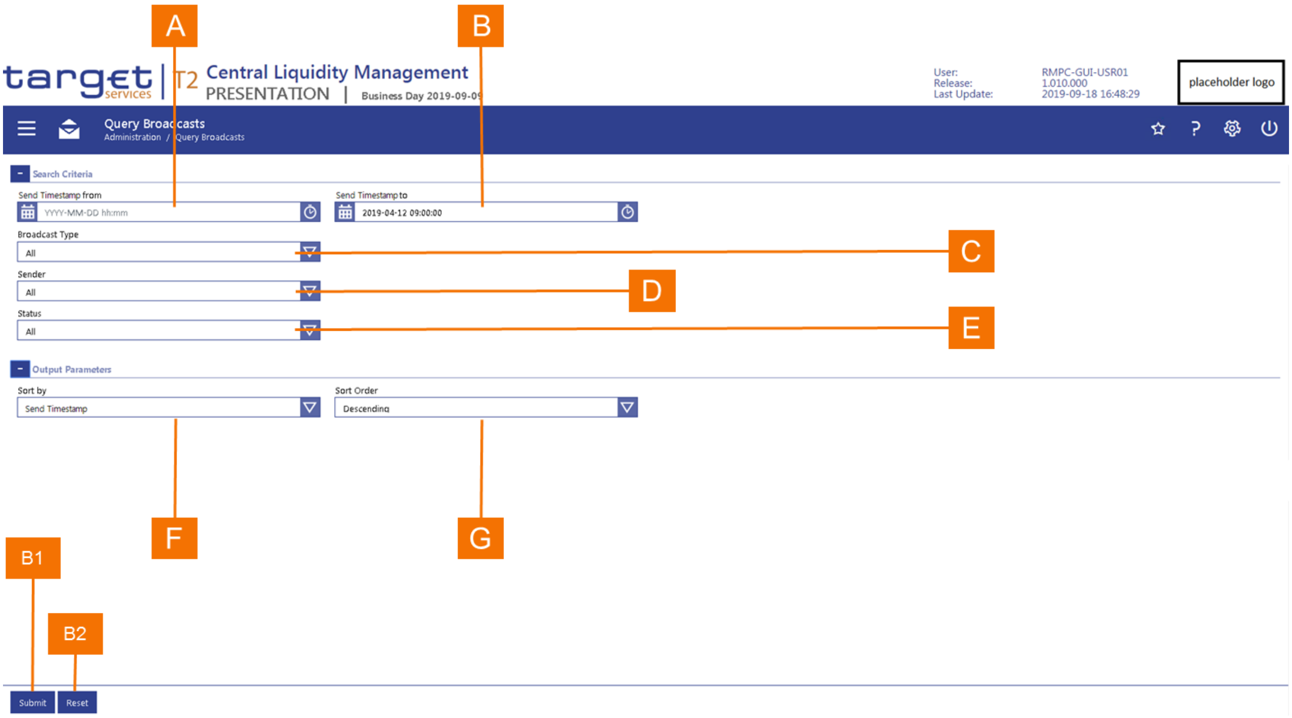


FIGURE 85 – BROADCASTS – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter, as a search criterion, the date and time from which the application sent a broadcast.

Label	Field Description
B	This field allows the user to enter, as a search criterion, the date and time up to which the application sent a broadcast.
C	This field allows the user to limit the broadcast search to either alert or normal broadcasts.
D	This field allows the user to limit the broadcast search based on the classification of the sender.
E	This field allows the user to limit the broadcast search based on the status of the broadcast for the user.
F	This field allows the user to select the sort criterion for the results list.
G	This field allows the user to select whether the results list is to be sorted in ascending or descending order of the selected sort criterion.

TABLE 105 – BROADCASTS – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the query based on the entered search criteria.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 106 – BROADCASTS – QUERY SCREEN BUTTON DESCRIPTIONS

9.2.2 BROADCASTS – LIST SCREEN

The *Broadcasts List screen* displays all the broadcasts that fulfil the selection criteria that the user entered in the *Broadcasts Query* screen.

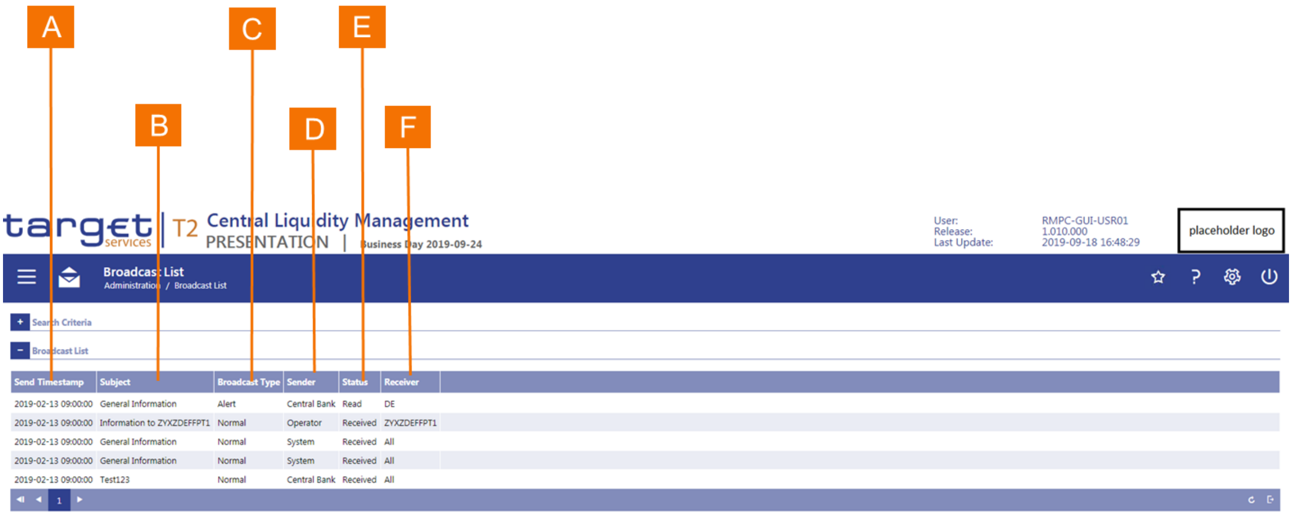


FIGURE 86 – BROADCASTS – LIST SCREEN

Label	Field Description
A	This column displays the date and time that the application sent the broadcast.
B	This column displays the subject line of the broadcast to provide the user with the high-level description of the broadcast.
C	This column displays the classification of the broadcast.
D	This column displays the classification of the broadcast sender.
E	This column displays whether the user as recipient of the broadcast has read the broadcast.
F	This column displays the classification of the group of parties in CLM that is recipient of the broadcast.

TABLE 107 – BROADCASTS – LIST SCREEN FIELD DESCRIPTIONS

The *Broadcasts Query* screen is subject to a specific processing logic.

- The user can access the *Broadcasts Details* screen by clicking on the right mouse button when a broadcast in the list is highlighted.

9.2.3 BROADCAST – DETAILS SCREEN

The *Broadcasts Details screen* displays the detailed content of a broadcast.

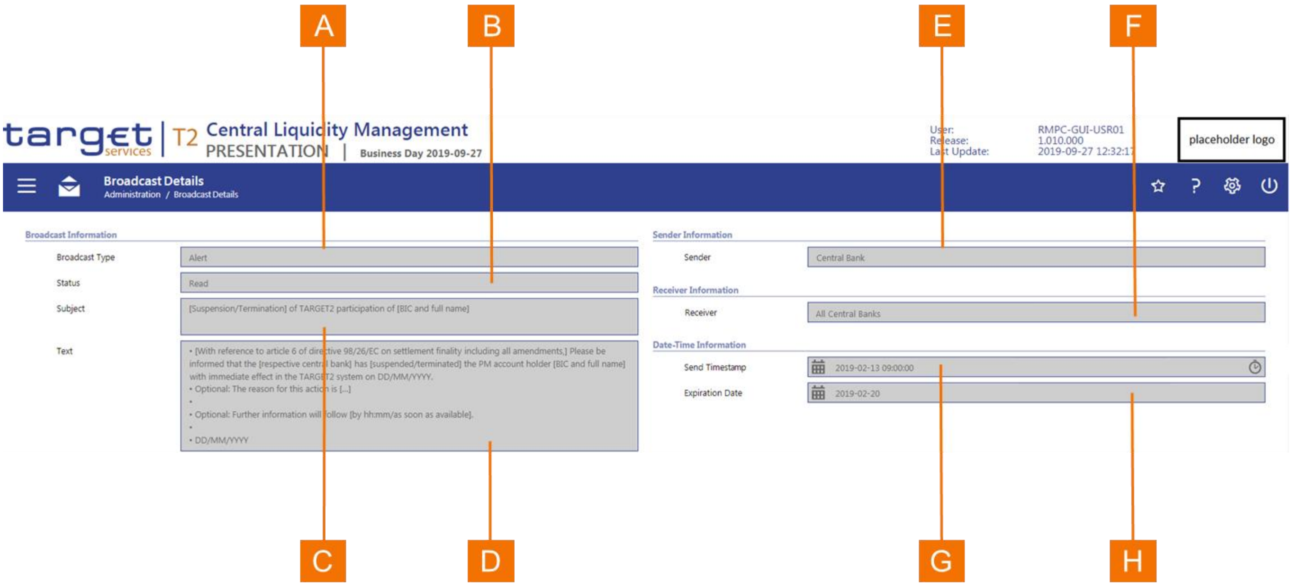


FIGURE 87 – BROADCASTS – DETAILS SCREEN

Label	Field Description
A	This field displays the classification of the broadcast.
B	This field displays whether the user as recipient of the broadcast has read the broadcast.
C	This field displays the subject line of the broadcast to provide the user with the high-level description of the broadcast.
D	This field displays the full text information of the broadcast.
E	This field displays the classification of the broadcast sender.
F	This field displays the classification of the broadcast recipient. When the recipient is limited to specific recipients, then the Party BICs of the selected recipients is also listed.
G	This field displays the date and time that the application sent the broadcast.
H	This field displays the date as of which the subject matter of the broadcast is no longer applicable.

TABLE 108 – BROADCASTS – DETAILS SCREEN FIELD DESCRIPTIONS

The *Broadcasts Query* screen is subject to a specific processing logic.

- If the status of the broadcast is “Received” when the user views the broadcast details, the status of the broadcast is automatically set to “read” after the user exits the screen.

9.3 New Broadcast

The *New Broadcast* screen allows a user of the operator or a central bank to enter a message and to broadcast it to a group of users.

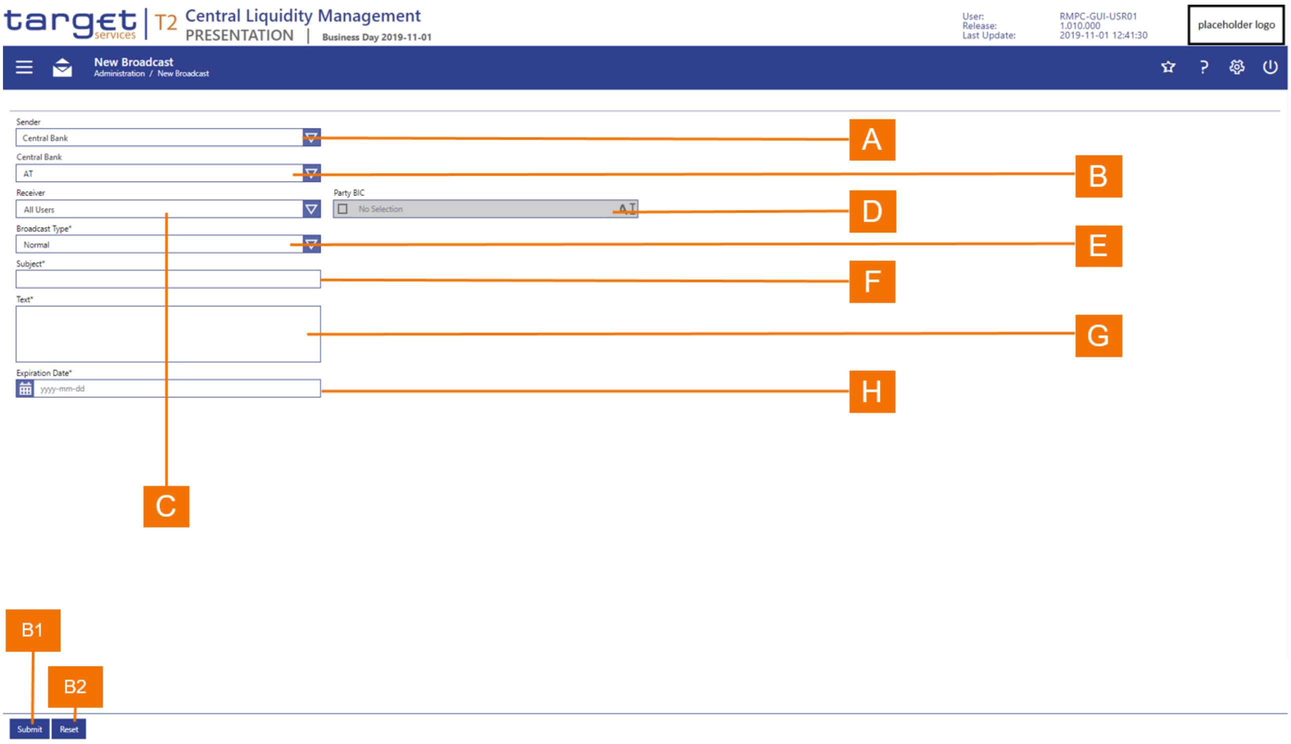


FIGURE 88 – NEW BROADCAST – SCREEN

Label	Field Description
A	This field allows the user to enter the sender of the broadcast in the case that the user is assigned to the operator, as the user of the operator can act on behalf of a central bank. In this case the user has the option to enter as sender of the broadcast, either the operator or central bank. Otherwise, the field is read only.
B	This field allows the user to enter the sender of the broadcast when the user is assigned to the operator, as the user of the operator can act on behalf of a central bank. Otherwise, the field is read only.

Label	Field Description
C	This field allows the user to enter a group of recipients for the broadcast. The options are - All users - Users of selected parties - All AS users of selected AS parties - All central bank users
D	This field allows the user to select one or more parties to whose users CLM is to send the broadcasts when the user selects one of the following options in field C: - Users of selected parties - All AS users of selected AS parties
E	This field allows the user to enter the urgency of the broadcast.
F	This field allows the user to enter the subject line of the broadcast.
G	This field allows the user to enter the full text of the broadcast.
H	This field allows the user to enter the expiration date of the broadcast, i.e. the date as of which CLM removes the broadcast. There is no limit for the manual input of the expiration date defined.

TABLE 109 – NEW BROADCAST – SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to submit the entered broadcast for processing. When the user clicks on the *Submit* button, a pop-up box is displayed that requests the user to confirm or to cancel the broadcast information. If the user clicks on the *Cancel* button in the pop-up, then the *New Broadcast* screen reappears with the already entered information. If the user clicks on the *Save* button, then a success or error notification appears and returns the user to the *New Broadcast* screen in its original default settings.
B2	The *Reset* button allows the user to set all input fields to the original default settings.

TABLE 110 – NEW BROADCAST – SCREEN BUTTON DESCRIPTIONS

The *New Broadcast* screen is subject to a specific processing logic.

- In the case that the user is assigned to the operator, then the user of the operator can act on behalf of a central bank.

- Such user has the option to enter as sender of the broadcast, either the operator or central bank in the *Sender* field. The *Sender* field is modifiable.
- When the *Sender* field contains the value “Central Bank”, the user has the option to select a specific central bank on whose behalf CLM should send the broadcast. The *Central Bank* field is modifiable.

- If the user is a central bank user, then
  - the *Sender* field is read-only and contains the value “Central Bank”;
  - the *Central Bank* field is read-only and contains the country code of the user’s central bank.

10 MONITORING

CLM provides GUI functions for the central bank user and the operator to monitor the activities taking place in CLM.

10.1 LIQUIDITY ON CENTRAL BANK LEVEL – DISPLAY SCREEN

The *Liquidity on Central Bank Level Display* screen displays the liquidity aggregated across all cash accounts that the central bank maintains for itself and its parties.

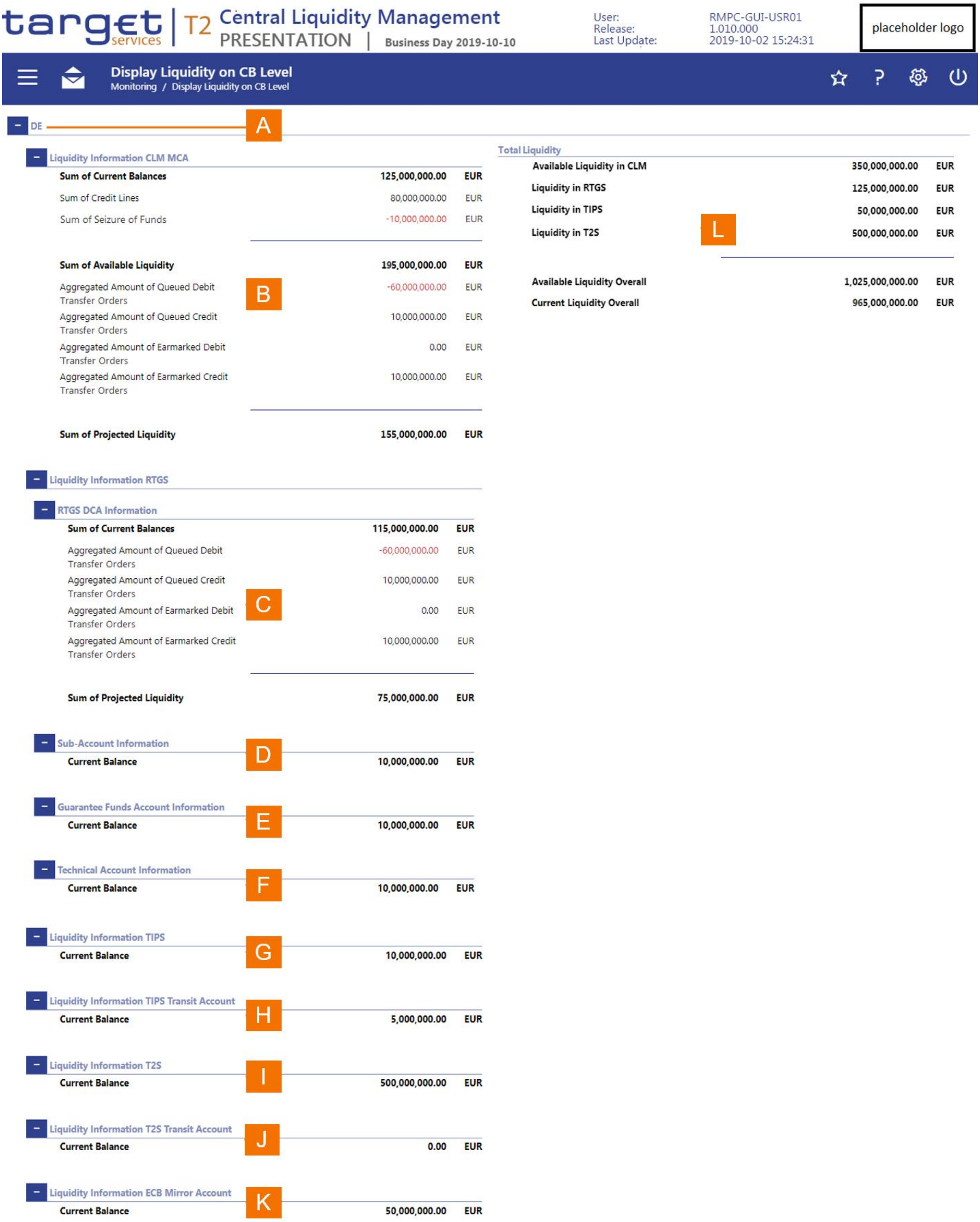

Central Liquidity Management
PRESENTATION
Business Day 2019-10-10
User: RMPC-GUI-USR01
Release: 1.010.000
Last Update: 2019-10-02 15:24:31
placeholder logo
Display Liquidity on CB Level
Monitoring / Display Liquidity on CB Level
DE
A
Liquidity Information CLM MCA
Sum of Current Balances 125,000,000.00 EUR
Sum of Credit Lines 80,000,000.00 EUR
Sum of Seizure of Funds -10,000,000.00 EUR
Sum of Available Liquidity 195,000,000.00 EUR
B
Aggregated Amount of Queued Debit Transfer Orders -60,000,000.00 EUR
Aggregated Amount of Queued Credit Transfer Orders 10,000,000.00 EUR
Aggregated Amount of Earmarked Debit Transfer Orders 0.00 EUR
Aggregated Amount of Earmarked Credit Transfer Orders 10,000,000.00 EUR
Sum of Projected Liquidity 155,000,000.00 EUR
Liquidity Information RTGS
RTGS DCA Information
Sum of Current Balances 115,000,000.00 EUR
Aggregated Amount of Queued Debit Transfer Orders -60,000,000.00 EUR
Aggregated Amount of Queued Credit Transfer Orders 10,000,000.00 EUR
C
Aggregated Amount of Earmarked Debit Transfer Orders 0.00 EUR
Aggregated Amount of Earmarked Credit Transfer Orders 10,000,000.00 EUR
Sum of Projected Liquidity 75,000,000.00 EUR
Sub-Account Information
D
Current Balance 10,000,000.00 EUR
Guarantee Funds Account Information
E
Current Balance 10,000,000.00 EUR
Technical Account Information
F
Current Balance 10,000,000.00 EUR
Liquidity Information TIPS
G
Current Balance 10,000,000.00 EUR
Liquidity Information TIPS Transit Account
H
Current Balance 5,000,000.00 EUR
Liquidity Information T2S
I
Current Balance 500,000,000.00 EUR
Liquidity Information T2S Transit Account
J
Current Balance 0.00 EUR
Liquidity Information ECB Mirror Account
K
Current Balance 50,000,000.00 EUR
Total Liquidity
Available Liquidity in CLM 350,000,000.00 EUR
Liquidity in RTGS 125,000,000.00 EUR
Liquidity in TIPS 50,000,000.00 EUR
L
Liquidity in T2S 500,000,000.00 EUR
Available Liquidity Overall 1,025,000,000.00 EUR
Current Liquidity Overall 965,000,000.00 EUR

Figure 89 – Liquidity on Central Bank Level – Display screen

Label	Field Description
A	This field displays the country code of the respective central bank.
B	This information block displays the liquidity information for all CLM MCAs maintained by the respective central bank.
C	This information block displays the current balance for all RTGS DCAs maintained by the respective central bank.
D	This information block displays the liquidity information for all sub-accounts related to RTGS DCAs maintained by the respective central bank.
E	This information block displays the liquidity information for all guarantee funds accounts maintained by the respective central bank.
F	This information block displays the liquidity information for all technical accounts maintained by the respective central bank.
G	This information block displays the liquidity information for all TIPS DCAs maintained by the respective central bank.
H	This information block displays the liquidity information for all TIPS transit accounts maintained by the respective central bank.
I	This information block displays the liquidity information for all T2S DCAs maintained by the respective central bank.
J	This information block displays the liquidity information for all T2S transit accounts maintained by the respective central bank.
K	This information block displays the liquidity information for all ECB mirror accounts maintained by the respective central bank.
L	This information block displays the total liquidity by service and across all services.

Table 111 – Liquidity on Central Bank Level – Display screen field descriptions

10.1.1 CLM MCA Information Block

This CLM MCA information block of the *Liquidity on Central Bank Level – Display Screen* classifies and displays the aggregated amounts for the MCAs.

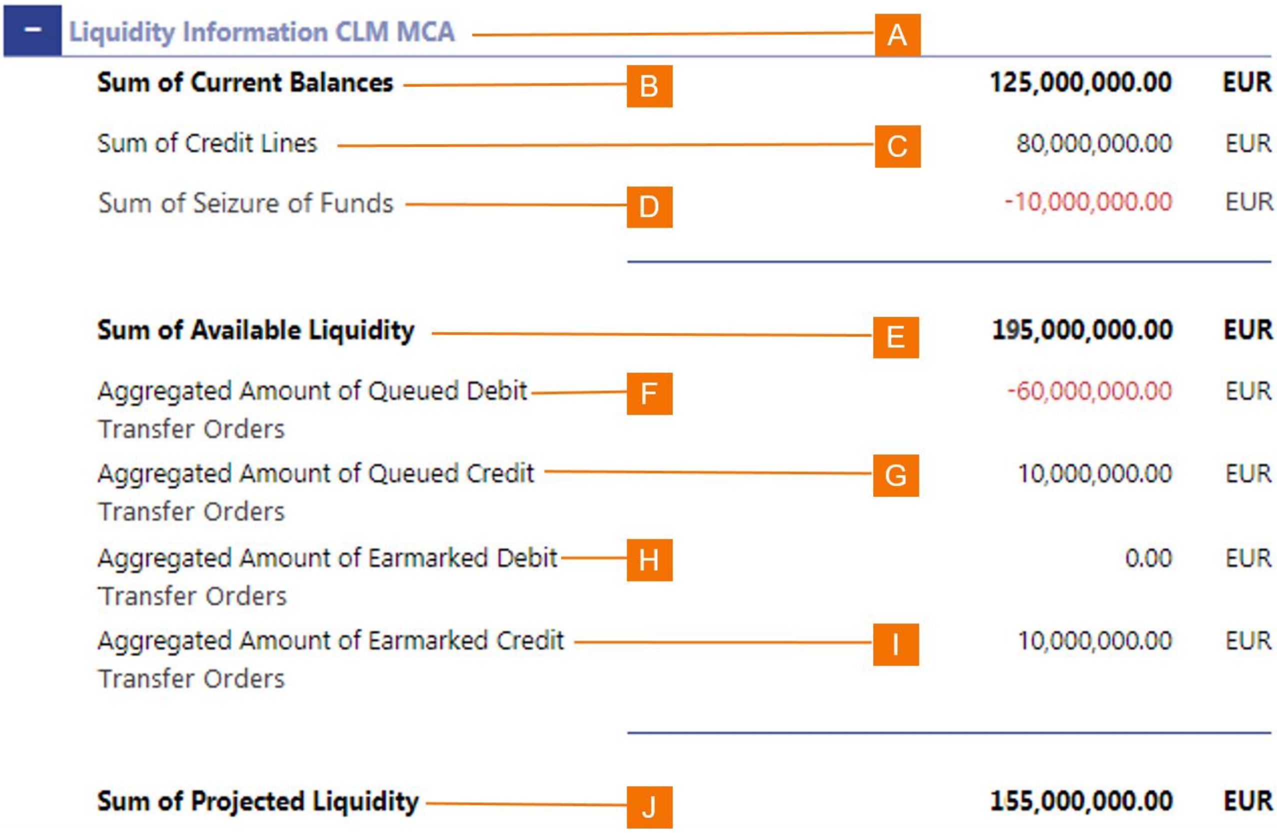


FIGURE 90 – CLM MCA INFORMATION BLOCK

Label	Field Description
A	This divider displays the header for the liquidity information for the CLM MCAs.
B	This line of the information block displays the sum of the current balances of the CLM MCAs.
C	This line of the information block provides the sum of the credit lines for the CLM MCAs.
D	This line of the information block provides the sum for the seizure of funds for the CLM MCAs.
E	This line of the information block displays the sum of the available liquidity for the CLM MCAs. Available liquidity = current balance + credit line – seizure of funds.
F	This line of the information block provides the sum of all debit cash transfer orders that CLM has queued for settlement for the CLM MCAs.
G	This line of the information block provides the sum of all credit cash transfer orders that CLM has queued for settlement for the CLM MCAs.
H	This line of the information block provides the sum of all debit cash transfer orders that CLM has in the status *earmarked* for the CLM MCAs.

Label	Field Description
I	This line of the information block provides the sum of all credit cash transfer orders that CLM has in the status earmarked for the CLM MCAs.
J	This line of the information block displays the projected liquidity for the CLM MCAs. Projected liquidity = Σ (Current balances, credit lines, seizure of funds, aggregated amount of queued debit transactions, aggregated amount of queued credit transactions, aggregated amount of earmarked debit transactions, aggregated amount of earmarked credit transactions)

TABLE 112 – CLM MCA INFORMATION BLOCK FIELD DESCRIPTIONS

10.1.2 RTGS DCA Information Block

This RTGS DCA information block of the *Liquidity on Central Bank Level – Display Screen* classifies and displays the aggregated amounts for the RTGS DCAs.

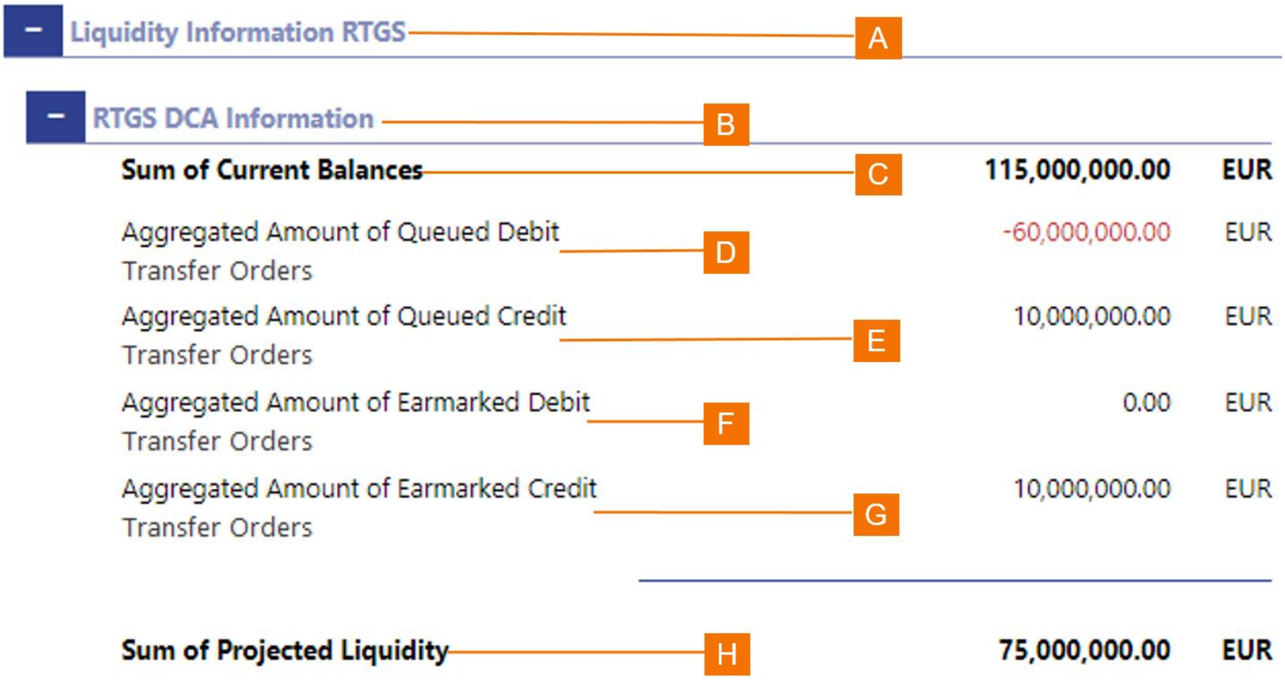


FIGURE 91 – RTGS DCA INFORMATION BLOCK

Label	Field Description
A	This divider displays the header for the liquidity information for RTGS.
B	This divider displays the header for the liquidity information for RTGS DCAs.

Label	Field Description
C	This line of the information block displays the sum of the current balances of the RTGS DCAs.
D	This line of the information block provides the sum of all debit cash transfer orders that RTGS has queued for settlement for the RTGS DCAs.
E	This line of the information block provides the sum of all credit cash transfer orders that RTGS has queued for settlement for the RTGS DCAs.
F	This line of the information block provides the sum of all debit cash transfer orders that RTGS has in the status *earmarked* for the RTGS DCAs.
G	This line of the information block provides the sum of all credit cash transfer orders that RTGS has in the status *earmarked* for the RTGS DCAs.
H	This line of the information block displays the projected liquidity for the RTGS DCAs. Projected liquidity = Σ (current balance, aggregated amount of queued debit transactions, aggregated amount of queued credit transactions, aggregated amount of earmarked debit transactions, aggregated amount of earmarked credit transactions).

TABLE 113 – RTGS DCA INFORMATION BLOCK FIELD DESCRIPTIONS

10.1.3 TOTAL LIQUIDITY

The total liquidity information block of the *Liquidity on Central Bank Level – Display Screen* displays the available liquidity for the accounts in CLM, RTGS, TIPS and T2S.

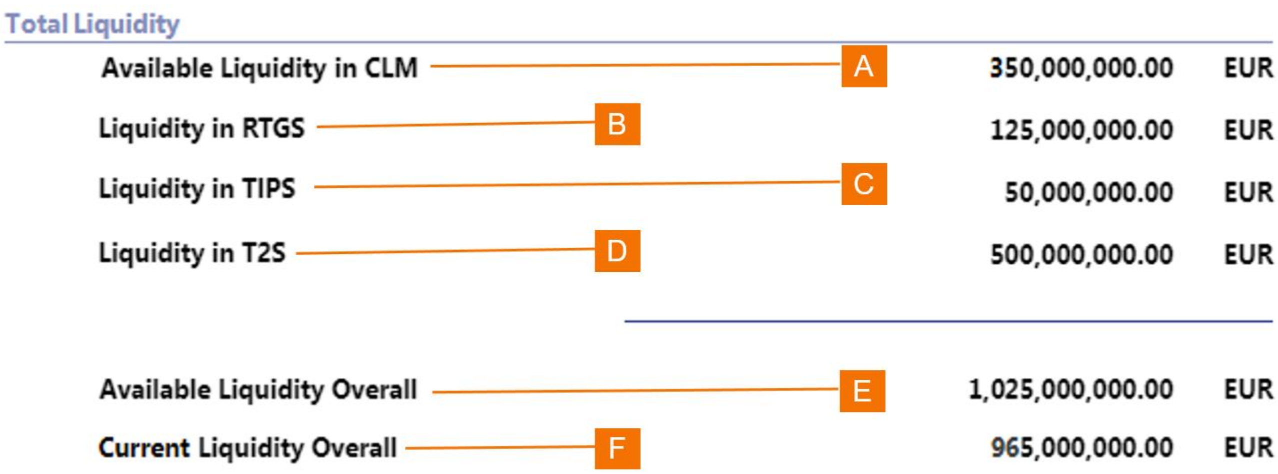


FIGURE 92 – TOTAL LIQUIDITY INFORMATION BLOCK

Label	Field Description

Label	Field Description
A	This line of the information block displays the available liquidity for all CLM accounts in the dashboard.
B	This line of the information block displays the available liquidity for all RTGS accounts in the dashboard.
C	This line of the information block displays the available liquidity for all TIPS accounts in the dashboard.
D	This line of the information block displays the available liquidity for all T2S accounts in the dashboard.
E	This line of the information block displays the available liquidity for all accounts. Available liquidity = Σ (Available Liquidity CLM accounts, Available Liquidity RTGS accounts, Available Liquidity TIPS accounts, Available Liquidity T2S accounts).
F	This line of the information block displays the current liquidity for all accounts. Current liquidity = available liquidity – credit line.

TABLE 114 – TOTAL LIQUIDITY INFORMATION BLOCK FIELD DESCRIPTIONS

10.2 CASH TRANSFER ORDER TOTALS BY PARTY

10.2.1 CASH TRANSFER ORDER TOTALS BY PARTY – QUERY SCREEN

The *Cash Transfer Order Totals by Party Query Screen* displays the total amount and count for the cash transfer orders, segregated by debit and credit, for selected parties and processing statuses.

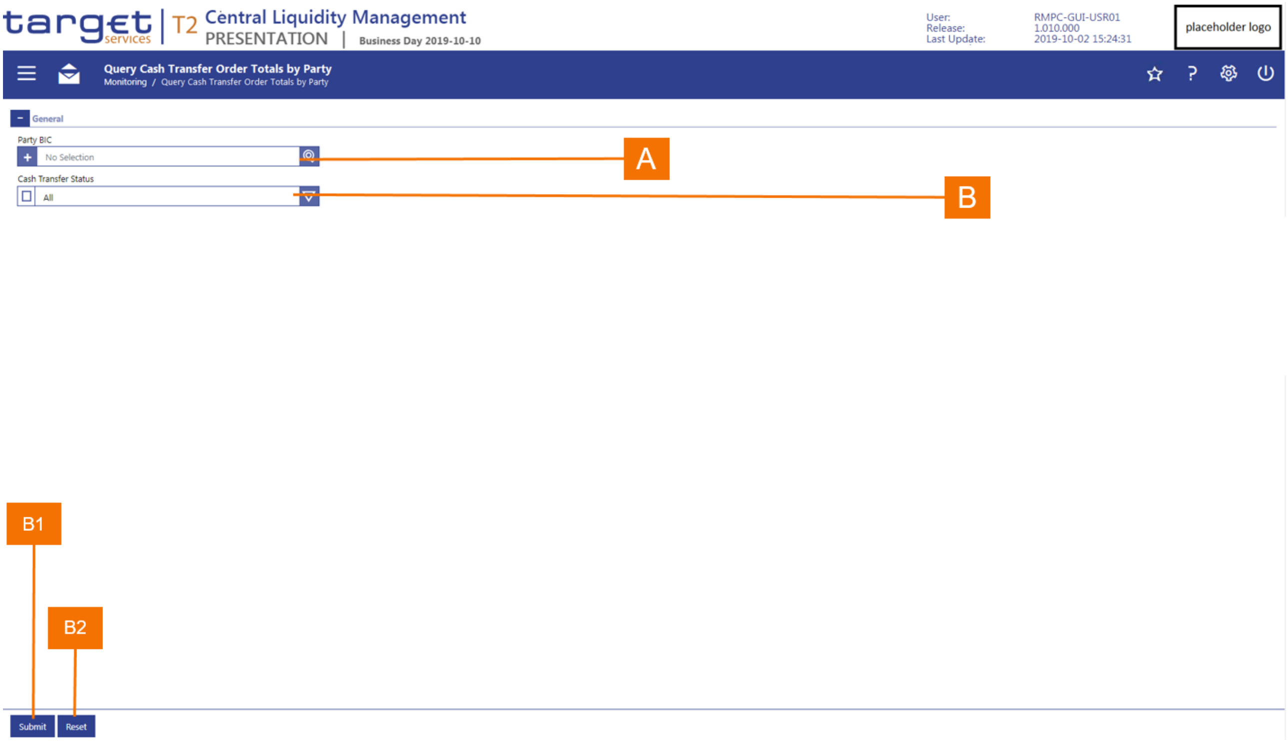


FIGURE 93 – CASH TRANSFER ORDER TOTALS BY PARTY – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter one or more BICs of parties for which the application is to query the cash transfer orders in order to aggregate them.
B	This field allows the user to enter one or more cash transfer order processing statuses

TABLE 115 – CASH TRANSFER ORDER TOTALS BY PARTY – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the query of the cash transfer orders.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 116 – CASH TRANSFER ORDER TOTALS BY PARTY – QUERY SCREEN BUTTON DESCRIPTIONS

10.2.2 Cash Transfer Order Totals by Party – List Screen

The *Cash Transfer Order Totals by Party List Screen* displays for the selected parties and/or cash transfer order processing status the breakdown of the total amount and count for the cash transfer orders by debit and credit.

Figure 94 – Cash Transfer Order Totals by Party – List screen

Label	Field Description
A	This column displays the BIC of the party.
B	This field displays the total amount of the selected debit cash transfer orders.
C	This field displays the sum of all total amounts of the selected debit cash transfer orders
D	This field displays the total count of the selected debit cash transfer orders.
E	This field displays the sum of the total counts of the selected debit cash transfer orders.
F	This field displays the total amount of the selected credit cash transfer orders.
G	This field displays the sum of all total amounts of the selected credit cash transfer orders
H	This field displays the total count of the selected credit cash transfer orders.
I	This field displays the sum of the total counts of the selected credit cash transfer orders.

Table 117 – Cash Transfer Order Totals by Party – List screen field descriptions

When the user right-clicks on a row in the results list, then a context menu appears that allows the user the option to display the totals of the selected cash transfer orders by cash account for the selected party.

10.2.3 Cash Transfer Order Totals by Cash Account – List Screen

The *Cash Transfer Order Totals by Cash Account List Screen* displays for the selected parties and/or cash transfer order processing status the breakdown of the total amount and count for the cash transfer orders by debit and credit.

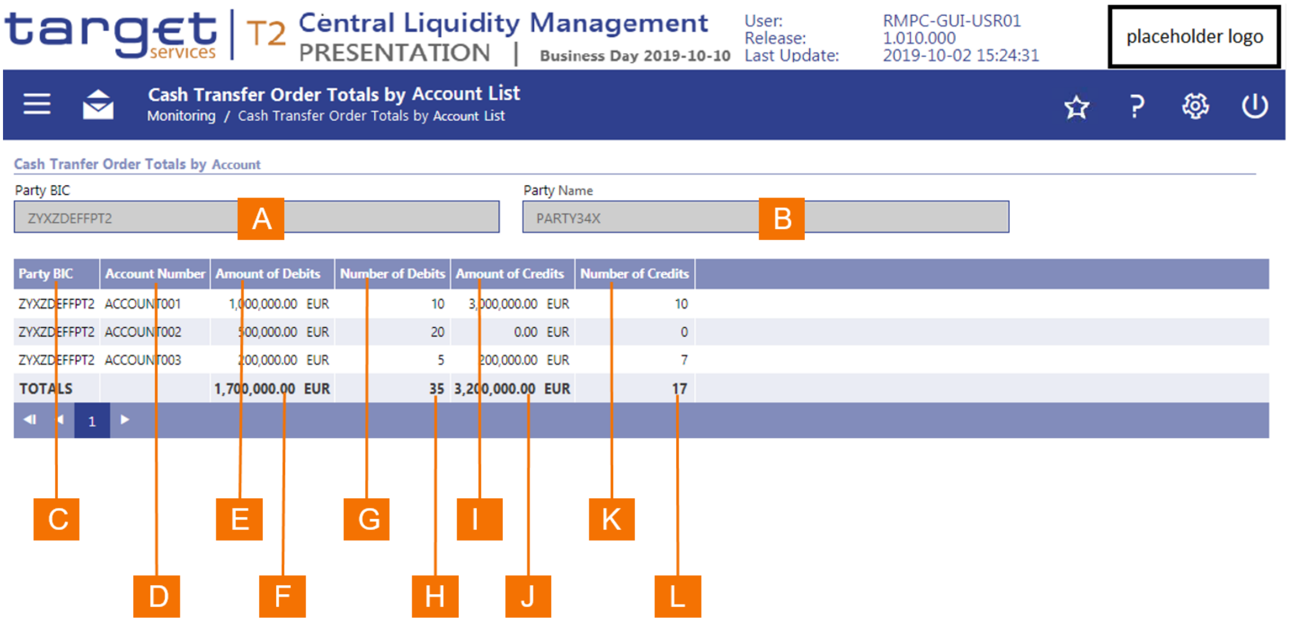


Figure 95 – Cash Transfer Order Totals by Cash Account – List Screen

Label	Field Description
A	This field displays the BIC of the party.
B	This field displays the name of the party.
C	This column displays the BIC of the party.
D	This column displays cash account number.
E	This field displays the total amount of the selected debit cash transfer orders.
F	This field displays the sum of all total amounts of the selected debit cash transfer orders
G	This field displays the total count of the selected debit cash transfer orders.

Label	Field Description
H	This field displays the sum of the total counts of the selected debit cash transfer orders.
I	This field displays the total amount of the selected credit cash transfer orders.
J	This field displays the sum of all total amounts of the selected credit cash transfer orders
K	This field displays the total count of the selected credit cash transfer orders.
L	This field displays the sum of the total counts of the selected credit cash transfer orders.

TABLE 118 – CASH TRANSFER ORDER TOTALS BY CASH ACCOUNT – LIST SCREEN FIELD DESCRIPTIONS

10.3 AVAILABLE LIQUIDITY BY PARTY

10.3.1 AVAILABLE LIQUIDITY BY PARTY – QUERY SCREEN

The *Available Liquidity by Party – Query Screen* allows the user to query the available liquidity for all cash accounts of the selected party or parties.

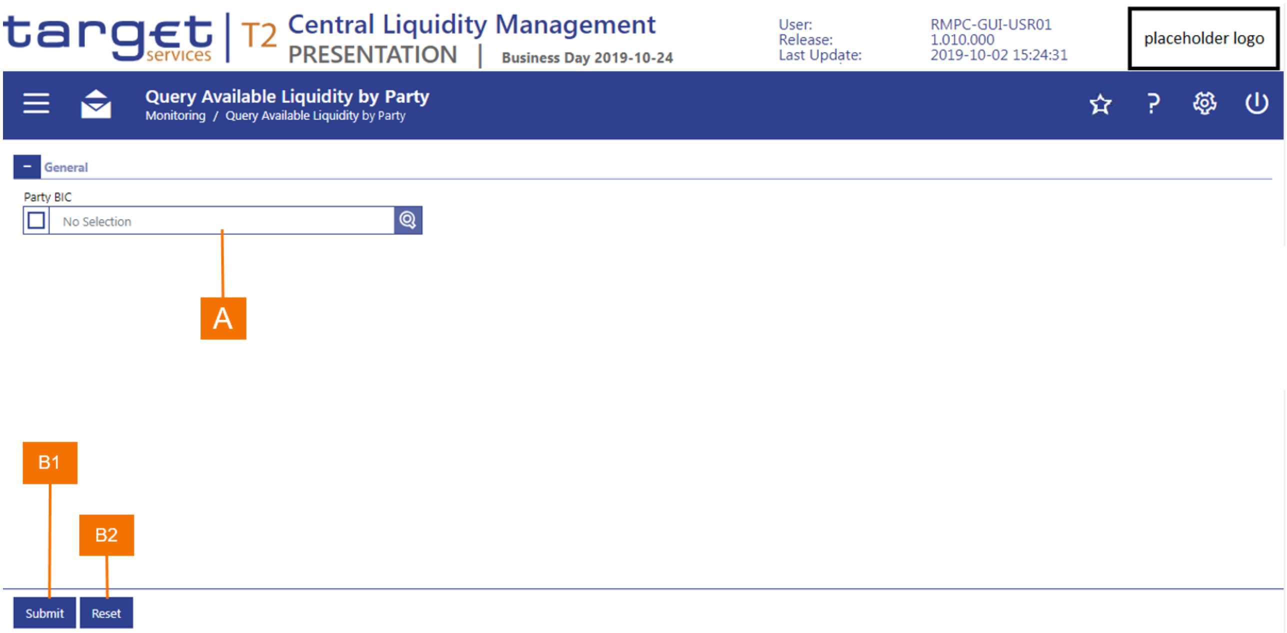


FIGURE 96 – AVAILABLE LIQUIDITY BY PARTY – QUERY SCREEN

Label	Field Description

Label	Field Description
A	This field allows the user to enter one or more BICs of parties for which the application is to query the cash transfer orders in order to aggregate them.

TABLE 119 – AVAILABLE LIQUIDITY BY PARTY – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the query.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 120 – AVAILABLE LIQUIDITY BY PARTY – QUERY SCREEN BUTTON DESCRIPTIONS

10.3.2 AVAILABLE LIQUIDITY BY PARTY – LIST SCREEN

The *Available Liquidity by Party - List Screen* displays the current liquidity on party level throughout all components available to the party. It is also possible to view other liquidity sources, like queued and earmarked payment orders.

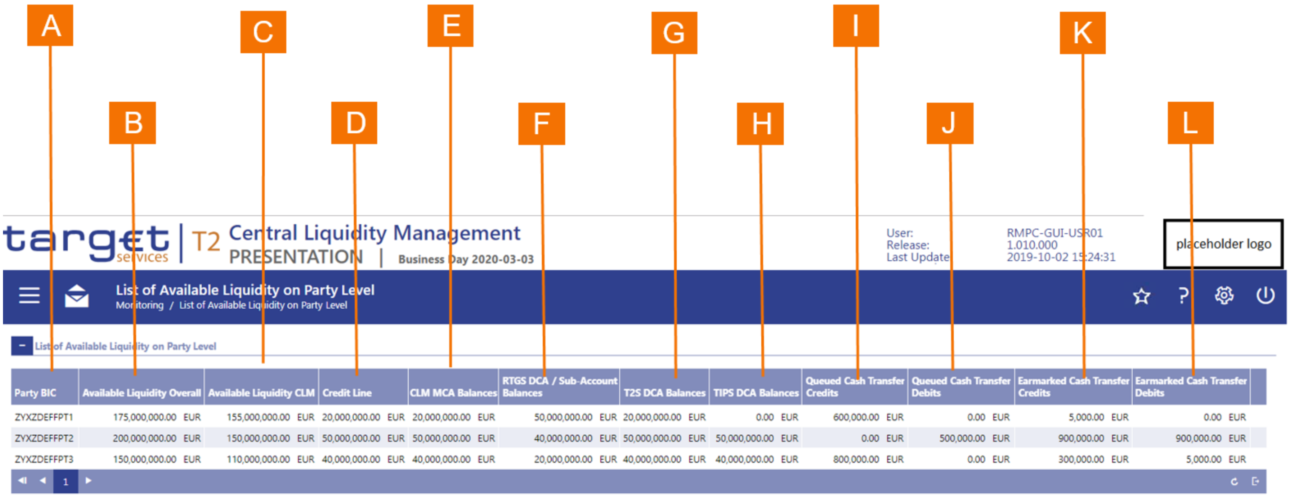


FIGURE 97 – AVAILABLE LIQUIDITY BY PARTY – LIST SCREEN

Label	Field Description
A	This field shows the party BIC.
B	This field shows the total liquidity related to a specific party BIC also taking into consideration balances from RTGS, T2S and TIPS.

Label	Field Description
C	This field shows the liquidity of a specific party in CLM only.
D	This field shows a credit line when set-up for an account related to the given party.
E	This field shows the balance of the MCA related to the given party.
F	This field shows the liquidity of a given party in RTGS only.
G	This field shows the liquidity of a given party in T2S only
H	This field shows the liquidity of a given party in TIPS only.
I	This field shows the total amount of all queued cash transfer orders, which are intended to be credited related to the given party.
J	This field shows the total amount of all queued cash transfer orders, which are intended to be debited related to the given party.
K	This field shows the total amount of all credits, which are in status earmarked (e.g. payment orders with From or Reject time).
L	This field shows the total amount of all debits, which are in status earmarked (e.g. payment orders with From or Reject time).

Table 121 – Available Liquidity by Party – List Screen field descriptions

10.3.3 Detailed Liquidity Information on Account Level – Display Screen

This screen is displayed when having chosen an entry via the screen *Available Liquidity by Party - List Screen* and selected ‘Details’ in the context menu. As a result, a divider is added showing above the selected entry on party level while below all related cash accounts with their liquidity positions throughout CLM, RTGS, T2S and TIPS.

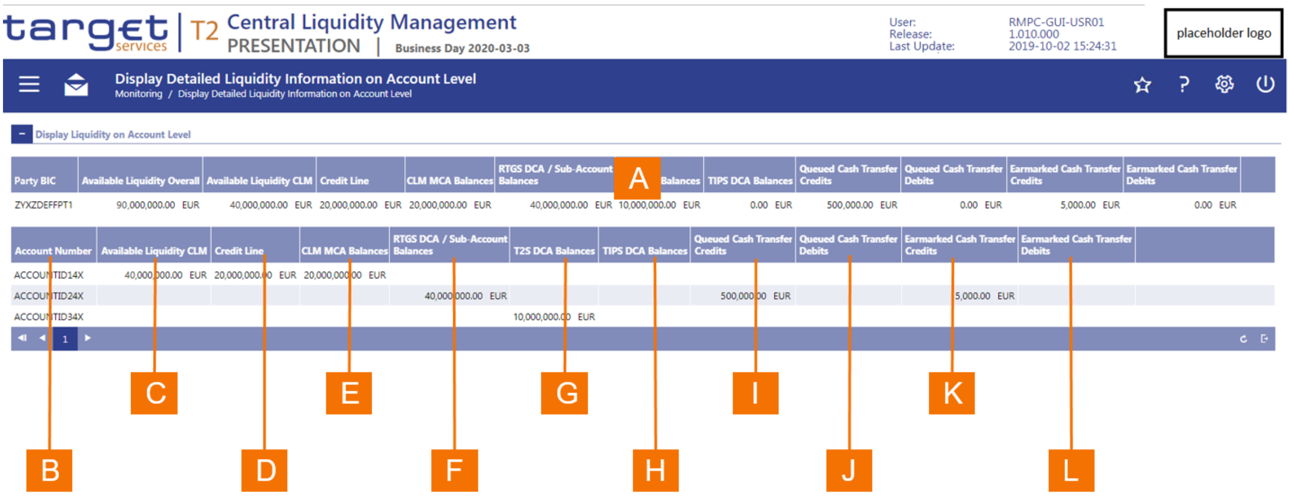


FIGURE 98 – DETAILED LIQUIDITY INFORMATION ON ACCOUNT LEVEL – DISPLAY SCREEN

Label	Field Description
A	This figure shows the entry stemming from the *Available Liquidity by Party - List Screen*, which was then selected via context menu.
B	This column shows all accounts related to the party as given above (in Label A section)
C	This field shows the liquidity of a specific cash account in CLM only.
D	This field shows a credit line when set-up for the MCA.
E	This field shows the balance of the MCA.
F	This field shows the liquidity of a specific cash account in RTGS only.
G	This field shows the liquidity of a specific cash account in T2S only.
H	This field shows the liquidity of a specific cash account in TIPS only.
I	This field shows the total amount of all queued cash transfer orders, which are intended to be credited on the cash account.
J	This field shows the total amount of all queued cash transfer orders, which are intended to be debited on the cash account.
K	This field shows the total amount of all credits, which are in status earmarked (e.g. payment orders with From or Reject time).
L	This field shows the total amount of all debits, which are in status earmarked (e.g. payment orders with From or Reject time).

TABLE 122 – DETAILED LIQUIDITY INFORMATION ON ACCOUNT LEVEL – DISPLAY SCREEN FIELD DESCRIPTIONS

10.4 Reservations and Dedicated Liquidity – Display Screen

The *Reservations and Dedicated Liquidity Display* screen displays for an authorised user on central bank level the total amounts for reservations across all cash accounts of all parties.

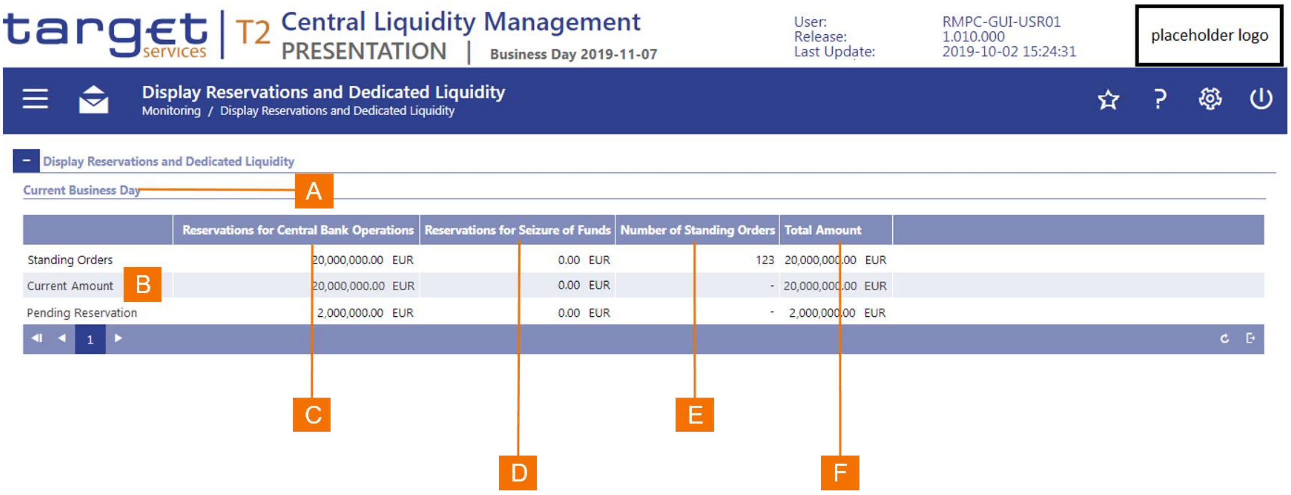


Figure 99 – Reservations and Dedicated Liquidity – Display screen

Label	Field Description
A	This heading documents the current business day.
B	This column displays whether the reservation has been executed or is still pending. For executed reservations a distinction is made between reservations resulting from standing orders and current reservations.
C	This column displays the sum of the reservations for central bank operations.
D	This column displays the sum of the reservations for the seizure of funds.
E	This column displays the number of standing orders.
F	This column displays the total amount of the reservations.

Table 123 – Reservations and Dedicated Liquidity – Display screen field descriptions

10.5 Liquidity on Banking Group Level – Display Screen

The *Liquidity on Banking Group Level Display* screen provides an aggregated view of the liquidity of all cash accounts of all parties within a banking group across all Eurosystem market infrastructure services.

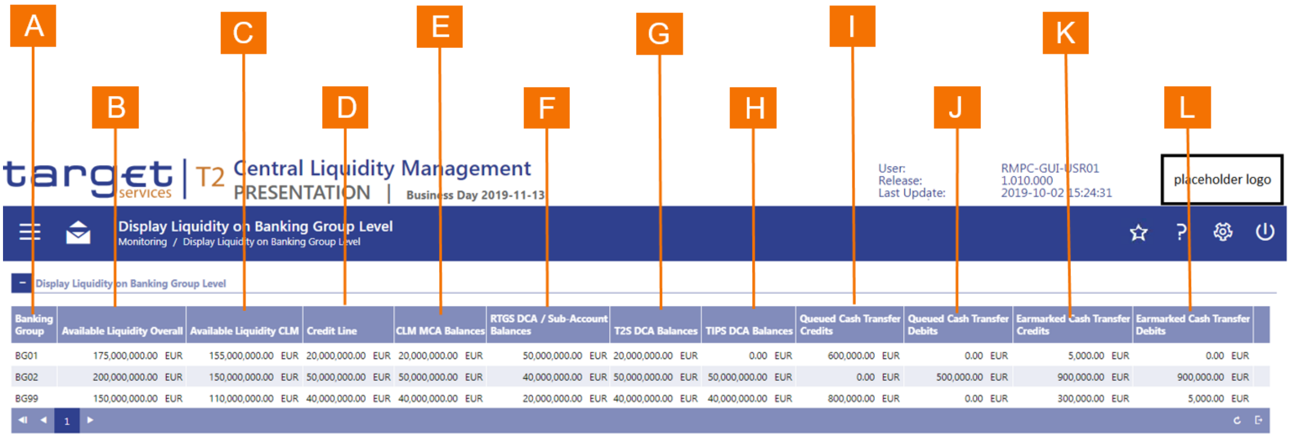


FIGURE 100 – LIQUIDITY ON BANKING GROUP LEVEL – DISPLAY SCREEN

Label	Field Description
A	This column displays the banking group for which the liquidity is to be shown.
B	This column displays the overall available liquidity with respect to this banking group.
C	This column displays the CLM available liquidity with respect to this banking group.
D	This column displays the credit line.
E	This column displays the sum of the balances of the MCAs within the respective banking group.
F	This column displays the sum of the balances of the RTGS DCAs and sub-accounts within the respective banking group.
G	This column displays the sum of the balances of the T2S accounts within the respective banking group.
H	This column displays the sum of the balances of the TIPS accounts within the respective banking group.
I	This column displays the sum of the amounts of the queued credit cash transfer orders.
J	This column displays the sum of the amounts of the queued debit cash transfer orders.
K	This column displays the sum of the amounts of the earmarked credit cash transfer orders.
L	This column displays the sum of the amounts of the earmarked debit cash transfer orders.

TABLE 124 – LIQUIDITY ON BANKING GROUP LEVEL – DISPLAY SCREEN FIELD DESCRIPTIONS

When positioning the cursor over an entry in the list and clicking the right mouse button, the user has the possibility through a context menu

- to display the cash transfers related to the respective banking group;
- to display detailed liquidity information for the accounts within the respective banking group. See the *Detailed Available Liquidity on Banking Group Level – Display Screen*.

10.5.1 Detailed Available Liquidity on Banking Group Level – Display Screen

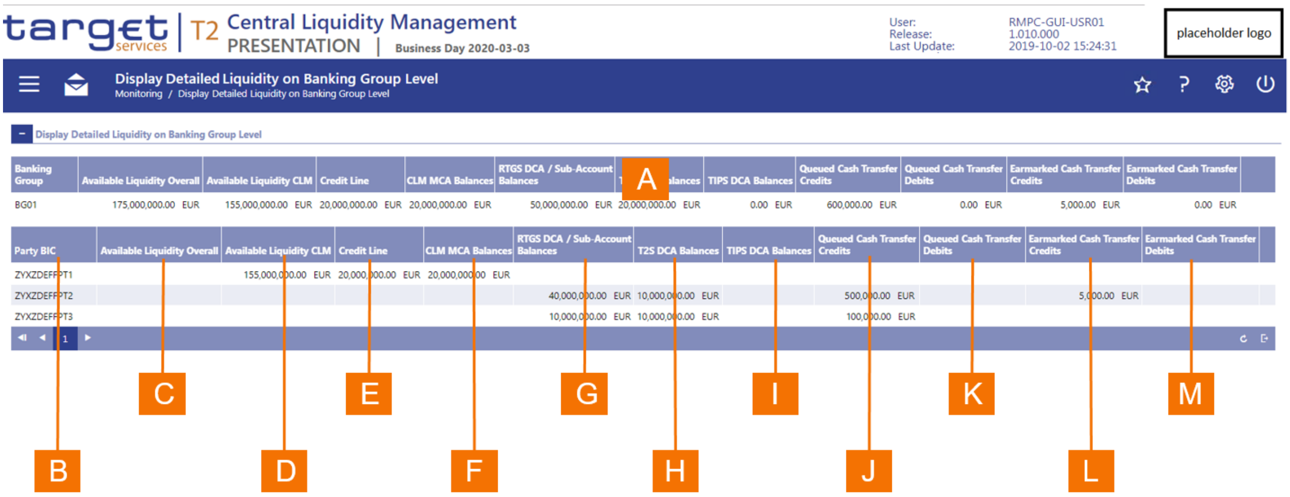


Figure 101 – Detailed Available Liquidity on Banking Group Level – Display screen

Label	Field Description
A	This block displays the aggregated liquidity information on cash accounts held by the banking group in the different services/components and information on aggregated amounts of cash transfer orders queued and earmarked.
B	This column displays the BIC of the party that holds the cash account for which the list displays the information on balances and cash transfer orders.
C	This column displays the aggregated amount of the balances held by the party on its cash accounts in the different TARGET2 Services (including the amount of the credit line).
D	This column displays the aggregated amount of the balances held by the party on its cash accounts in CLM.
E	This column displays the amount of the credit line held by the party in CLM.
F	This column displays the aggregated amount of the balances held by the party on its MCAs.

Label	Field Description
G	This column displays the aggregated amount of the balances held by the party on its RTGS DCAs and RTGS Sub-Accounts.
H	This column displays the aggregated amount of the balances held by the party on its T2S DCAs.
I	This column displays the aggregated amount of the balances held by the party on its TIPS DCAs.
J	This column displays the aggregated amount of the queued cash transfer orders which will be credited on a cash account held by the party.
K	This column displays the aggregated amount of the queued cash transfer orders which will be debited on a cash account held by the party.
L	This column displays the aggregated amount of the earmarked cash transfer orders which will be credited on a cash account held by the party.
M	This column displays the aggregated amount of the earmarked cash transfer orders which will be debited on a cash account held by the party.

TABLE 125 – DETAILED AVAILABLE LIQUIDITY ON BANKING GROUP LEVEL – DISPLAY SCREEN FIELD DESCRIPTIONS

10.6 CASH TRANSFER ORDER TOTALS BY STATUS

10.6.1 CASH TRANSFER ORDER TOTALS BY STATUS – LIST SCREEN

The *Cash Transfer Order Totals by Status List Screen* displays the total amount and count for the cash transfer orders by their processing status and by debit and credit.

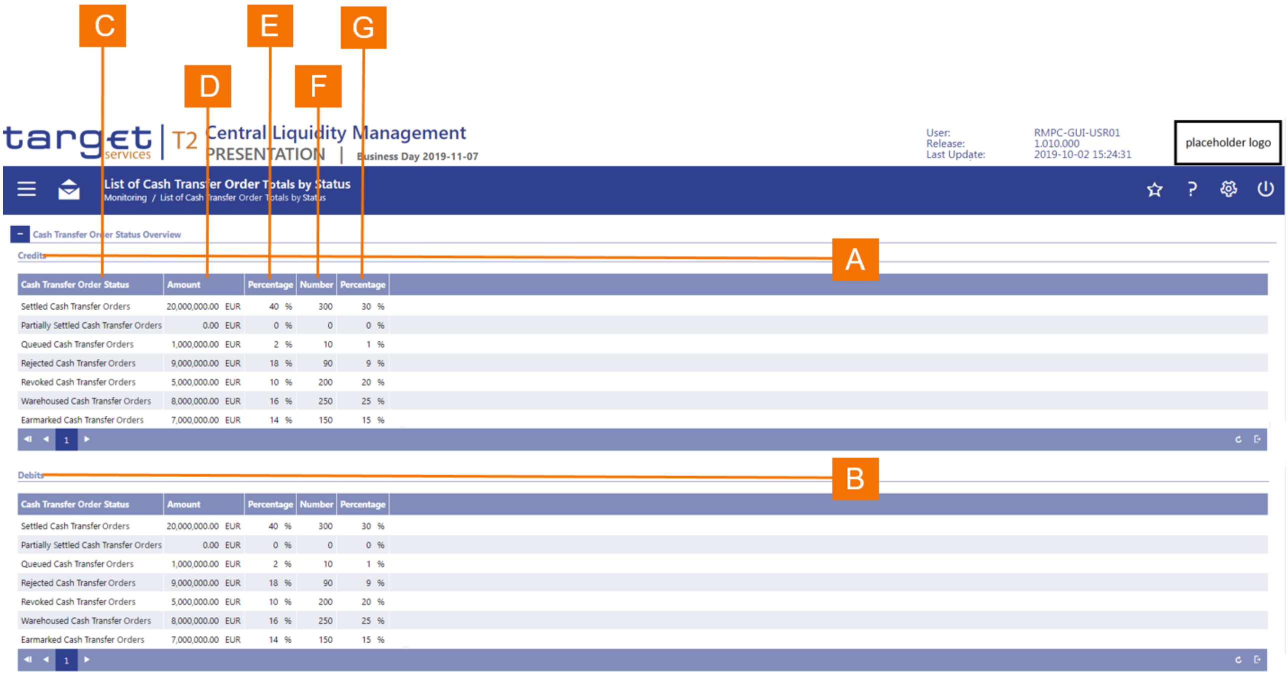


FIGURE 102 – CASH TRANSFER ORDER TOTALS BY STATUS – LIST SCREEN

Label	Field Description
A	This divider displays the header for the aggregation by credit.
B	This divider displays the header for the aggregation by debit.
C	This column displays the processing status of the cash transfer order by which the aggregation and display of the total debit amount and total count takes place.
D	This column displays total amount of either the credit or debit cash transfer orders depending on the divider under which the GUI displays the row and the processing status as documented in the row of this list.
E	This column displays the percentage of the total amount of either the credit or debit cash transfer orders depending on the divider under which the GUI displays the row and the processing status as documented in the row of this list.
F	This column displays count of either the credit or debit cash transfer orders depending on the divider under which the GUI displays the row and the processing status as documented in the row of this list.
G	This column displays the percentage of the count of either the credit or debit cash transfer orders depending on the divider under which the GUI displays the row and the processing status as documented in the row of this list.

TABLE 126 – CASH TRANSFER ORDER TOTALS BY STATUS – LIST SCREEN FIELD DESCRIPTIONS

When the user right-clicks on a row in the results list, then a context menu appears that allows the user the option to display the underlying cash transfer orders.

10.6.2 Cash Transfer Order Subtotals by Status – Display Screen

The *Cash Transfer Order Subtotals by Status Display Screen* displays the breakdown of the total amount and count for the selected cash transfer order total by type of cash transfer order.

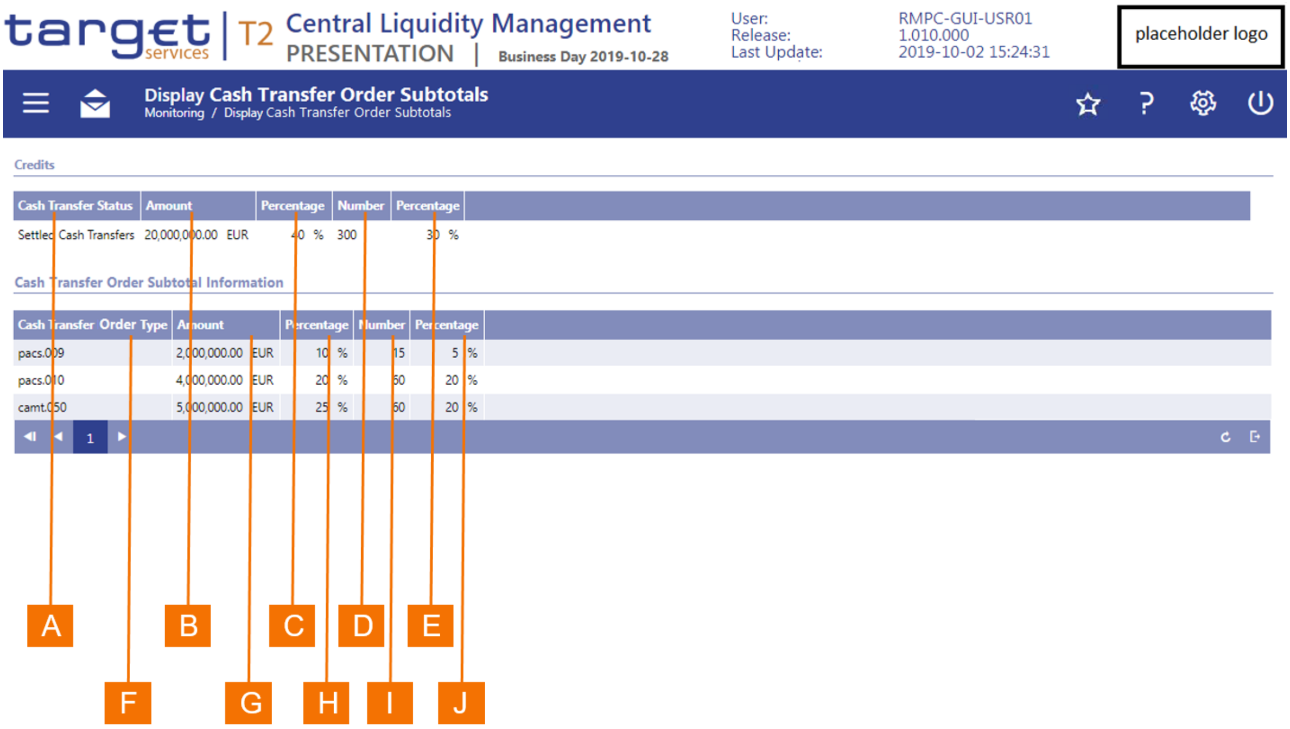


Figure 103 – Cash Transfer Order Subtotals by Status – Display screen

Label	Field Description
A	This field displays the processing status of the selected cash transfer order total.
B	This field displays the total amount of the selected cash transfer order total.
C	This field displays the percentage allocation of the amount of the selected cash transfer order total.
D	This field displays the count of the selected cash transfer order total.
E	This field displays the percentage allocation of the count of the selected cash transfer order total.
F	This column displays the cash transfer order type for the subtotal.

Label	Field Description
G	This column displays total amount of cash transfer orders for the cash transfer order type.
H	This column displays the percentage of the total amount for the cash transfer order type.
I	This column displays count of cash transfer orders for the cash transfer order type.
J	This column displays the percentage of the count for the cash transfer order type.

TABLE 127 – CASH TRANSFER ORDER SUBTOTALS BY STATUS – DISPLAY SCREEN FIELD DESCRIPTIONS

10.7 WAREHOUSED CASH TRANSFER ORDERS

10.7.1 WAREHOUSED CASH TRANSFER ORDERS – QUERY SCREEN

The *Warehoused Cash Transfer Orders Query Screen* allows the user to enter one or more party BICs to provide an aggregated list of warehoused cash transfer orders by value date.

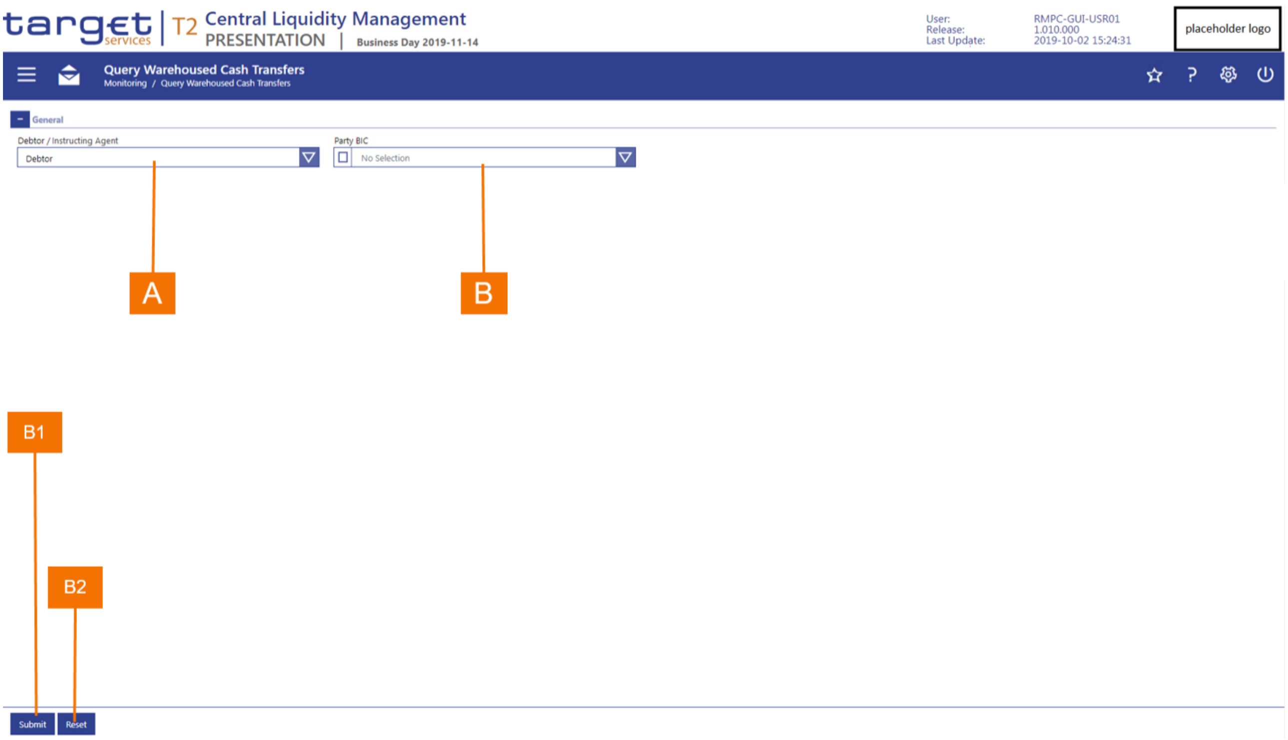


FIGURE 104 – WAREHOUSED CASH TRANSFER ORDERS – QUERY SCREEN

Label	Field Description

Label	Field Description
A	This field allows the user to select whether the party BIC field specifies a debit account holder or the instructing agent of the warehoused payments.
B	This field allows the user to enter one or more party BICs.

TABLE 128 – WAREHOUSED CASH TRANSFER ORDERS – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the query of warehoused payments.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 129 – WAREHOUSED CASH TRANSFER ORDERS – QUERY SCREEN BUTTON DESCRIPTIONS

10.7.2 WAREHOUSED CASH TRANSFER ORDERS – LIST SCREEN

The *Warehoused Cash Transfer Orders List Screen* displays the total amounts and counts for warehoused payments for the selected parties per business day.

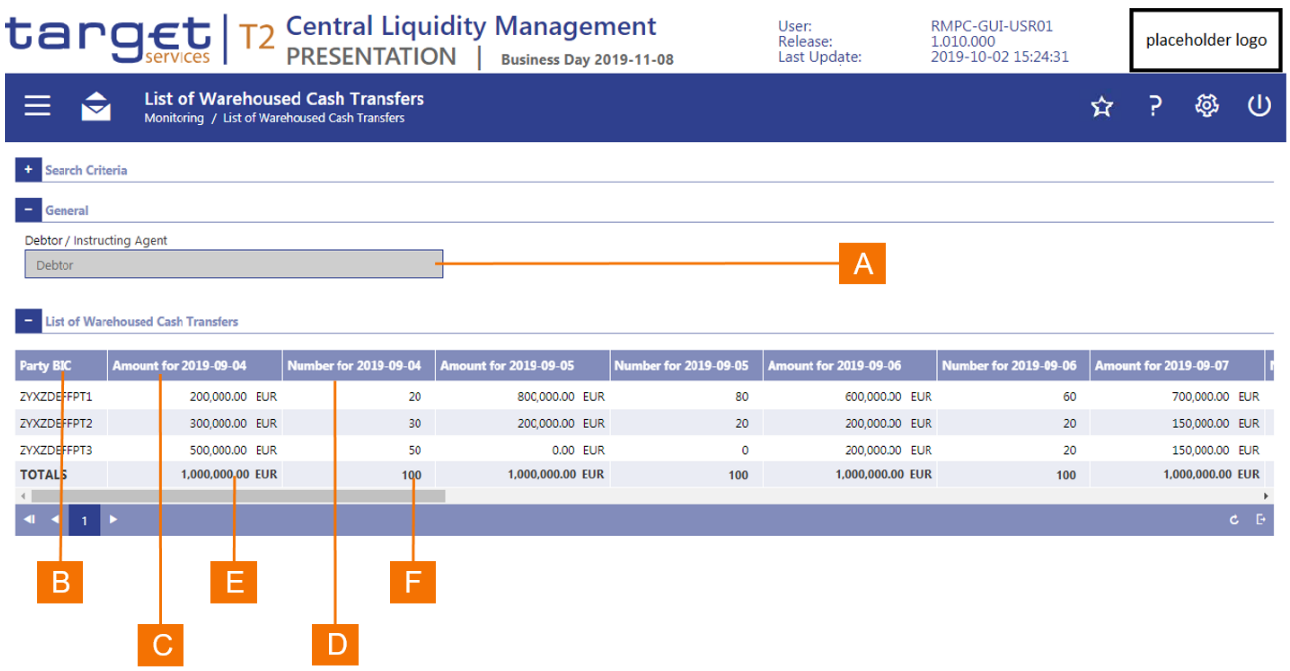


FIGURE 105 – WAREHOUSED CASH TRANSFER ORDERS – LIST SCREEN

Label	Field Description

Label	Field Description
A	This fields displays whether the listed party BIC is the debit account holder or the instructing agent of the warehoused payments.
B	This column displays the party BIC for which the list displays the warehoused payments.
The following columns are repeated for each business day in the future for which warehoused payments can be instructed.	
C	This column displays the total debit amount of the warehoused cash transfer orders for the party per business day specified in the column header.
D	This column displays the total count of the warehoused cash transfer orders for the party per business day specified in the column header.
E	This field displays the sum of the total debit amounts of the warehoused cash transfer orders of the parties per business day specified in the column header.
F	This field displays the sum of the total counts of the warehoused cash transfer orders of the parties per business day specified in the column header.

Table 130 – Warehoused Cash Transfer Orders – List Screen field descriptions

When the user right-clicks on a row in the results list, then a context menu appears that allows the user to display the underlying warehoused cash transfer orders.

10.8 Standing Facilities per Account Holder

10.8.1 Standing Facilities per Account Holder – Query Screen

The *Standing Facilities per Account Holder Query Screen* provides central banks with an overview of the marginal lending on request, automatic marginal lending and the overnight deposit of banks in their dedicated banking community.

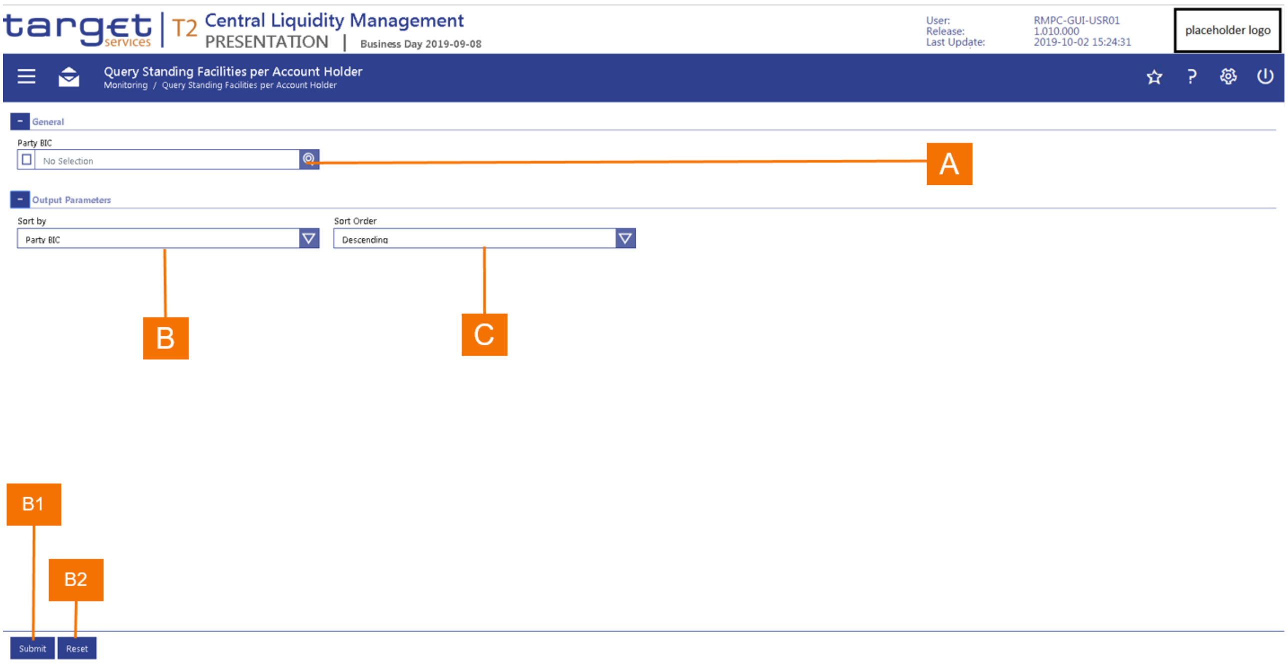


FIGURE 106 – STANDING FACILITIES PER ACCOUNT HOLDER – QUERY SCREEN

Label	Field Description
A	This field allows the user to enter a value directly into the input field or click on the button on the right leading to a search screen where one or more search criteria can be entered to find the required information (smart-select list).
B	This field allows the user to determine the sort order of the result list.
C	This field allows the user to select whether the result list is to be sorted in ascending or descending order of the selected sort criterion.

TABLE 131 – STANDING FACILITIES PER ACCOUNT HOLDER – QUERY SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the query.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 132 – STANDING FACILITIES PER ACCOUNT HOLDER – QUERY SCREEN BUTTON DESCRIPTIONS

10.8.2 STANDING FACILITIES PER ACCOUNT HOLDER – LIST SCREEN

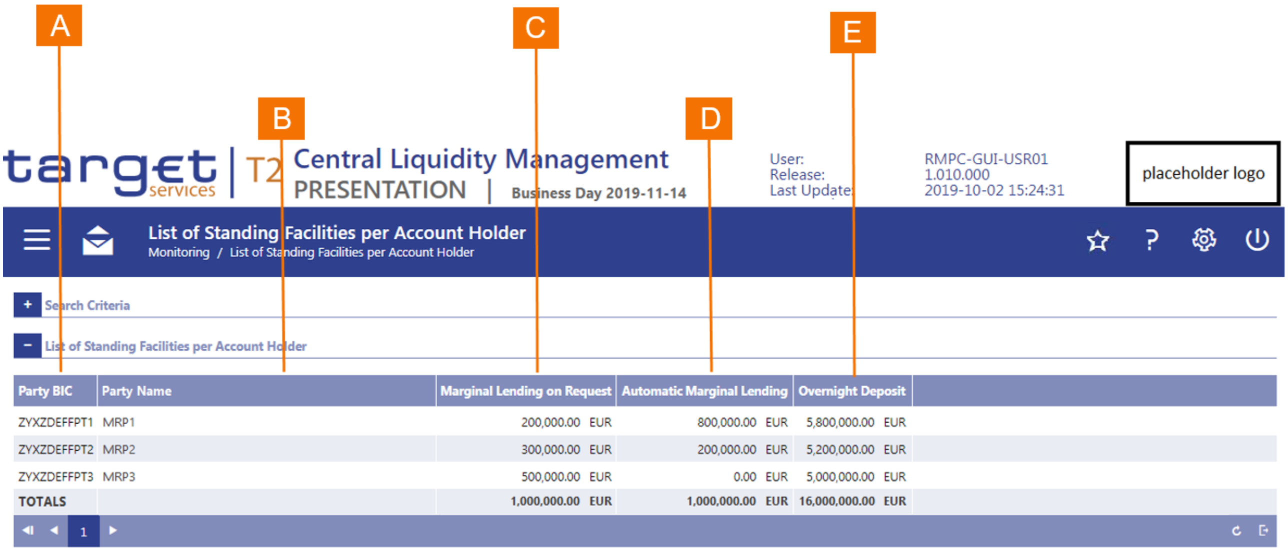


FIGURE 107 – STANDING FACILITIES PER ACCOUNT HOLDER – LIST SCREEN

Label	Field Description
A	This column displays the BIC of the party.
B	This column displays the name of the party.
C	This column displays the amount and currency of the marginal lending on request per account holder.
D	This column displays the amount and currency of the automatic marginal lending per account holder.
E	This column displays the amount and currency of the overnight deposit per account holder.

TABLE 133 – STANDING FACILITIES PER ACCOUNT HOLDER – LIST SCREEN FIELD DESCRIPTIONS

Label	Button Description
B1	The *Submit* button allows the user to execute the query.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 134 – STANDING FACILITIES PER ACCOUNT HOLDER – LIST SCREEN BUTTON DESCRIPTIONS

10.9 Minimum Reserve Information per Account Holder

10.9.1 Minimum Reserve Information per Account Holder – Query Screen

The *Minimum Reserve Information per Account Holder Query Screen* allows the user to enter the BIC of a party to retrieve minimum reserve information.

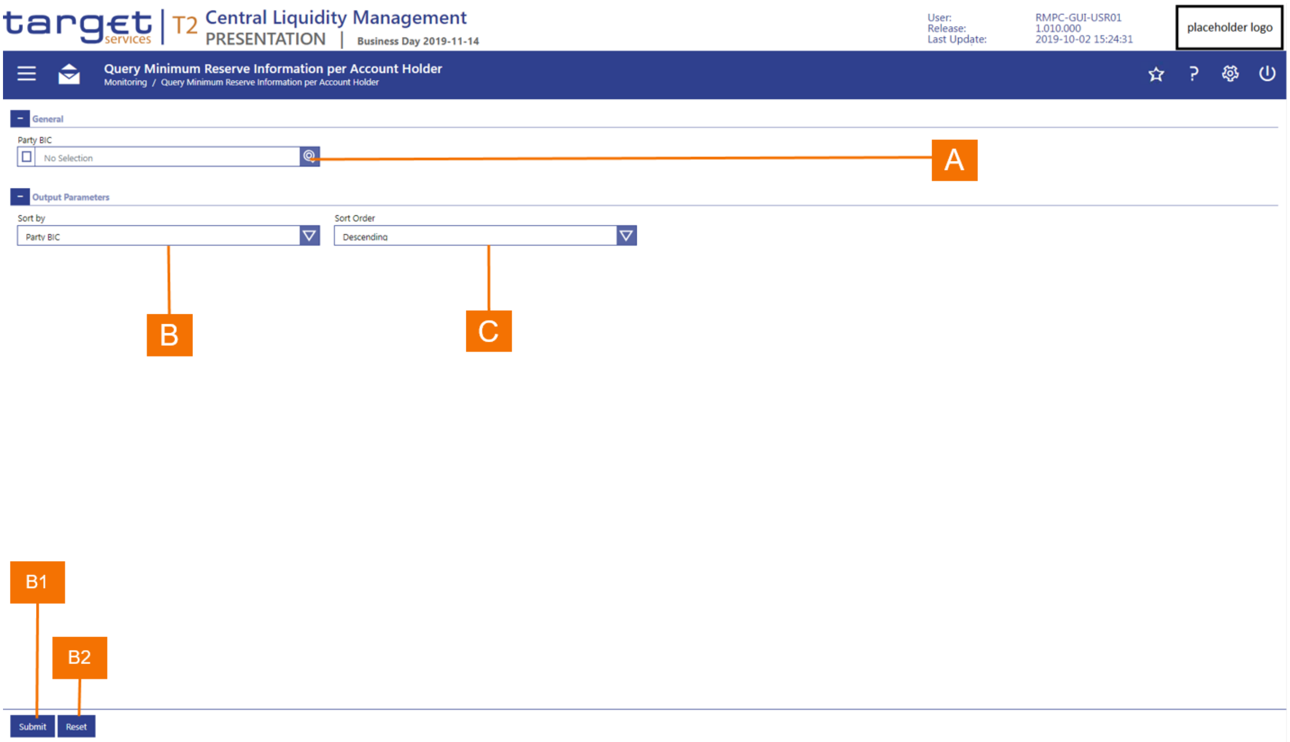


Figure 108 – Minimum Reserve Information per Account Holder – Query Screen

Label	Field Description
A	This field allows the user to provide the BIC of the party where minimum reserve information is requested.
B	This field allows the user to enter the attribute by which the application is to sort the results list.
C	This field allows the user to select whether the results list is to be sorted in ascending or descending order of the selected sort criterion.

Table 135 – Minimum Reserve Information per Account Holder – Query Screen field descriptions

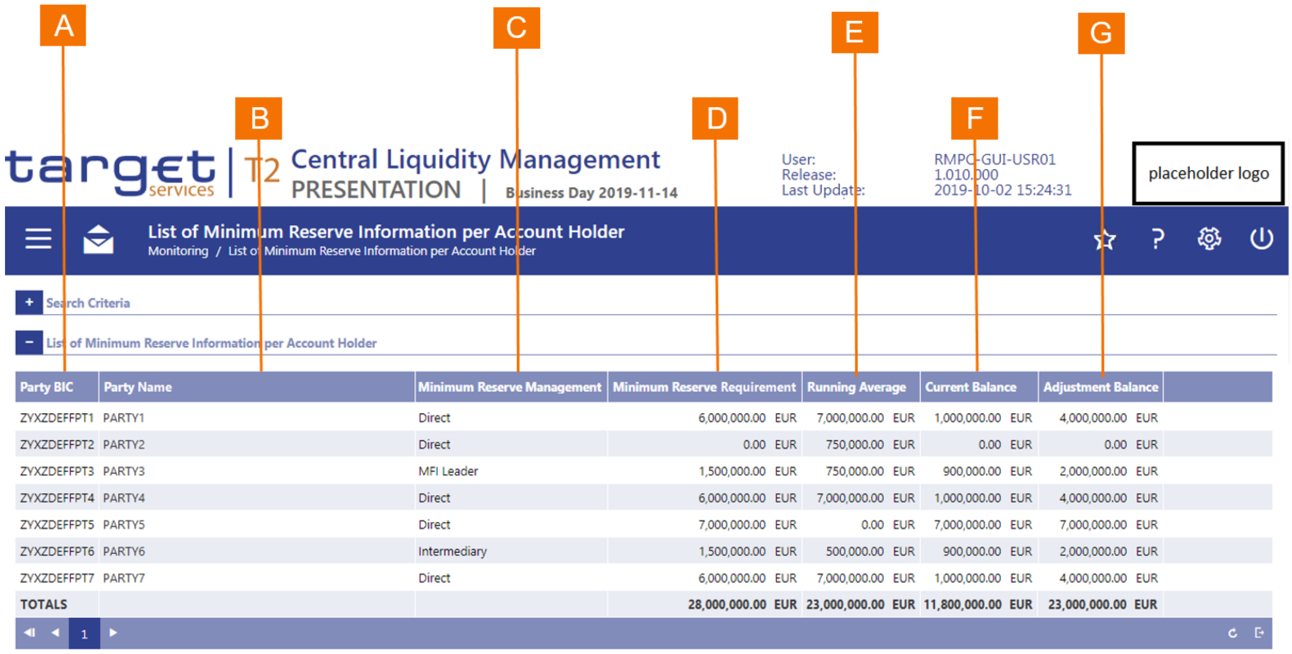
Label	Button Description

Label	Button Description
B1	The *Submit* button allows the user to execute the retrieval and display of the liquidity information for the relevant party.
B2	The *Reset* button allows the user to set the search criteria to the original default settings.

TABLE 136 – MINIMUM RESERVE INFORMATION PER ACCOUNT HOLDER – QUERY SCREEN BUTTON DESCRIPTIONS

10.9.2 MINIMUM RESERVE INFORMATION PER ACCOUNT HOLDER – LIST SCREEN

The *Minimum Reserve Information per Account Holder List Screen* displays the minimum reserve information for the selected party.



Party BIC	Party Name	Minimum Reserve Management	Minimum Reserve Requirement	Running Average	Current Balance	Adjustment Balance
ZYXZDEFFPT1	PARTY1	Direct	6,000,000.00 EUR	7,000,000.00 EUR	1,000,000.00 EUR	4,000,000.00 EUR
ZYXZDEFFPT2	PARTY2	Direct	0.00 EUR	750,000.00 EUR	0.00 EUR	0.00 EUR
ZYXZDEFFPT3	PARTY3	MFI Leader	1,500,000.00 EUR	750,000.00 EUR	900,000.00 EUR	2,000,000.00 EUR
ZYXZDEFFPT4	PARTY4	Direct	6,000,000.00 EUR	7,000,000.00 EUR	1,000,000.00 EUR	4,000,000.00 EUR
ZYXZDEFFPT5	PARTY5	Direct	7,000,000.00 EUR	0.00 EUR	7,000,000.00 EUR	7,000,000.00 EUR
ZYXZDEFFPT6	PARTY6	Intermediary	1,500,000.00 EUR	500,000.00 EUR	900,000.00 EUR	2,000,000.00 EUR
ZYXZDEFFPT7	PARTY7	Direct	6,000,000.00 EUR	7,000,000.00 EUR	1,000,000.00 EUR	4,000,000.00 EUR
TOTALS			28,000,000.00 EUR	23,000,000.00 EUR	11,800,000.00 EUR	23,000,000.00 EUR

FIGURE 109 – MINIMUM RESERVE INFORMATION PER ACCOUNT HOLDER – LIST SCREEN

Label	Field Description
A	This column displays the BIC of the party that holds the cash account for which the list dis-plays the minimum reserve information.
B	This column displays the name of the party that holds the cash account for which the list displays the minimum reserve information.
C	This column displays the set-up of the minimum reserve holding of the party.

Label	Field Description
D	This column displays the amount of minimum reserves to be held by the party in the respect of the particular maintenance period.
E	This column displays the running average of the minimum reserve calculated as the arithmetic mean of the accumulated balances from the first business day of the current maintenance period until the day before the next business day.
F	This column displays the aggregated current balances of the cash accounts held by the party, which is the sum of the opening balances and the settled cash transfer orders for these cash accounts.
G	This column displays the amount that is needed at the end of each business day in order to fulfil the minimum reserve requirement on a daily basis until the end of the maintenance period.

TABLE 137 – MINIMUM RESERVE INFORMATION PER ACCOUNT HOLDER – LIST SCREEN FIELD DESCRIPTIONS