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target services

# Data Warehouse

## User Handbook


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# 1 Introduction

## 1.1 Purpose of the document

The Data Warehouse (DWH) User Handbook, hereinafter referred to as UHB, aims to facilitate the use of the Data Warehouse Graphical User Interface. It is addressed to all DWH users, regardless of the parties and describes the full range of functionalities available in user-to-application (U2A) mode. The UHB provides detailed reference information on all GUI functionalities and step-by-step descriptions. Thus the DWH UHB provides helpful information on the use of the DWH GUI.

There is only one handbook for DWH addressing all actors: Central Banks (CB), Payment Banks (PB) and Ancillary Systems (AS). Specific chapters for CB users with advanced user's profile (see chapter Overview) are marked with the annex "for advanced user" in the title of the chapter. All other chapters are relevant for each reader.

The UHB is part of the functional documentation and complements the DWH UDFS, which can be found on the ECB's website.

Updated versions of the UHB will be provided on a regular basis.

### 1.1.1 UHB Methodology

To ease orientation and help you to find your desired information quickly several symbols and methodological elements are used throughout the DWH UHB.

**Page**

Every page of the UHB has a similar page layout. You can find the following elements:

- The header, which shows the chapter and the sub-chapter title,
- The text, which contains the main information, tables and screenshots
- The footer, which shows page number and the amount of pages of the document

**Links**

Links are illustrated throughout the UHB with a little triangle followed by a page number within squared brackets. These links help you to jump to related sections by clicking on them or turning to the relevant page.

Example:

[▷ 209]

**Tables**

Tables are used to present information in a clearly arranged format. They consist of a table head and a table body. The body is divided into a left and a right column. The left column contains keywords, for example field names, which are explained in the right column. Subsections within a table are preceded by a heading. The order of the description follows the appearance on the screens from left to right and from top to bottom.

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**Action steps**

Step-by-step descriptions are divided into single action steps. These steps are numbered sequentially. Intermediate results are described where appropriate.

**Screenshots**

Screenshots are used to illustrate the corresponding text. Note that there might be minor deviations between the screenshot and your screen appearance, according to your access rights or a specific selection you have made. In addition, some functions are mutually exclusive and cannot be represented in a single screenshot. In these cases, the screenshot illustrates the more relevant use of the screen.

Values shown on a screenshot might also deviate from the default values indicated in the description. In these cases, the description is valid rather than the screenshot.

### 1.1.2 UHB Structure

The UHB is divided in eight chapters:

**Chapter 1**

The chapter **Introduction** explains the aim, the content and the approach of both the UHB and the DWH GUI. While the first section explains how to use the UHB, the second section focuses on technicalrequirements.

**Chapter 2**

The chapter **Introduction to the Data Warehouse** provides background information about the Data Warehouse itself and also about the software tool used as GUI.

**Chapter 3**

The chapter **First steps & basics** provides the reader with basic elements and the structure of the DWH GUI.

**Chapter 4**

The chapter **Working with reports** explains the reader how to

- copy and save a report (see chapter Copy, save and export)
- run a report (see chapter Running reports)
- schedule a report (see chapter Scheduling reports)

**Chapter 5**

The chapter **Predefined reports** provides the reader with information about all predefined reports.

**Chapter 6**

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The chapter **Understanding user rights and access rights** is only applicable for advanced users and explains on one hand the functional security and on the other hand the data security in DWH.

**Chapter 7**

The chapter **Creating reports** is only applicable for advanced users and provides information how to build a user defined report from scratch and how to adapt a predefined report.

**Chapter 8**

The chapter **DWH data objects** lists all data objects available in the DWH GUI.

## 1.2 Set-up and Login

### 1.2.1 GUI Access

Users are directed to an initial page named ESMIG portal that ensures proper routing to the web applications the user has been granted to enter. Refer to the Connectivity Guide specified in the ESMIG UDFS document, current version available, for details on the communication network and services.

### 1.2.2 Technical Requirements

Before entering the GUI, make sure to implement all necessary preparations described below.

Such preparations may be subject to periodical review/update to comply with changing technical/regulatory scenarios.

Please refer to the “ESMIG U2A Qualified Configurations” annex of ESMIG UDFS.

The required minimum screen resolution is 1366 x 768 pixel. Screen resolutions below this requirement are not supported and can lead to a deviating appearance and functionality of the GUI.

Even if the screen resolution fulfils the requirement defined above, it is important to note that scaling options provided by the operating system and the browser (e.g. 125% or 150%) may cause a deviating appearance and functionality of the GUI. If this is the case, the usage of scaling options is not supported.

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# 2 Introduction to the Data Warehouse

## 2.1 Overview

The aim of the DWH is to store and compile information coming from T2 (Real-Time Gross Settlement (RTGS) and Central Liquidity Management (CLM)), TARGET2- Securities (T2S) and common components i.e. Common Reference Data Management (CRDM), Billing (BILL), Contingency Services (ECONS II) and Business Day Management (BDM) in a homogenous manner at business level. As in T2 only data from the current business day are available, based on a reliable and secure database, the DWH offers the possibility of accessing the past data accumulated for further data analysis.

The DWH provides access to data in U2A mode and permits access to data within the databases. It gives a business-oriented view of the collected data without any detailed technical database terminology. Therefore, no knowledge about the database structure of T2 or T2S is required. It provides information through reports as predefined reports (for all user profiles) and user defined reports (only applicable for CB users with advanced user profile).

The DWH consolidates the content of the sources into a single database for reporting purposes and offers pre-defined reports to the users of the following T2 and T2S parties:

- Central Banks (CB),
- Central Securities Depositories (CSD),
- Payment Banks (PB),
- Ancillary Systems (AS).

The precondition for a user to obtain access to the DWH is a setup in CRDM by the respective party. Access to the DWH depends on the user's profile, which ensures that the user is allowed to perform the requested action(s). There are two user profiles reflected as privileges in CRDM:

- Normal user profile: will be available for all party types.
- Advanced user profile: will be available for CB/CSD users only.

The data scope in the DWH follows the following rules:

- Users have access to their parties' data based on the data scope according to the hierarchical model (for details please refer to CRDM UDFS).
- For CBs/CSDs: Each CB/CSD has access to granular data for all parties belonging to its system entity. Moreover, each CB/CSD has access to aggregated data of all system entities.

The DWH uses Cognos as platform. It is an enterprise wide Business Intelligence (BI) solution, mostly used for reporting. Cognos is a web-based solution. Both the development and the end user interface are displayed on the web. It supports Relational Online Analytical Processing (ROLAP) and Multidimensional Online Analytical Processing (MOLAP) data sources.

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The DWH provides reports to users in different formats in user-to-application mode (U2A) or to other applications in application-to-application mode (A2A). The user can run a report directly in the DWH GUI (Cognos) and export the result. The second option is A2A delivery of the report as a file. To achieve this, the report has to be scheduled as described in chapter Scheduling reports.

**Note:** A CB user with advanced user profile was used in order to show the full scope of all screenshot pictures presented in this document.

## 2.2 Process of the Data Warehouse

DWH receives data from different services and common components and processes the data in order to make them available via reports and files. The data passes through the following three layers:

1. landing zone,
2. core layer,
3. enterprise layer.

The data are transmitted into the landing zone of the DWH as a copy after the end of each business day (EoD). The landing zone buffers the data before they are selected and loaded into the core layer.

The core layer stores only granular, validated, harmonised and historicised data.

From the core layer the data are loaded into the enterprise layer. In the enterprise layer the data are aggregated, calculated and prepared for reporting and analysis in a dimensional structure.

The stored data cannot be retrieved in the landing zone; instead, detailed structured and aggregated data can be accessed through the reports. The reports are built using the data in the core and the enterprise layer.

After processing (data transformation and pre-calculations) of the transmitted data within the DWH, data from the previous business day are available in the DWH at the start of the new calendar day at the latest.

The following diagram provides a high-level overview of the flow from the source through the different DWH layers:

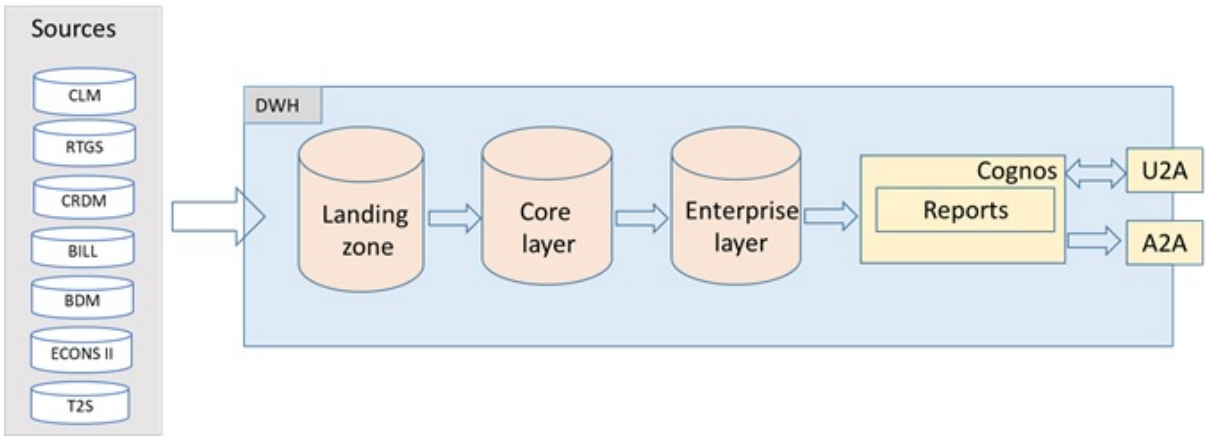



**Figure 1: DWH high level overview**

# 3 First steps & basics

## 3.1 Access to the DWH

Access to the DWH is managed through the Eurosystem Single Market Infrastructure Gateway (ESMIG). ESMIG provides to the DWH specific credentials found in CRDM for a specific user-id. This ensures that you have access to the relevant information depending on the party you belong to, the party type and your privilege.[1]

As soon as your login is successful, you will see the welcome page.

The welcome page provides quick access to the product functionalities and content.




**Figure 2: Welcome page**

Footnotes

1 For details on the network communication and services, please refer to the Connectivity Guide specified in the ESMIG UDFS.

## 3.2 Welcome page

The welcome page consists of three components. The first part, the ‘Create from existing data’ folder, is visible or not visible depending on the privileges of the user. In addition, the most recently used reports are displayed under the ‘Recent’ tab. The third tab, ‘Favourites’, displays reports previously set as favourites. These functions enable faster navigation through the DWH and frequently used reports directly from the welcome page.

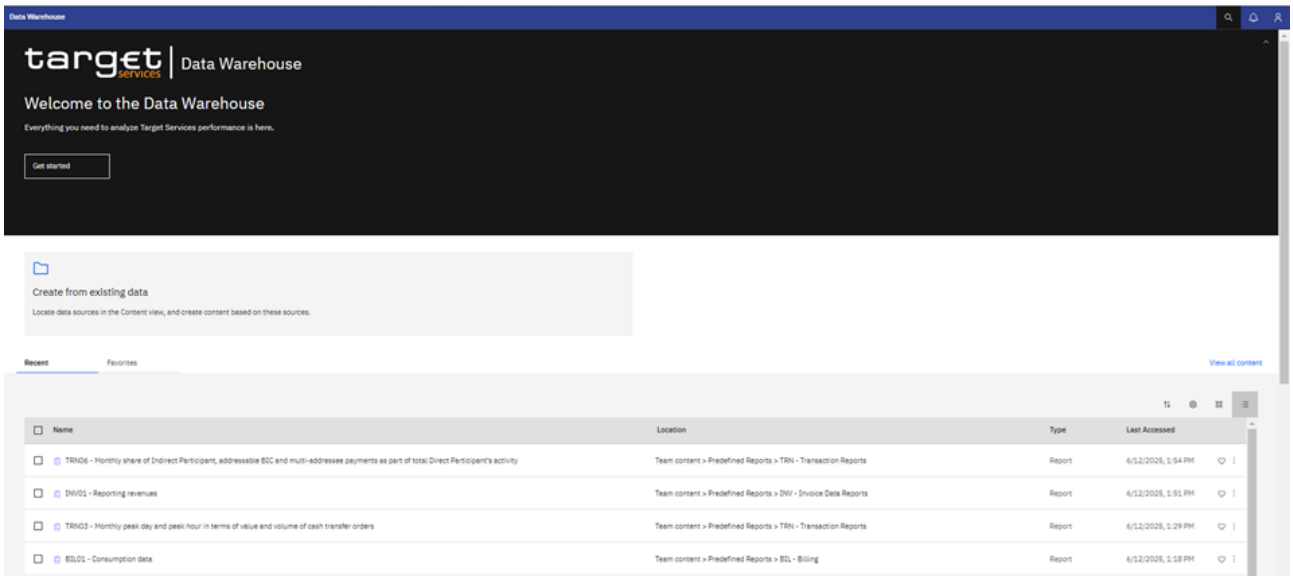



**Figure 3: Welcome page – Content**

### 3.2.1 Welcome page - Create from existing data

Within this folder, the user can create a user-defined report based on the previously selected data model.

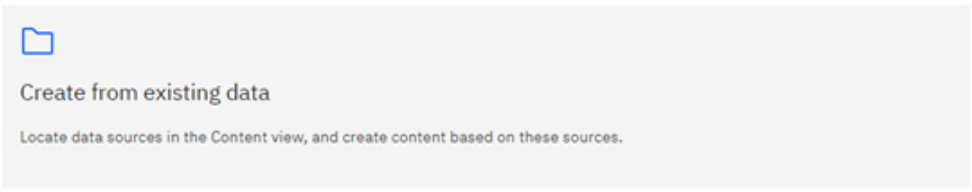



**Figure 4: Welcome page – Content – Create from existing data**

### 3.2.2 Welcome page - Recent

The most recently selected and executed reports are listed here. These can be sorted according to preselected criteria. The reports can also be displayed either as a tiles view or as a list view.

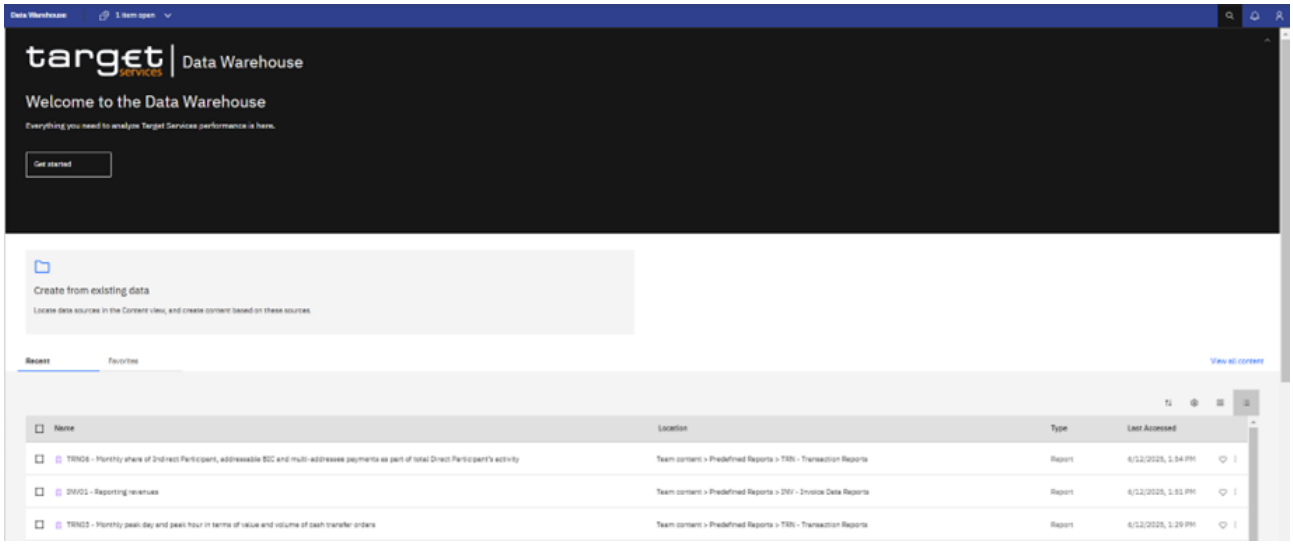



**Figure 5: Welcome page – Content – Recent**

## 3.2.3 Welcome page - Favorites

The second tab, ‘Favourites’, displays reports previously set as favourites. Within this tab, it is possible to filter by criteria , sort the reports, reload the page and display the content either as tiles view or as list view.

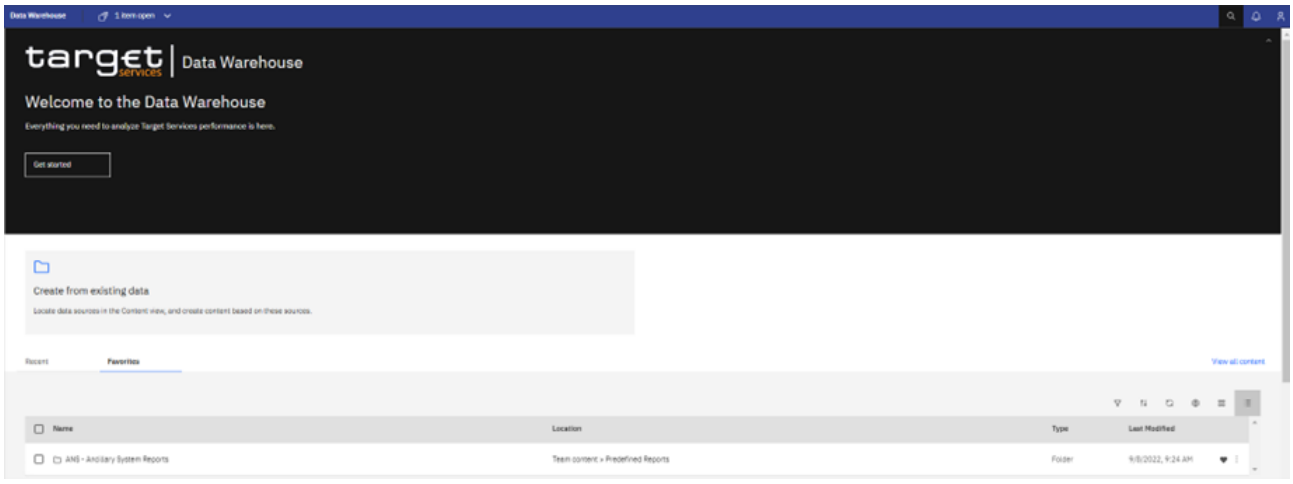



**Figure 6: Welcome page – Content – Favourites**

To set a report as a favourite, select the heart symbol at the end of the report column so that it turns dark. Once a report has been selected, it appears under ‘Favourites’ on the welcome page and in ‘Content’.

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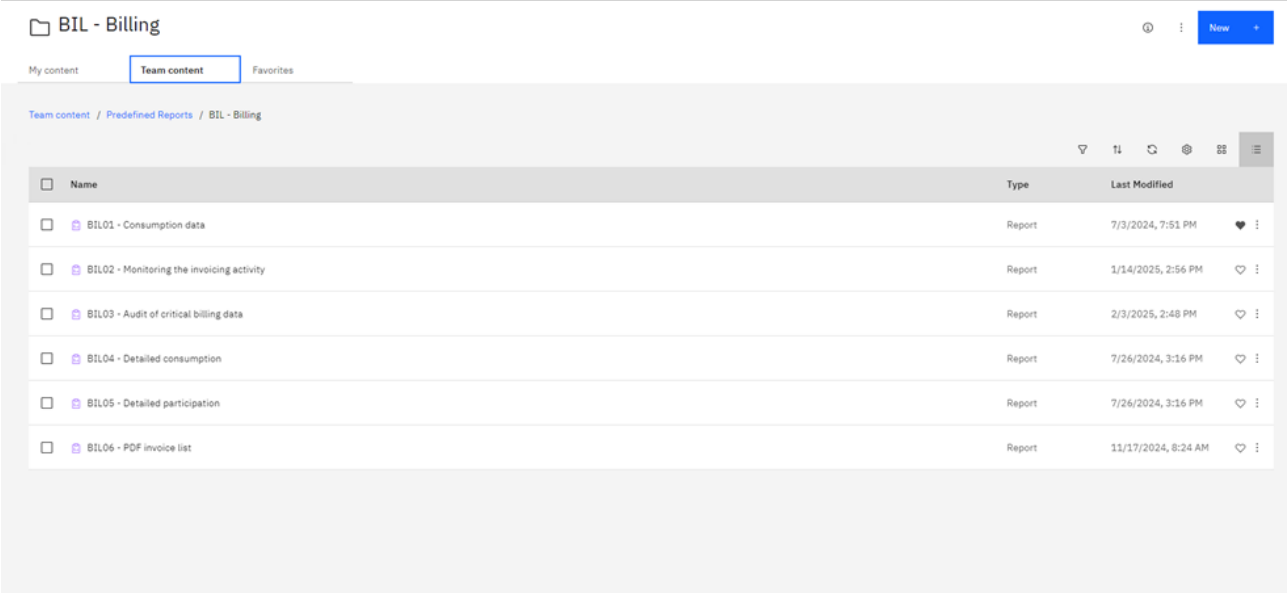



**Figure 7: Favourites - Team content**

## 3.3 Navigating in the DWH GUI - Global application bar

The global application bar (the blue bar at the top of the screen) is a constant element of the user interface and is a building block of the welcome page.

When the welcome page is open, the following, standard options are available:

- “Open menu” icon ( )
- “Data Warehouse” home page link ( Data Warehouse )
- “View switcher” - only visible if at least one document is open ( 1 item open )
- “Search content” ( Search content )
- “Notifications” icon ( )
- “Personal menu” icon ( )

### 3.3.1 Open menu

The “**Open menu**” is the main access point to the Cognos Analytics.

Click the “**Open menu**” icon ( ) in the application bar to access the menu options.

### 3.3.2 Data Warehouse icon

By clicking on the “**Data Warehouse**” icon ( Data Warehouse ) you return to the “**Welcome**” page.

### 3.3.3 View switcher

In the DWH GUI different pages each containing another report can be open at the same time. The “**View switcher**” in the application bar provides a convenient way to navigate between open views, and closes the views when they are no longer needed. You can navigate between different types of items, such as folders, reports, schedules, and more, from this view.




**Figure 8: Welcome page - navigation view**

In the following example, you open a report and a report view. The “**View switcher**” provides the ability to view both of the objects:

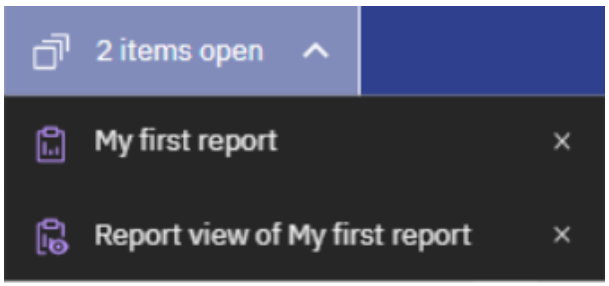



**Figure 9: Welcome page - navigation view - items**

By clicking on the report or the report view, you can switch between the report and the report view:

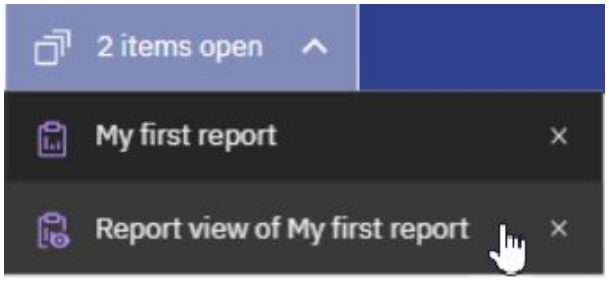



**Figure 10: Welcome page – navigation view – items – report view selection**

### 3.3.4 Search content

Search content is a quick and easy way to find content in Cognos.

You can search for items such as reports, folders etc. You can also search for table or column labels, XML report specifications, shortcuts, templates, and more.

Search content does not return results for content that is archived, but you can access archived content from any report that is listed in one of your folders.

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The search content box is located in the application bar, as shown in the following screen capture:

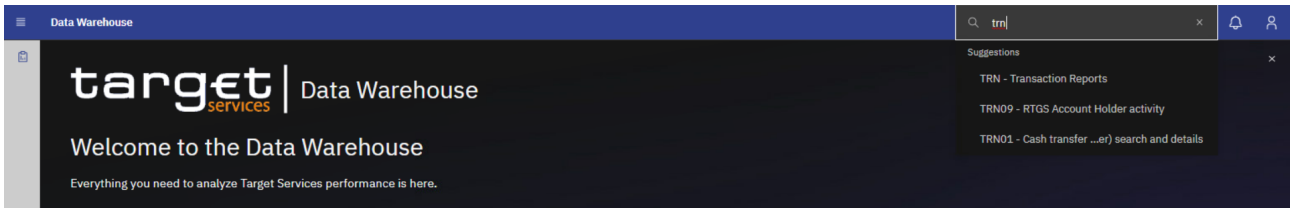



**Figure 11: Welcome page – Search content**

To find items, type the search terms (keywords, phrases, strings), and click the Enter key. After the search results are listed, you can save your search by clicking the "**Save search**" button ( Save search ). If your search returns too many results, you can click the "**filter**" icon ( ), and select the options that you want. The filter option is only available after you do an initial search. The filters are saved with the search.

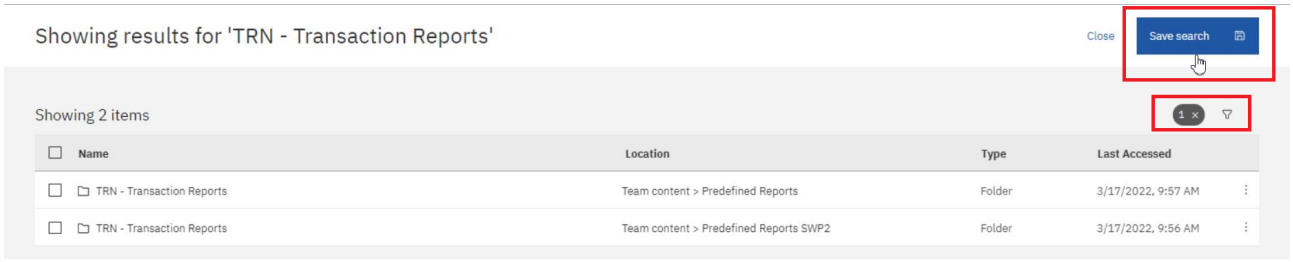



**Figure 12: Welcome page – Search content - Save search**

From the search results page, you can initiate actions on the returned items. If you select multiple items (by clicking their check boxes), the related actions that are available for all or at least one item are shown in the toolbar, above the search results.

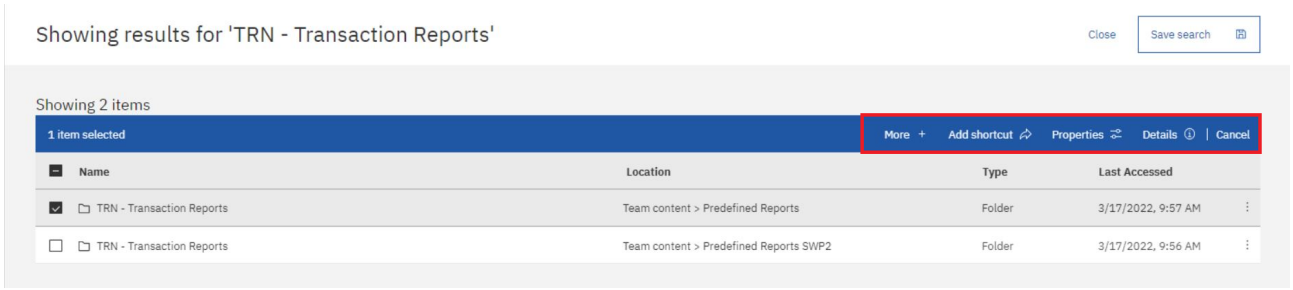



**Figure 13: Welcome page – Search content - initiate actions**

To view the actions for a specific item, select the checkbox for this item (all other items must be deselected), and click its "**Action menu**" ( ⋮ ) icon. The actions that are available for the selected item are shown. For example, the following screen capture shows actions for a report.

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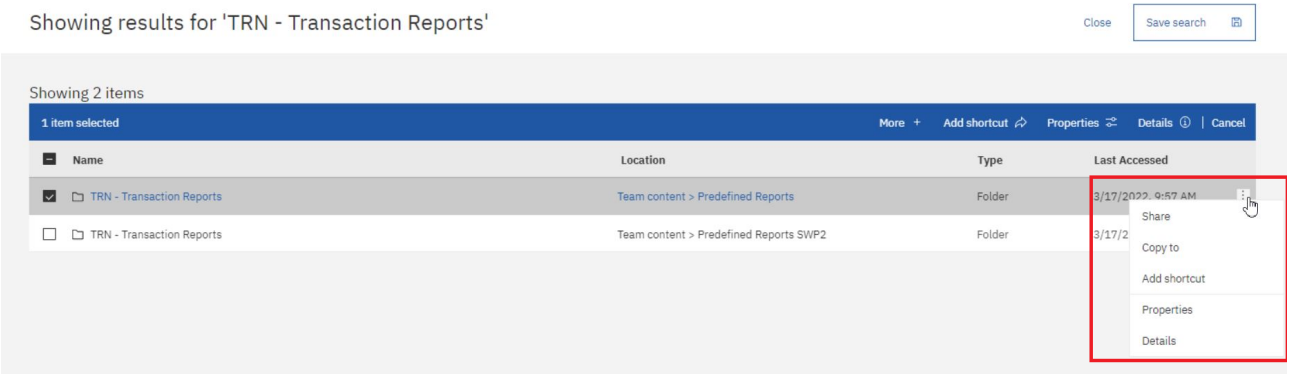



**Figure 14: Welcome page – Search content - Action menu**

**Special characters and search in double quotation marks**

You can use the following special characters in your search terms:

”~`!@#$%^&*()-+={[}]|:;'<,>.?/”

When you enclose your search terms in double quotation marks (" "), the search results include only those instances where the terms appear in the exact order as within the double quotation marks.

## 3.3.5 Notification

Notifications help you stay on top of important data.

If you view a saved output and you want to know when there is a new version of the report, you can click the “**Notify me**” button. A saved output is either a report view in HTML format or the HTML view of the report when the option “**Run in background**” is selected. If you choose to be notified when a new version is available, you are notified every time t a new version of the report is delivered..

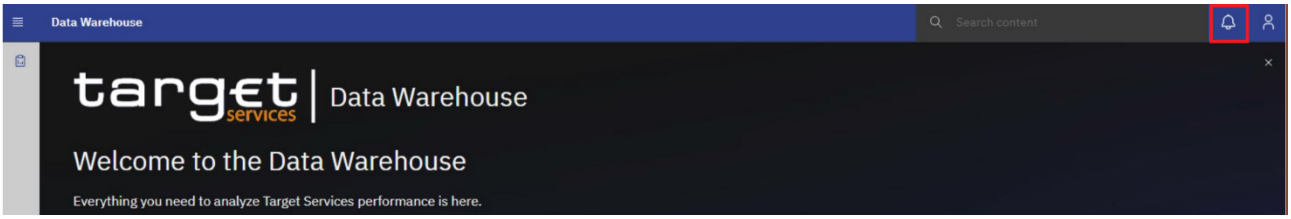



**Figure 15: Welcome page - Notification**

The Notify me option is available in view mode of an HTML output of a report or a report view when it is saved in “My content” folder when you tap the “More” button in the application bar.

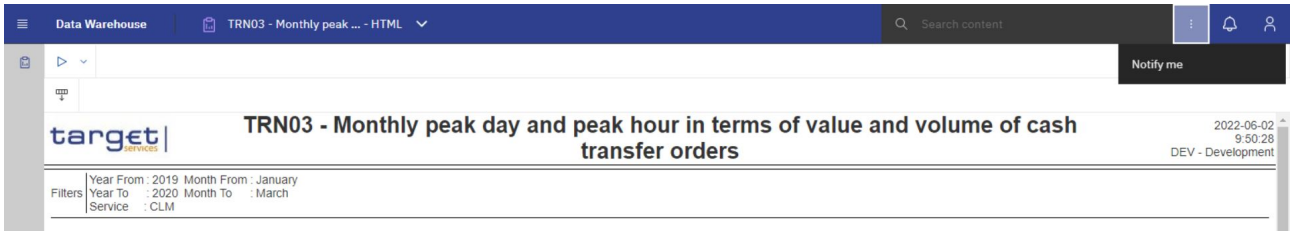



**Figure 16: More options – Notify me**

If you request notification and then someone runs that report, you get a notification with a link to the updated version.

When you subscribe, if you choose the "**Save the report on the system**" delivery option, you receive a notification with a link to the new report version.

To see all your notifications, tap the "**Notifications**" icon  in the application bar. When you revive a new notification, a number is added to the icon .

### 3.3.5.1 Subscribing to reports

When you subscribe to reports, you pick the time, date, format, and where you want it delivered. When you subscribe to a report, the subscription includes all your prompt and parameter values.

The subscription option is available in the application bar when you run and view a report, but not when you are in editing mode or when you view saved output.

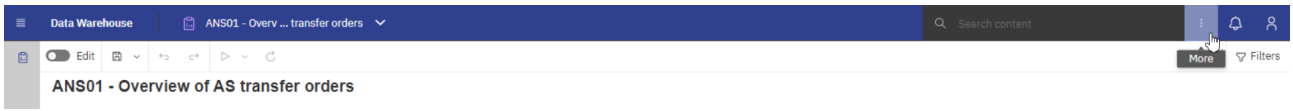
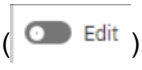



**Figure 17: Welcome page - Notification – subscribe**

**Note for users with advanced user profile:**

To ensure that you are in view mode, and not in edit mode, turn off the "**Edit**" toggle (  ).

If you edit a report, you must save it before you can subscribe.

After you subscribe, each time your report is delivered, you are notified by a red circle on the "**Notifications**" icon (  ) in the application bar.

The number in the red circle indicates the number of notifications that you have not yet viewed. Tap the notifications icon to find a message with a link to view the report output.

After you create your subscriptions, you can view and manage them. For more information, see chapter Scheduling reports.

## 3.3.6 Personal menu

In the “**Personal menu**” icon you can find settings to customise your DWH experience.

You can view and edit your personal and regional information, monitor the system activities etc. The user can edit the time zone, the product language and view the capabilities granted by the administrator. For further information, please refer to chapter Profile and settings.

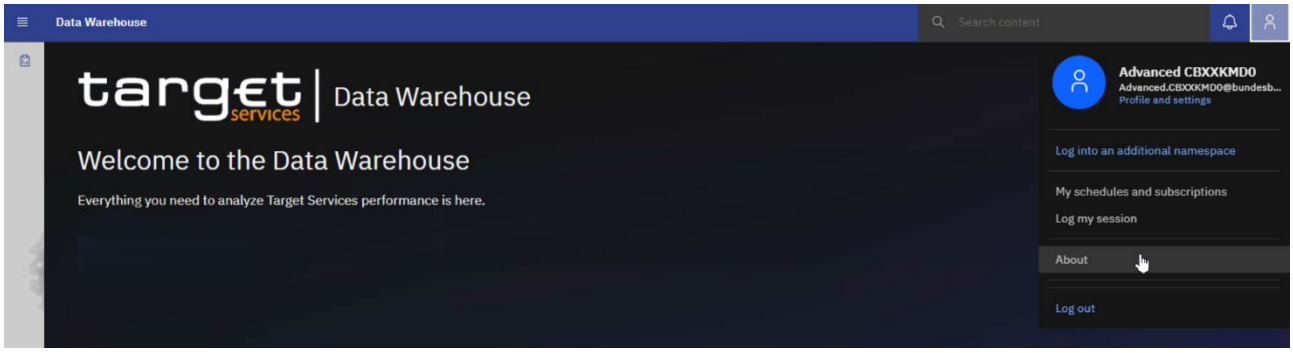



**Figure 18: Welcome screen – Personal menu (1)**

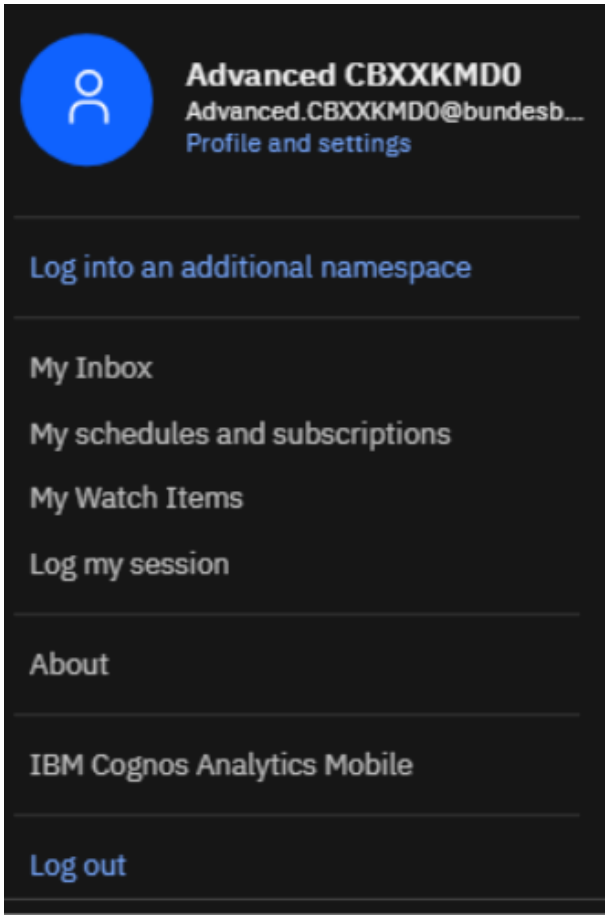



**Figure 19: Welcome screen – Personal menu (2)**

### 3.3.6.1 Profile and settings

In the “**Profile and settings**” menu you can find more information about your user under “**Profile**”. Please note, that some of the settings displayed have to be changed in CRDM e.g. User information, granted privilege.

For example you will see your email address if available in CRDM.

You can also find information about “**Groups and roles**” and “**My capabilities**” described in detail hereafter.

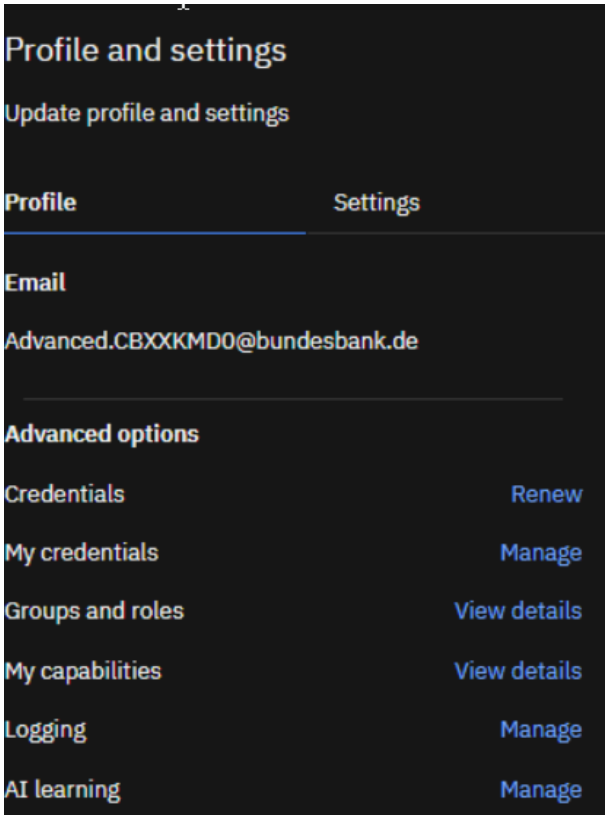



**Figure 20: Welcome screen – Personal menu – Profile and settings – Profile**

**Groups and roles**

You can find the groups and roles you are associated to by clicking on “**View details**” at the right of “**Groups and roles**”. Please refer to Understanding user rights and access rights (advanced users) to find more information about groups and roles.

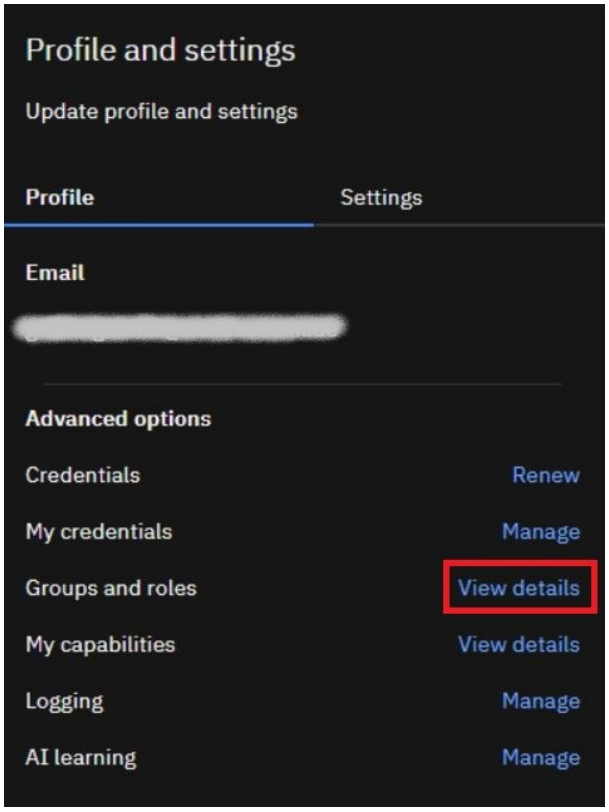



**Figure 21: Welcome screen – Personal menu – Profile and settings – Personal – Groups and roles**

In this example, the user belongs to a Central Bank with country code "**KM**". In CRDM the role containing the "**Data Warehouse Advanced User**"-privilege is granted to the user.

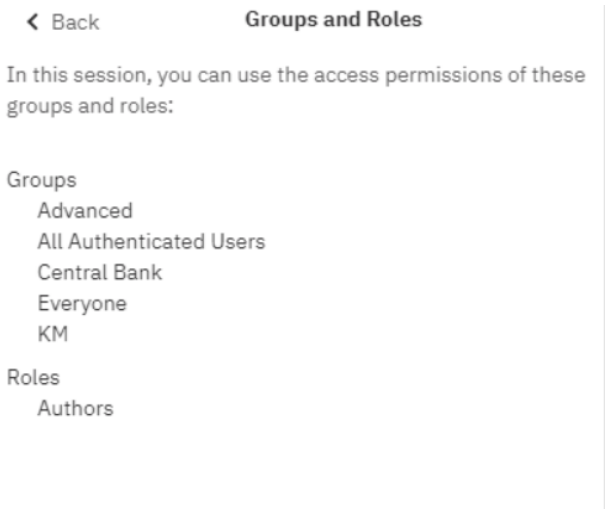



**Figure 22: Welcome screen – Personal menu – Profile and settings – Personal – Groups and roles**

## My capabilities

The capabilities control access to different administration tasks and different functional areas of the user interface in DWH. You can find the capabilities assigned to you by clicking on "**View details**" on the right of the section.

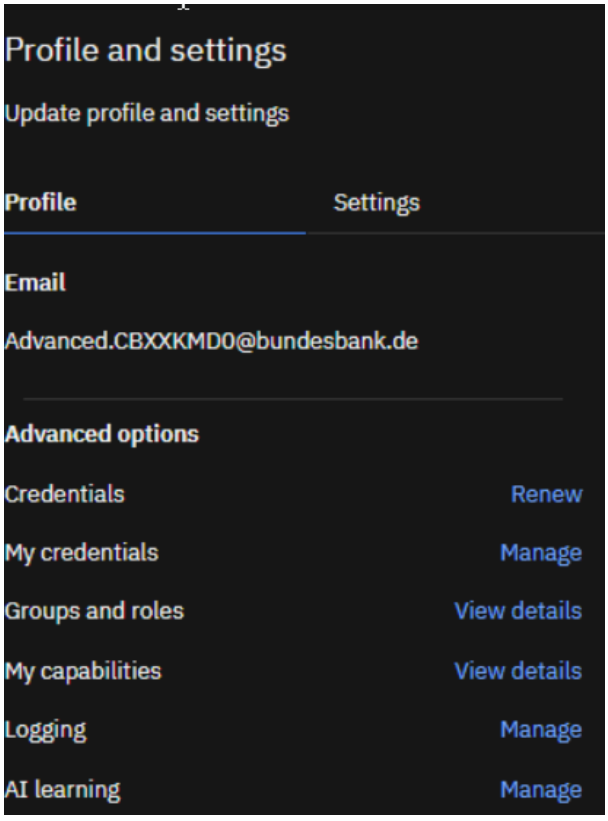



**Figure 23: Welcome screen – Personal menu – Profile and settings – Profile – My capabilities (1)**

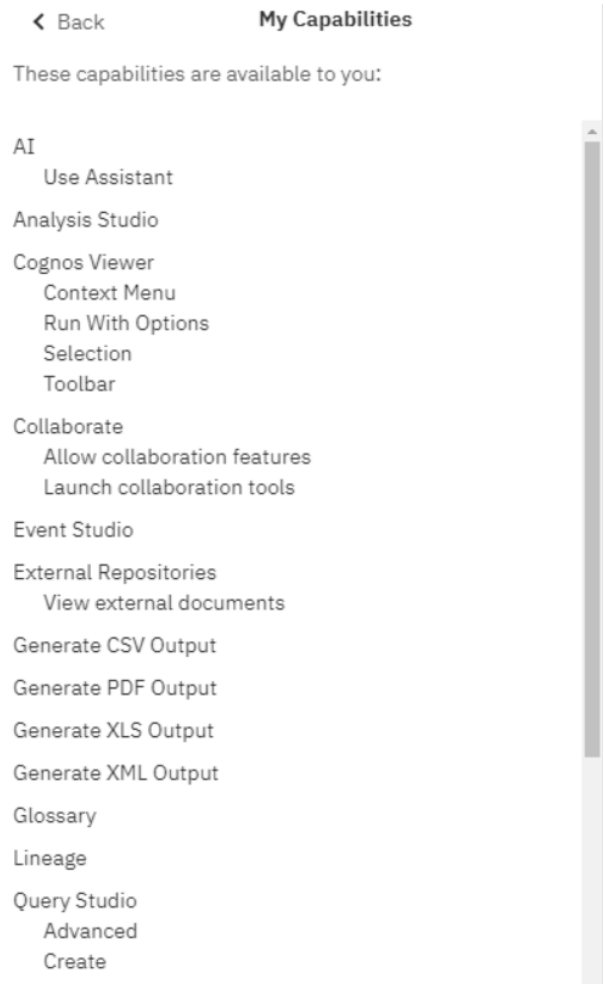



**Figure 24: Welcome screen – Personal menu – Profile and settings – Profile – My capabilities (2)**

### 3.3.6.2 Logging

You can use "**Logging**" to enable detailed, diagnostic logging for your current DWH session. This can be useful to support the analysis of the Operational Teams in case you run into reproducible problems or errors while using the Data Warehouse. In such a case, you can turn logging on and then perform the steps that lead to the problem or error you encountered. Session logging can run for one hour maximum, but can be turned off at any time.

A unique identifier is generated to allow the administrator to identify the session logging data. Record the log identifier before you turn off the logging or close your browser. Please remember to add this identifier to your ticket when requesting help.

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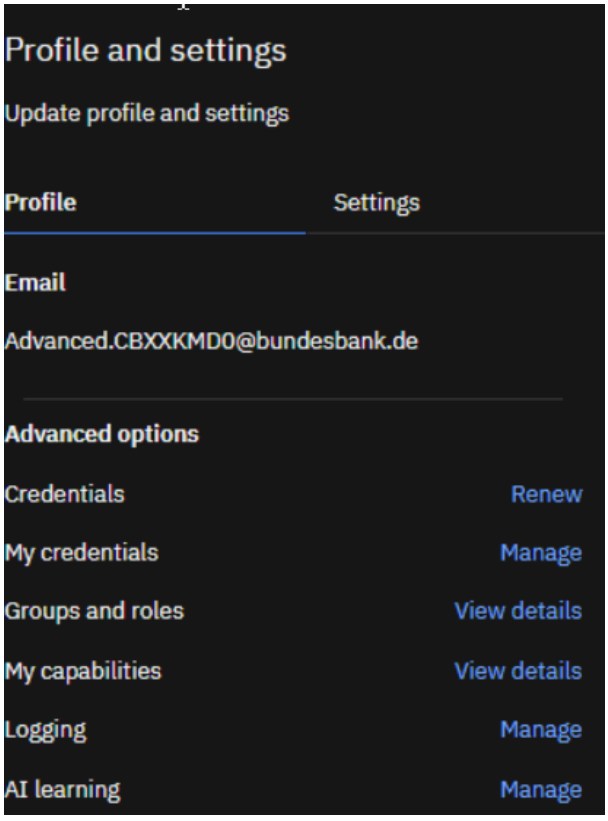



**Figure 25: Welcome screen – Personal menu – Profile and settings - Logging**

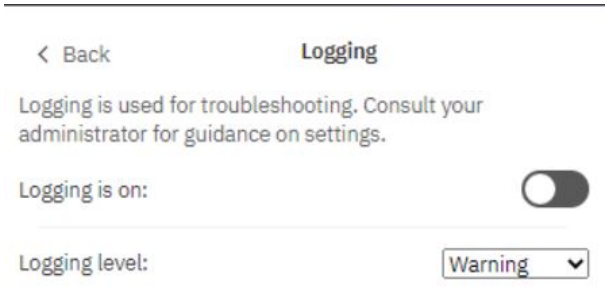



**Figure 26: Welcome screen – Personal menu – Profile and settings – logging**

In some circumstances, IBM customer support might direct you to increase the logging level. You can set it to one of the following levels:

**Error**

Basic level of logging that tracks only major error messages that occur during processing on the client workstation.

**Warning**

The next level of logging that includes all the information from the Error level of logging and includes warnings about situations that might not affect your system function.

**Information**

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This level of logging aggregates all previous levels of logging and includes more detail about the regular operation of the user interface. You might notice that performance at this level is slower.

**Debug**

This level of logging contains the most information. Use it if you are testing your own extensions or when you are advised by a member of the software development team or customer support. You can expect that performance at this level is noticeably slower.

Logging levels are stored in the browser cache. If you clear the browser cache, logging levels return to the default setting.

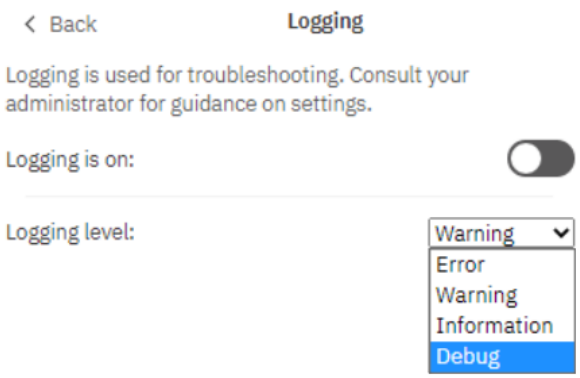



**Figure 27: Welcome screen – Personal menu – Profile and settings - logging level**

#### 3.3.6.2.1 Profile and Settings - Settings

You can set up settings for your DWH applications. To set your settings in the personal menu click on "**Profile and settings**" and then "**Settings**".

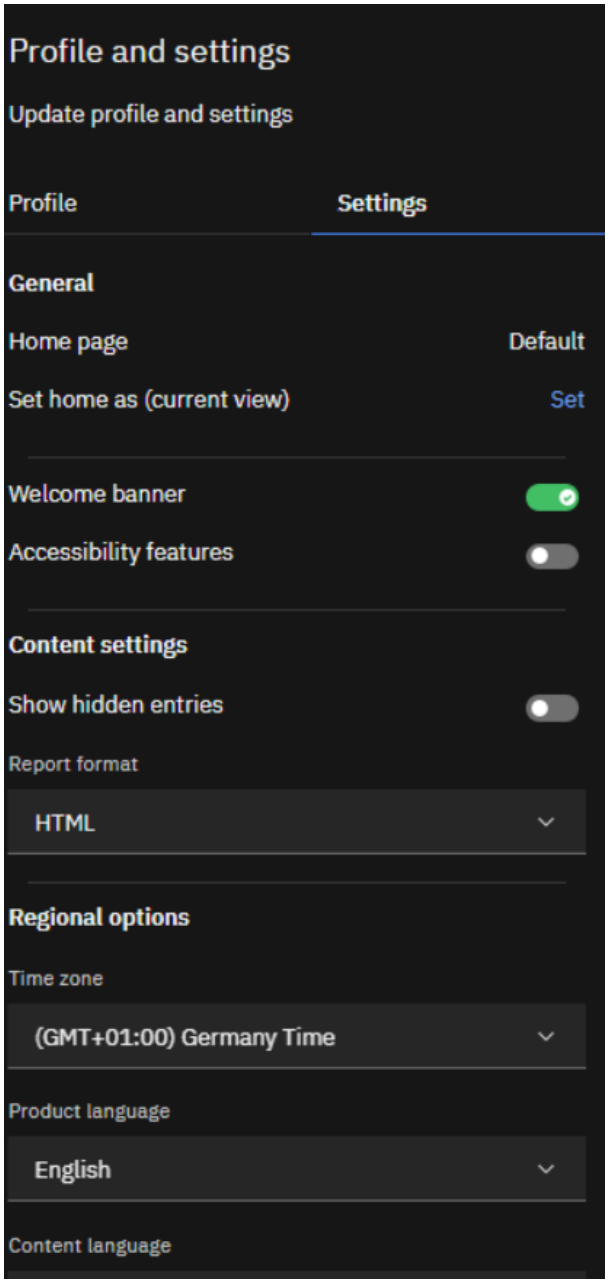



**Figure 28: Welcome screen – Personal menu – Profile and settings – Settings**

**Home page**

In case a different page than the default is set, the user can reset to the default

**Report format**

The default value for the report format is HTML

But you can also choose one of the following formats:

- Excel
- Excel Data
- PDF
- HTML
- CSV
- XML

**Turn on accessibility features**

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully

**Language settings**

The default language is English.

You can select the language that you prefer for the DWH user interface. If your data and reports are available in multiple languages, you can also select the language that you prefer for the content. There is also support for bidirectional languages such as Hebrew, Arabic, Urdu, and Farsi. Report authors can control the display of native digits and the direction of text, crosstabs, and charts.

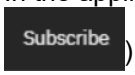
### 3.3.6.3 My schedules and subscriptions

This menu item allows you to browse through the list of all report runs scheduled for the day. You can view all your scheduled activities and subscriptions on the "**My schedules and subscriptions**" panel.

The subscription option is available when you run and view a report, but not when you are in editing mode or when you view saved output.

In order to subscribe to a report:

Run a report.

In the application bar, tap "**More**" icon in the application bar (  ) and then tap the "**Subscribe**" text ( 

).

Select your subscription options, and then tap "**Create**".

The subscriptions have the following characteristics:

A subscriber requires only Read and Execute permissions for the report.

There can be up to 32 subscriptions for the same report.

Created by running a report and, in view mode, tapping the "**More**" icon (  ) in the application bar.

Only the subscriber can view their subscription.

Only the most recent saved report output is available.

The report can be run daily or weekly.

You can view a list of your scheduled activities that are current, past, or upcoming on a specific day.

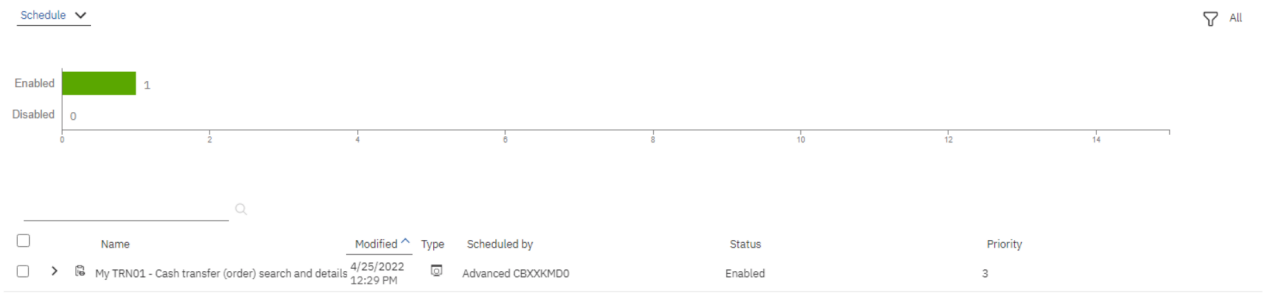



**Figure 29: Welcome screen – Personal menu – My schedules and subscriptions**

You can filter the list to show the entries you want to see by clicking on the down arrow next to the "**Schedule**".

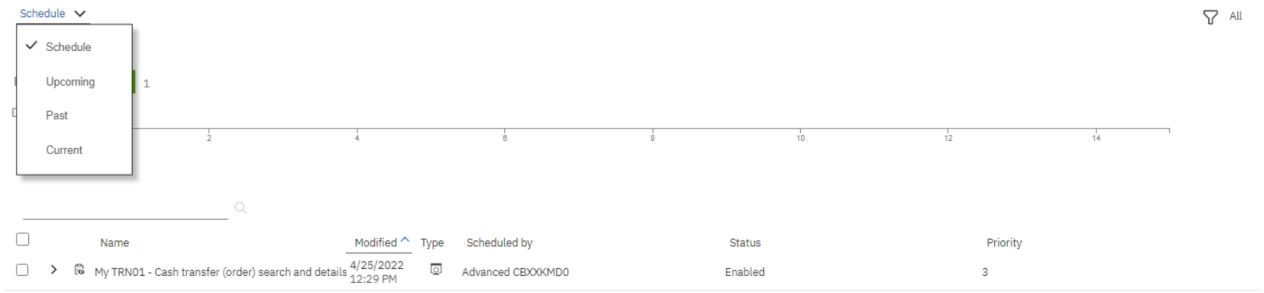



**Figure 30: Welcome screen – Personal menu – My schedules and subscriptions - Filter**

The following screenshots show the upcoming and the past schedules respectively:

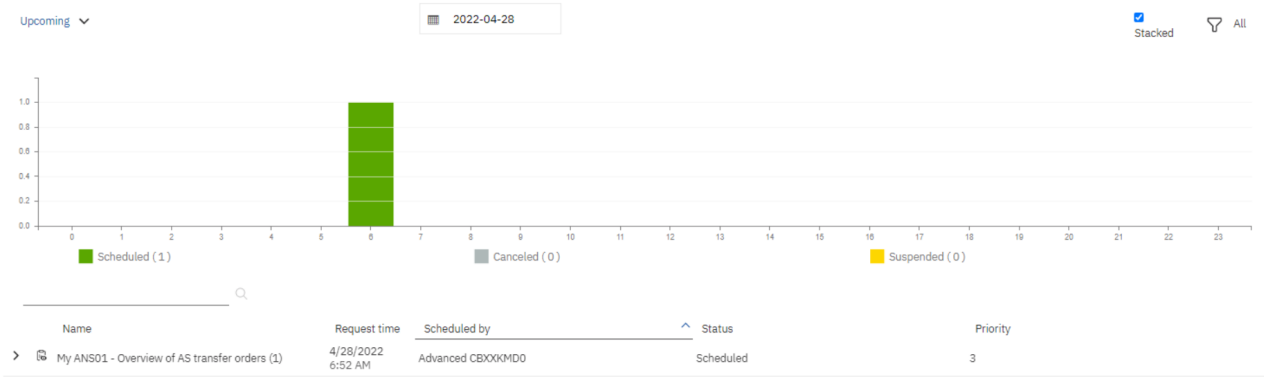



**Figure 31: Welcome screen – Personal menu – My schedules and subscriptions – Upcoming schedules**

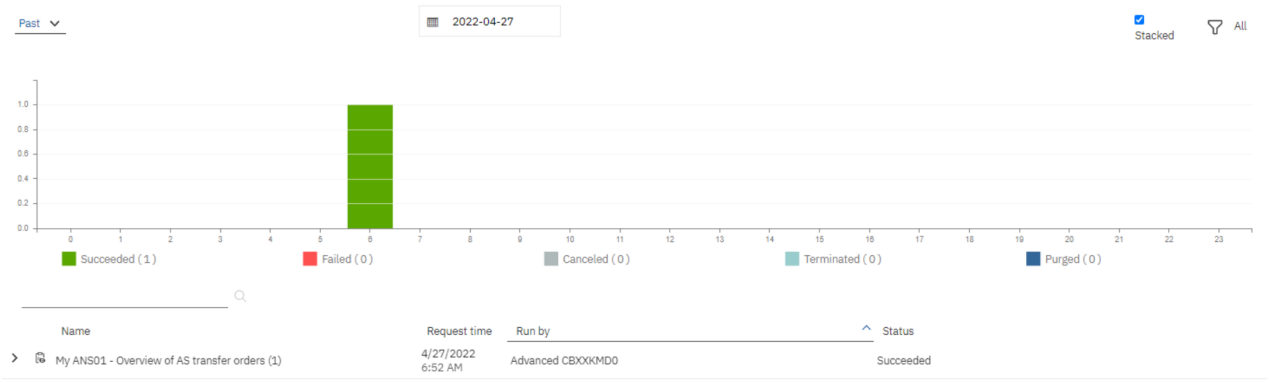



**Figure 32: Welcome screen – Personal menu – My schedules and subscriptions – Past schedules**

In general you can enable, disable, modify, or remove subscriptions, and view their saved outputs or the archived version details panel for information such as the run status and run time.

All this information are available by clicking on the “**More**” icon (•••):

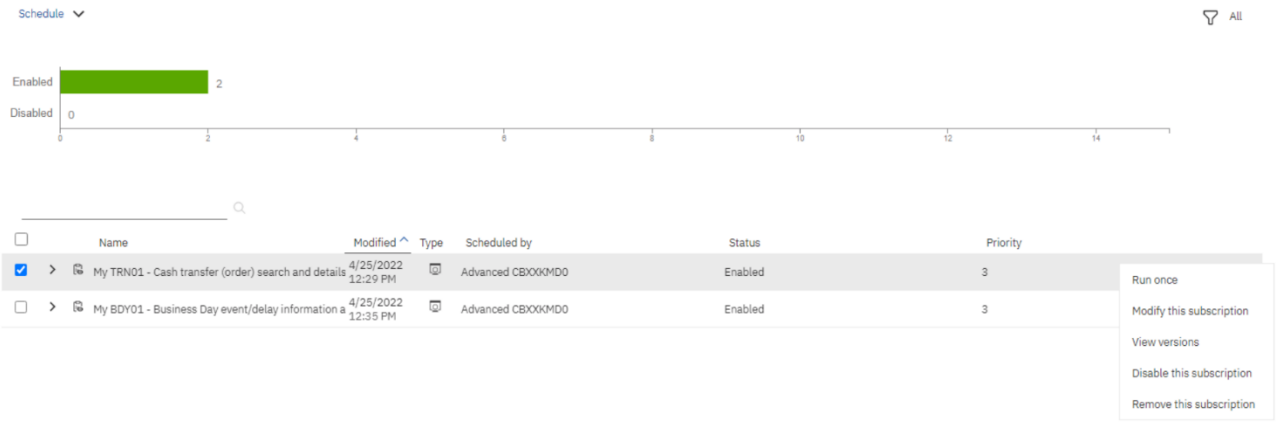



**Figure 33: Welcome screen – Personal menu – My schedules and subscriptions**

Enabled: The Status “**Enabled**” informs the user that the schedule is active.

Run once: By clicking here, the user can run the report once:




You can find further information on how to run a report in the chapter Run a report step-by-step.

Modify this subscription: Change the settings for the scheduled report.

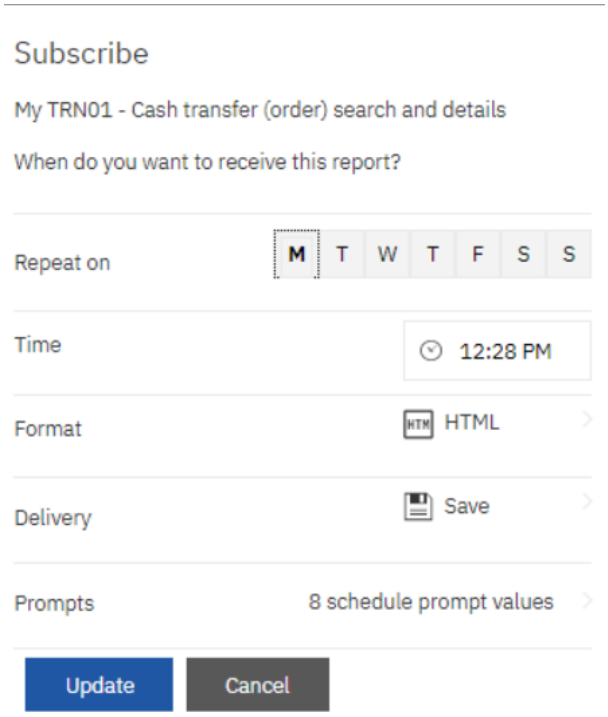



**Figure 34: Welcome screen – Personal menu – My schedules and subscriptions – Modify**

View versions: The versions of the report, that is the date it was executed after it was successfully scheduled

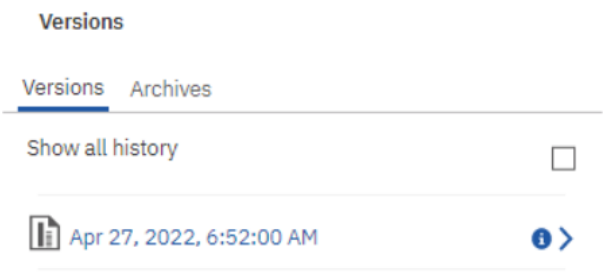



**Figure 35: Welcome screen – Personal menu – My schedules and subscriptions – View versions**

Disable this subscription: By clicking this option, the user disables the schedule




**Figure 36: Welcome screen – Personal menu – My schedules and subscriptions – Disable schedule**

Remove this subscription: The schedule will be deleted

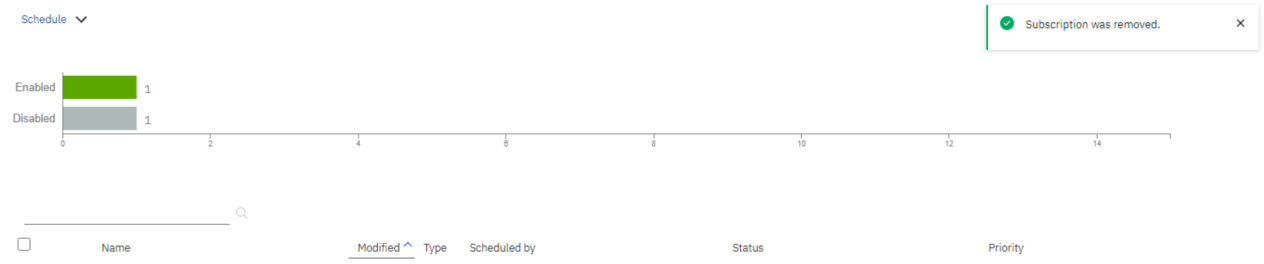



**Figure 37: Welcome screen – Personal menu – My schedules and subscriptions – Remove schedule**

In the top right corner, the user will find another filter.

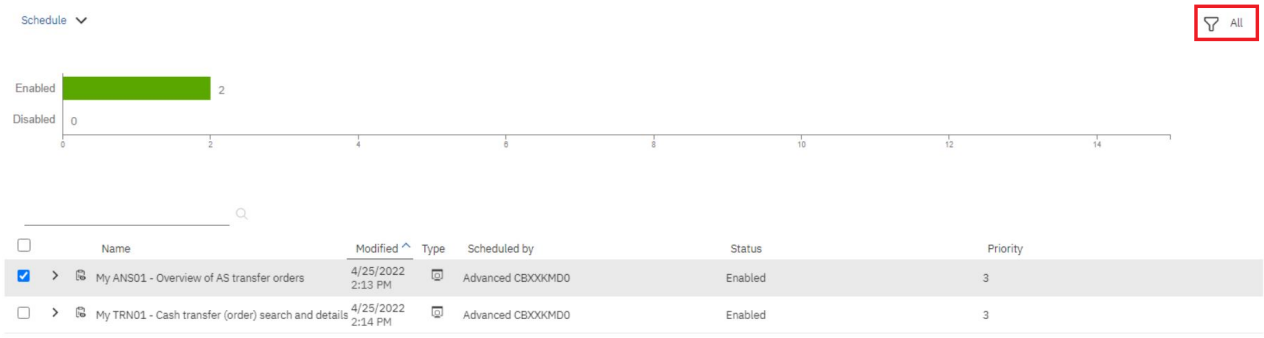



**Figure 38: Welcome screen – Personal menu – My schedules and subscriptions – Filter (2)**

By clicking on "**All**" ( All ) button, the user will be presented with further options.




**Figure 39: Welcome screen – Personal menu – My schedules and subscriptions – Filter (2) - Further options**

Subscription type: By clicking on the dropdown next to the "**Subscription type**" the user will be able to filter to see either the subscriptions or the activities.




Verify the choice by clicking on the "**Apply**" button ( Apply ).

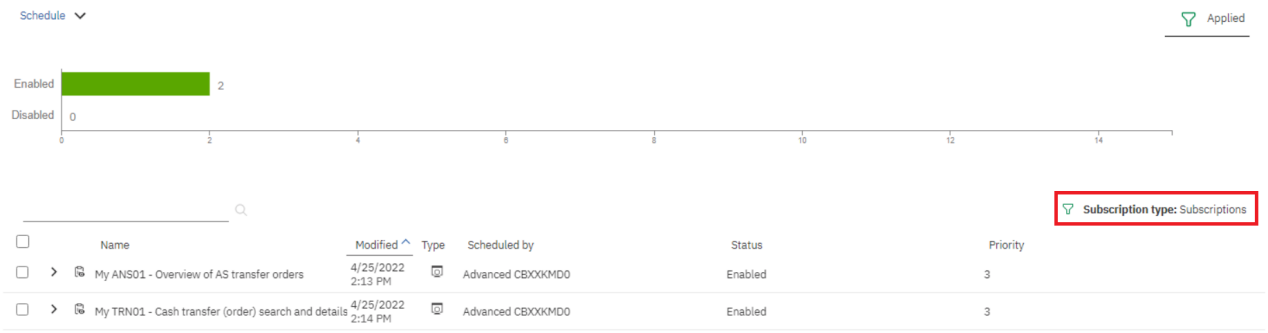



**Figure 40: Welcome screen – Personal menu – My schedules and subscriptions - Subscription type**

Status: By clicking on the dropdown next to the "**Status**", the user can choose to see either the "**Enabled**" or the "**Disabled**" schedules:



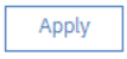
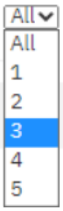

Verify the choice by clicking on the "**Apply**" button (  ).

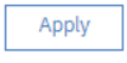




**Figure 41: Welcome screen – Personal menu – My schedules and subscriptions – Status disabled**

Priority: By clicking on the dropdown next to the "**Priority**", the user can choose to select different schedules according to the priority.




Verify the choice by clicking on the "**Apply**" button (  ).

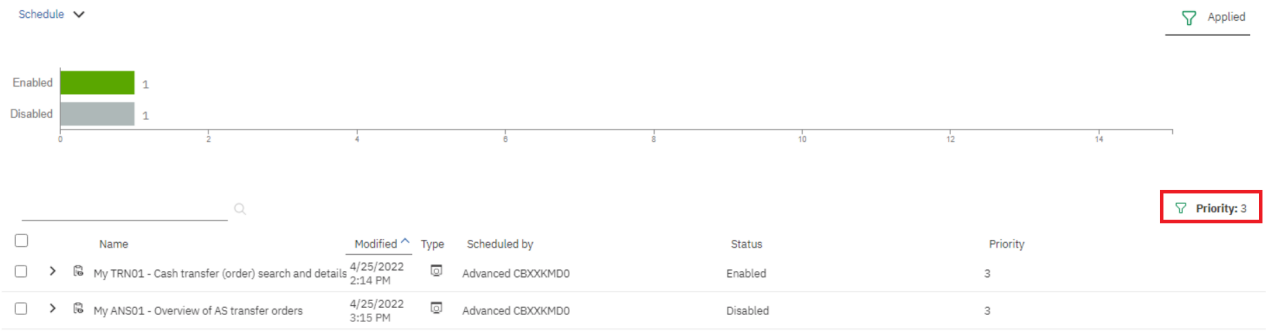



**Figure 42: Welcome screen – Personal menu – My schedules and subscriptions – Schedules Priority**

By clicking on the down arrow next to "**Advanced**", the user is presented with further options.

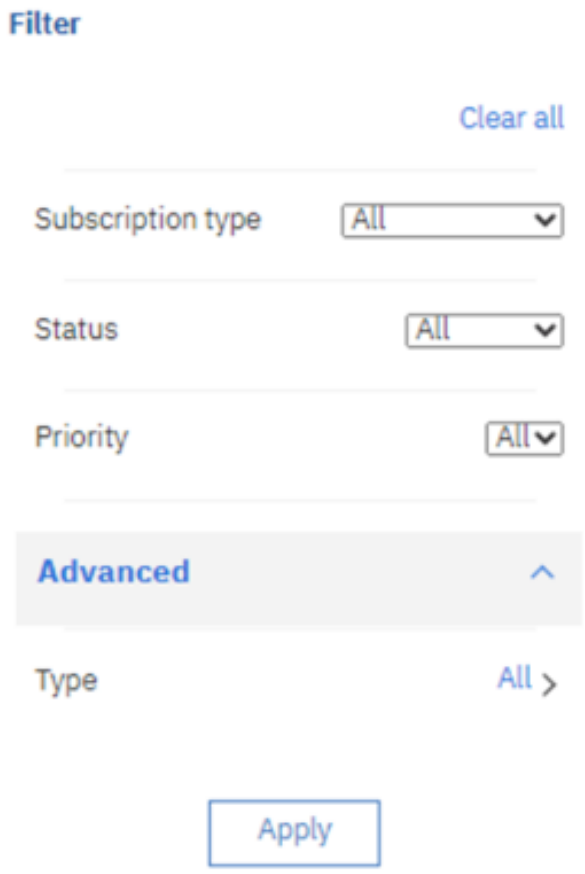



**Figure 43: Welcome screen – Personal menu – My schedules and subscriptions – Advanced**

By clicking on the "**All**" text ( All > ) next to the "**Type**", the user can choose which type of schedule to see, i.e. Report or Repot view:

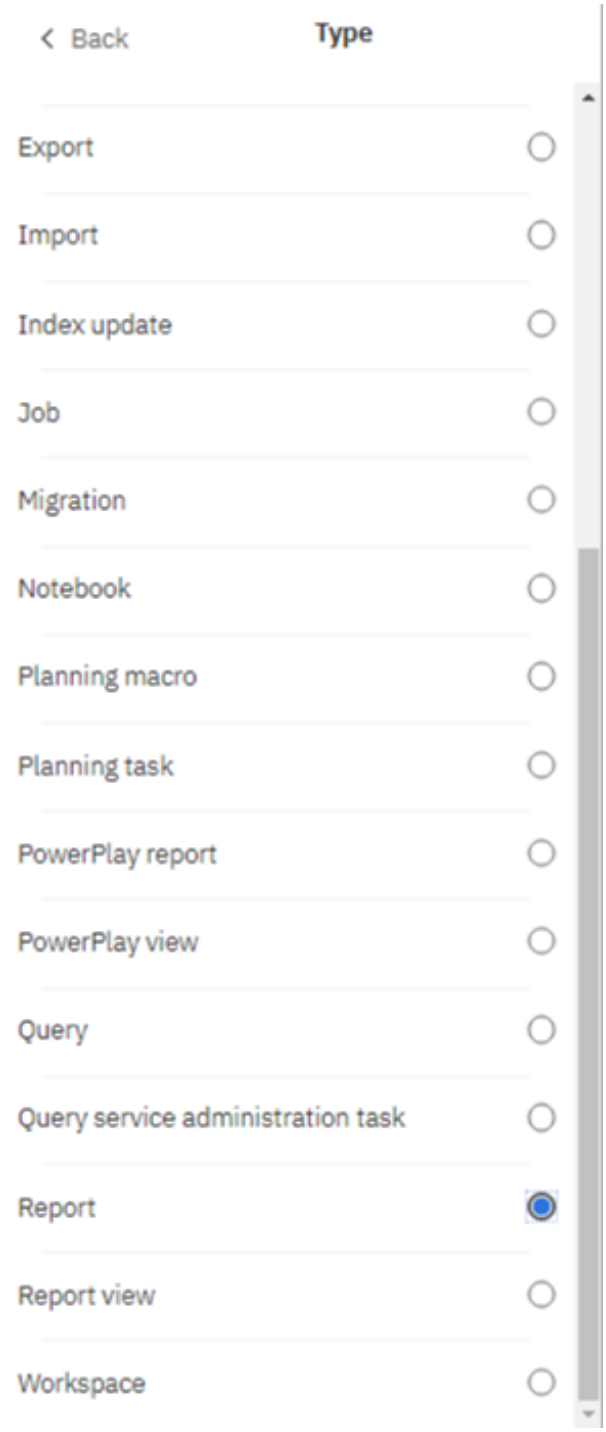



**Figure 44: Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule**

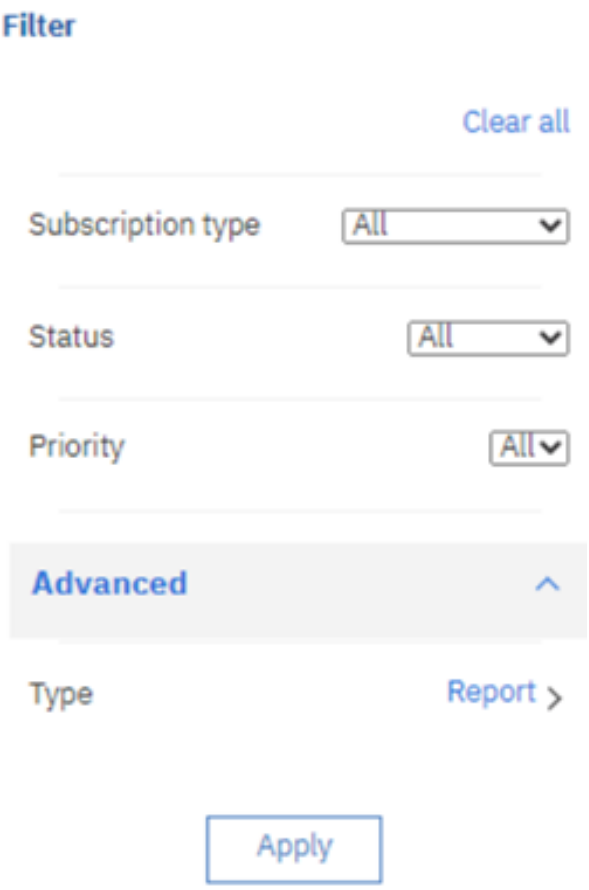



**Figure 45: Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule – Report**

By clicking on "**Back**" text in the upper left corner ( < Back ) and clicking on the "**Apply**" button ( Apply ), the user can see the type of schedule that has been chosen.




**Figure 46: Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule - Report**

### 3.3.6.4 Log out

In order to log out you can use the "**Log out**" item from the personal menu in the toolbar.

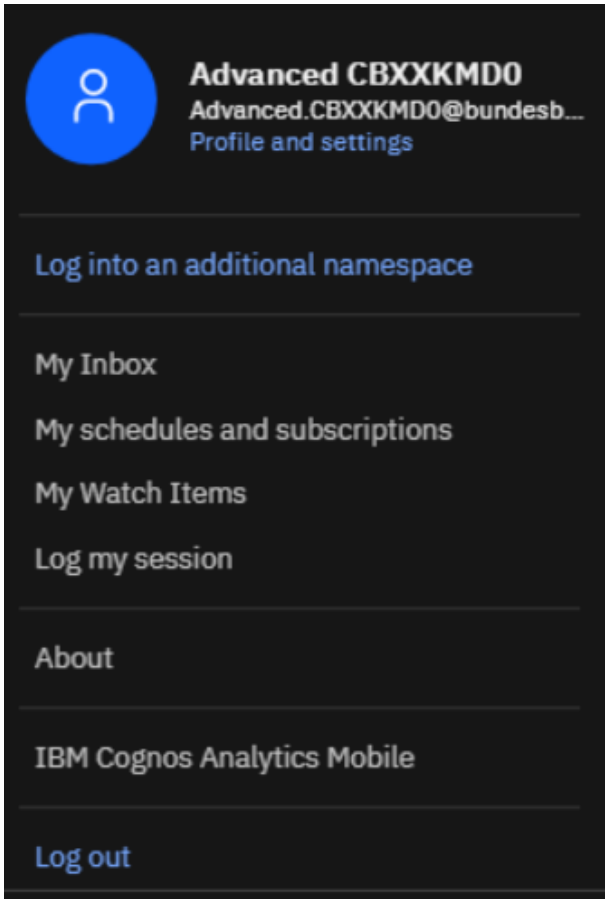



**Figure 47: Personal menu - Log out**

## 3.4 Navigating in the DWH GUI - menu

On the left side of the screen you can find the “**Open menu**” icon ( ) with different folders and the “**System information**” ( ).




**Figure 48: Welcome page - menu**

### 3.4.1 Data Warehouse logo

By clicking on the “**Data Warehouse**” logo, you return to the “**Welcome**” page.

## 3.4.2 Open Home

The first icon under the “**Open Home**” icon is the “**Home**” icon.

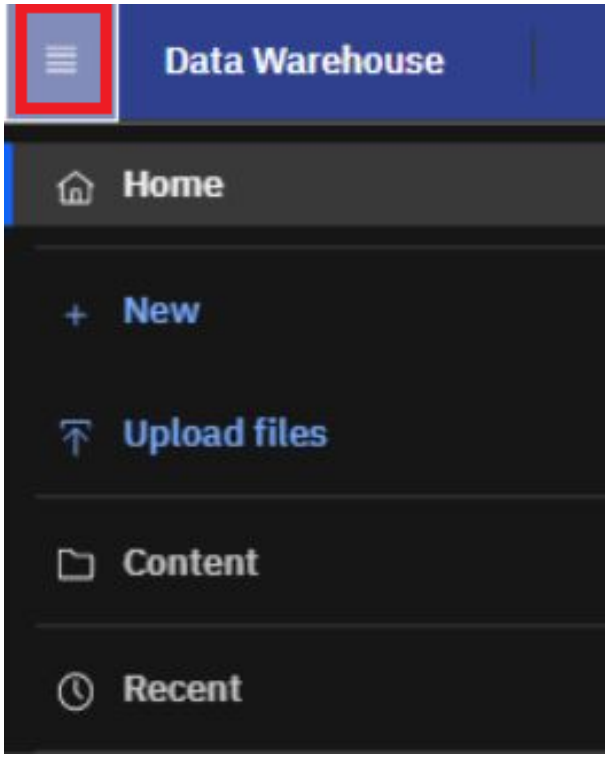



**Figure 49: Welcome page - Home**

By clicking on this icon it is always possible to return to the “**Welcome**” page (the standard one or the one you have specified – for further information please refer to chapter Access to the DWH) from everywhere in the DWH GUI.

## 3.4.3 Search function

To find items in your own or in the team content type the search term in the “**Search**” field. In the search field - you can type in one or multiple keywords and press “**Enter**”. You can search for folders or predefined reports.

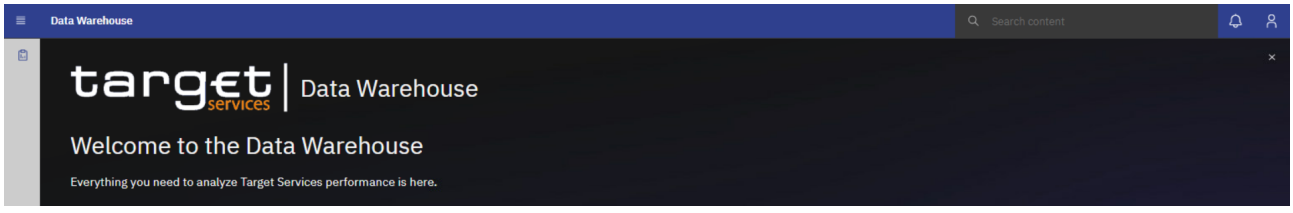



**Figure 50: Welcome page - Search**

### 3.4.3.1 Narrow your search with filters

After a search was successful, the filter function is available. In case your search returns too many results, you can click on the “**Filter**” icon and select for example specific search results or dates to modify the result list.

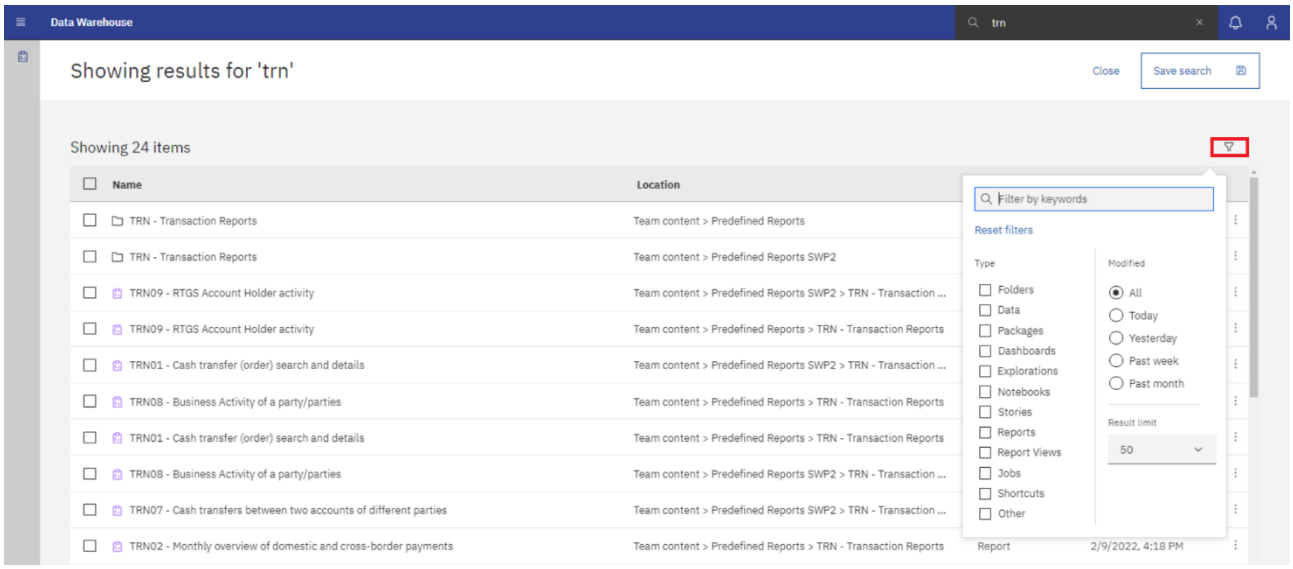



**Figure 51: Welcome page - filter options**

### 3.4.3.2 Save search results

After you have performed a search and the results are shown, you can save the results of your search. The “**Save**” icon is only available after a successful search.

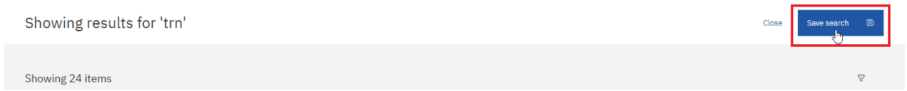



**Figure 52: Welcome page - Search - Save icon**

After clicking on the “**Save**” icon, a message pops up, that informs you that the search was saved.

The result of the search will be available later, even after the search is closed, or the user signs out.

If you do not save the result, the next search will overwrite the previous:

In order to delete a previously saved search, click on the “remove” button of the saved search you intend to delete.

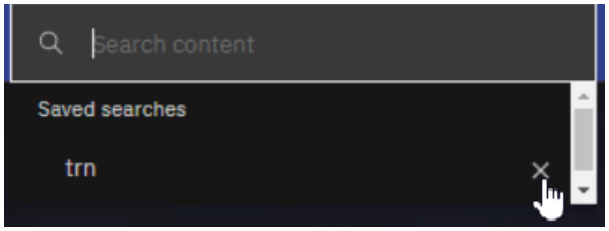



**Figure 53: Welcome page – remove search**

**Example**

In case you save the search, the search result will be available in the "**Saved searches**" list, even after you sign out.

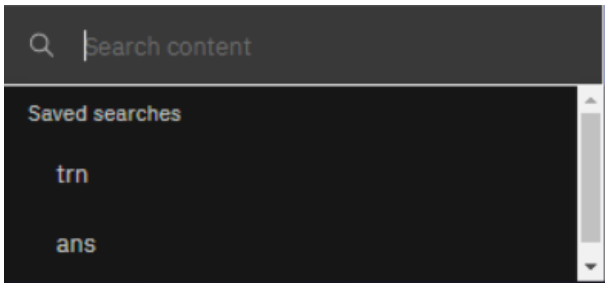



**Figure 54: Welcome page - Search - Saved searches**

## 3.4.4 System information

Behind "**System information**", you find a menu with a welcome page and user information.

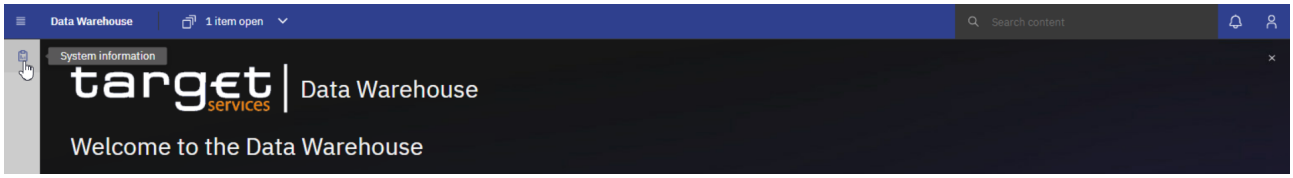



**Figure 55: Welcome page - System information link**

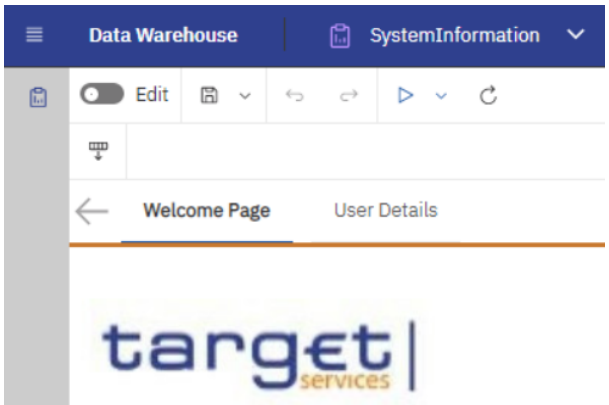



**Figure 56: Welcome page – System information menu**

**Welcome page**

This page serves as an introduction to this menu and informs you about the content of this menu.

**User details**

Here you can see additional user information, such as user details concerning your User ID, which is needed to identify you in case of support. In addition, you will find your name, the name of your institution, and system information such as the environment (production or test environment) you are working on. The last business day is also mentioned to give you the information, which was the last business day loaded into the DWH completely.

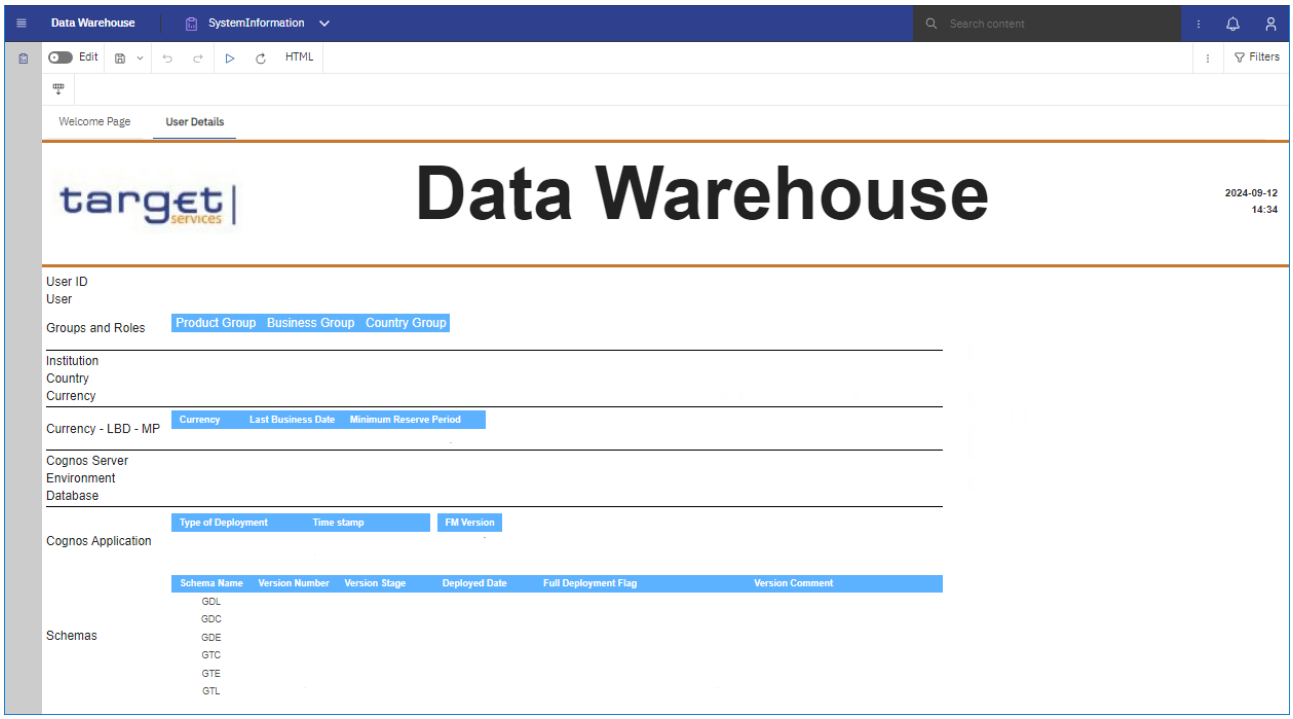



**Figure 57: User Details**

## 3.4.5 Recent

If you want to see pages, folders or reports that you recently viewed you can find the list under “**Recent**”.

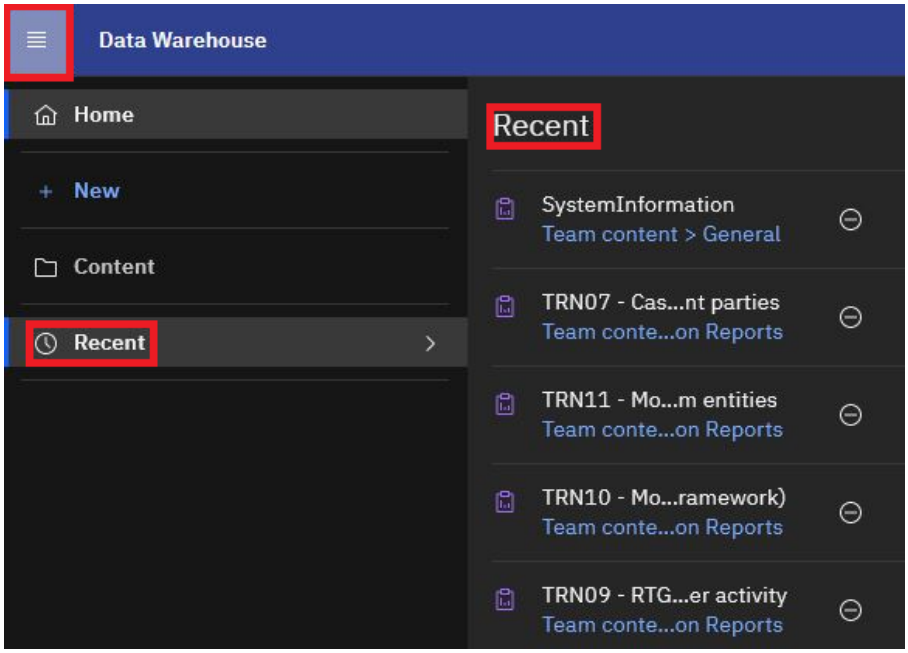



**Figure 58: Welcome page – Recently viewed**

## 3.4.6 New

"**New**" is only visible for CB/CSD users granted with the "**Data Warehouse advanced user**" privilege in CRDM. Only with this privilege it is allowed to create user-defined reports. For more information please refer to chapter Creating reports (just advanced users).

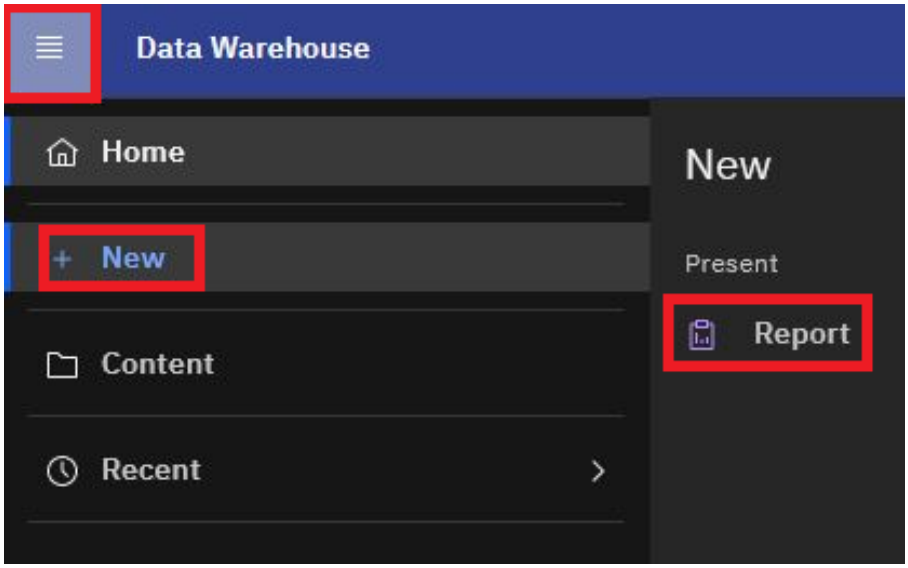



**Figure 59: Welcome page - New**

# 3.5 Personal Folders

## 3.5.1 Team content

After clicking on the “**Open menu**” icon and then clicking on “**Content**”, you will be presented with a screen having two tabs, “**My content**” and “**Team content**”. Under “**Team content**”, you can find all reports you are allowed to run and view, depending on the party type you belong to. For information about each predefined report and who is allowed to use it, please refer to Predefined reports . For CB/CSD users a specific CB/CSD folder can be found, where CB advanced users can store adapted or user-defined reports and share them with normal users within their CB/CSD. This enables also other users of this CB/CSD with the normal user privilege to execute reports previously designed by an advanced user.

Additionally, the CBs/CSDs shared folder is included in here. With this folder, CBs/CSDs can share adapted or user-defined reports with other CBs/CSDs.

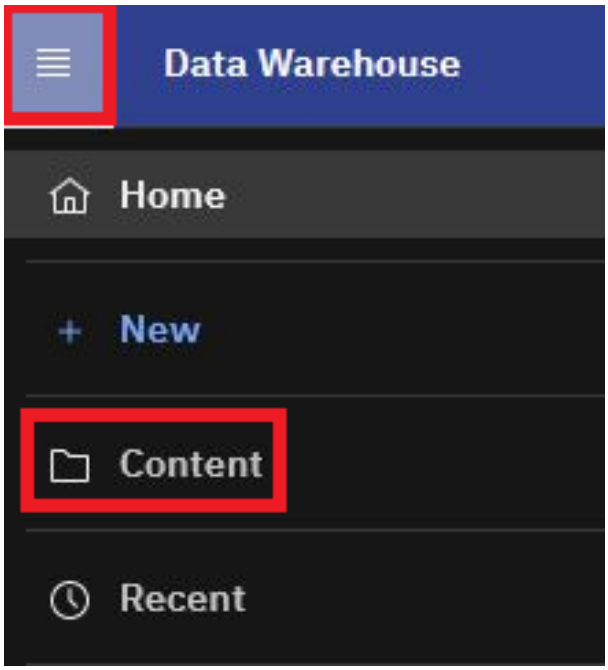



**Figure 60: Welcome page - Team content**

You can see the following content within “**Team content**”.

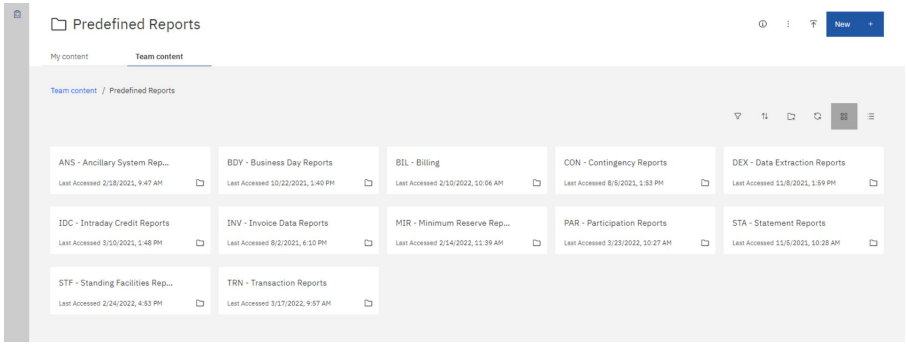



**Figure 61: Welcome page- Team content - folder structure**

In case you are a CB/CSD user, you will see this structure in “**Content**”:

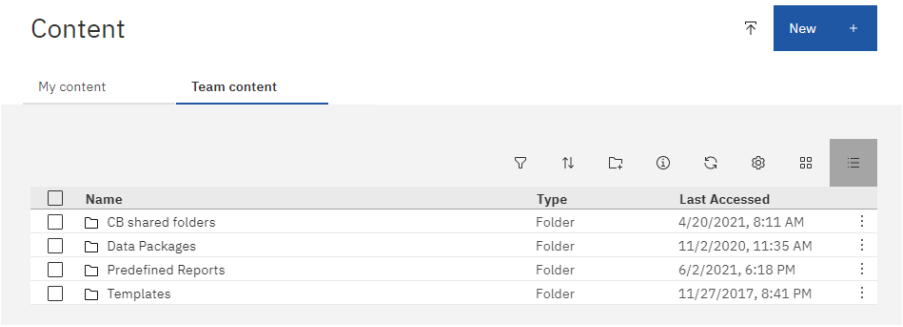



**Figure 62: Welcome page - Team content - folder structure (CB user)**

## CB shared folders

In the “**CB**” shared folders the CB user can find the folders for sharing reports within its own CB as well as the folder for sharing reports with other CBs. These folders cannot be used to share reports with PBs or AS since the users of these party types do not have visibility of the CB shared folders.

## Data Packages

In the “**Data Packages**” folder, you can find the data model that was used to create the reports. This is an information item only (showing the date and time of the last update of the data model).

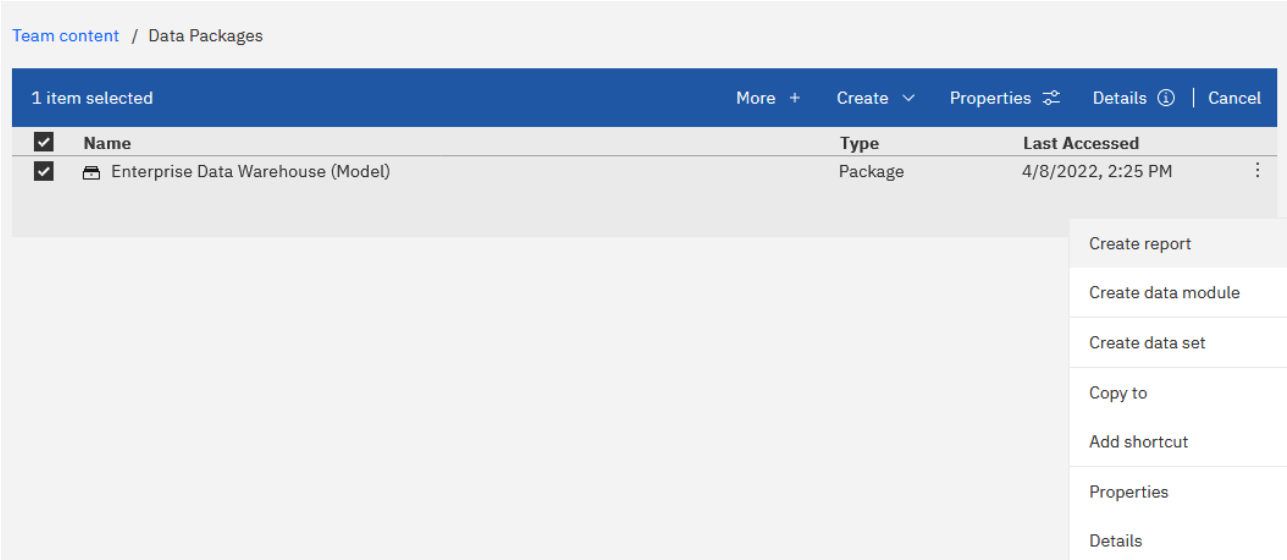



**Figure 63: Welcome page - Team content - Data Packages**

## Predefined Reports

In the “**Predefined Reports**” folder you can find the subfolders containing the predefined reports.

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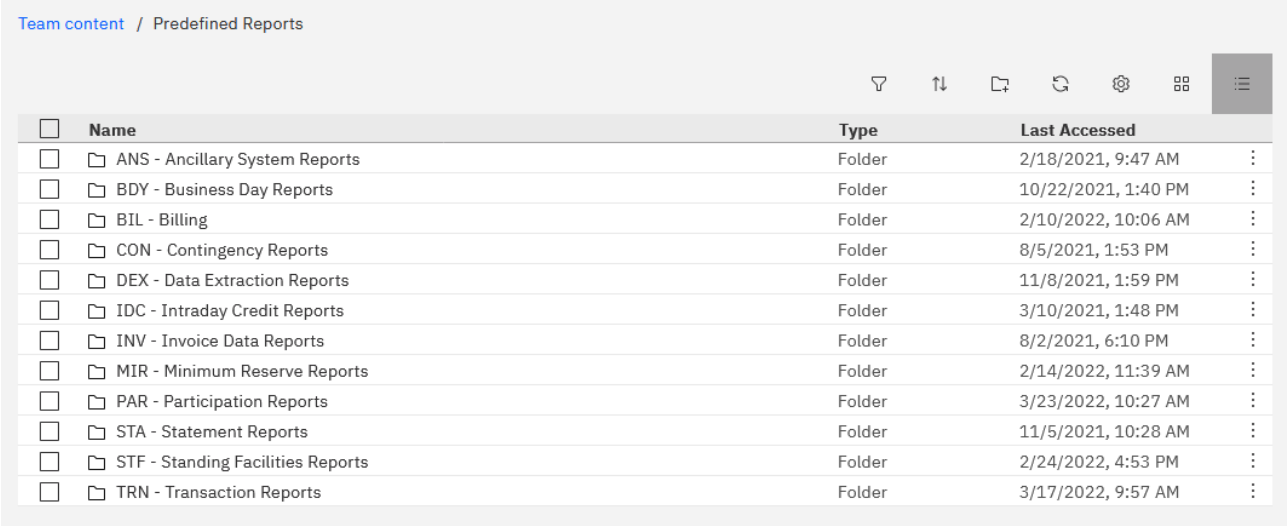



**Figure 64: Welcome page - Team content - Predefined reports**

**Example**

Under "**ANS – Ancillary System Reports**" you can find the predefined reports "**ANS01 – Overview of AS transfer orders**" and "**ANS02 – Daily average of AS transfers**".

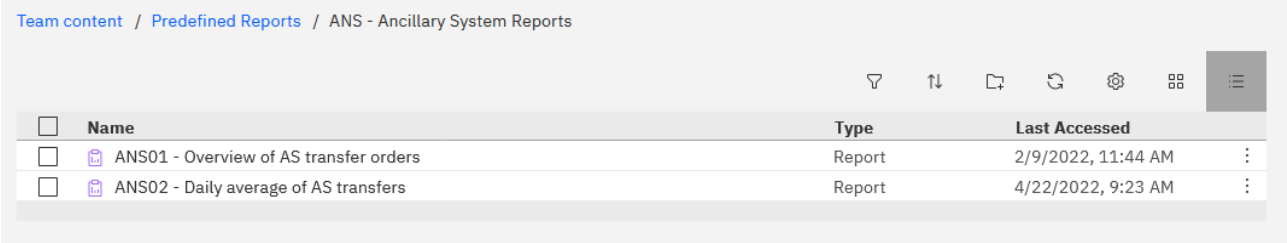



**Figure 65: Welcome page - Team content - Predefined Reports - ANS - Ancillary System Reports**

The normal user has the same capabilities, except from the "**Create report**".

## 3.5.2 My content

This is your private area where only you can see the content that is stored there. At start, the folder is always empty.

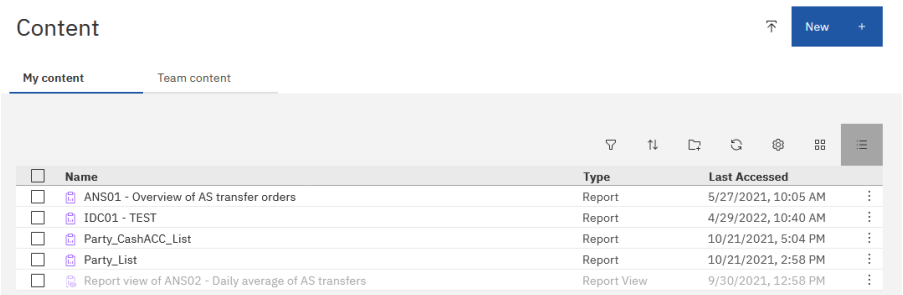



**Figure 66: Welcome page – My content**

All rights reserved.

## 3.5.3 Add a new folder

Click on the “**Open menu**” icon ( ), click on “**Content**” and then click on “**My content**”. In order to create a new folder, click on the “**Add Folder**” icon ( ).

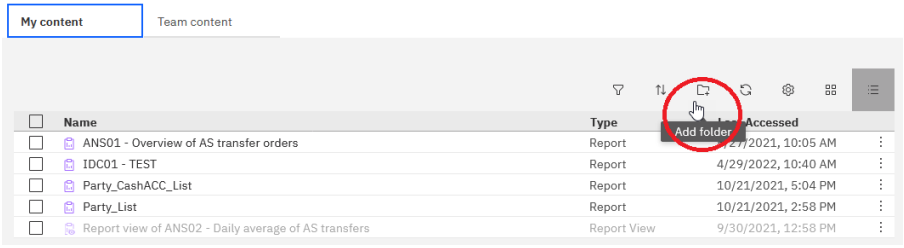



**Figure 67: Welcome page – My content – Add folder**

After click on the “**Add Folder**” icon, you must enter a name for the new folder you want to create.

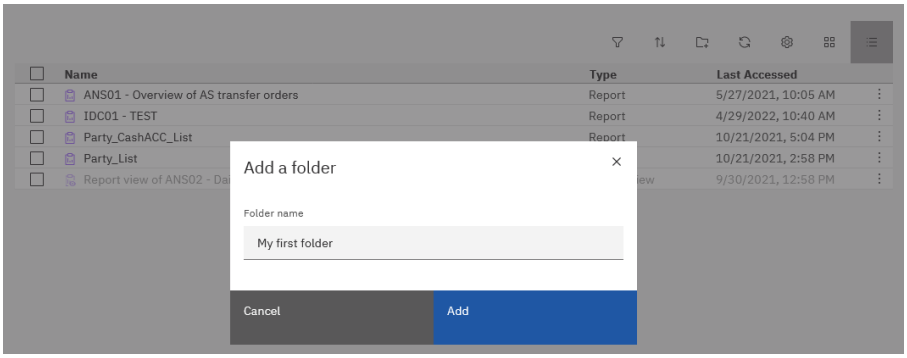



**Figure 68: Welcome page – My content – New Folder (1)**

Press “**Enter**” and the new folder is created.

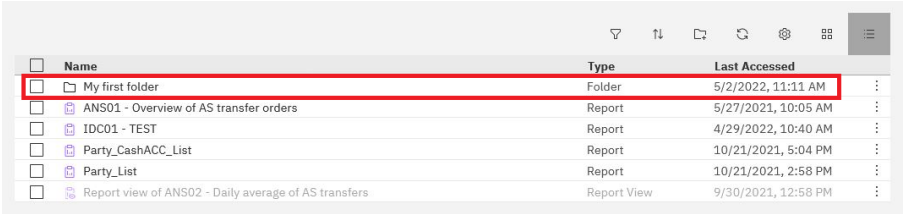



**Figure 69: Welcome page – My content– New Folder (2)**

## 3.5.4 Sort the content

Open “**My content**” or “**Team content**” by clicking on the ”**Open menu**” icon and then clicking on “**Content**”, and click on the “**Sort**” icon in the toolbar. You can sort by name, the latest modification date or type of the content. In addition, you can decide if you want to see the ascending or descending order of your items.

In the following screenshot, the folders are sorted by name in ascending order.

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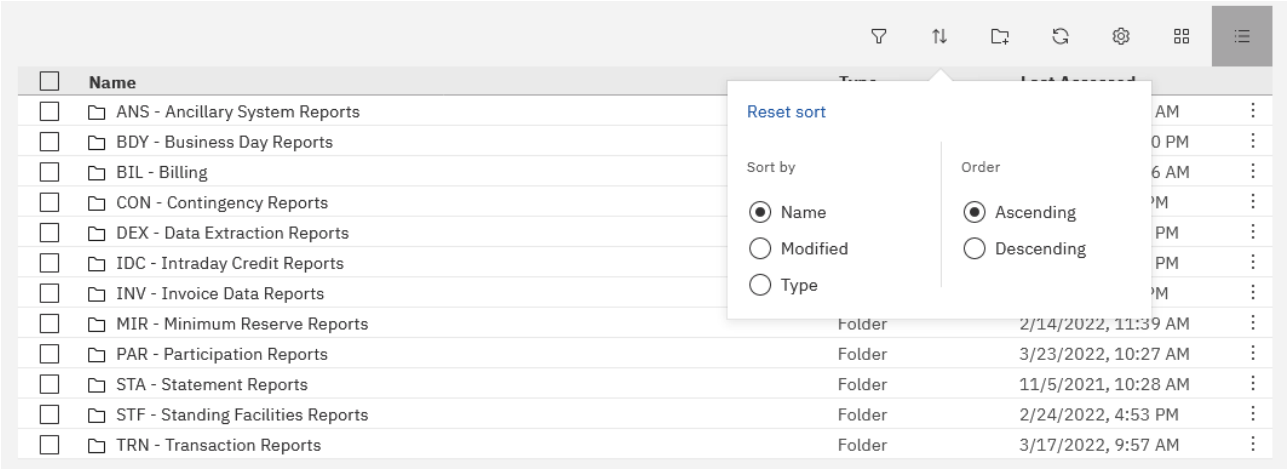



**Figure 70: Welcome page – My content – sort in ascending order**

On the contrary, in this screenshot the folders are sorted by name in descending order.

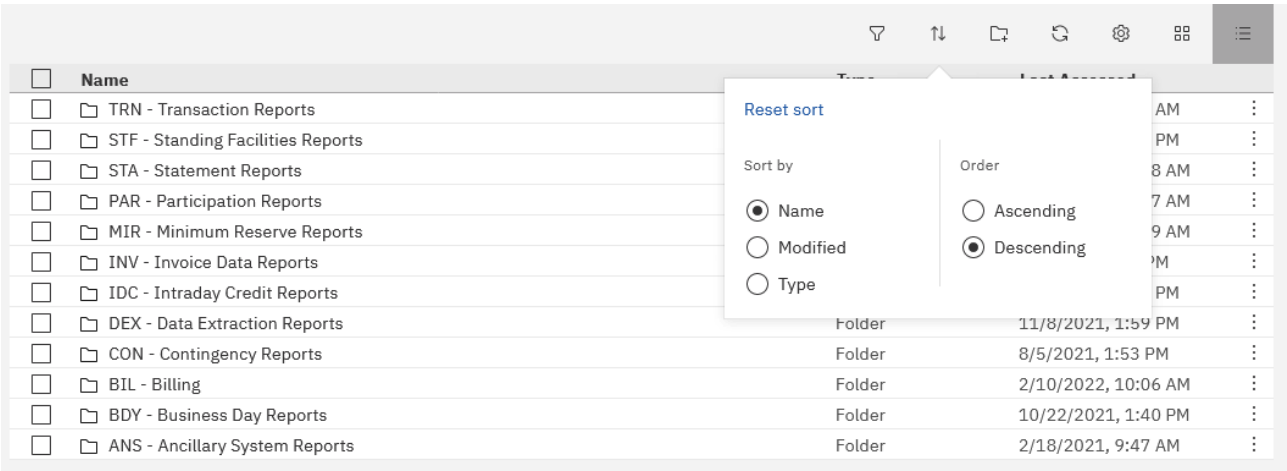



**Figure 71: Welcome page – My content – sort in descending order**

## 3.5.5 Filter the content

Open “**My content**” or “**Team content**” by clicking on the ”**Open menu**” icon and then clicking on “**Content**”, and click on the “**Filter**” icon in the toolbar. You can choose the type, the modified time or provide one ore multiple keywords of the item you are looking for.

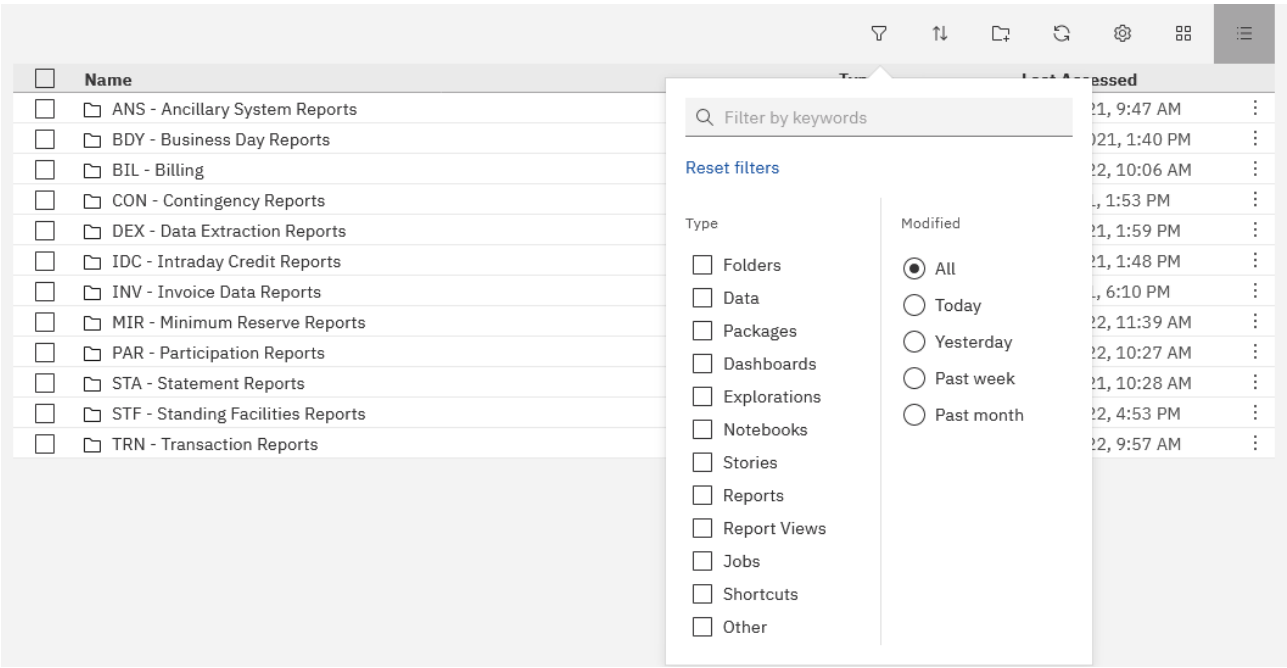



**Figure 72: Welcome page – Team content – Predefined Reports – filter options**

## Example

You want to search for a folder in combination with a keyword "**ST**". The following result is shown:

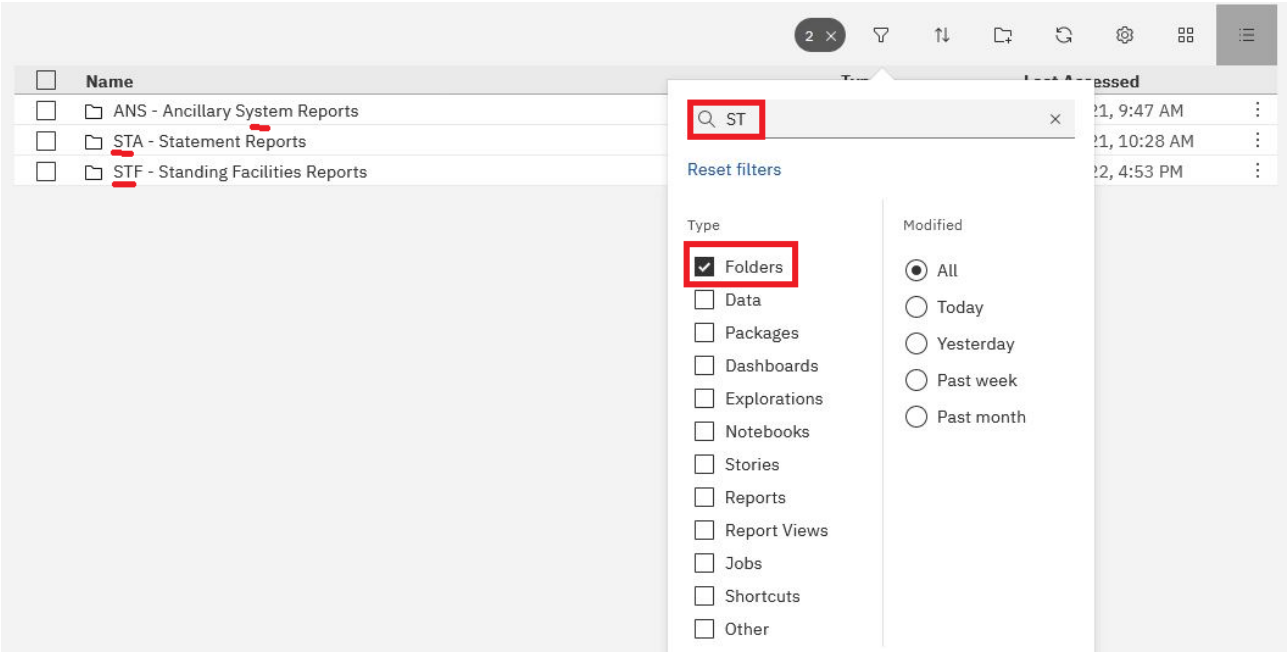



**Figure 73: Welcome page – My content – filter options – filter by folders**

# 4 Working with reports

## 4.1 Copy, save and export

This chapter gives you a step-by-step description on how to copy the report to your own folder or to save or export the data.

### 4.1.1 Copy a report

A copy is an independent version of the original report. Any changes to the implementation due to e.g. CRs in the original report will not affect the report results from the copied version. Deleting the original report will not affect the copy. This is the difference to the report view (please see chapter Creating a report view) which remains linked to the original report. You can save a report as a copy in "**My content**" folder, or if the user is a member of a Central Bank or CSD, in the CB/CSD shared folders as well:

**Step 1:** Navigate to the "**Team content**" folder, open "**Predefined Reports**" and select the folder with the desired report.

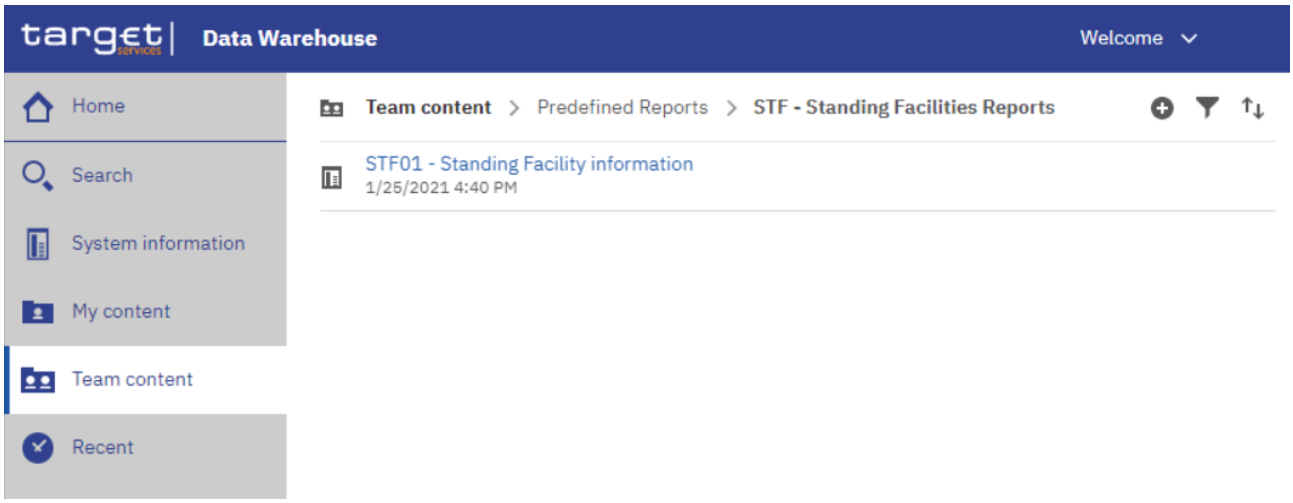



**Figure 74: Team content - Predefined Reports - STF - Standing Facilities Reports**

**Step 2:** Choose the report that should be copied and click on the "**More**" icon ( ••• ) at the right of the report and select "**Copy**".

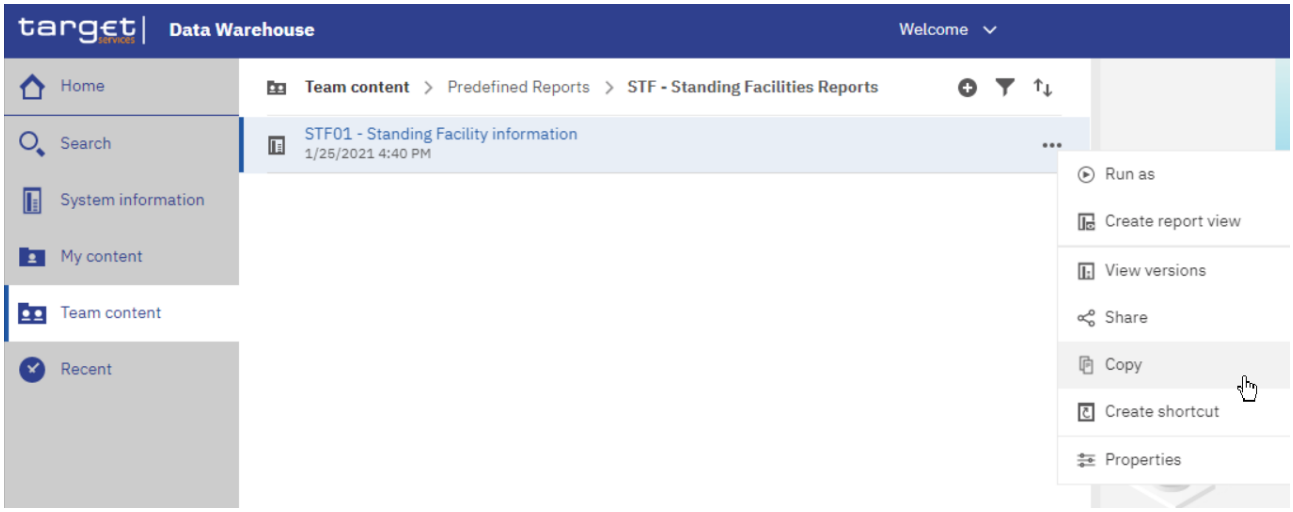



**Figure 75: Team content - Predefined Reports - STF - Standing Facilities Reports – STF01 – Standing Facility information- Copy**

**Step 3:** A window pops up to save the report. You can save the reports in the "**My content**", or in the CB/CSD shared folders, by clicking on the "**Copy to**" button you move a copy of the report to your own working space in the DWH.

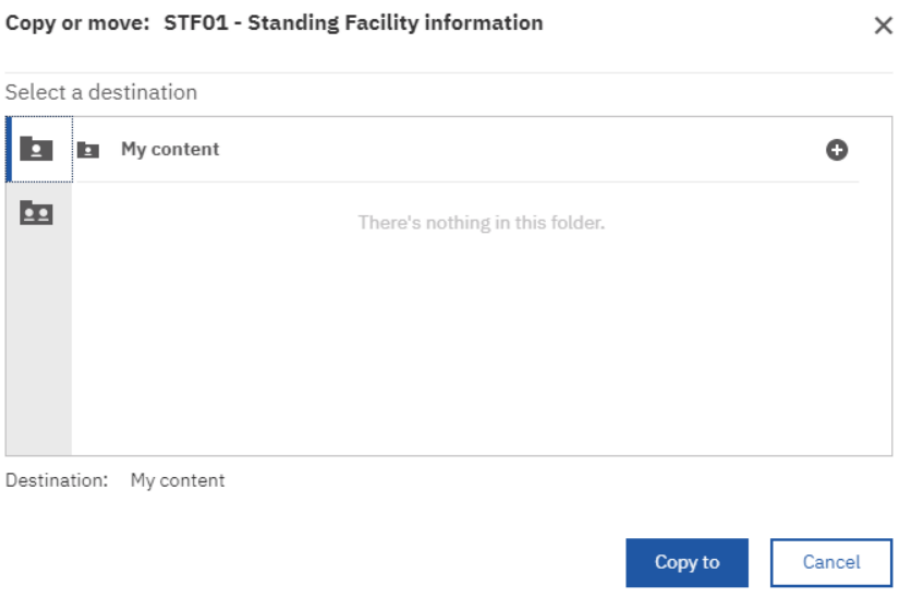



**Figure 76: Team content - Predefined Reports - STF - Standing Facilities Reports – STF0 – Standing Facility information - Copy to**

If you are a CB/CSD user with advanced user profile, you can also copy the report into the CB/CSD shared folder or CB/CSD – "**Country code shared**" folder, which can be found in the path: "**Team content**" -> "**CB/CSD Shared folders**". Both folder are only visible for CB/CSD user.

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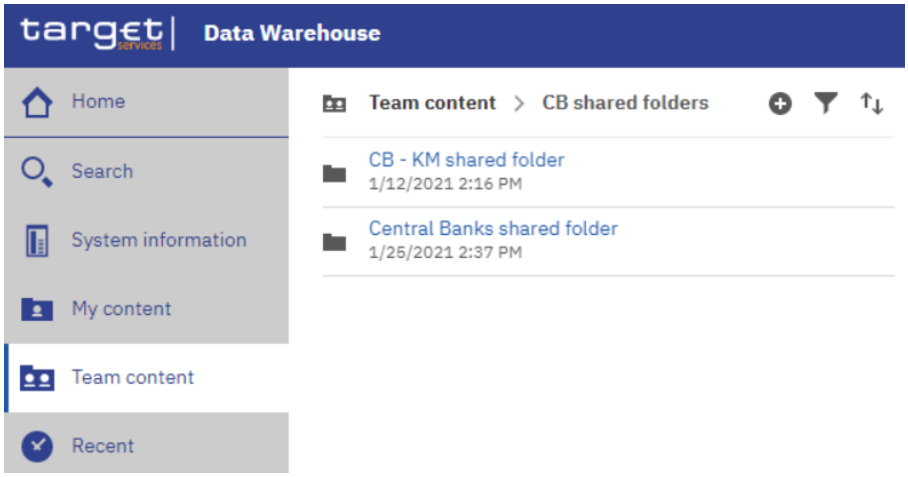



**Figure 77: Team content – CB Shared folders**

**Step 4:** Afterwards you can find the report in the respective folder. In this example in “**My content**”.

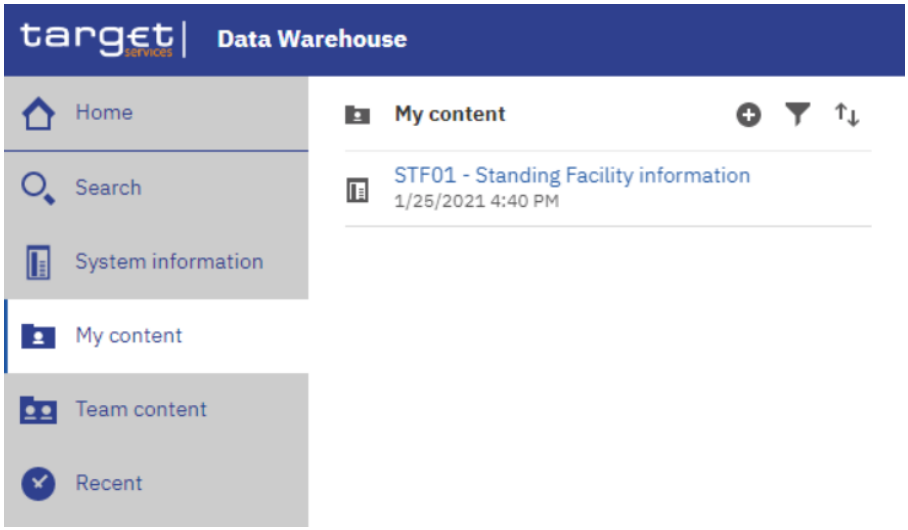



**Figure 78: My content - copied report**

## 4.1.2 Creating a report view

The report view is the same report as the predefined report, but has different properties such as prompt values, schedules, delivery methods, run options, languages, and output formats. A report view is an alias of the original report and remains linked to it. If the source report is moved to another location, the report view link is not broken. If the source report is deleted, the report view link is broken and the properties link to the source report is removed. In case the report has been changed (e.g. due to a new software release), the user will be prompted with this information. The “**Report view**” icon ( ) changes to indicate that the link is broken and is no longer operable. In order to schedule the run of a report (see chapter Scheduling reports), you have to create a report view first. These steps have to be executed in order to create a report view of the chosen report:

**Step 1:** Navigate to the “**Team content**” folder, open “**Predefined Reports**” and select the folder with the desired report.

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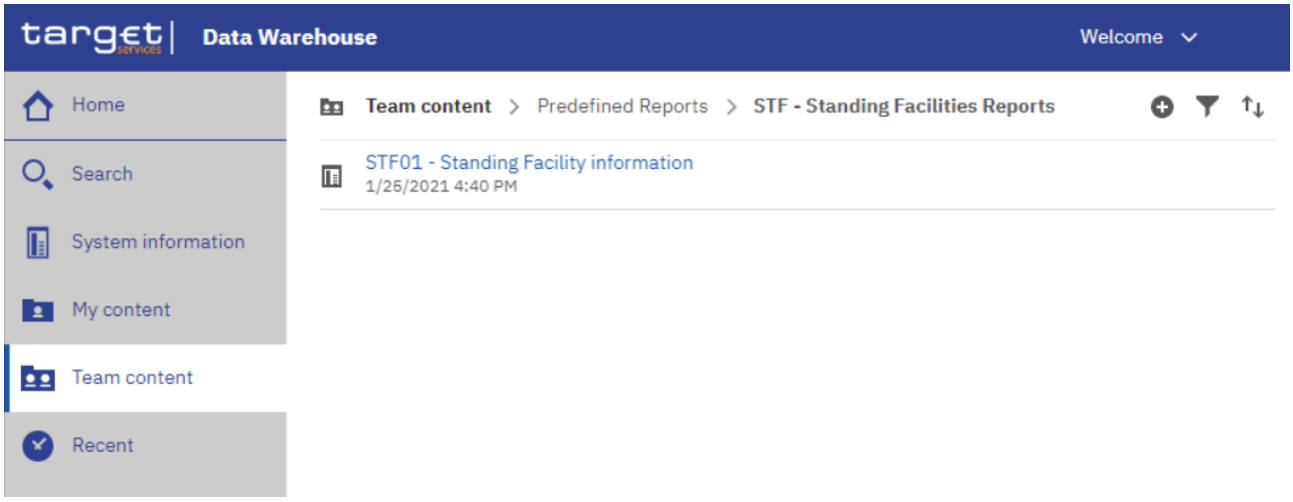



**Figure 79: Team content - Predefined Reports - STF - Standing Facilities Reports**

**Step 2:** Choose the report for that a view should be created and click on the “More” icon ( ••• ) at the right of the report and select “Create report view”.

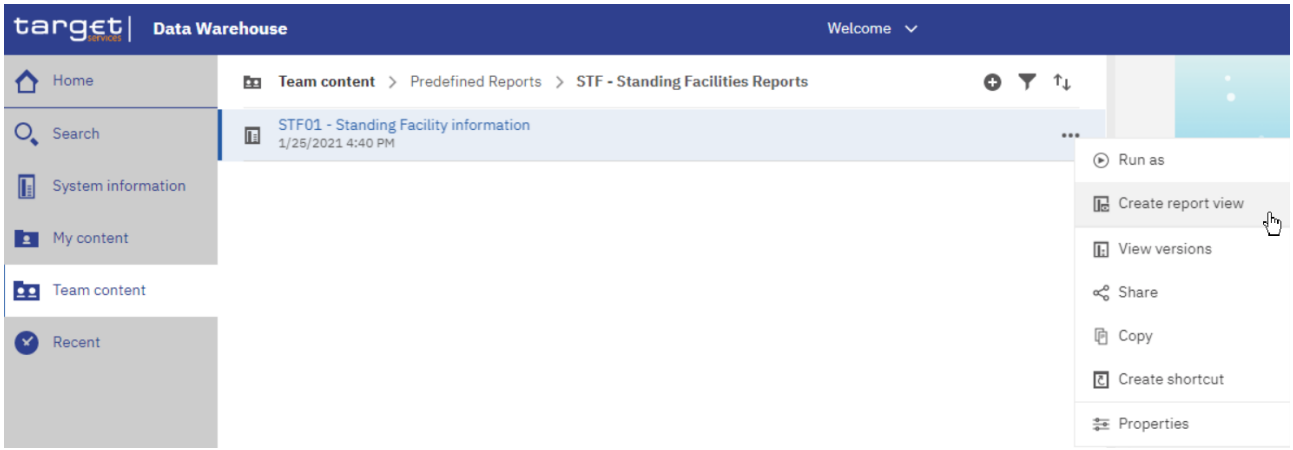



**Figure 80: Team content - Predefined Reports - STF - Standing Facilities Reports – STF01 – Standing Facility information - Create report view**

**Step 3:** A pop up window opens and you can save the report view in “**My content**” after entering a name and by clicking on the “**Save**” button.

If you are a CB/CSD user, you can also save the report view into the CB/CSD shared folder or CB/CSD – “**Country code**” shared folder, which can be found in the path: “**Team content**” -> “**CB/CSD Shared folders**”.

**Step 4:** You can find the report view in the respective folder. In this example in “**My content**”.

All rights reserved.

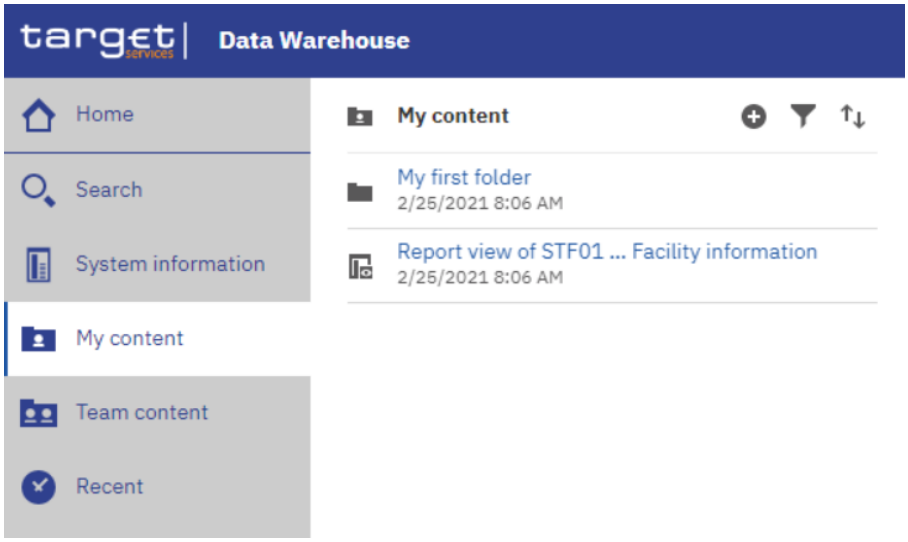



**Figure 81: My content - report view**

**Step 5:** You can determine the source report for a report view by clicking on the properties.

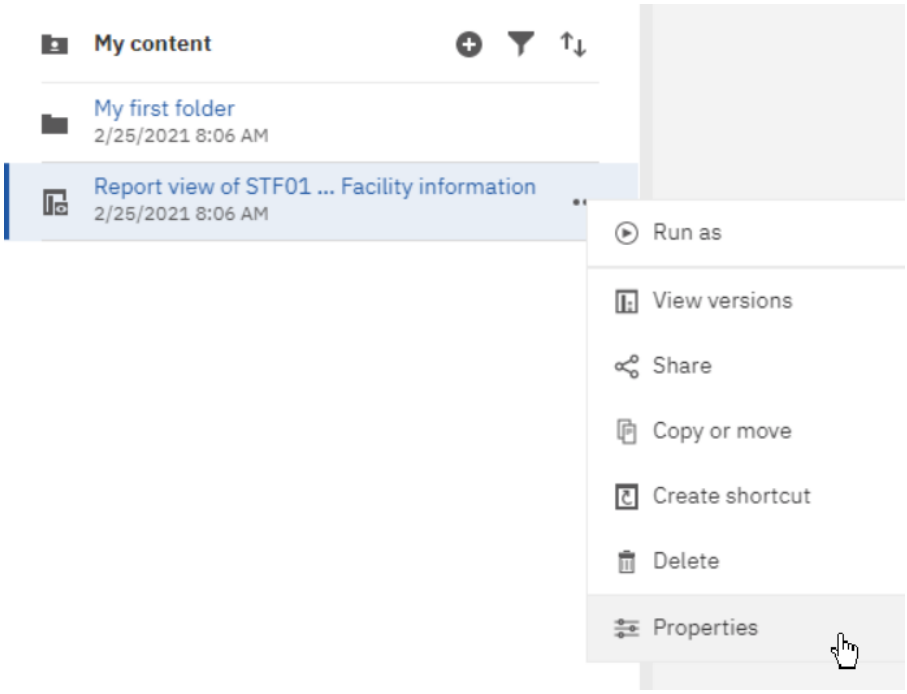



**Figure 82: My content - report view - Properties**

**Step 6:** Scroll down to "**General**".

The report view properties also provide a link to the properties of the source report.

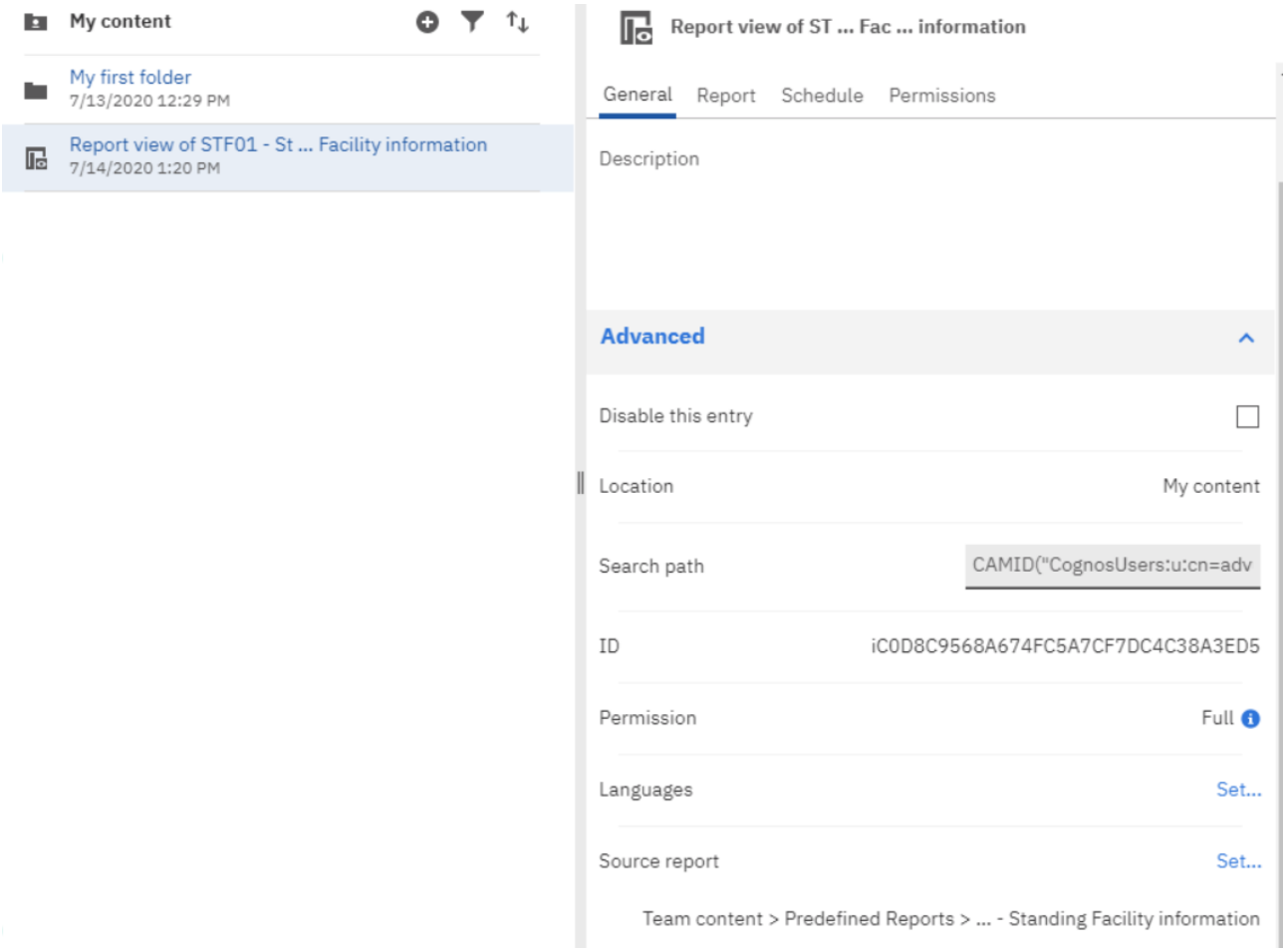



**Figure 83: My content - report view - Properties - Source report**

When the source report is deleted, the report view title is greyed and the link to the source report is missing in the properties:

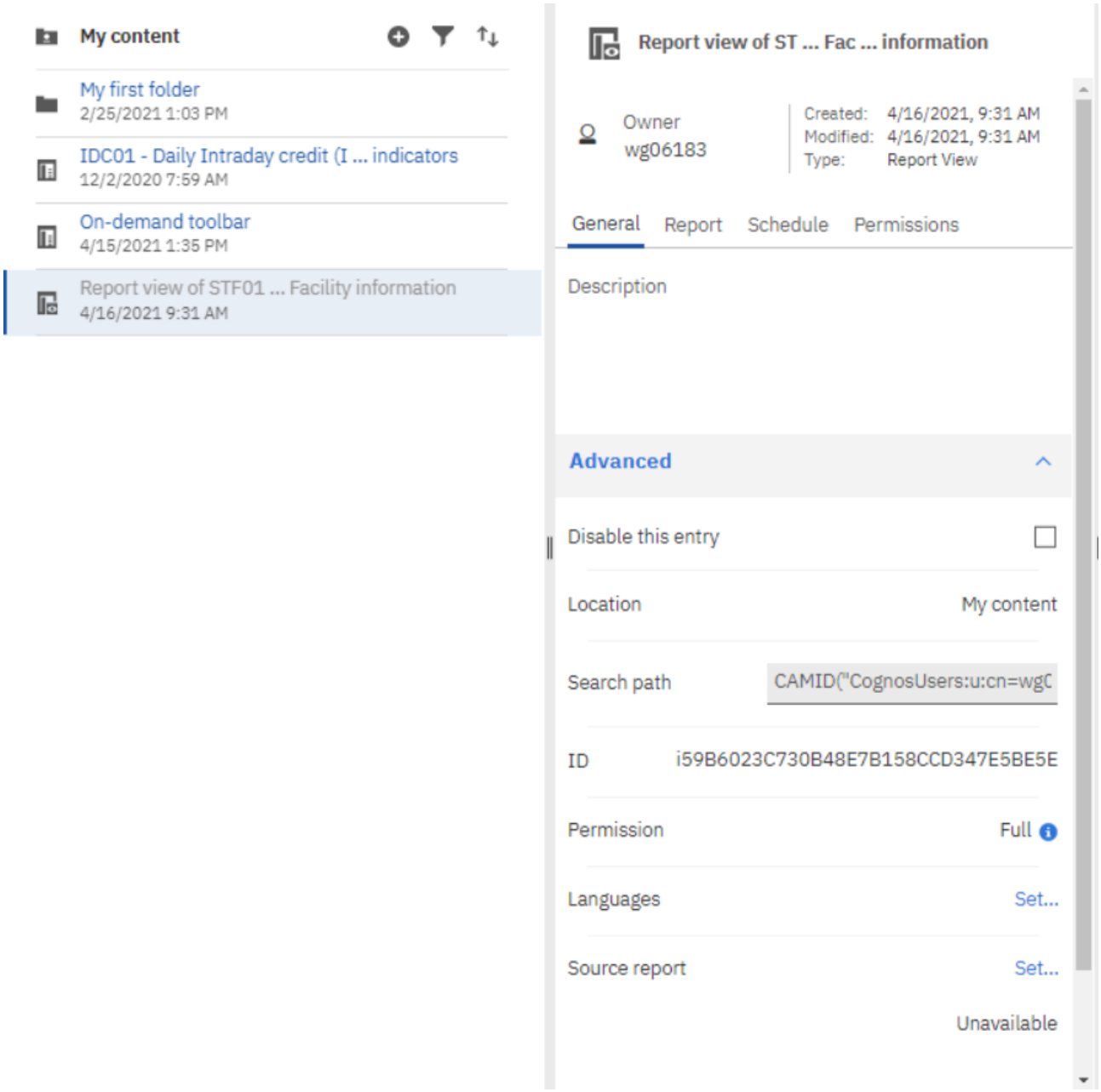



**Figure 84: My content - report view - Properties - Source report deleted**

In case there is a change in the report content and you have created a report view then you will be notified if you have activated the 'notify me' option previously. Please see details on Notifications in the chapter Personal menu.

### 4.1.3 Saving a report output

You can save the report output (meaning the result of the run of a report, please see chapter Running reports) in DWH for future uses by creating a report view first.

**Step 1:** Create a report view as described in chapter Creating a report view.

**Step 2:** Navigate to the folder containing the report view you have created.

**Step 3:** Run the report as described in chapter Run a report step-by-step.

**Step 4:** You can view the output by clicking on the “More” icon ( ••• ) next to the report in “My content”.

**Step 5:** Select “**View versions**”.

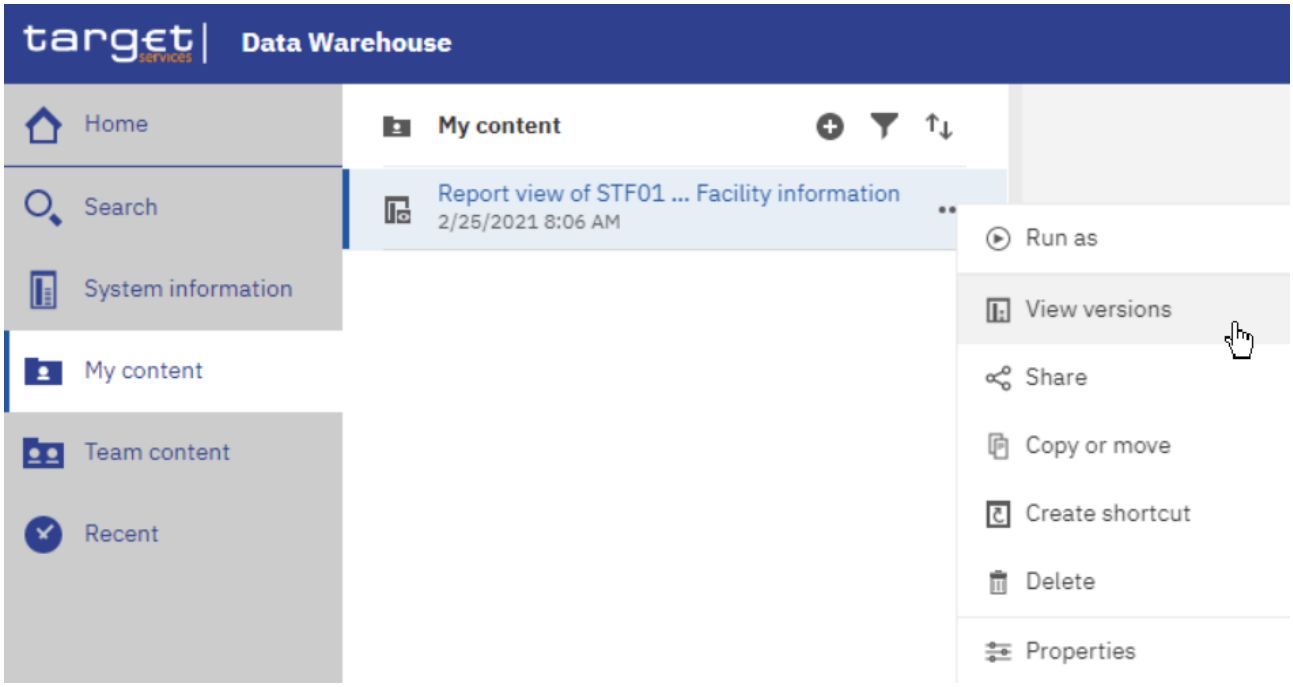



**Figure 85: My content - report view - View versions**

**Step 6:** Versions opens, where you can find the report output with the date and time of the execution.

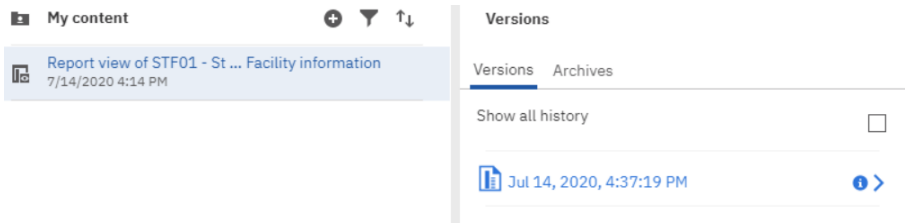



**Figure 86: My content - report view - View versions - Versions**

**Step 7:** Click on the version.

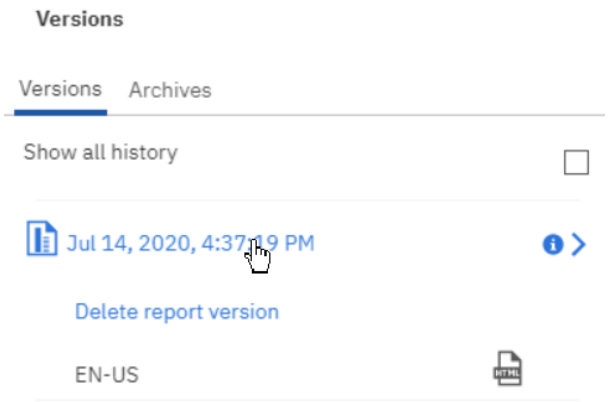



**Figure 87: My content - report view - View versions - Version - report output**

**Step 8:** You can click on the report name and either delete this version or view the outcome by clicking on the "**Format**" icon ( ) of the report.

## 4.1.4 Exporting a report to a local folder

You can export a report in CSV, Excel, Excel Data, PDF and XML format. Therefore, you have to navigate to the folder of the desired report.

**Step 1:** Choose the report you want to export and click on the "More" icon ( ••• ) in the right of the report name.

**Step 2:** Select "**Run as**" from the list.

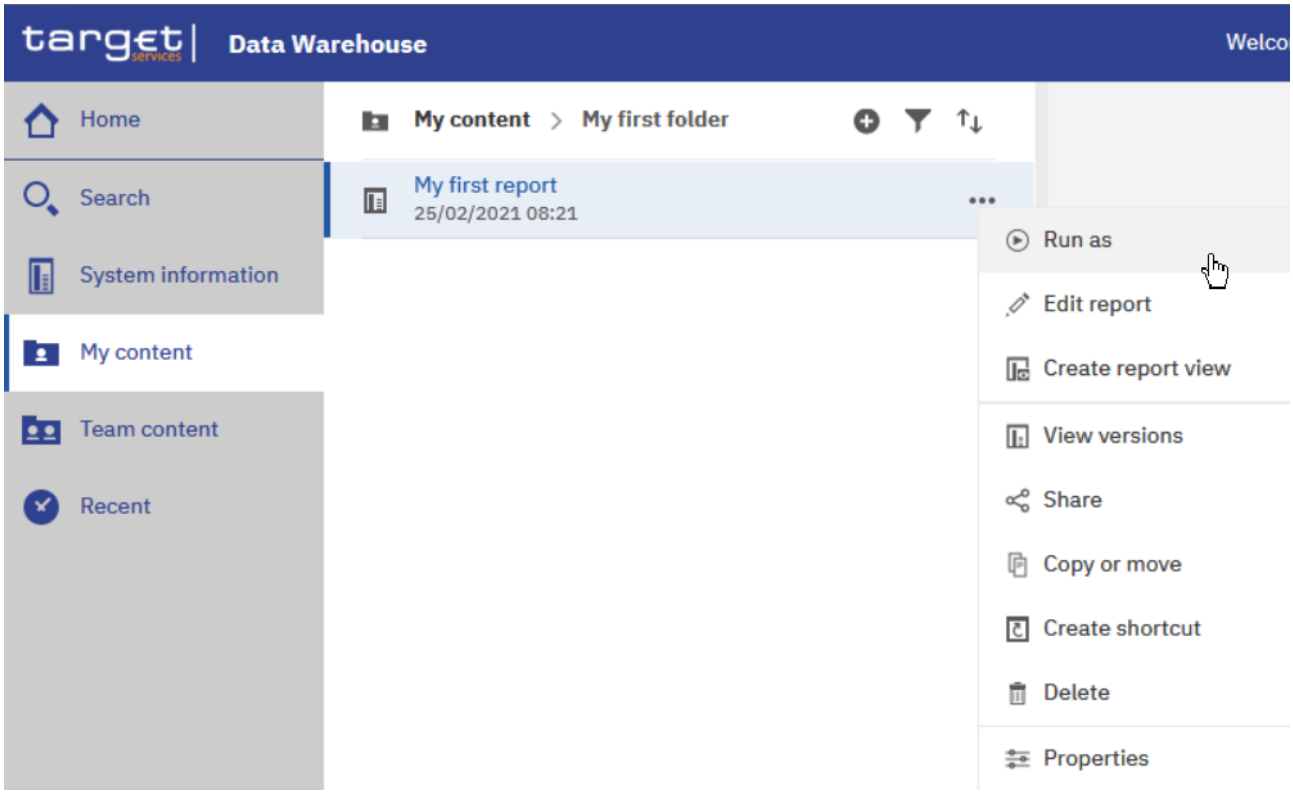



**Figure 88: Welcome page - My content - Properties**

**Step 3:** Select the desired format.

**Step 4:** Enter the selection criteria of the report (see chapter Run a report step-by-step).

**Step 5:** Click on the "**Run**" button ( ).

**Step 6**: After clicking on the "**Run**" button ( ) a pop-up window appears to save the report. You can download a report in CSV, Excel, Data, PDF and XML format.

**Step 7**: The download option depends on the chosen format and the functionality of the browser you are using. In most browsers you can define, whether certain file types should be opened in the browser, a save dialog is shown or the file is directly downloaded to the default download directory. Please be aware that these settings have to be done in the browser, not in the DWH GUI.

**For example, if you choose to run the report as 'XML', then you cannot view the result, but only download the report in a local folder.**

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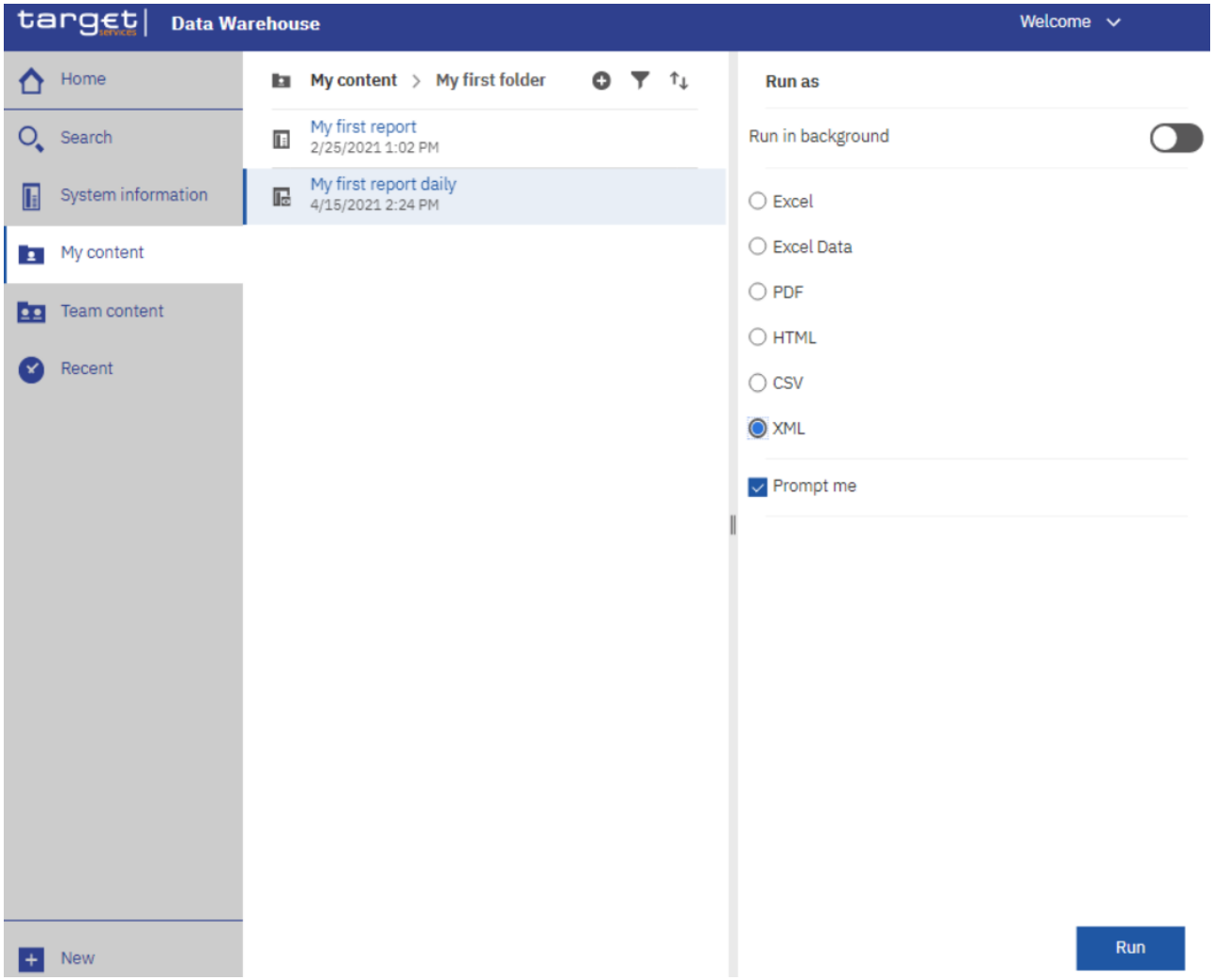



**Figure 89: Welcome page - My content – Run as XML**

A pop up window appears to save the report:

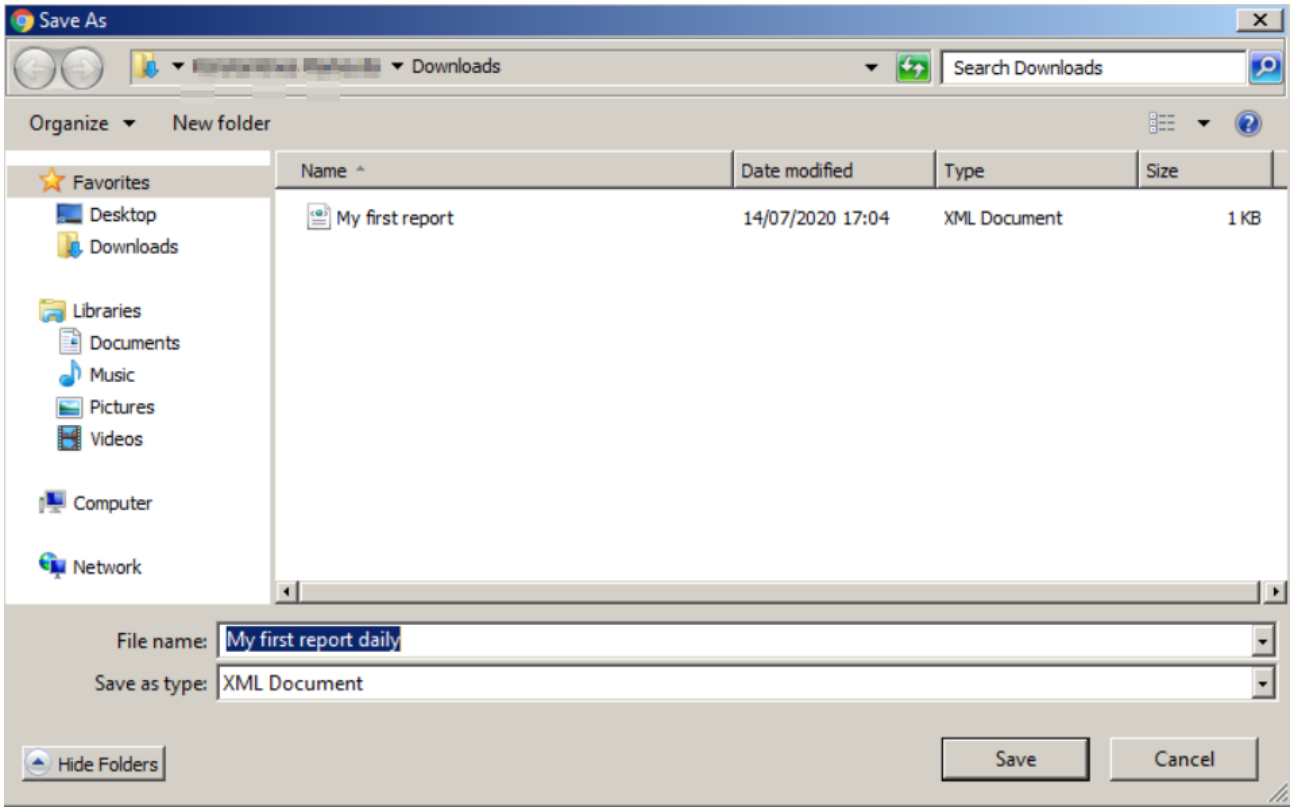



**Figure 90: Save Report**

Please refer to the user manual of your browser for details and options.

## 4.2 Running reports

This chapter gives you an overview about how to run a report and organise its delivery.

### 4.2.1 Run a report step-by-step

**Step 1:** Navigate to the “**Team content**” folder, there to folder “**Predefined Report**” and open the folder with the desired report.

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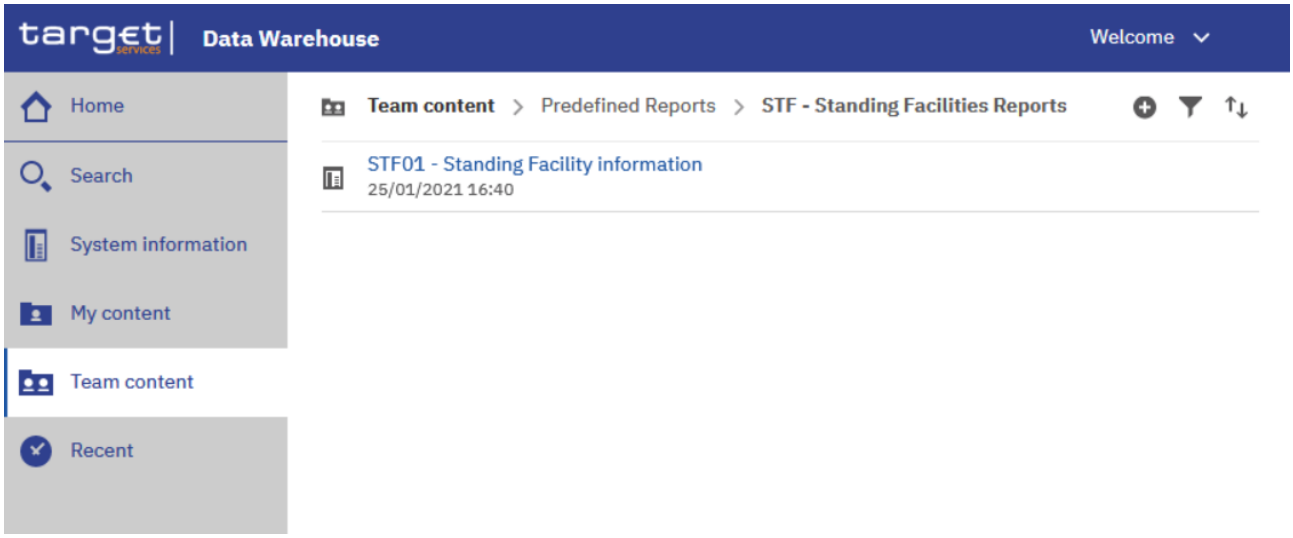



**Figure 91: Team content – Predefined Reports – STF – Standing Facilities Reports**

**Step 2:** Select the report you want to run. In order to run the report you can click on the report name. This action will run the report in the default DWH format, which is HTML.

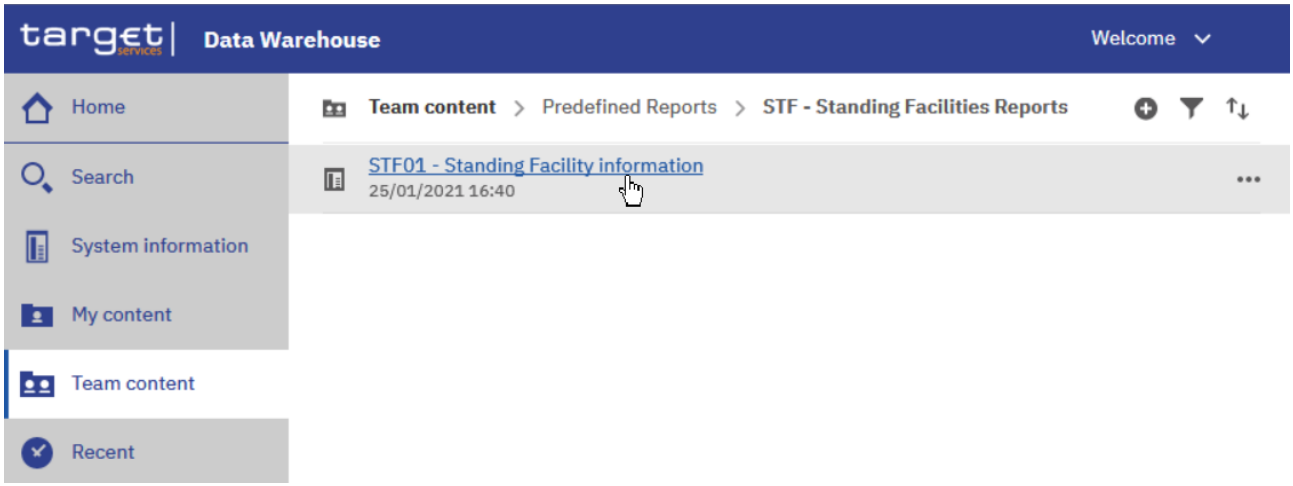



**Figure 92: Team content – Predefined reports – STF – Standing Facilities Reports**

**Step 3:** In the following screen you have to enter the search criteria in the prompt page.

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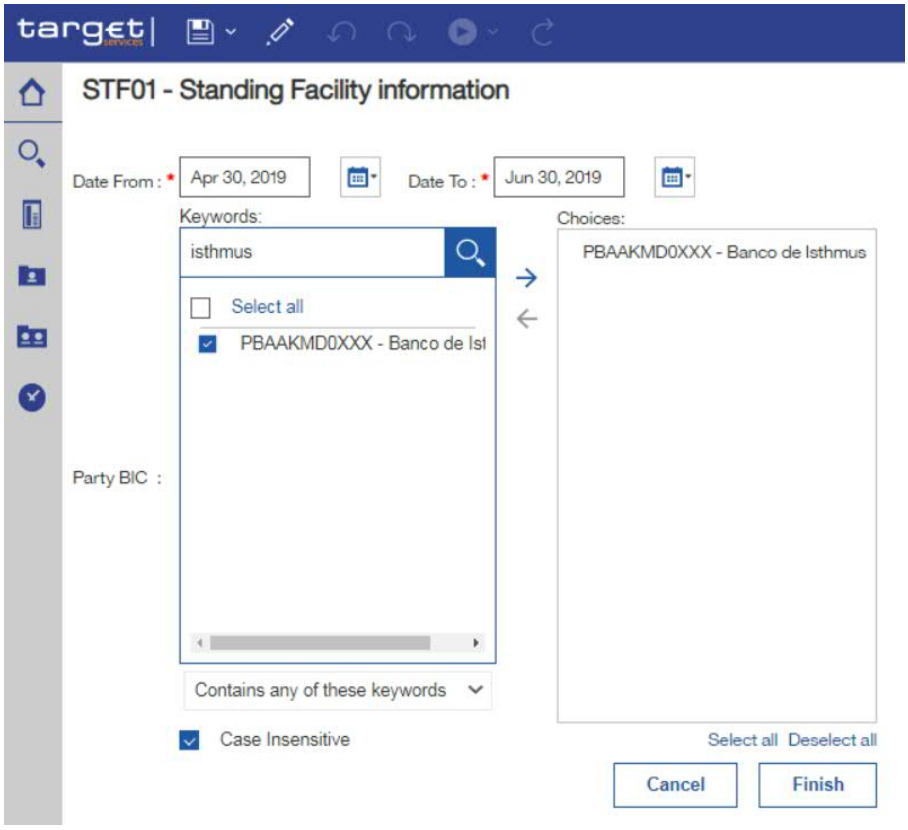



**Figure 93: Standing Facilities Reports – STF01 Standing Facility information – prompt page**

**Step 4:** The report result is available in HTML format.

### 4.2.1.1 Choose different formats

If you want to run the report and DWH shall provide the result in another format than HTML you have to click on the "**More**" icon ( ••• ) on the right side.

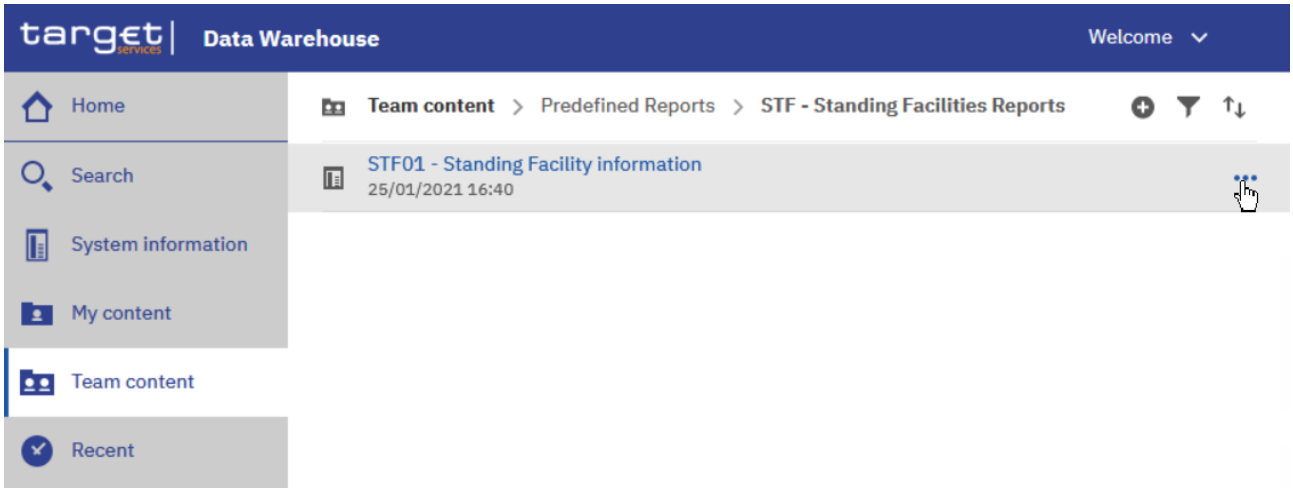



**Figure 94: Team content – Predefined Reports – STF – Standing Facilities Reports**

Select "**Run as**" from the list.

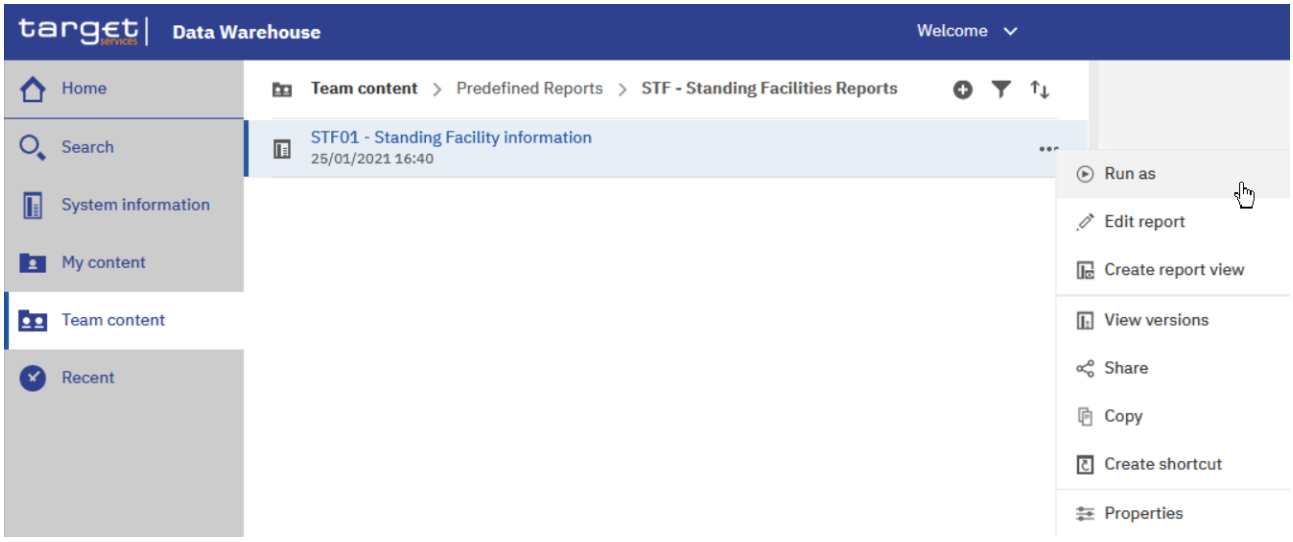



**Figure 95: Team content – Predefined Reports – STF – Standing Facilities Reports – STF01 Standing Facility information – Run as (1)**

You can choose the format you want to receive the report result and click on "**Run**" button.

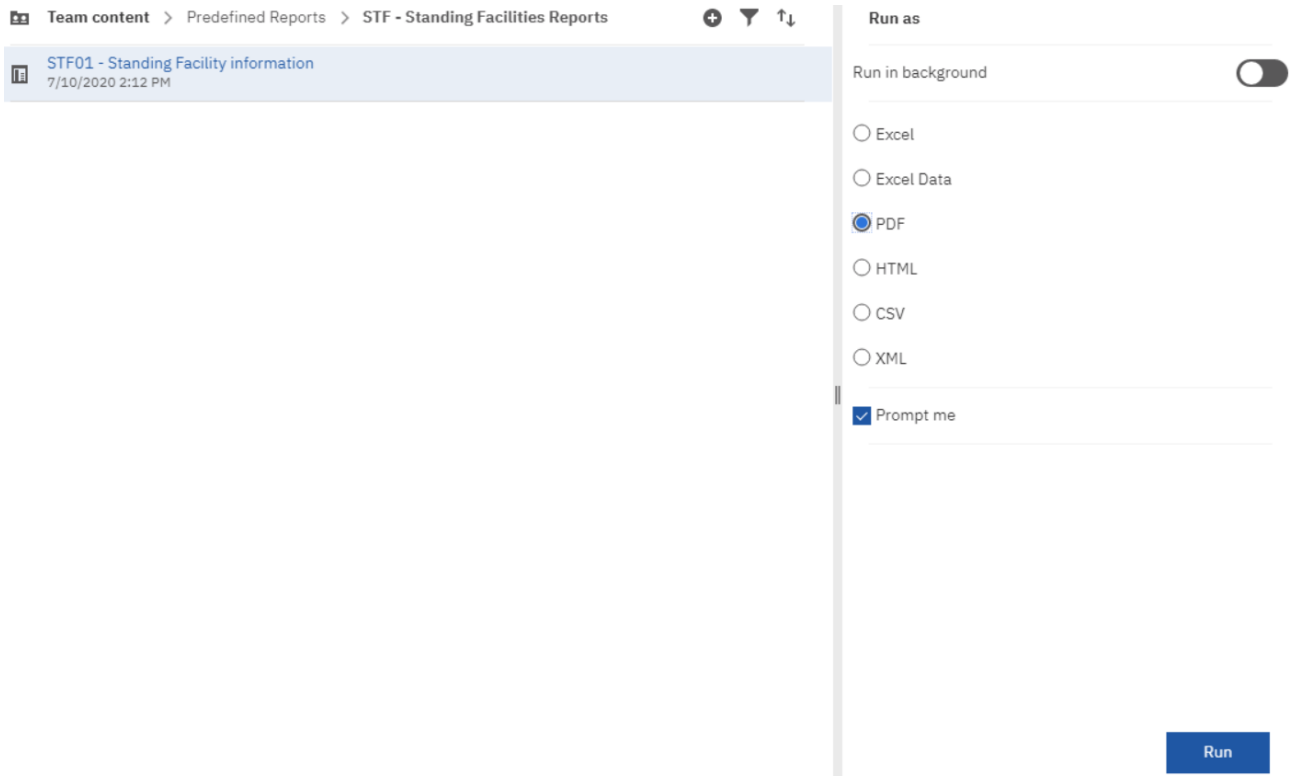



**Figure 96: Team content – Predefined Reports – STF – Standing Facilities Reports – STF01 Standing Facility information – Run as (2)**

Also with a different format you have to enter the search criteria in the prompt page.

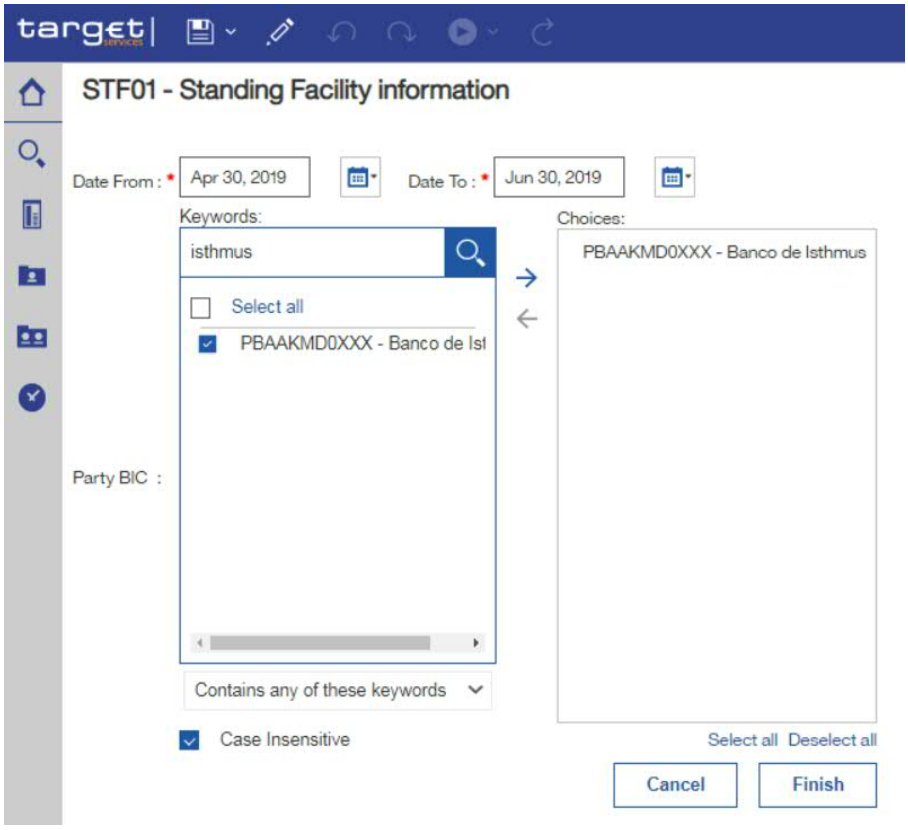



**Figure 97: Standing Facilities Reports – STF01 Standing Facility information - prompt page**

The report result is available in the chosen format, in this example in PDF format.

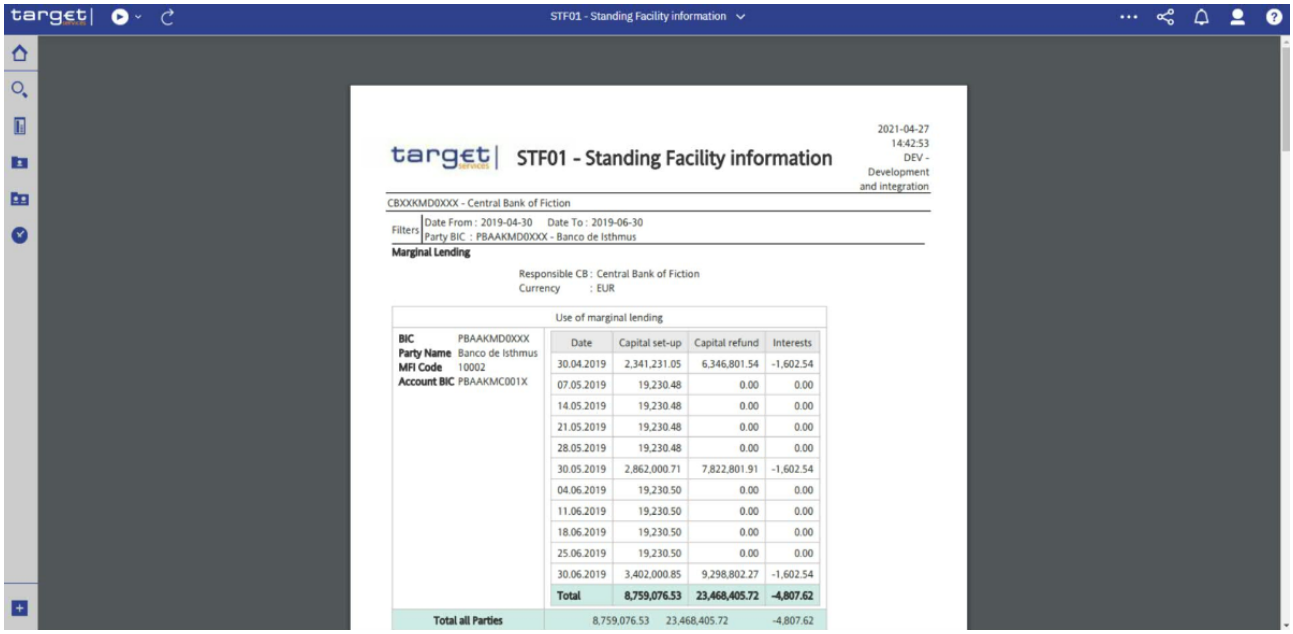



**Figure 98: Standing Facilities Reports – STF01 Standing Facility information – report**

### 4.2.1.2 Run in background

There is another option to run a report – "**Run in background**". You can find and select this option under "**Run as**".

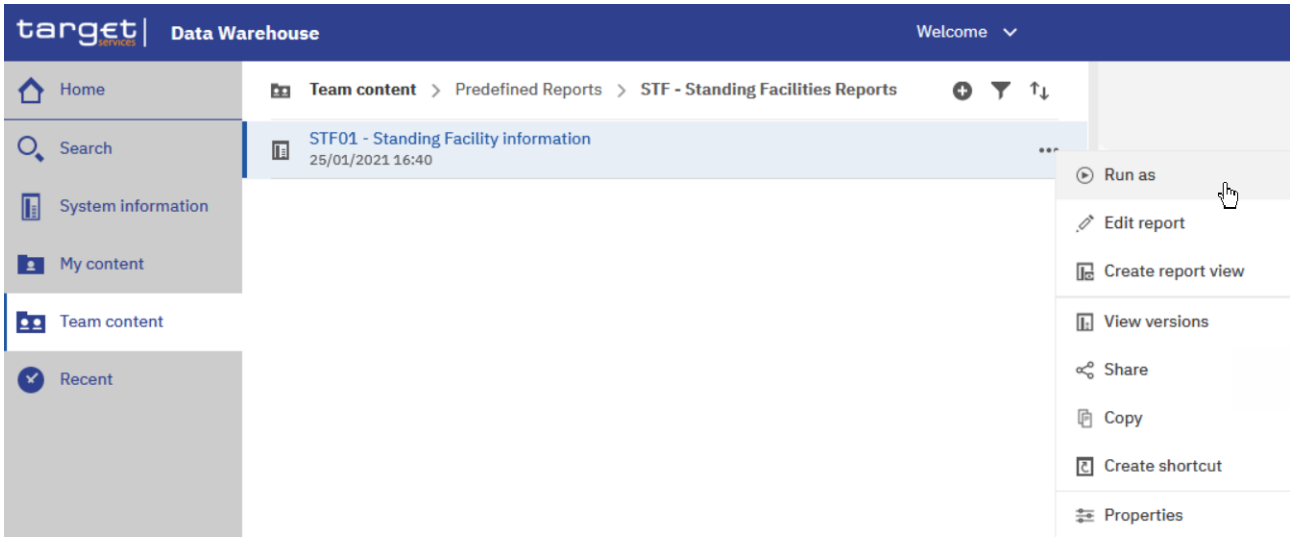



**Figure 99: Team content – Predefined Reports – STF – Standing Facilities Reports – STF01 Standing Facility information – Run as**

Here you can see the "**Run in background**" option on top of the list.

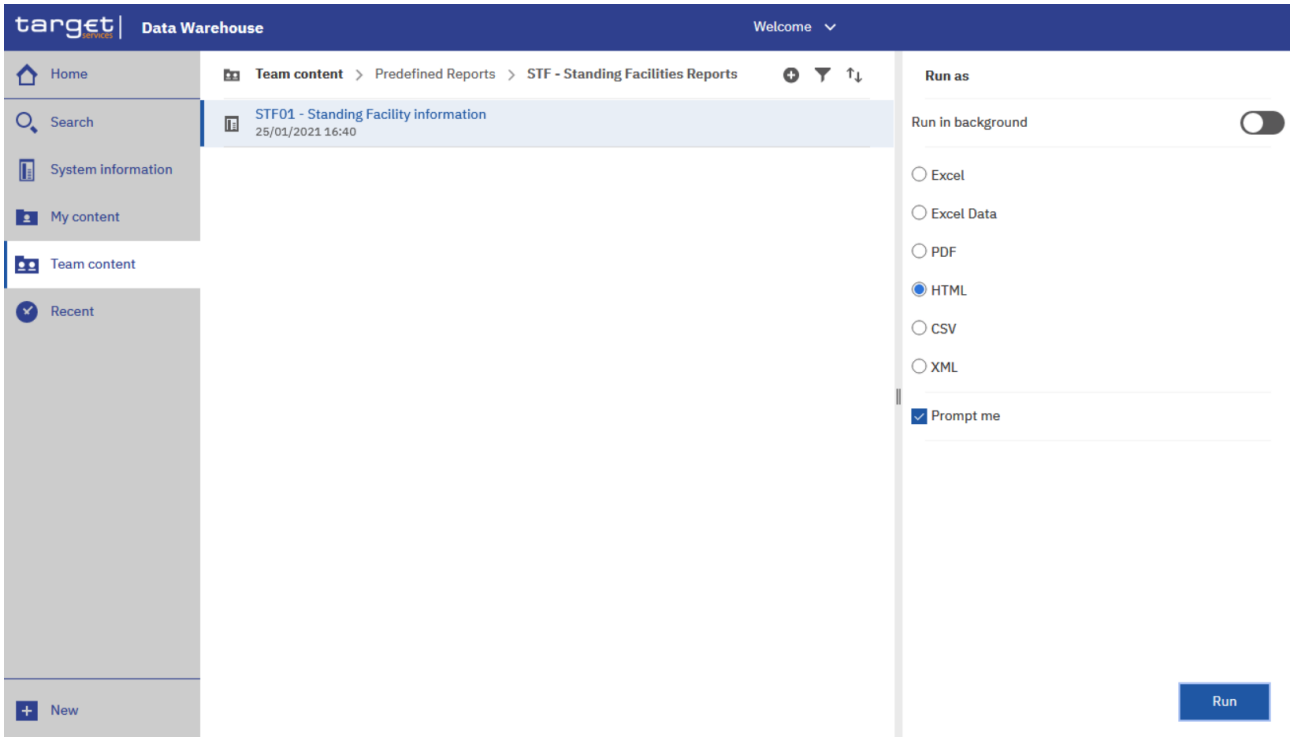



**Figure 100: Team content – Predefined Reports – STF – Standing Facilities Reports – STF01 Standing Facility information – Run as – Run in background**

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This option gives you the opportunity to run the report in the background without waiting for the result. Instead, you can view the report when the report is available.

In order to run the report in background, you have to enable “**Run in background**”. The icon colour turns into blue, meaning this option is enabled, and the following options are available to you:

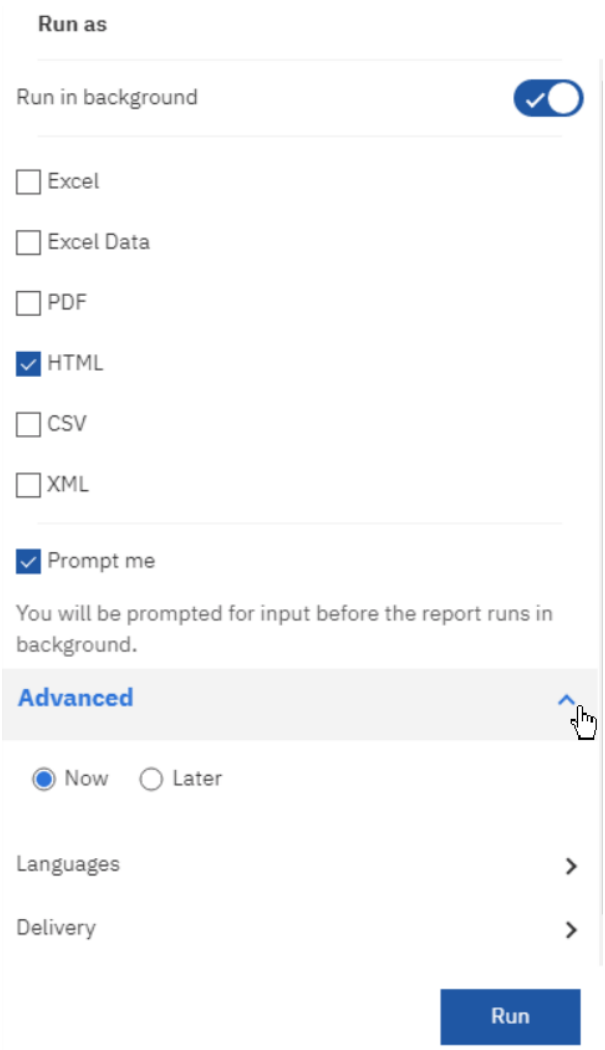



**Figure 101: Run as – Run in background – Advanced**

## Prompt me

When you select “**Prompt me**”, you have to enter search criteria in the prompt page after you click on “**Run**”. If you do not chose this, the report will run with the last set of search criteria you have used.

## Advanced

You can decide if you want to run the report now or later. You can find this option by clicking on the arrow to the right of the “**Advanced**” section.

In case you select “**Now**”, the report runs directly.

A message on top informs you that the prompt page will open.

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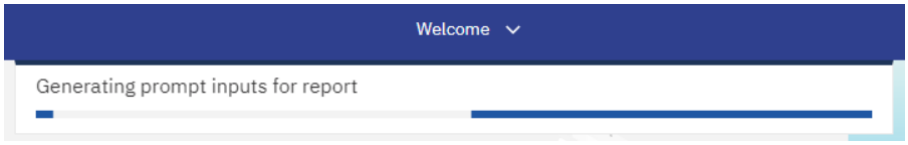



**Figure 102: Run as – Run in background - Advanced**

In case you select "**Later**", you can choose the date and time of the execution.

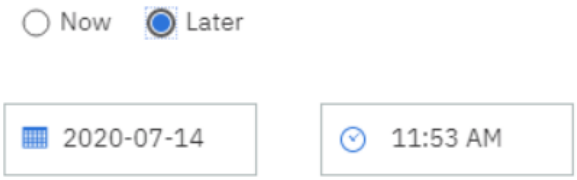



**Figure 103: Run as – Run in background – Advanced – Execution time – Later**

## 4.2.2 Delivery

You can deliver reports by either saving them on the Team content folders, or by saving them as an external file. You have two possibilities to deliver a report result if you want to receive the result only once. First you can save the report in DWH directly and view it after successful creation. The second option is the delivery to the application of your party.

In case a report should be delivered to you (independent from the output channel (U2A or A2A) you have to schedule a report. For this option please refer to chapter Scheduling reports for further details.

### 4.2.2.1 Delivery - Save report (U2A)

To save the report result you must click on the arrow on the right of the Delivery section. Choose "**Save report**" and click on the "**Done**" button. As soon as it is executed, the report is saved in DWH.

**Step 1:** Navigate to the respective report folder

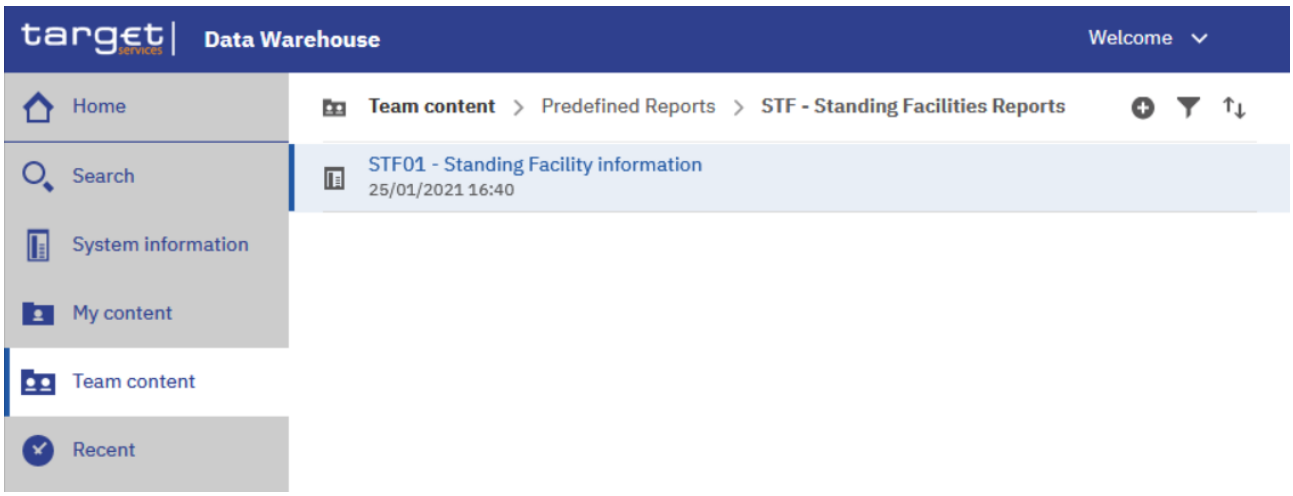



**Figure 104: Team content – Predefined Reports – STF – Standing Facilities Reports**

**Step 2:** Click on the "**More**" icon ( ••• ) at the right of the report and select "**Run as**" Run as .

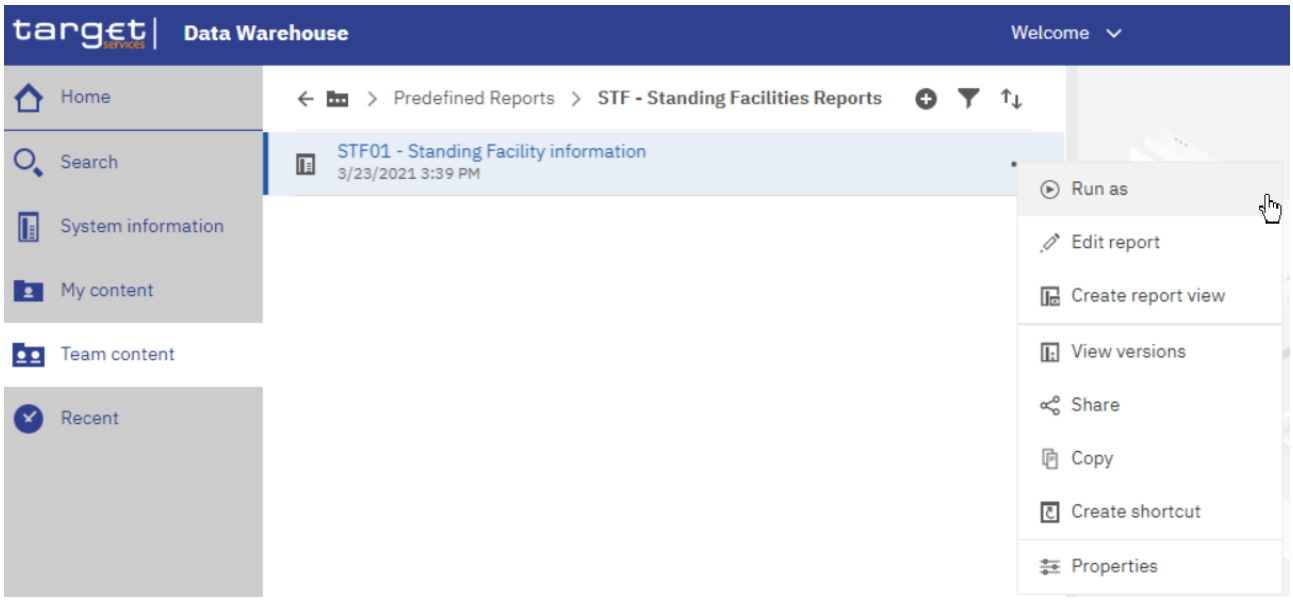



**Figure 105: Team content – Predefined Reports – STF – Standing Facilities Reports – Run as**

**Step 3:** Select "**Run in background**"

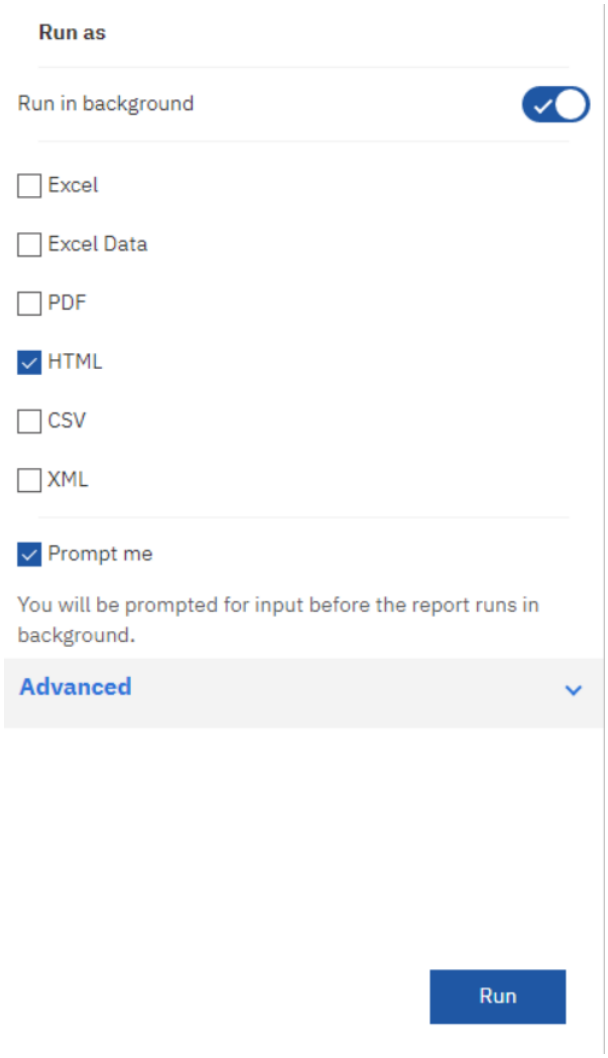



**Figure 106: Team content – Predefined Reports – STF – Standing Facilities Reports – Run as – Run in background**

**Step 4:** Click the arrow next to "**Advanced**" to view the delivery section

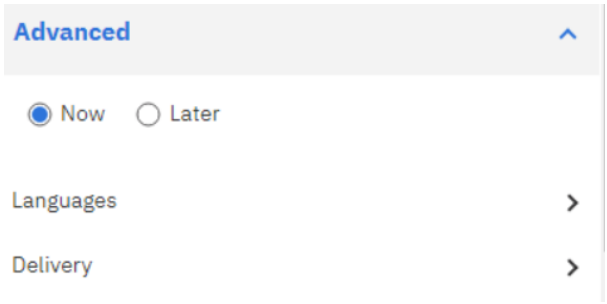



**Figure 107: Team content – Predefined Reports – STF – Standing Facilities Reports – Run as – Run in background – Advanced**

**Step 5:** Click the arrow next to the "**Delivery**" property, uncheck the "**Print report**" property, and check the "**Save report as an external file**". Finally, click on 'Done'

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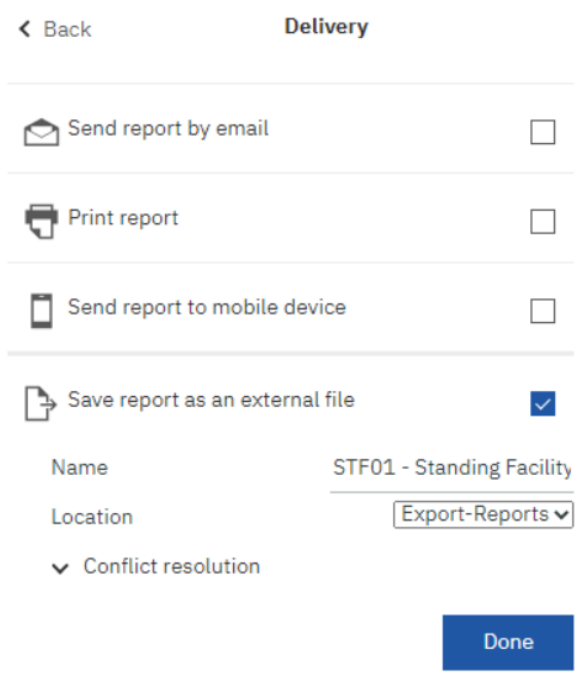



**Figure 108: Team content – Predefined Reports – STF – Standing Facilities Reports – Run as – Run in background – Advanced – Save report as an external file**

### 4.2.2.2 Delivery - Save the report for an external file (A2A)

For the A2A delivery please follow the steps described hereafter.

**Step 1:** You navigate to the respective report folder as described in chapter Copy a report.

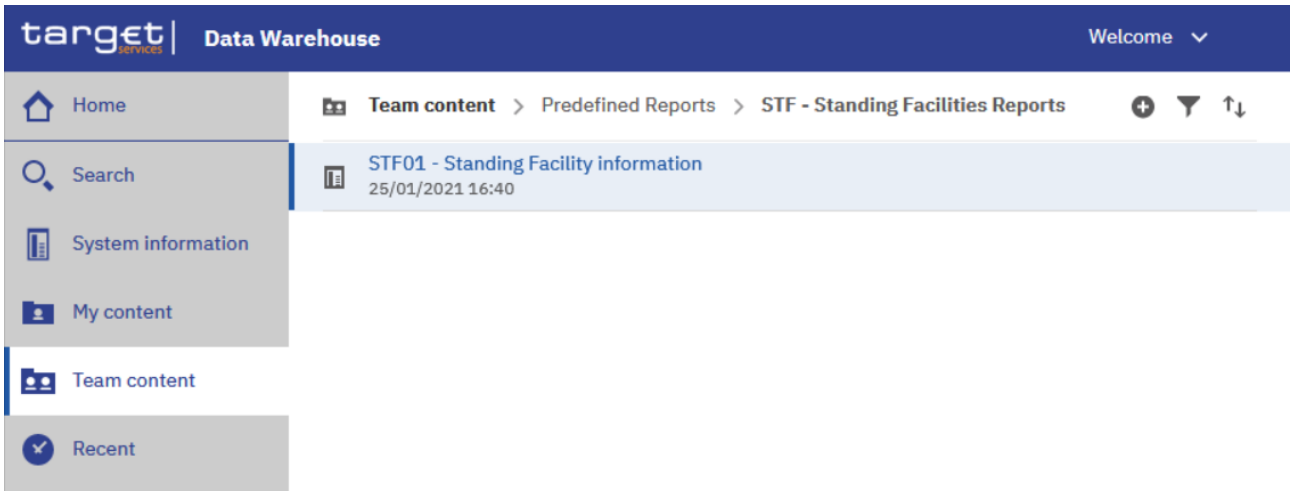



**Figure 109: Team content - Predefined Reports - Standing Facilities Reports - STF01 Standing Facility information**

**Step 2** Click on the "**More**" icon ( ••• ) at the right of the report and select "**Copy**".

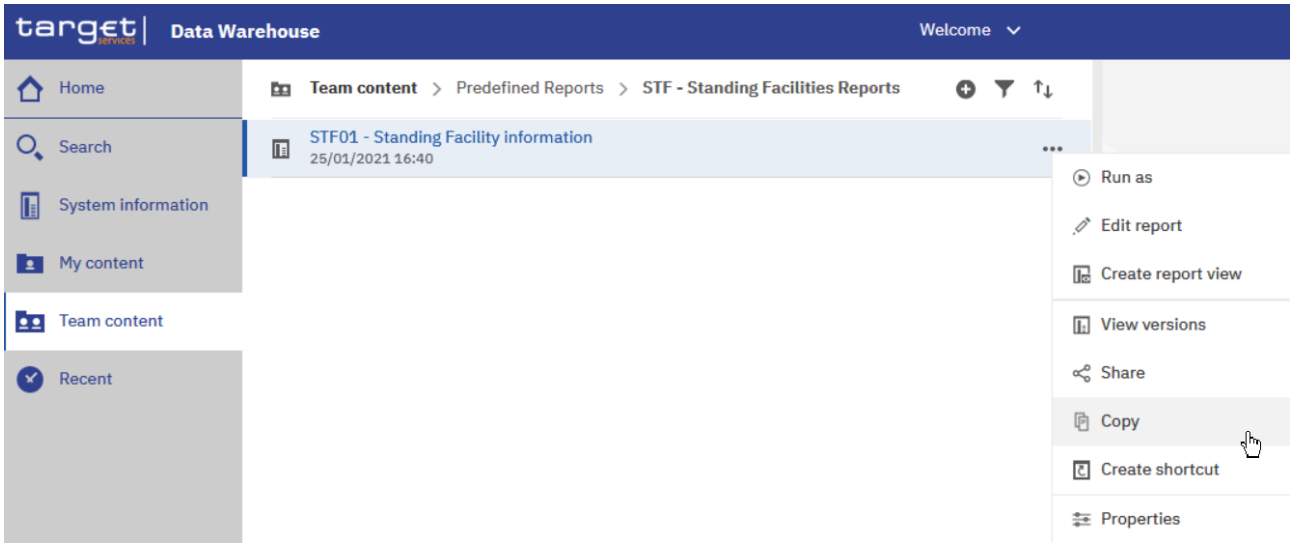



**Figure 110: STF01 Standing Facility information - More options**

**Step 3:** A window pops up where you have to enter a storage location for your copy. In this example, the report is copied to "**My content**".

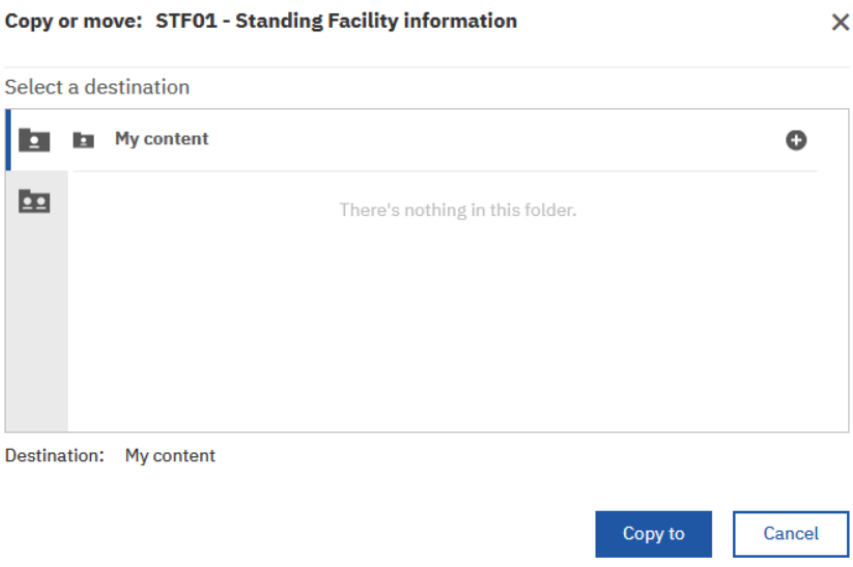



**Figure 111: STF01 Standing Facility information - Copy**

**Step 4:** Navigate to the folder where you have copied the report. In this example, the folder is "**My content**".

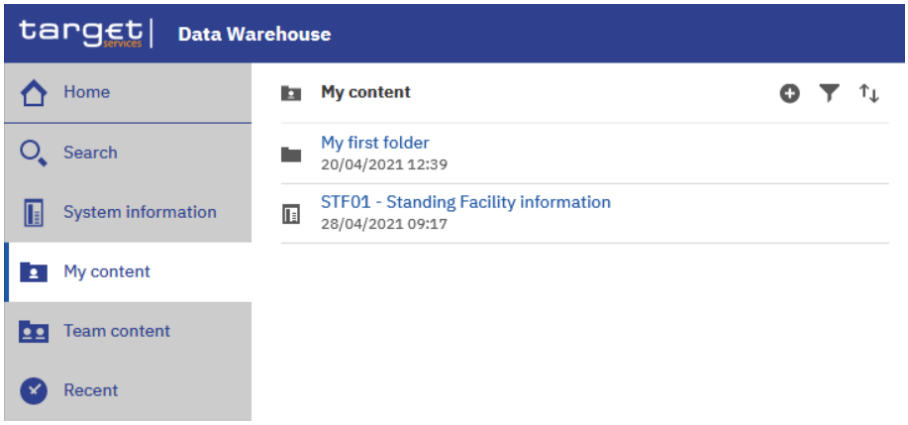



**Figure 112: STF01 Standing Facility information – Copy to My content**

**Step 5:** Find the report and click on the "**More**" icon ( ••• ) at the right of the report and confirm by clicking "**Run as**".

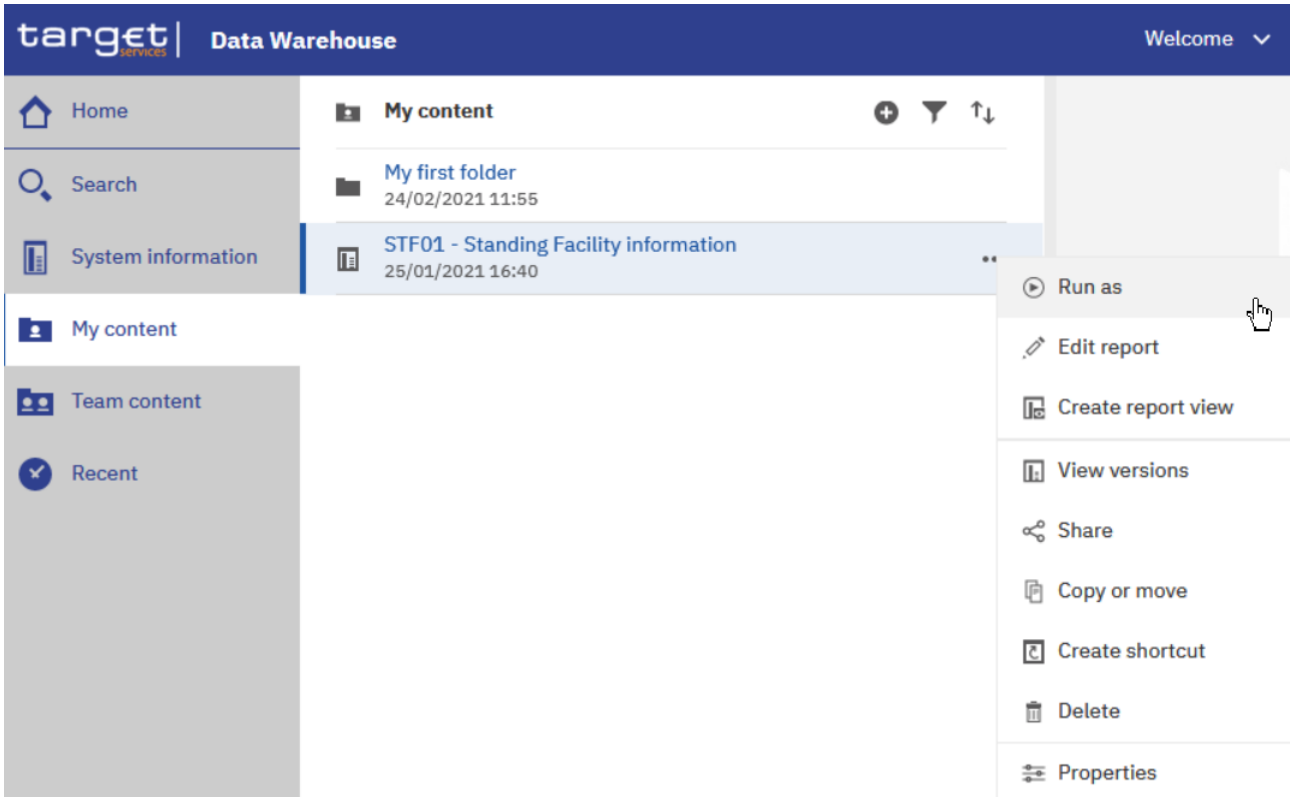



**Figure 113: My content - STF01 Standing Facility information - Run as**

**Step 6:** Perform the same action as explained in chapter Run a report step-by-step for "**Run in background**".

Check the "**Run in background**" button:

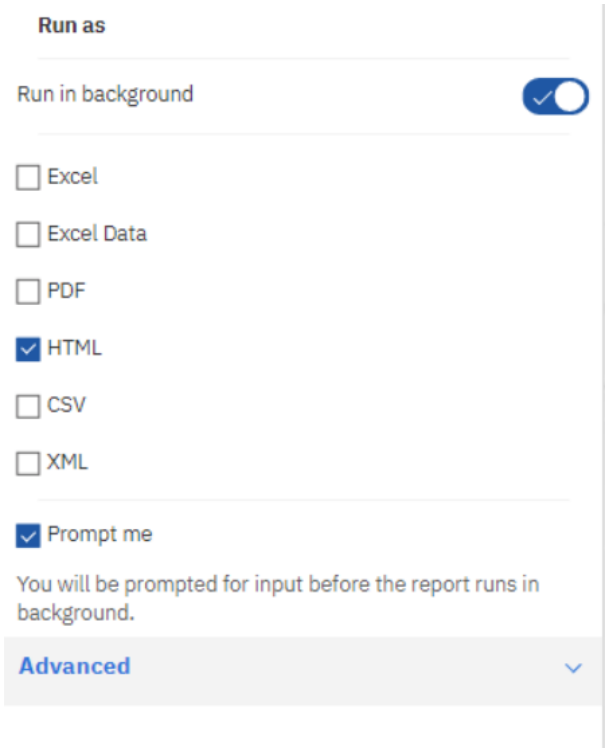



**Figure 114: My content - STF01 Standing Facility information - Run as – Run in background**

**Step 7:** For delivery in A2A you can choose the following formats: CSV, Excel, XML.

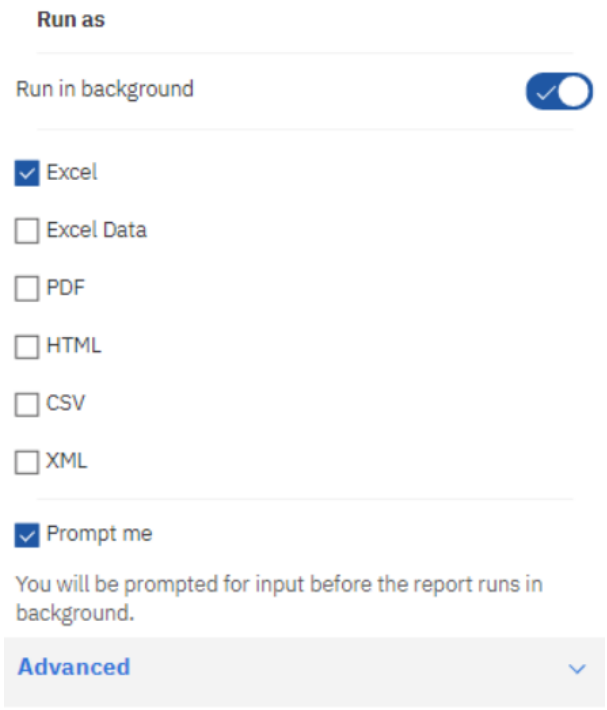



**Figure 115: My content - STF01 Standing Facility information - Run as – Choose the format**

**Step 8:** You are free to select "**Advanced**" "**Now**" or "**Later**" and add a date and time of the execution.

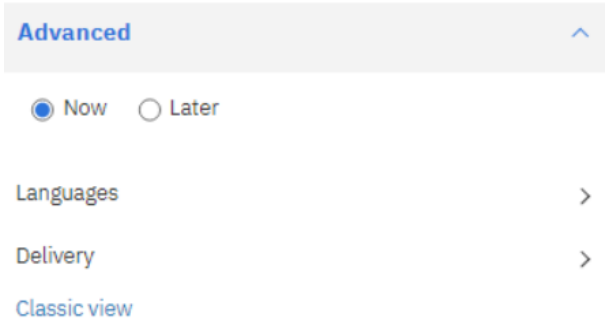



**Figure 116: My content - STF01 Standing Facility information - Run as – Advanced – Now or Later**

**Step 9:** For "**Delivery**" you have to select the option "**Save report as an external file**".

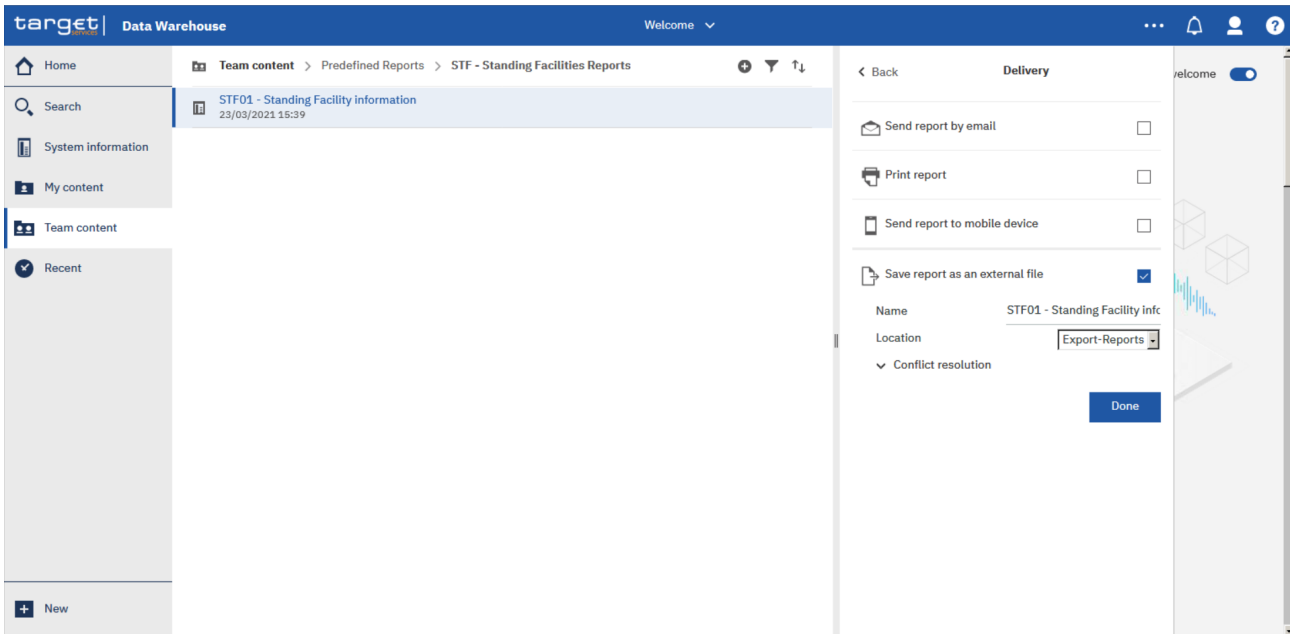



**Figure 117: My content - STF01 Standing Facility information - Run in background - Advanced Delivery**

**Step 10:** After you activated the "**Save report as an external file**" checkbox, further options are presented.

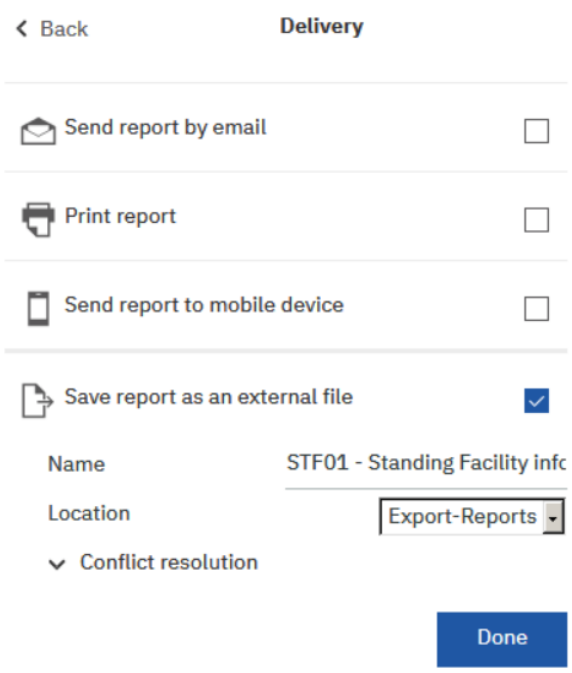



**Figure 118: My content - STF01 Standing Facility information - Run in background - Advanced Delivery - Save report as an external file**

The “**Name**” field presents the name of the report. The default value is the name of the report, as it is known in DWH. Please note, that by leaving the default name in place you need to prevent the generated file from being overwritten by a file with the same name but stemming from other users. For this, please change the value for “Conflict resolution” to one of the two following choices:

- Make the file names unique and append a timestamp
- Make the file names unique and append a sequence number

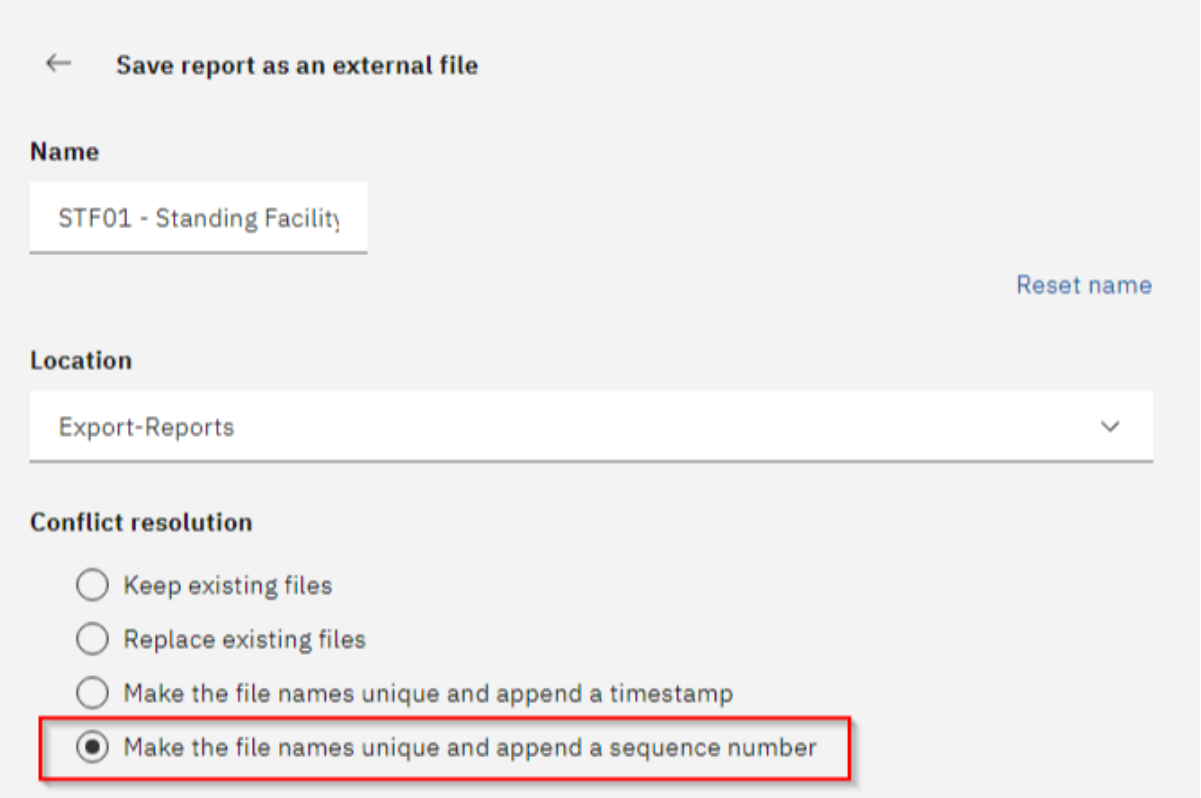



**Figure 119: My content - STF01 Standing Facility information - Run in background - Advanced Delivery - Save report as an external file – Conflict resolution**

Please do not change the default value in the “**Location**” field, as this is the place where the report is stored before it is delivered to your party via A2A. Changing the default value in the ‘Location’ field will result in reports not being sent via A2A. The folder is not accessible via the GUI and only for storing the report before it is delivered via A2A.

**Step 11:** Click on the “**Done**” button ( Done ).

**Step 12:** Click on the “**Run**” button.

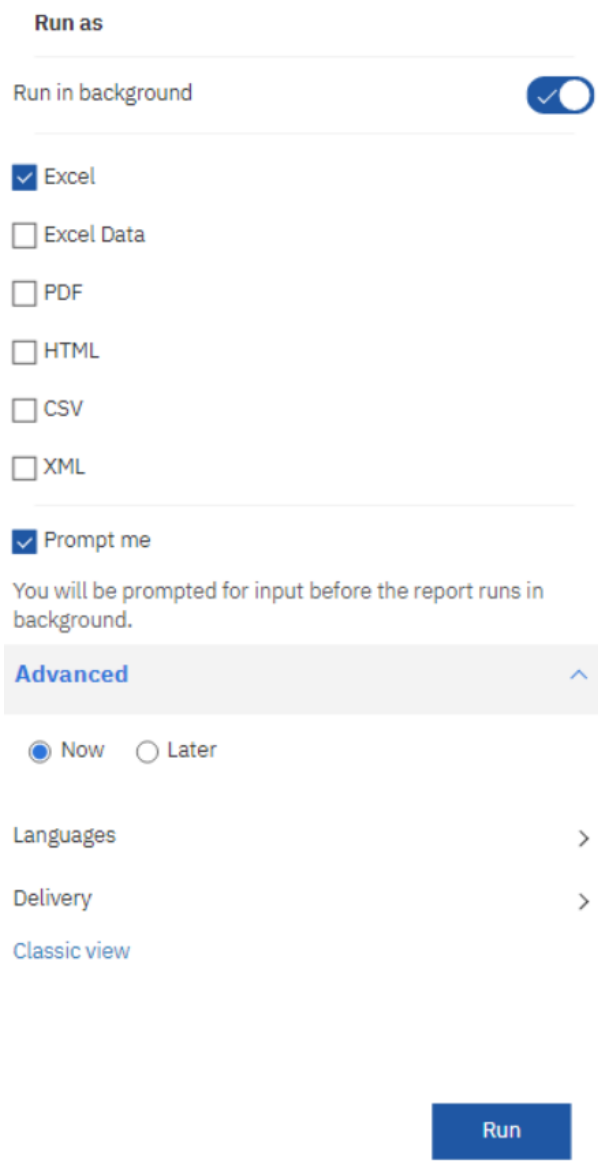



**Figure 120: My content - STF01 Standing Facility information - Run in background - Advanced Delivery – Run the report**

**Step 13:** Enter the search criteria in the prompt page.

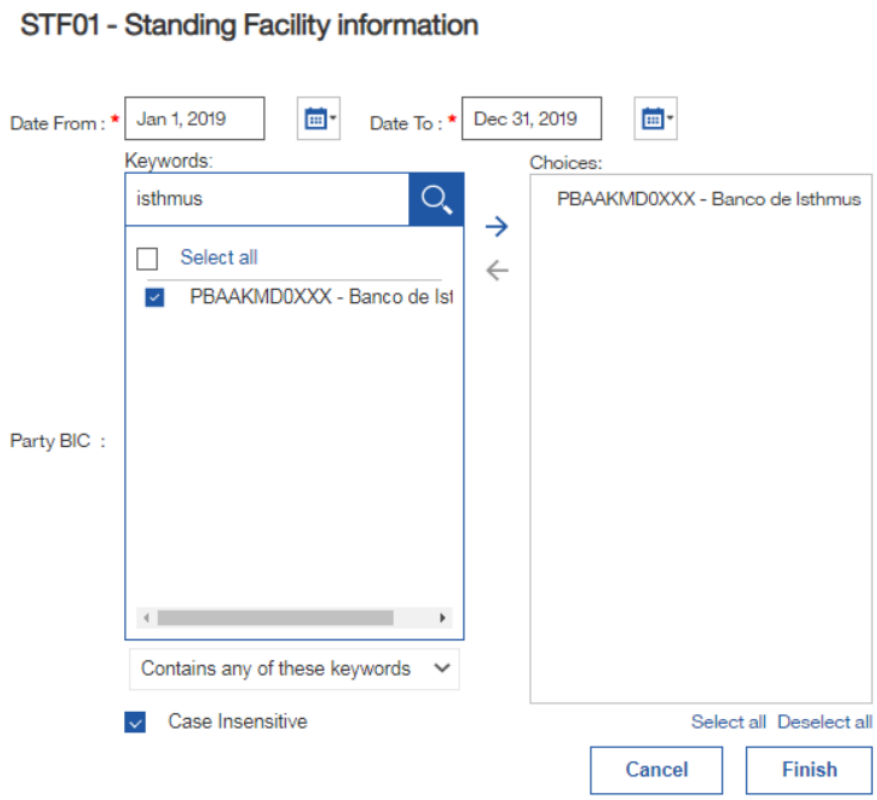



**Figure 121: My content - STF01 Standing Facility information - Run in background - Advanced Delivery – Enter search criteria**

**Step 14:** Click on the "**Finish**" button ( Finish ).

The report will be executed and the result will be sent via A2A in the chosen format to your party.

Or you run your report in the background with the delivery "**Save the report as an external file**".

## 4.3 Scheduling reports

The DWH offers a scheduler function which allows the configuration and delivery of (recurring) reports with individual settings.

This chapter describes the steps that you perform to schedule a report and to check the scheduling afterwards.

### 4.3.1 Precondition

After saving the report in "**My content**" or, for CB users, under the shared folder of your CB, you have to choose the report you want to schedule and create a report view of this report (see chapter Saving a report output).

## 4.3.2 Scheduling the report for a specific time

After creating the report view you can start to schedule your report.

**Step 1:** Choose the report you have saved as a report view, and click on the "**More**" icon ( ••• ) at the right of the report.

**Step 2:** Click on "**Properties**".

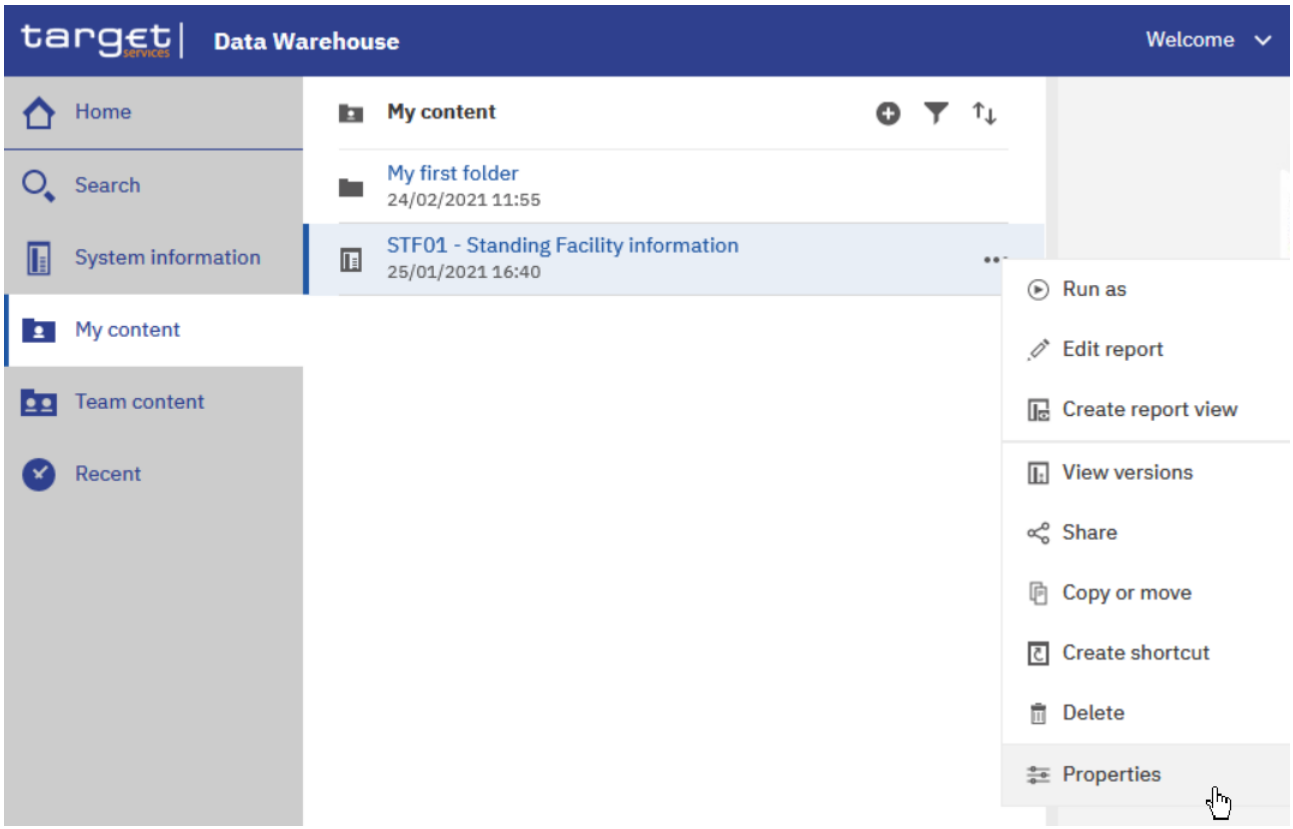



**Figure 122: My content - report view - Properties**

**Step 3:** A description of your report is shown and you can add a description under "**General**".

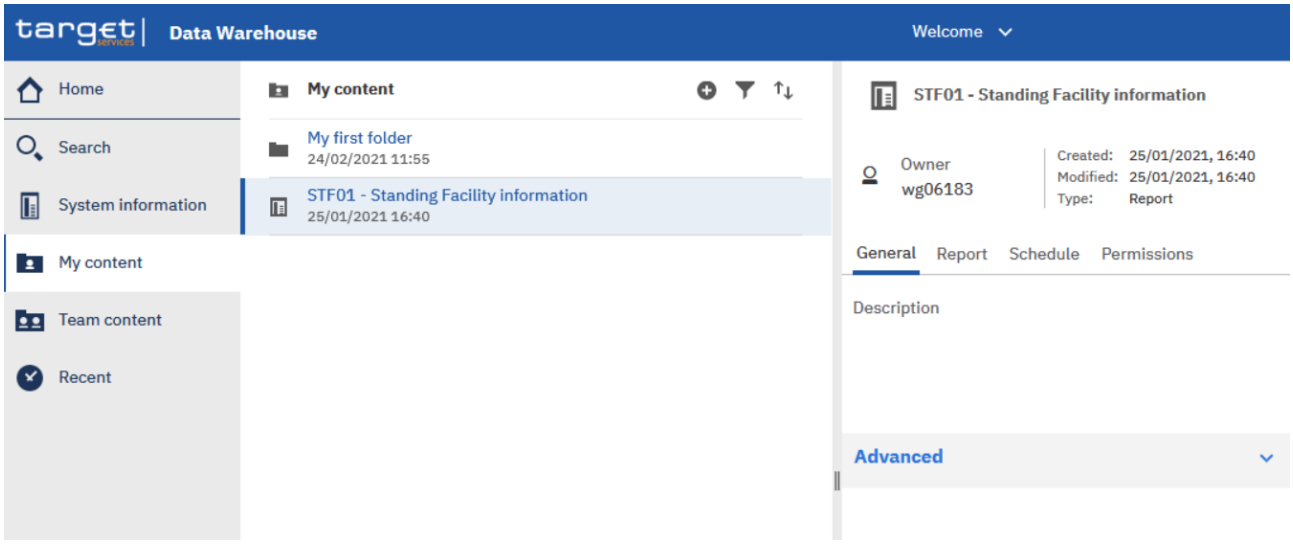



**Figure 123: My content - report view - Properties – General - description of your report**

**Step 4:** In the "**Schedule**" tab you will find the "**New**" icon ( New ).

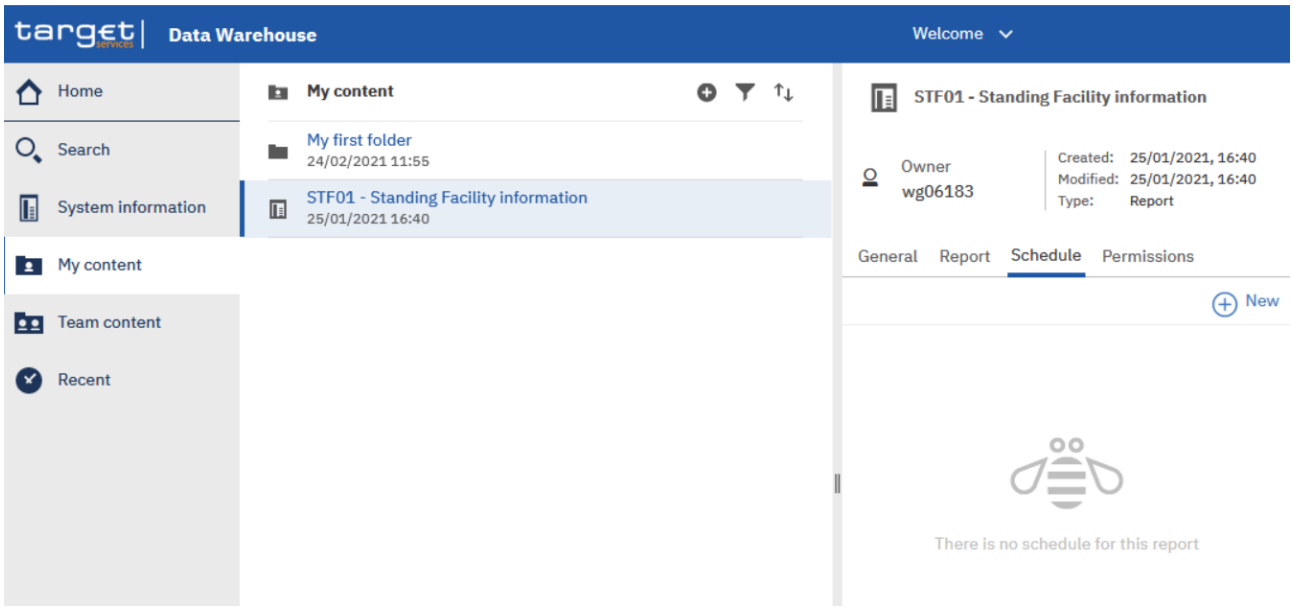



**Figure 124: Welcome page - My content - report view - Properties - Schedule**

**Step 5:** By clicking on the "**New**" icon ( New ), the "**Schedule**" is opening where you have multiple options to choose for scheduling your report.

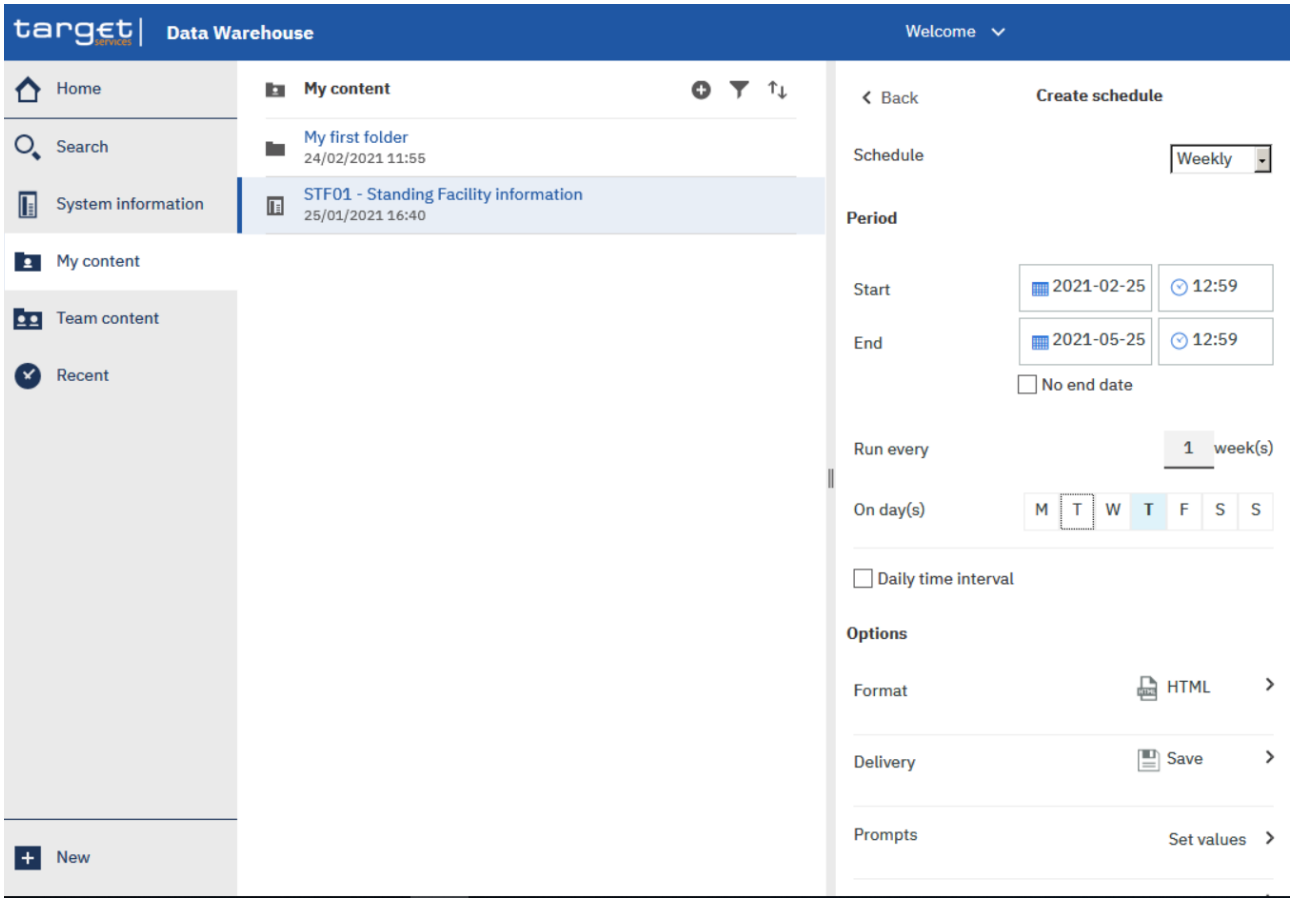



**Figure 125: Welcome page - My content - report view - Properties - create schedule (1)**

**Step 6:** You can set a variety of options when scheduling a report: the frequency the report will be run, the "**Period**" of the schedule, the format in which the report will be delivered, and the delivery method.

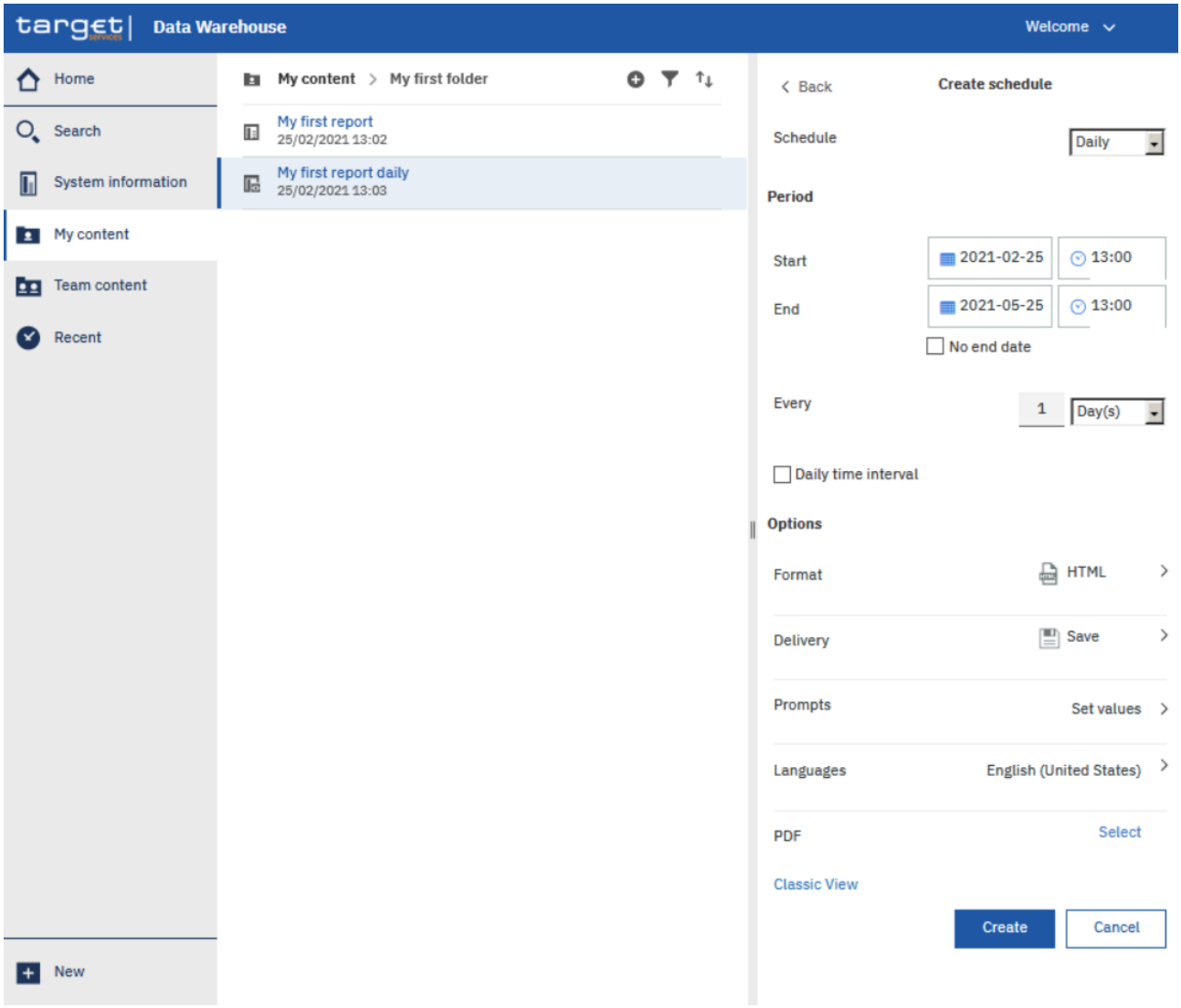



**Figure 126: Welcome page - My content - report view - Properties - create schedule (2)**

Schedule: The frequency, which the report will be run, daily, weekly, monthly, yearly.

Period: Choose the start and the end date of the schedule. Alternatively, by clicking on “No end date” the schedule will run indefinitely.

Format: The type of format the report will be executed to, HTML, CSV, Excel, Excel Data and XML. For further information, you may check the chapter ‘Run a report step-by-step’.

Delivery: You may choose if you want to save the report in Cognos or as an external file. For further information please go to chapter Delivery - Save report (U2A).

Prompts: By clicking on “**Set values**”, and then “**Set**” you will be presented with the prompt page of the report, where you can enter the search criteria.

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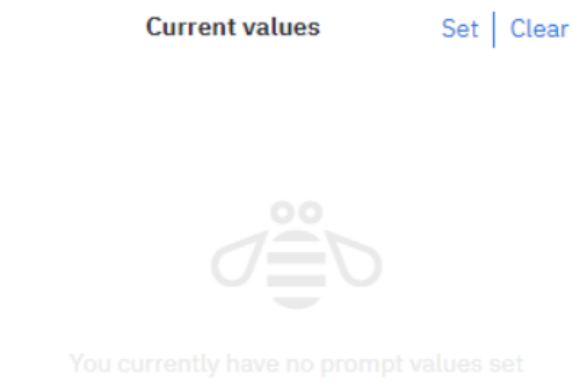



**Figure 127: Welcome page - My content - Report view - Properties - Create schedule – Current values**

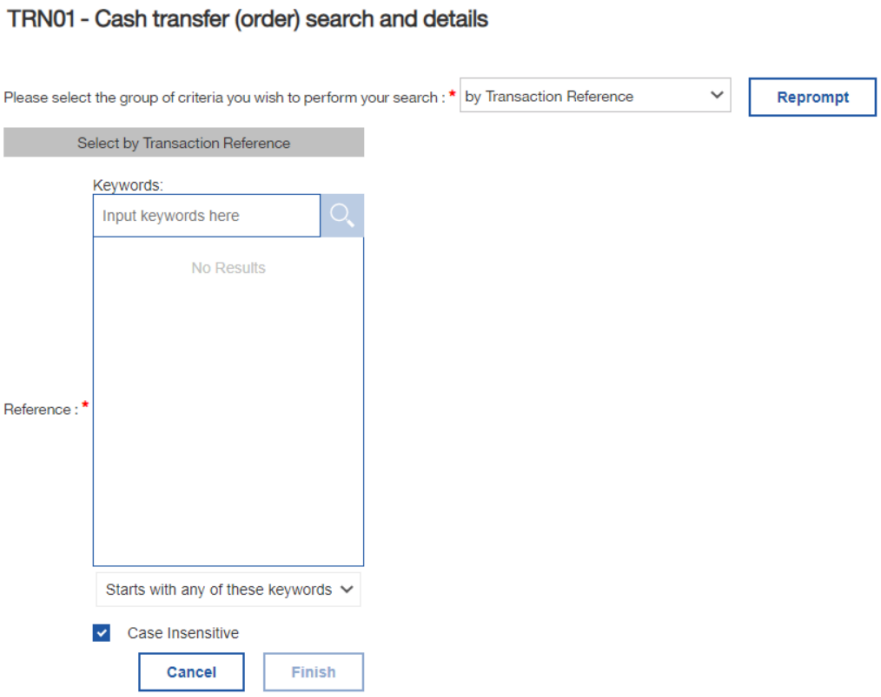



**Figure 128: Welcome page - My content - Report view - Properties - Create schedule – Enter values**

Languages: You may define the language of the content of the report, if more than one languages has been defined in the database. As the language in the database is always English, nothing will change in case you define another language.

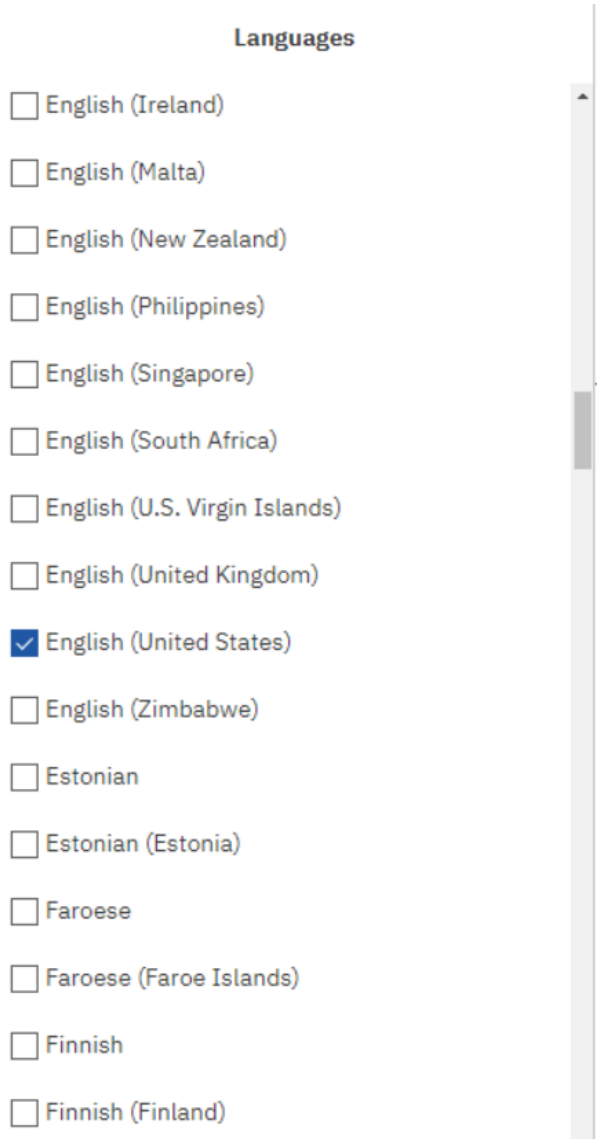



**Figure 129: Welcome page - My content - Report view - Properties - Create schedule – Languages**

PDF: By clicking on “**Select**” you may choose the orientation or the paper size.

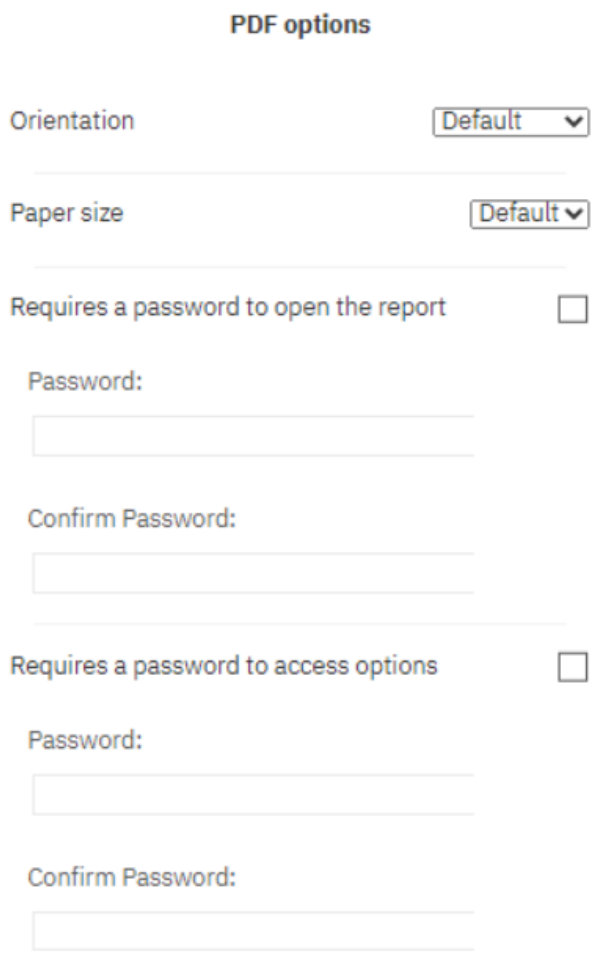



**Figure 130: Welcome page - My content - Report view - Properties - Create schedule - PDF**

In this example, you see a daily schedule with no end date, HTML as an output, and save the report in DWH.

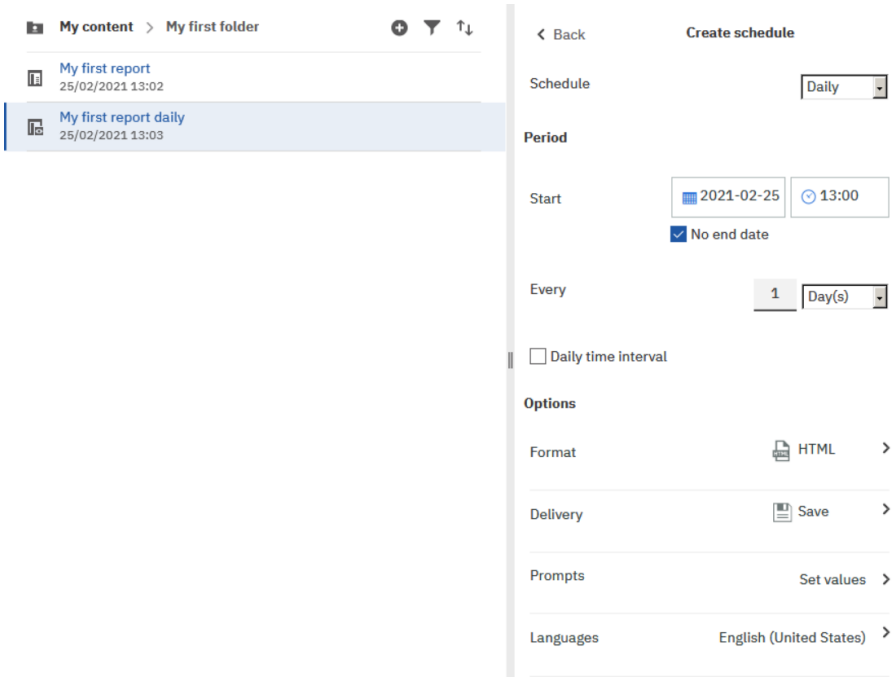



**Figure 131: Welcome page - My content - report view - Properties - create schedule (3)**

In case you want to receive the scheduled reports via A2A you have to choose “**Save report as external file**” and follow the information provided in chapter Delivery - Save report (U2A) .

**Step 7:** It is very important to set the prompt values when scheduling a report to be executed. This can be done by clicking on the arrow next to “**Set values**”.

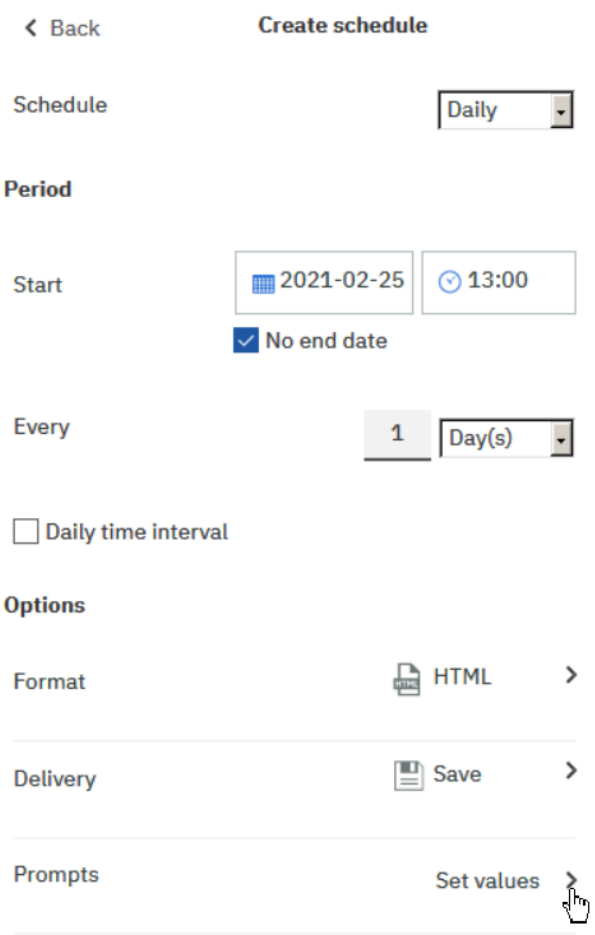



**Figure 132: Welcome page - My content - Properties - Set values**

**Step** 8**:** The "**Current values**" opens. To enter the prompt page you must click on the "**Set**" icon ( Set ).

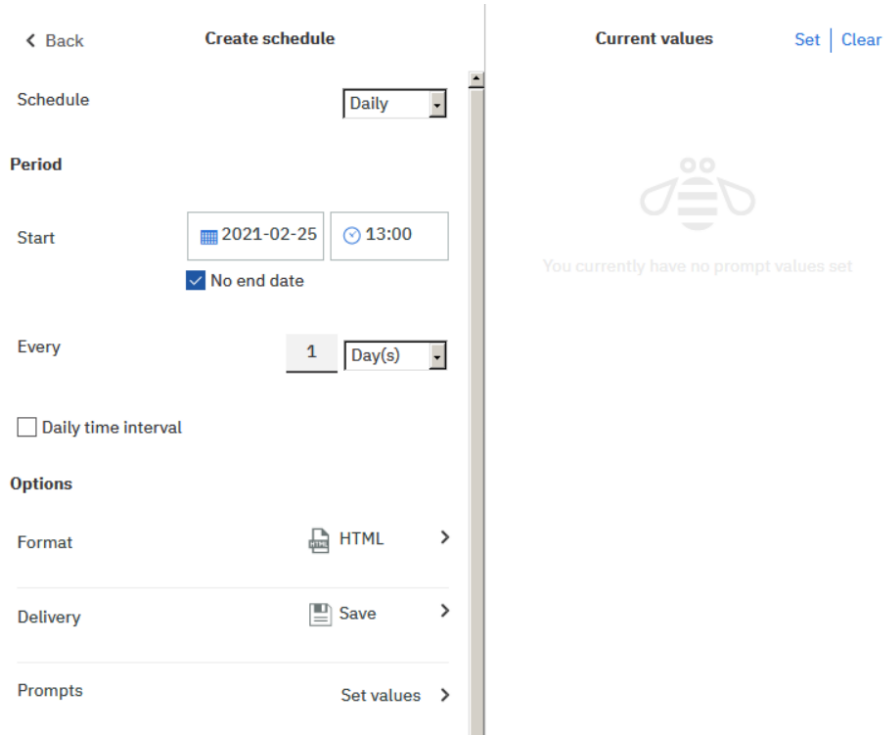



**Figure 133: Welcome page - My content - Properties - Prompts - Set values**

**Step** 9**:** Enter the search criteria on the prompt page and click on “**Finish**”.

**Step** 10**:** Click on the “**Create**” button and the schedule is created.

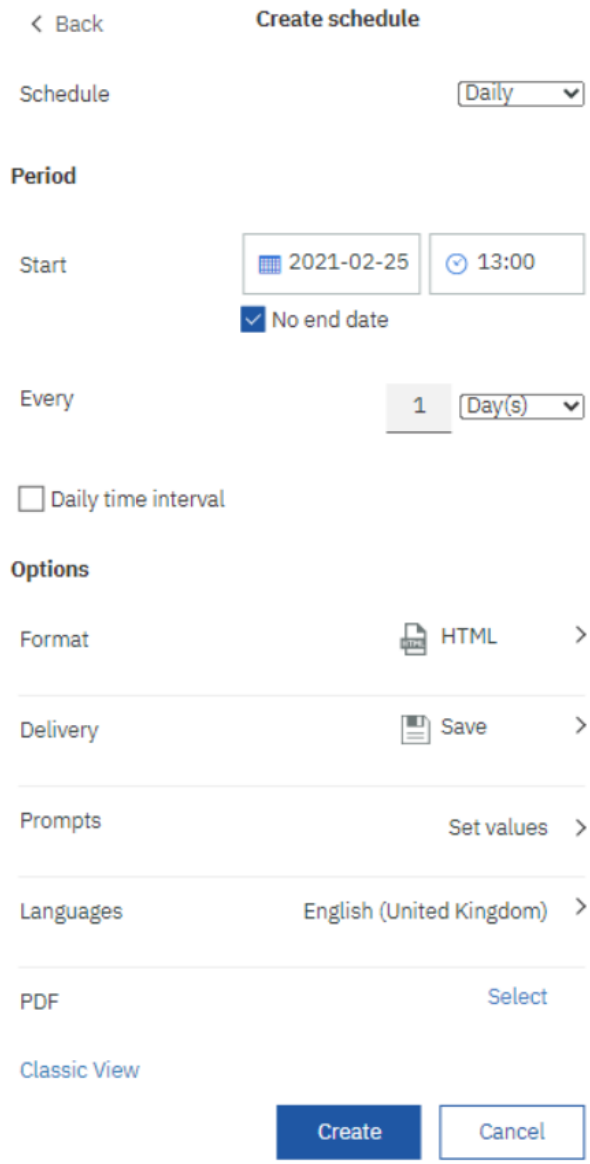



**Figure 134: Welcome page - My content - Properties — Schedule**

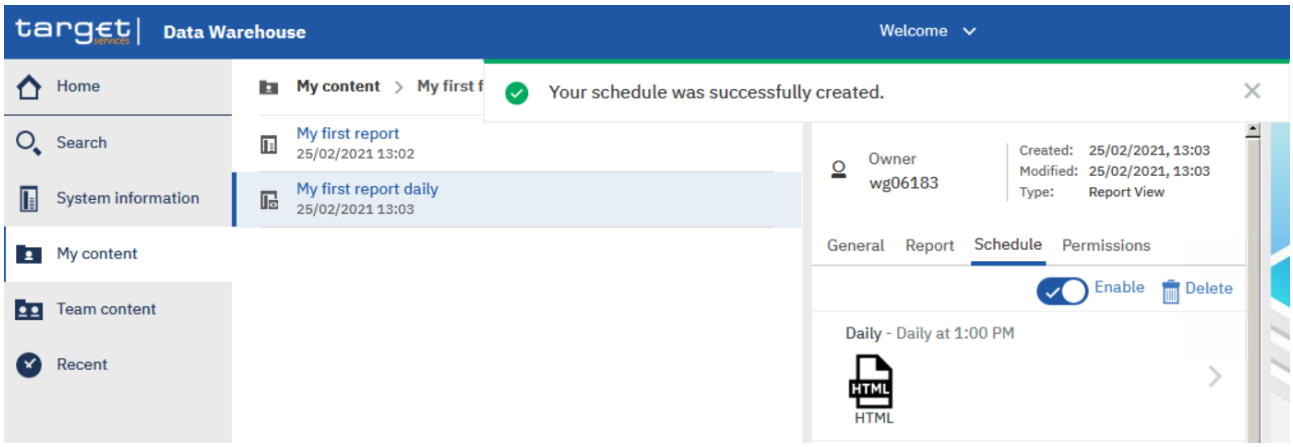



**Figure 135: Welcome page - My content - Properties – Schedule**

The option “**Enable**” informs the user that the schedule is active. By unchecking it, the user cancels the schedule.

### 4.3.3 Scheduling the report for a specific DWH event

You can also schedule a report to be executed shortly after the new data of the last business day was loaded into the DWH. One dedicated DWH internal event will be triggered that starts the execution of the report and either stores it in the “**My content**” folder or sends it out via A2A.

**Step 1:** Choose the report you have saved as report view, and click on the ”**More**” icon ( ••• ) at the right of the report.

**Step 2:** Click on “**Properties**”.

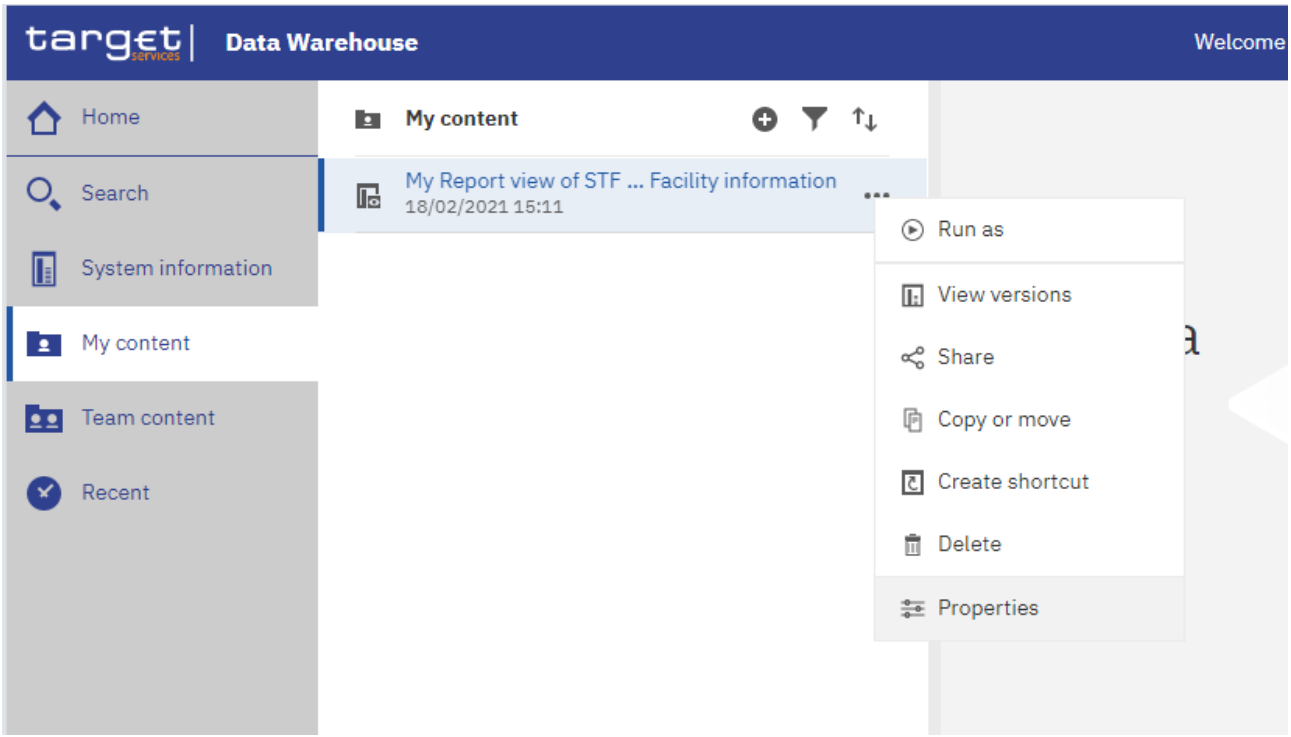



**Figure 136: My content - report view – Properties**

**Step 3:** A description of your report is shown and you can add a description under “**General**”.

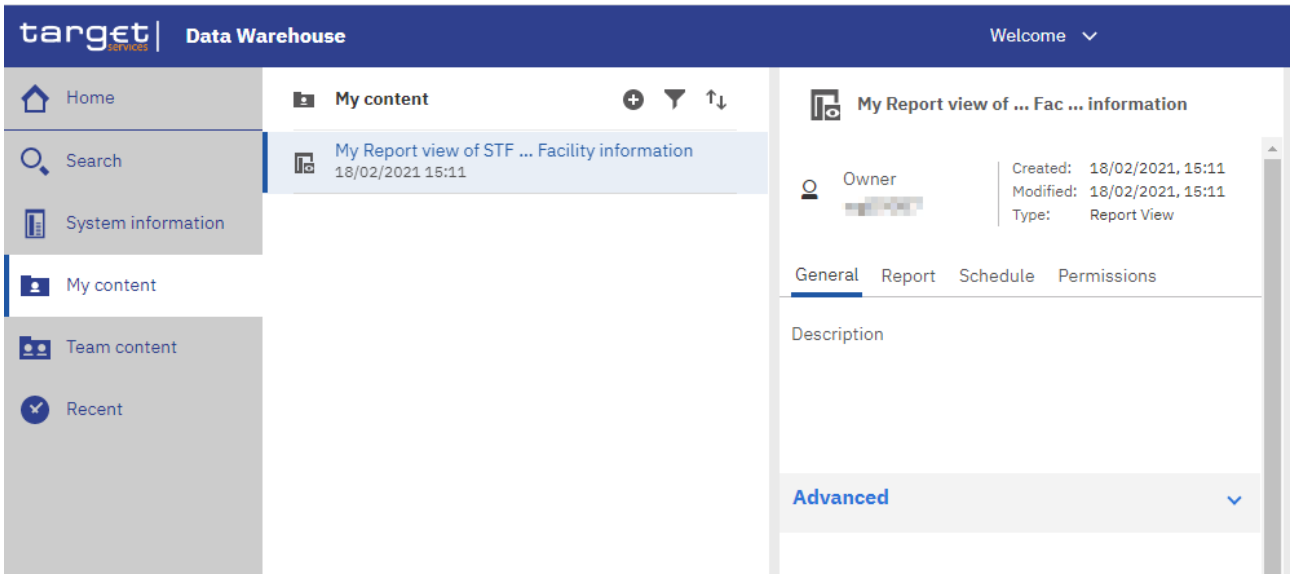



**Figure 137: My content - report view - Properties – General - description of your report**

**Step 4:** In the "**Schedule**" tab you will find the "**New**" (

) icon.

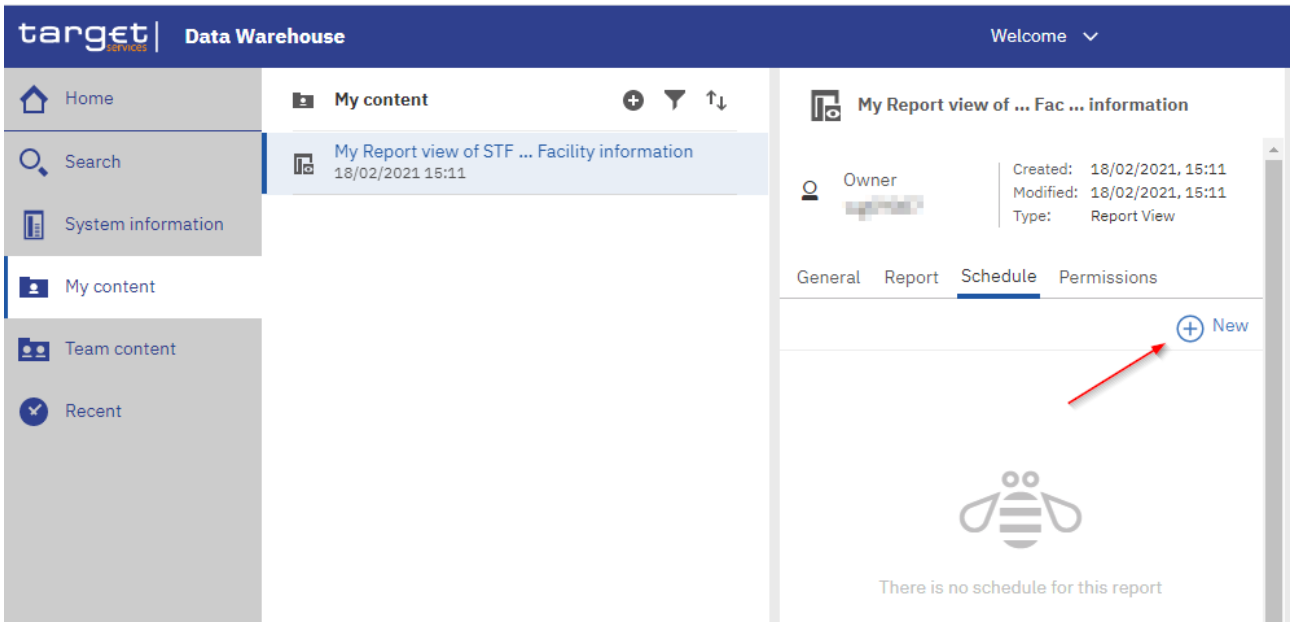
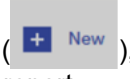



**Figure 138: Welcome page - My content - report view - Properties – Schedule**

**Step 5:** By clicking on the "**New**" icon (

), the "**Schedule**" is opening where you have multiple options to choose for scheduling your report.

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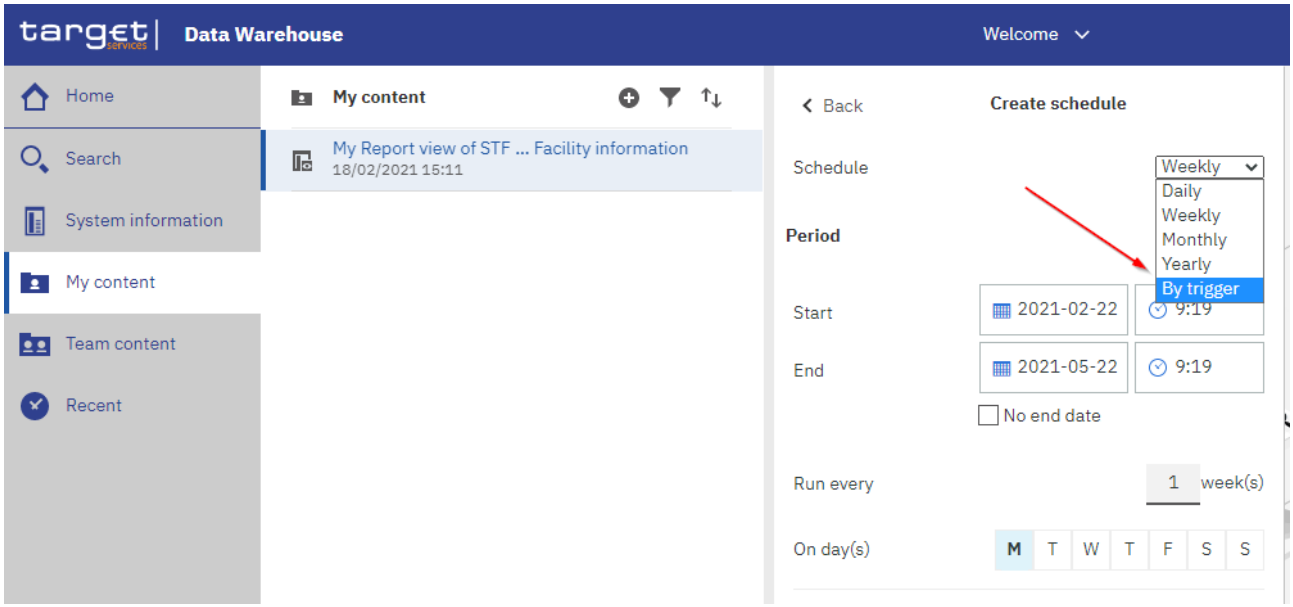



**Figure 139: Welcome page - My content - report view - Properties - create schedule (1)**

**Step 6:** Please select "**By Trigger**" in the pull down list as schedule. In the field "**Trigger name**" you have to choose the adequate trigger as follows:

"eodtrigger" ⇒ EUR

"eodtrigger_(Currency Code)" ⇒ for example for DKK: "eodtrigger_dkk"

"eodtrigger_all" ⇒ no currency-specific trigger

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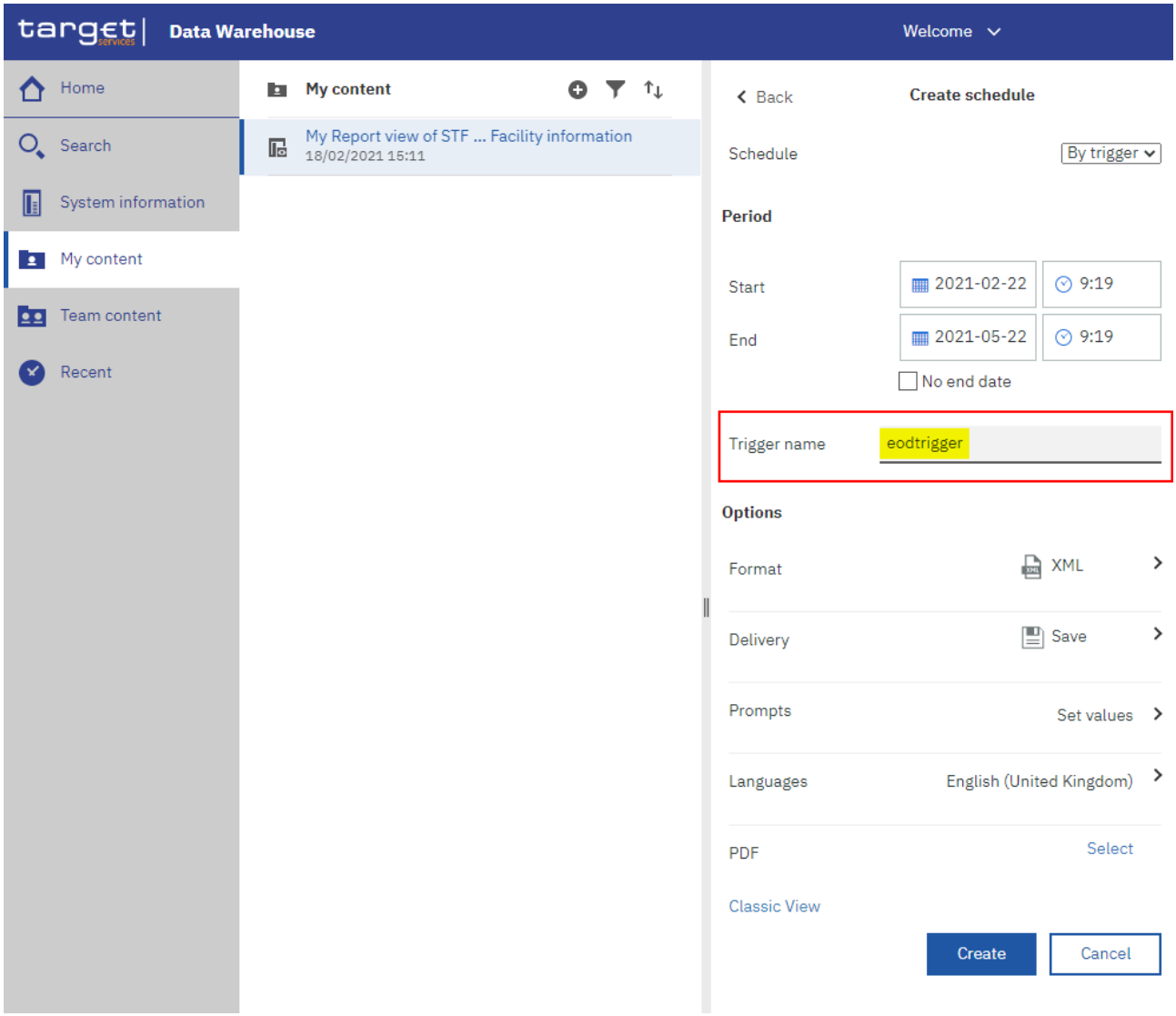



**Figure 140: Welcome page - My content - report view - Properties - create schedule (2)**

In this example, you see a daily schedule with no end date, XML as an output, and save the report in DWH.

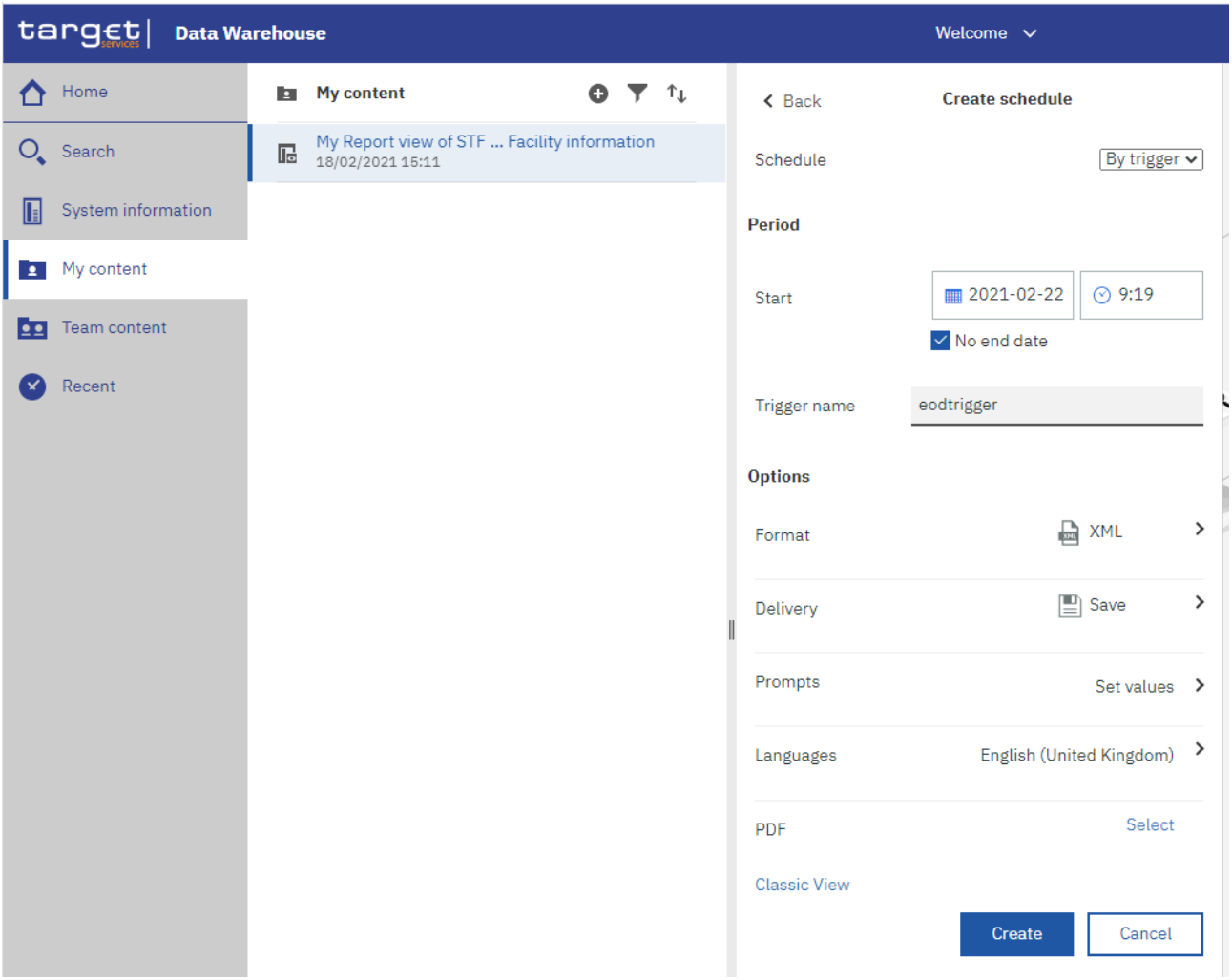



**Figure 141: Welcome page - My content - report view - Properties - create schedule (3)**

In case you want to receive the scheduled reports via A2A you have to choose "**Save report as external file**" and follow the information provided in chapter Delivery - Save report (U2A).

**Step 7:** It is very important to set the prompt values when scheduling a report to be executed. This can be done by clicking on the arrow next to "**Set values**".

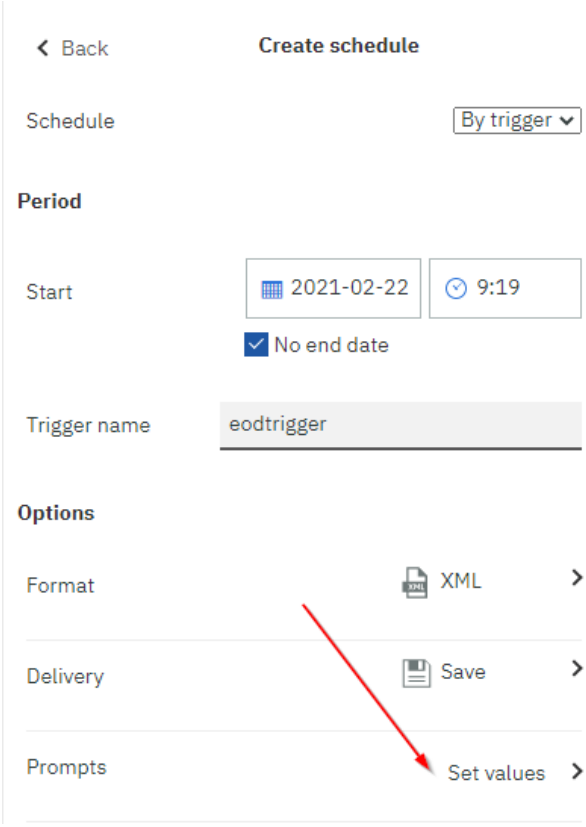



**Figure 142: Welcome page - My content - Properties - Set values**

**Step 8:** The "**Current values**" opens. To enter the prompt page you must click on the "**Set**" icon.

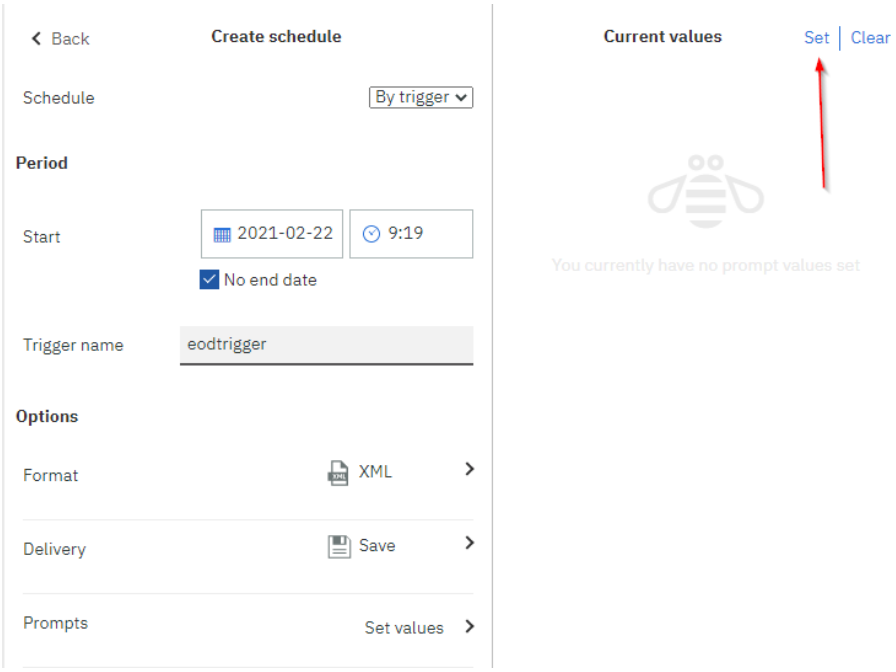



**Figure 143: Welcome page - My content - Properties - Prompts - Set values**

**Step 9:** Enter the search criteria on the prompt page and click on "**Finish**".

**Step 10:** Click on the "**Create**" button and the schedule is created.

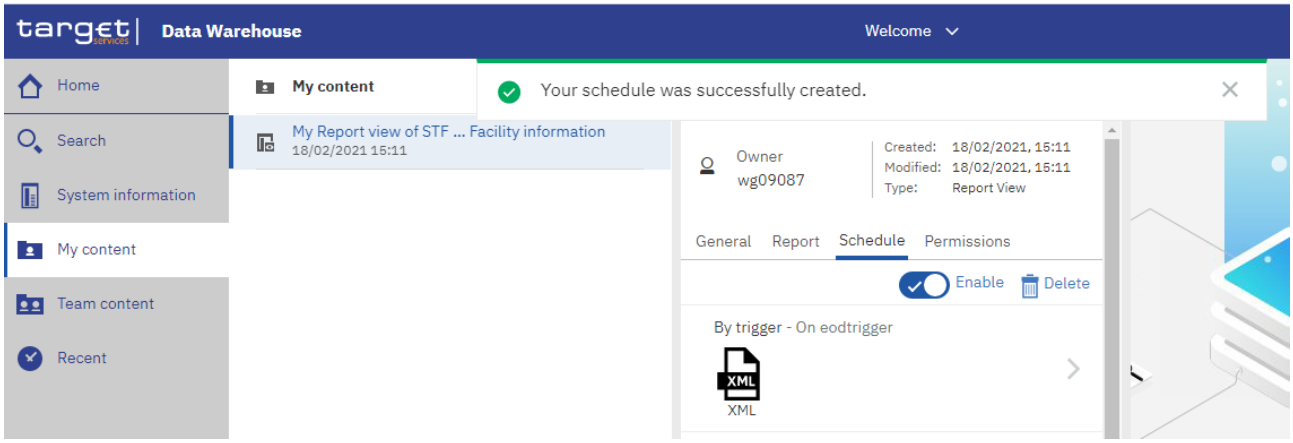



**Figure 144: Welcome page - My content - Properties - Schedule**

## 4.3.4 Check the schedule of your report

**Step 1:** To check the schedule of your report you have to navigate to the "**Personal menu**".

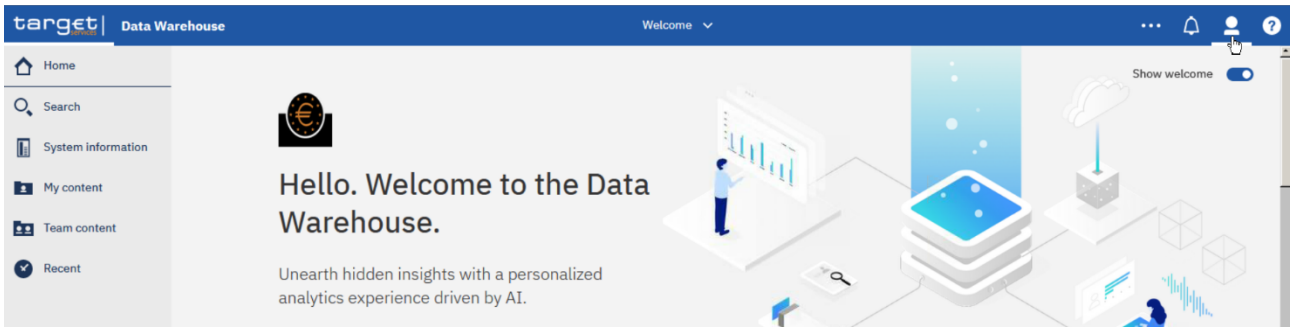



**Figure 145: Welcome page - Personal menu**

**Step 2:** Click on "**My schedules and subscriptions**".

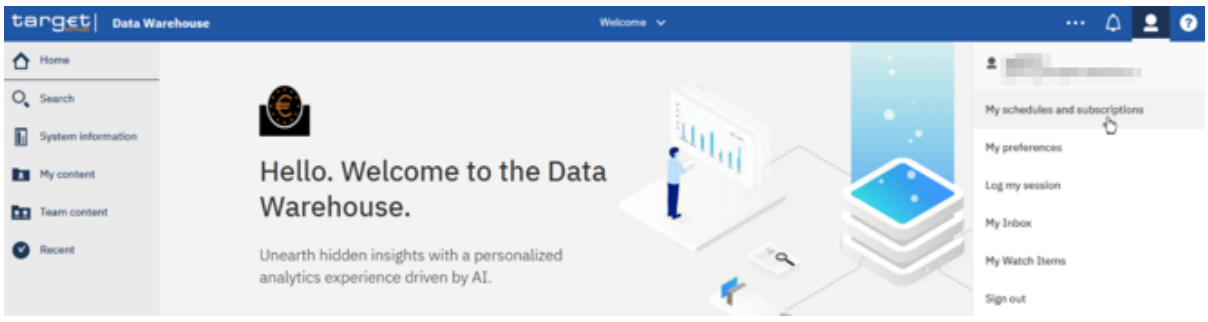



**Figure 146: Welcome page - Personal menu - My schedules and subscriptions**

**Step 3:** You can verify the reports that are scheduled.

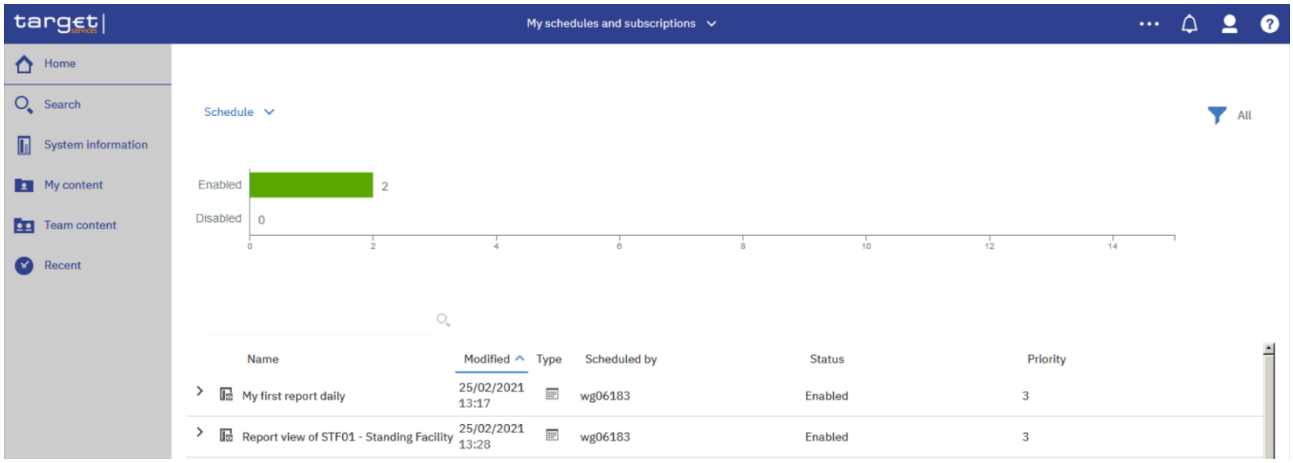



**Figure 147: Welcome page - Personal menu - My schedules and subscriptions - Schedule**

Please refer to chapter Personal menu for further information.

# 4.4 Dynamic prompts

## 4.4.1 Description and function of dynamic prompts

The Dynamic prompts are a new functionality added to Cognos reports. They provide to the user the ability to select a time period that is automatically set by the last business day. The values of these prompts vary depending on the requirements of each report.

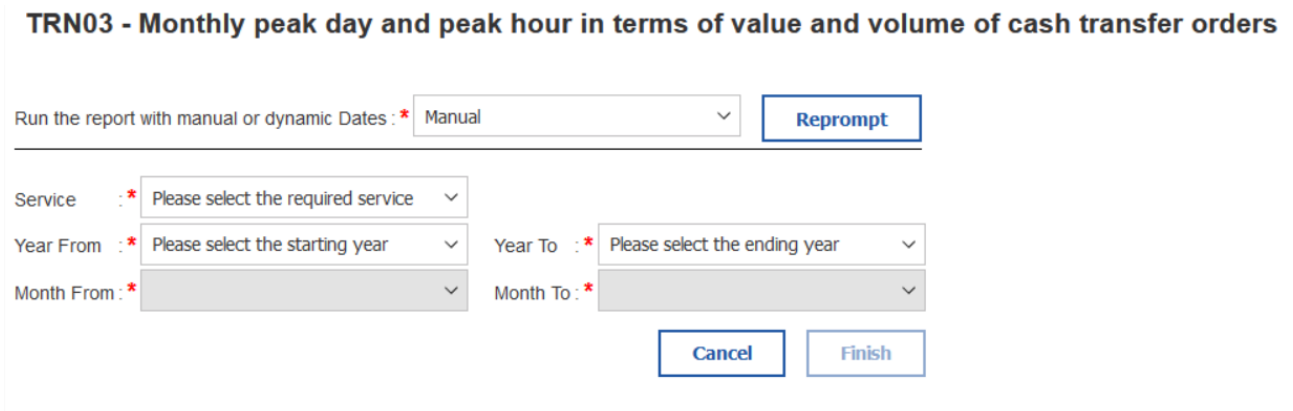



**Figure 148: Previous prompts described as "Manual"**

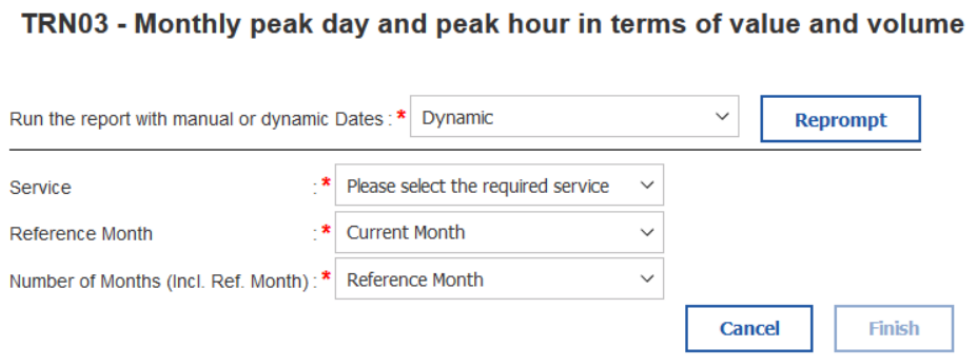



**Figure 149: New prompts described as "Dynamic"**

## 4.4.2 Functionality

The Dynamic prompts use the Last Business Day to filter the data and change dynamically when this date is updated. In order to achieve the result, the user is offered the Reference Interval, which is the point where the date filter is applied. Depending on the report that option could be the Current Day, Previous Day, Current Month, Previous Month, Current Quarter, Previous Quarter. Moreover, depending on the report specifications, the user could be prompted to select a time period, starting from the Reference Interval and going back to the past. That time period is again dependent on the Reference Interval.

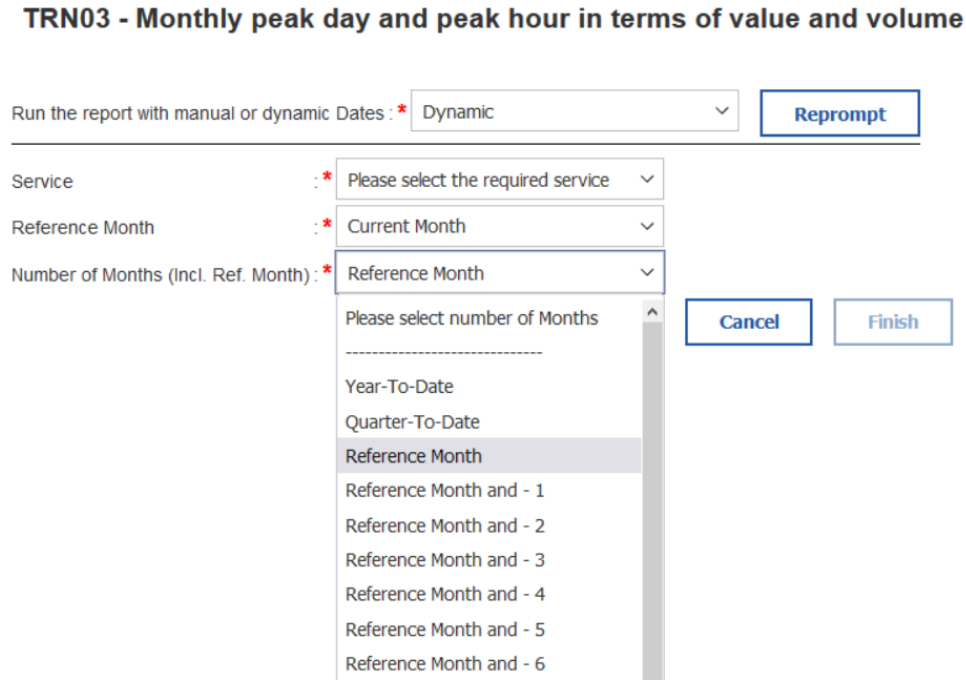



**Figure 150: Dynamic prompts reference interval**

## 4.4.3 How to run a report with dynamic prompt

When a user run a report with dynamic prompts, he is presented with a prompt page having a header with the option to run the report with “Manual” or “Dynamic” Dates. By default, the option “Manual” is preselected.

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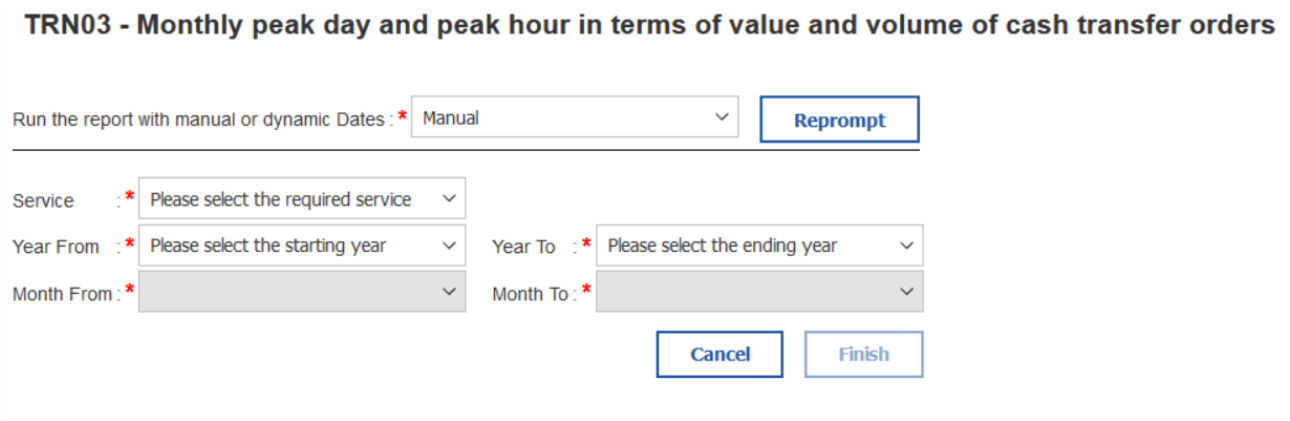



**Figure 151: Running a report with dynamic prompts**

By clicking on the drop down “Run the report with manual or dynamic Dates:” the user can find the option “Dynamic”

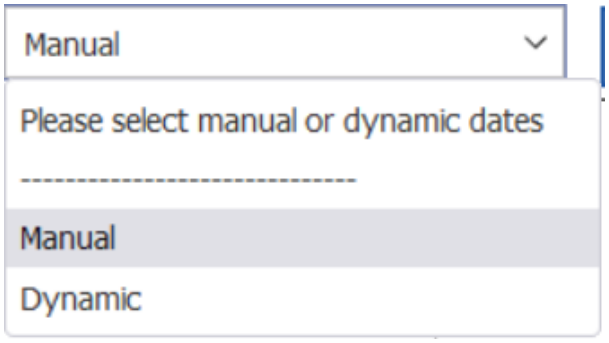



**Figure 152: Select manual or dynamic dates**

By selecting the “Dynamic” option, and then clicking on the “Reprompt” button the dynamic prompts are shown:

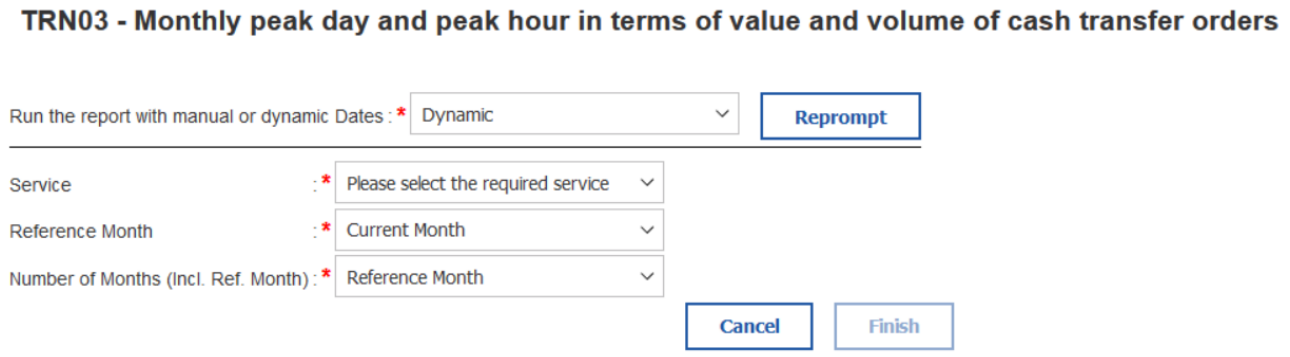



**Figure 153: Dynamic option**

In our example the Reference Interval option is the “Reference Month”. By clicking on the Drop down, the user is presented with the Reference Intervals. In this example there is available “Current Month” and the “Previous Month”:

All rights reserved.

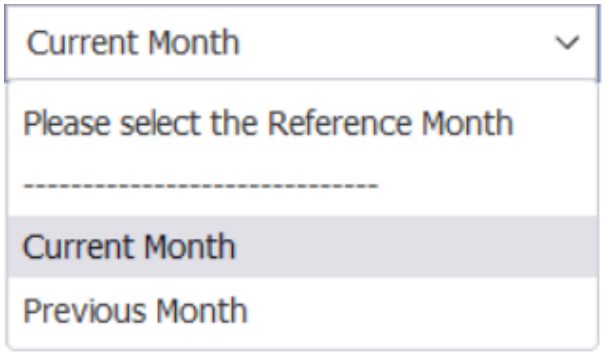



**Figure 154: Reference Month**

In this example that option would work as the “Period End”.

The next drop down which is called “Number of Months (Incl. Ref. Month)”, provides the option to go back to the past, in order to filter the results of the report for a time period. In our example the available options are “Year-To-Date”, “Quarter-To-Date”, “Reference Month”, and the options “Reference Month” and – “Number of months”.

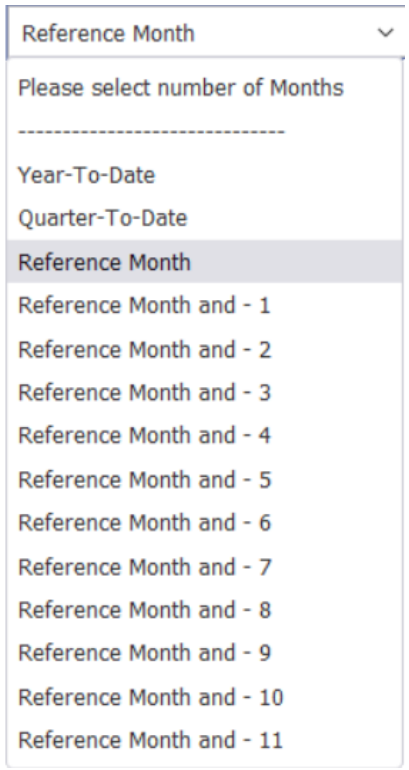



**Figure 155: Reference month options to select**

In our example that option would work as the “Period Start”.

For the sake of our example, we will choose “T2 CLM” as “Service” the “Current Month” as the “Reference Month” and the “Year-To-Date” as the “Number of Months (Incl. Ref. Month)”.

After the successful execution of our report, the user is presented with the following results:

All rights reserved.

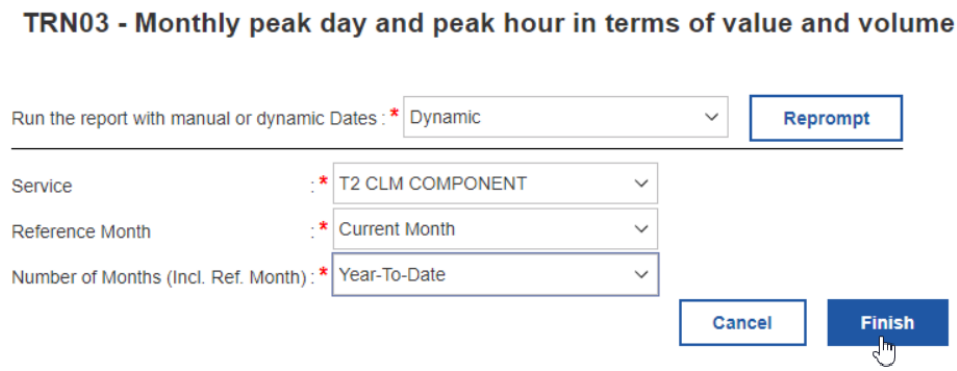
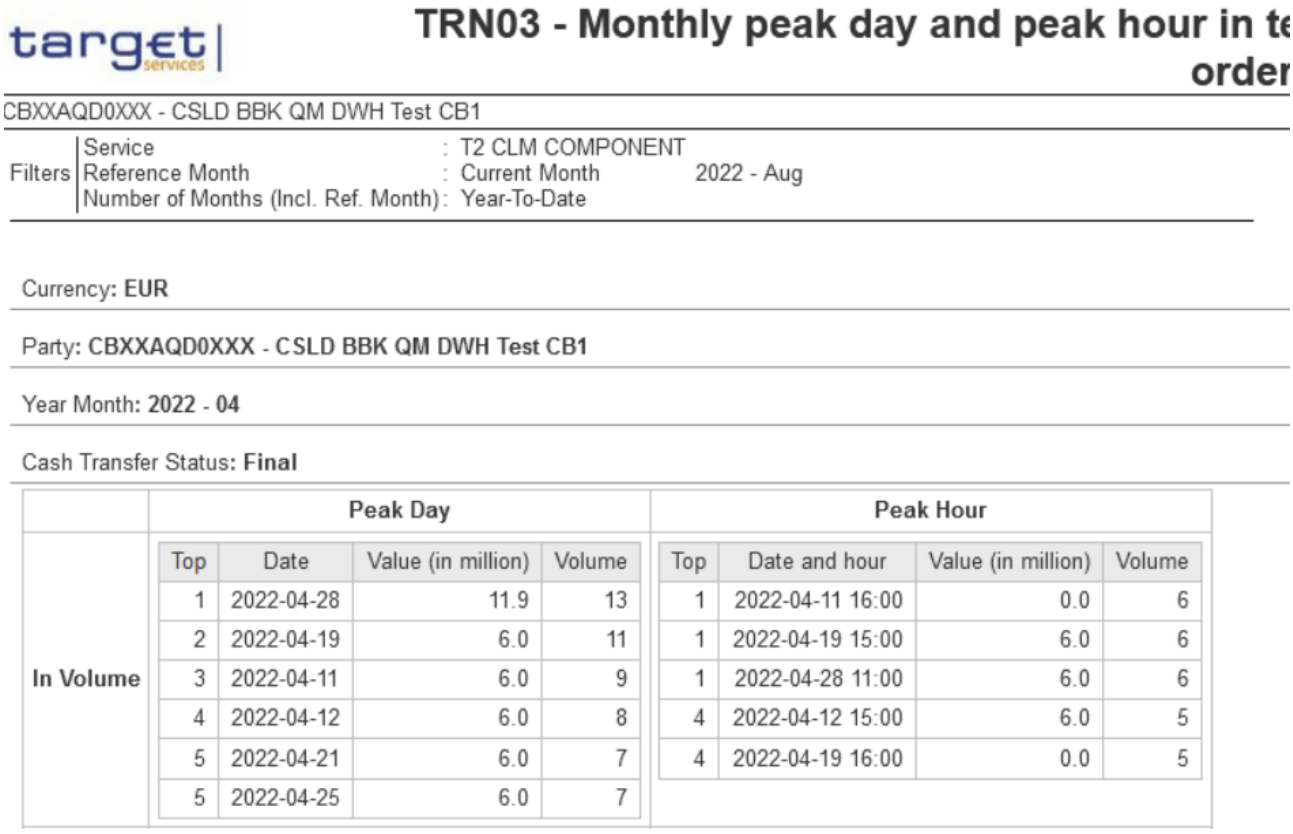



**Figure 156: Dynamic prompt selected with all reference interval**



TRN03 - Monthly peak day and peak hour in te
order

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

| Filters | | | |
|---|---|---|---|
| | Service | : T2 CLM COMPONENT | |
| | Reference Month | : Current Month | 2022 - Aug |
| | Number of Months (Incl. Ref. Month) | : Year-To-Date | |

Currency: **EUR**

Party: **CBXXAQD0XXX - CSLD BBK QM DWH Test CB1**

Year Month: **2022 - 04**

Cash Transfer Status: **Final**

| | Peak Day | | | | Peak Hour | | | |
|---|---|---|---|---|---|---|---|---|
| | Top | Date | Value (in million) | Volume | Top | Date and hour | Value (in million) | Volume |
| **In Volume** | 1 | 2022-04-28 | 11.9 | 13 | 1 | 2022-04-11 16:00 | 0.0 | 6 |
| | 2 | 2022-04-19 | 6.0 | 11 | 1 | 2022-04-19 15:00 | 6.0 | 6 |
| | 3 | 2022-04-11 | 6.0 | 9 | 1 | 2022-04-28 11:00 | 6.0 | 6 |
| | 4 | 2022-04-12 | 6.0 | 8 | 4 | 2022-04-12 15:00 | 6.0 | 5 |
| | 5 | 2022-04-21 | 6.0 | 7 | 4 | 2022-04-19 16:00 | 0.0 | 5 |
| | 5 | 2022-04-25 | 6.0 | 7 | | | | |

**Figure 157: Report result**

In the results the user may see in the header the values “Reference Month” set to “Current Month”, like the user selected in the prompt screen and the value “2022 - Aug” to the right. That value informs the user that the current month in the dataset is set to August of 2022.



| Filters | | | |
|---|---|---|---|
| | Service | : T2 CLM COMPONENT | |
| | Reference Month | : Current Month | 2022 - Aug |
| | Number of Months (Incl. Ref. Month) | : Year-To-Date | |

**Figure 158: Filters of report executed**

The value “Number of Months (Incl. Ref. Month)”, is set to “Year-To-Date” as the user selected in the prompt screen.

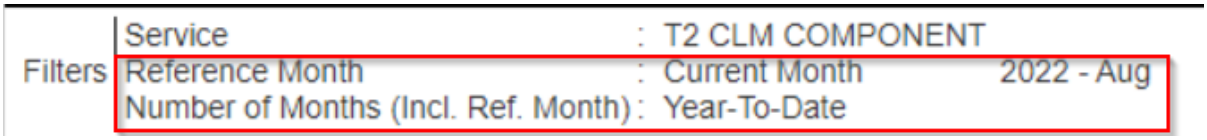



**Figure 159: Filters of report executed**

After these selections, the results are expected to start from the January of 2022, ending to August of 2022.

In our list of results, we may see results starting from April of 2022:

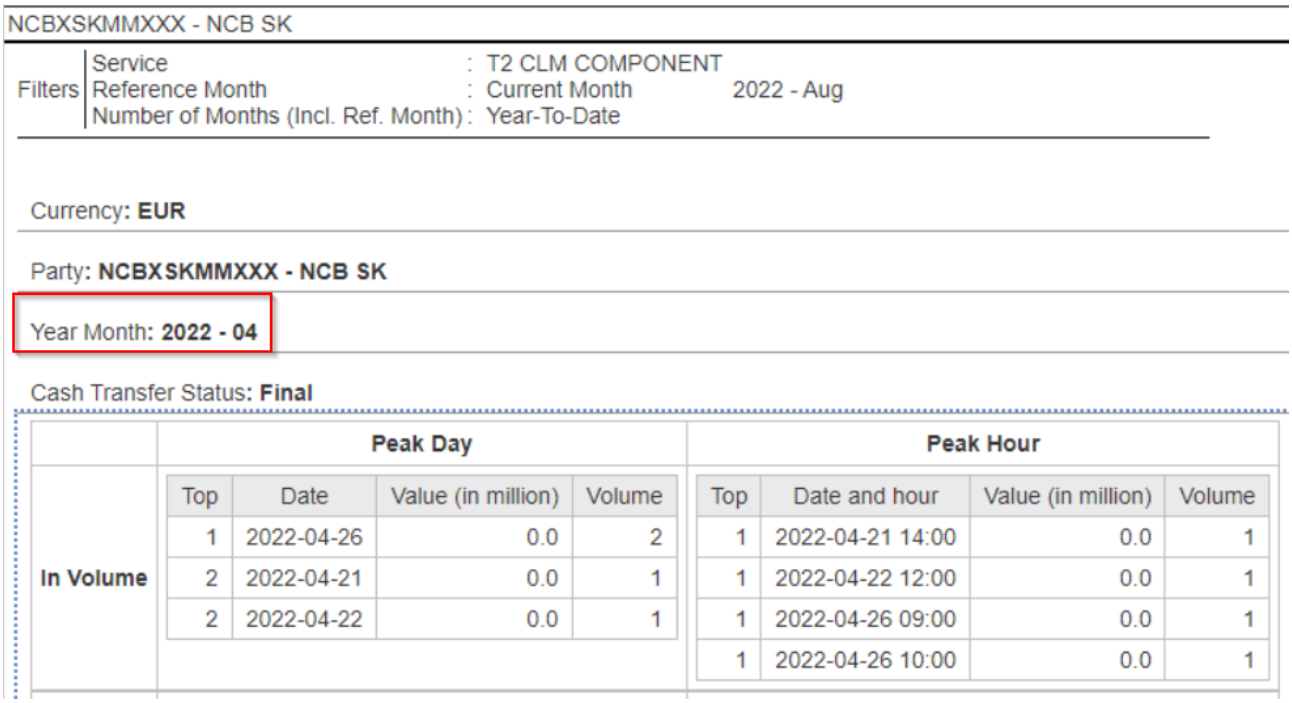



**Figure 160: Report result with data starting from April**

Ending in August 2022

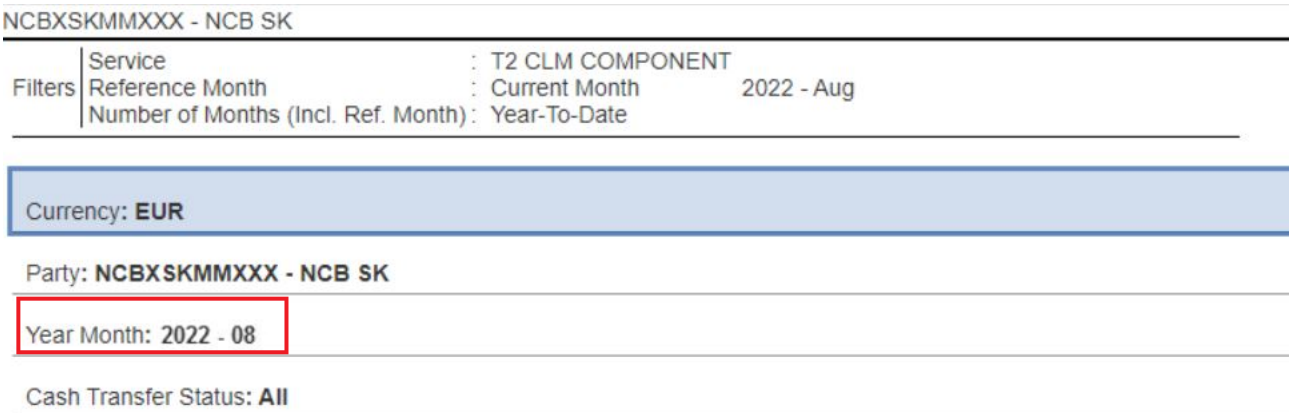



**Figure 161: Report result with data ending on August**

Which verifies that our results are correct.

Example with Last Business Date

In this example the Reference Interval option is the “Last Business Date”. By clicking on the Drop down, the user is presented with the Reference Intervals. In this example there is available “Last Business Date” and the “Prior Last Business Date”:

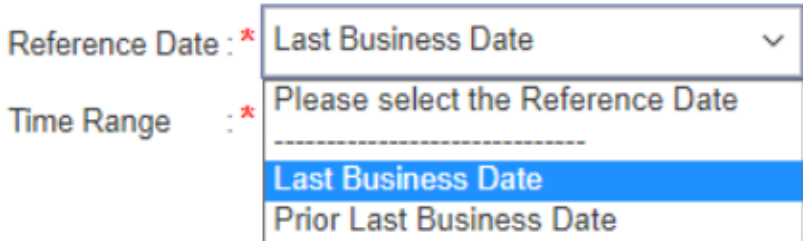



**Figure 162: Last Business Date**

The next drop down which is called “Time Range”, provides the option to go back to the past, in order to filter the results of the report for a time period. In our example the available options are “Year-To-Date”, “Quarter-To-Date”, “Month-To-Date”, “Week-To-Date” and the options “Reference Date” and – “Number of months”.

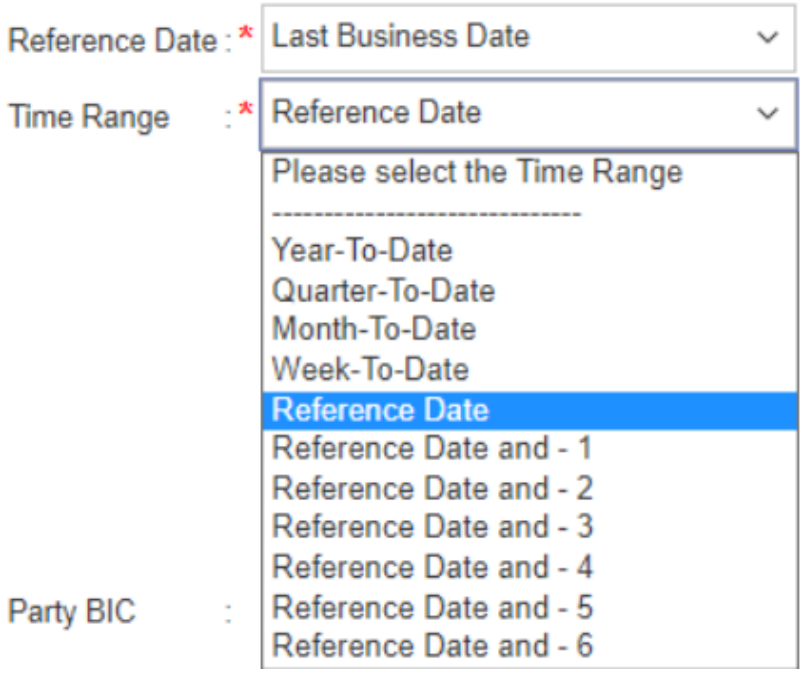



**Figure 163: Time Range options to select**

In our example that option would work as the “Period Start”.

For the sake of our example, we will choose “Last Business Date” as “Reference Date” and “Reference Date” as the “Time Range”. After the successful execution of our report, the user is presented with the following results:

All rights reserved.

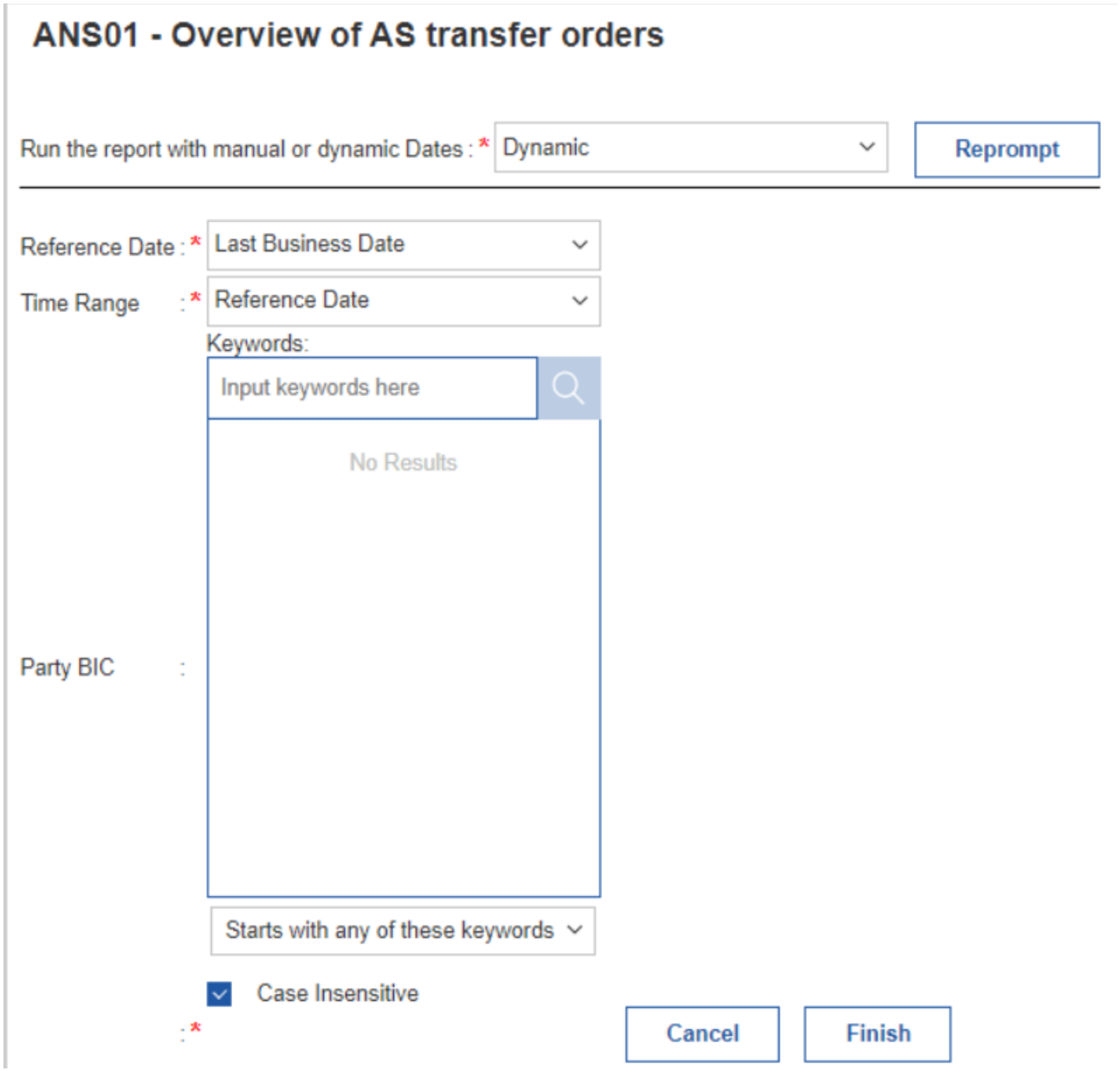



**Figure 164: Dynamic prompt selected with all reference interval**

target services

ANS01 - Overview of AS transfer orders

CBXXKMD0XXX - Central Bank of Fiction

Filters | Reference Date : Last Business Date Oct 22, 2019
Time Range : Reference Date Oct 22, 2019

Currency : EUR

| AS BIC and short name | AS Settlement procedure | Volume of AS transfer orders | | Value of AS transfer orders | |
|---|---|---|---|---|---|
| | | Settled | Not settled | Settled | Not settled |
| ASAAKMD0XXX - MetroCapital | A | 2,979,833 | 149,490 | 3,045,390,347.99 | 152,778,780 |
| | **Total** | **2,979,833** | **149,490** | **3,045,390,347.99** | **152,778,780** |

**Figure 165: Report result**

In the results the user may see in the header the values “Reference Date” set to “Last Business Date”, like the user selected in the prompt screen and shows the Last Business day available.

All rights reserved.

Furthermore we have the “Time Range” set to “Reference Date” which is the Period Start for the report.

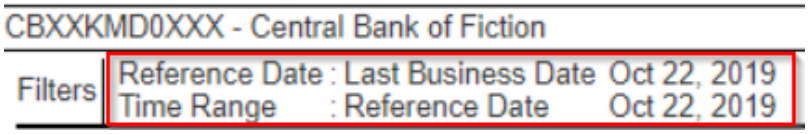



**Figure 166: Filters of report executed**

## 4.4.4 How to schedule a report with dynamic prompt

Click on “Content” > “Team content” and select the folder “Predefined Reports”. Select the folder with the Predefined reports. In our example TRN03

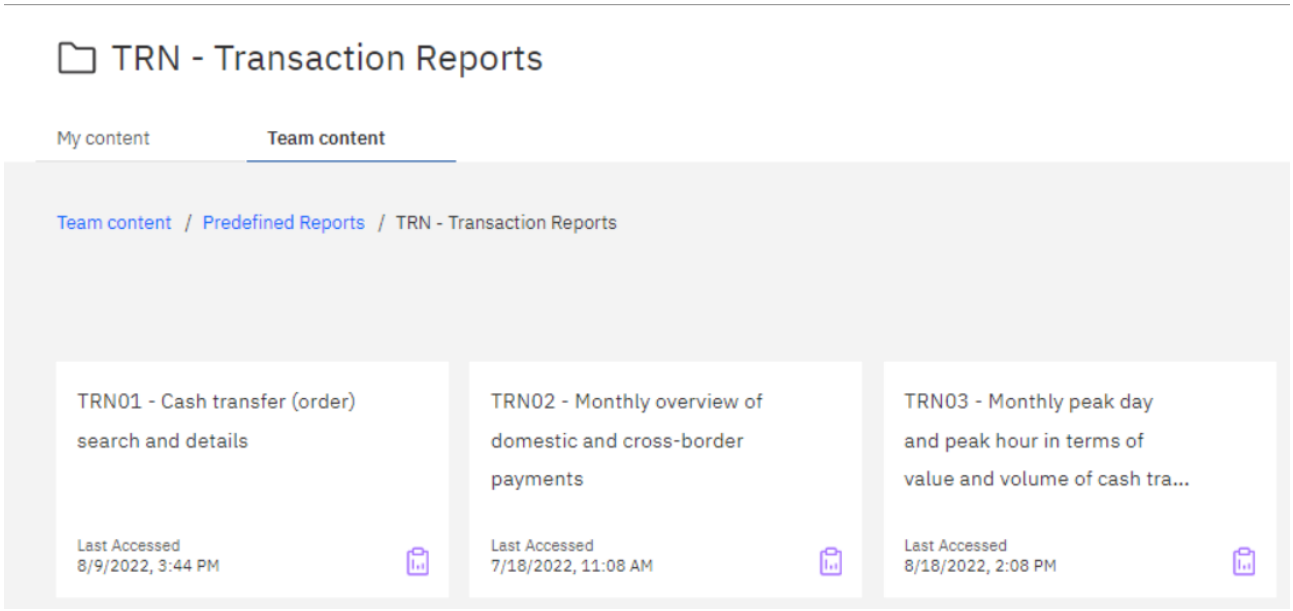



**Figure 167: Scheduling a report with Dynamic prompts**

After navigating to the report location, the user may click on the “Action menu” and select “Copy to” to copy the report to the “My content” folder.

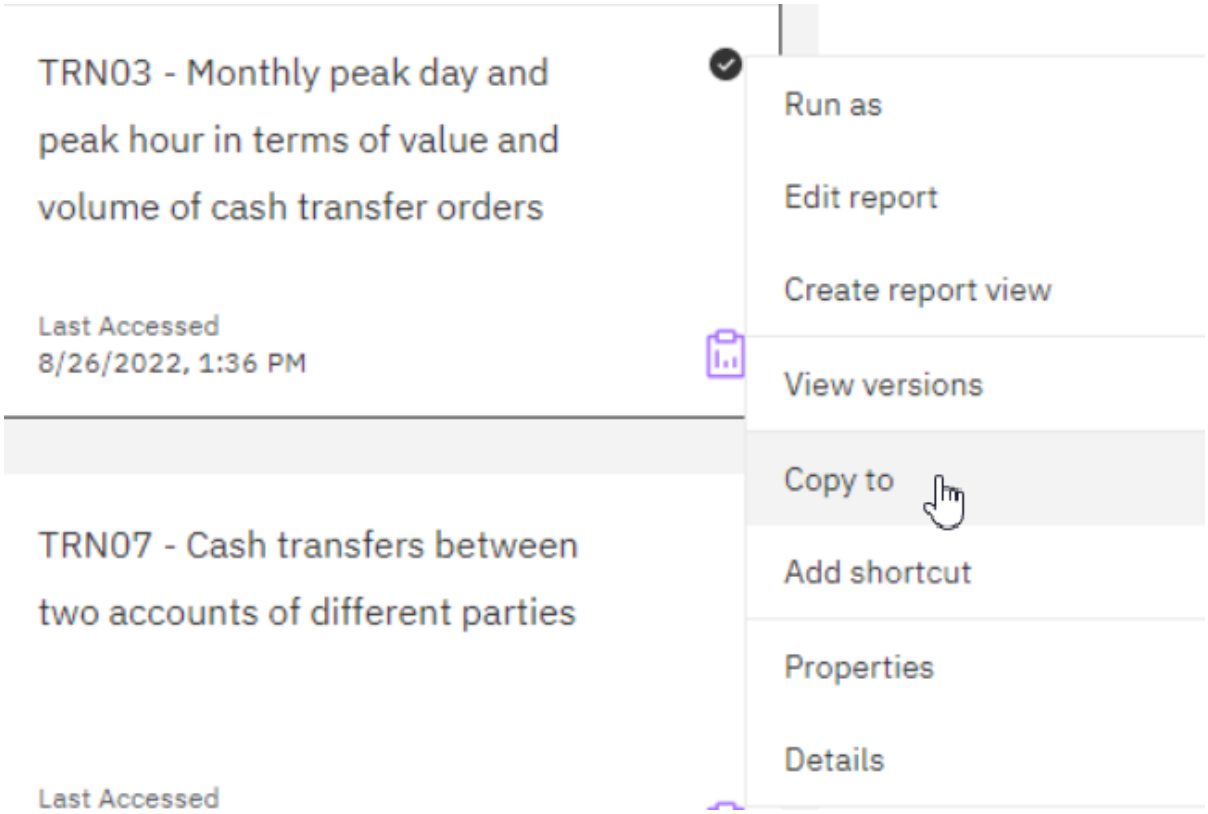



**Figure 168: Scheduling a report with Dynamic prompts - copy to my content folder**

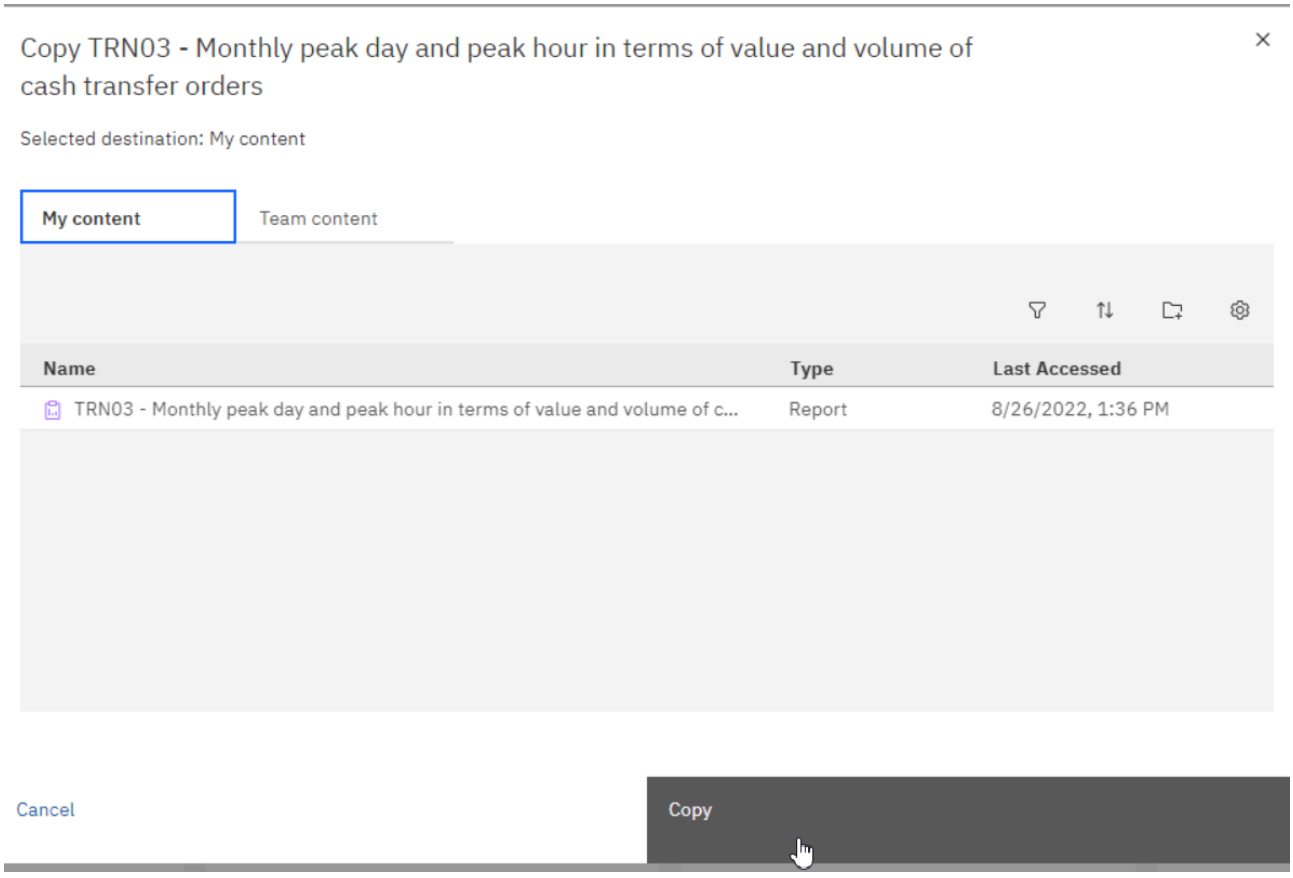



**Figure 169: Scheduling a report with Dynamic prompts - copy to my content folder**

From the “My content” folder now click again on the “Action menu” then click on “Properties”

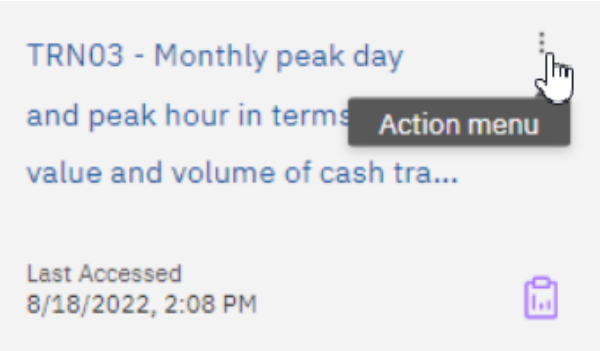



**Figure 170: Scheduling a report with Dynamic prompts - selecting Action menu in copied report**

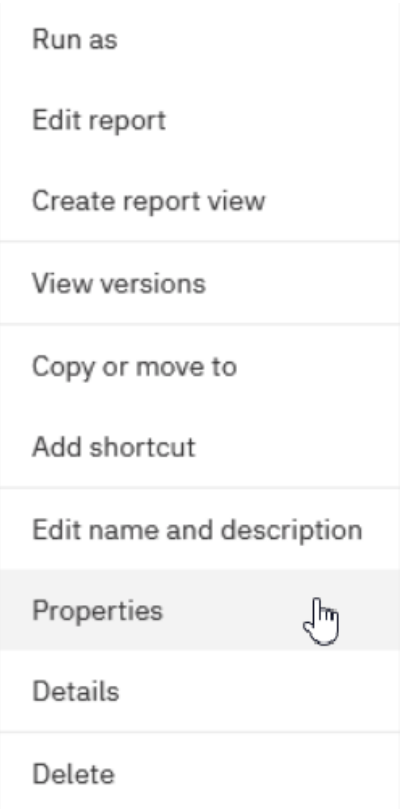



**Figure 171: Scheduling a report with Dynamic prompts - Action menu – properties**

Then, the user is shown a menu at the right side.

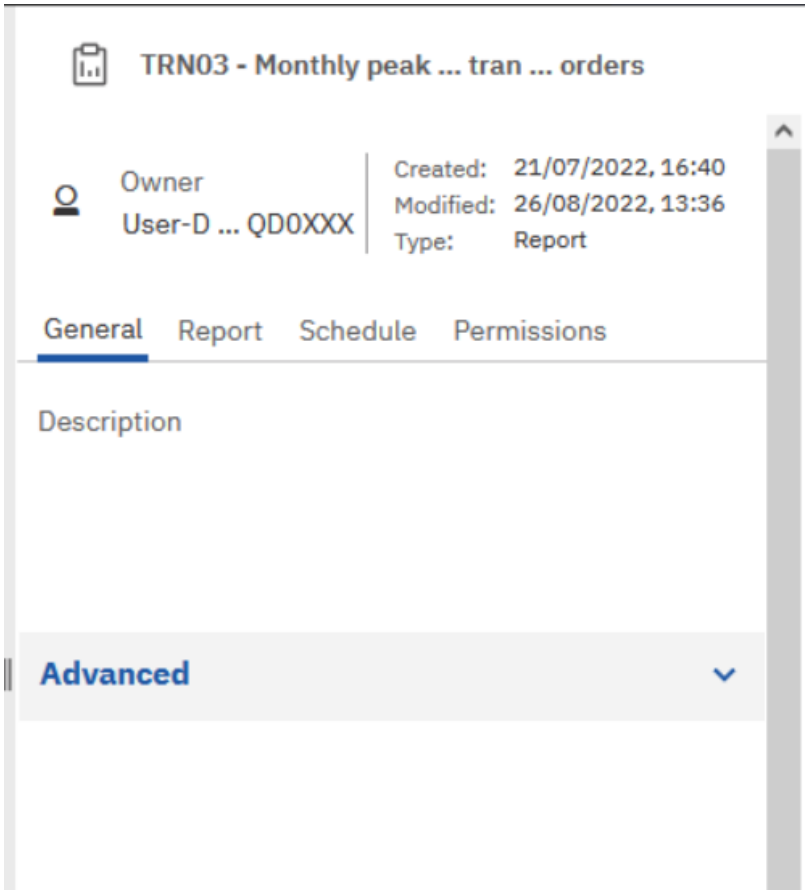



**Figure 172: Scheduling a report with Dynamic prompts - Action menu - properties menu**

By clicking on the “Schedule” tab, the user is prompted to create a new schedule:

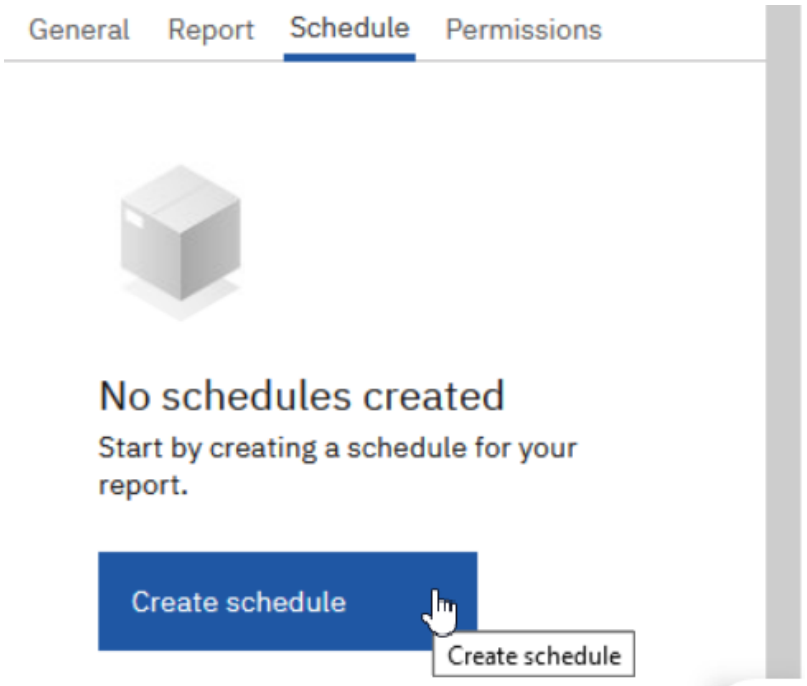



**Figure 173: Scheduling a report with Dynamic prompts - create schedule**

By clicking on the “Create schedule” button the user is presented with a window having the schedule options:

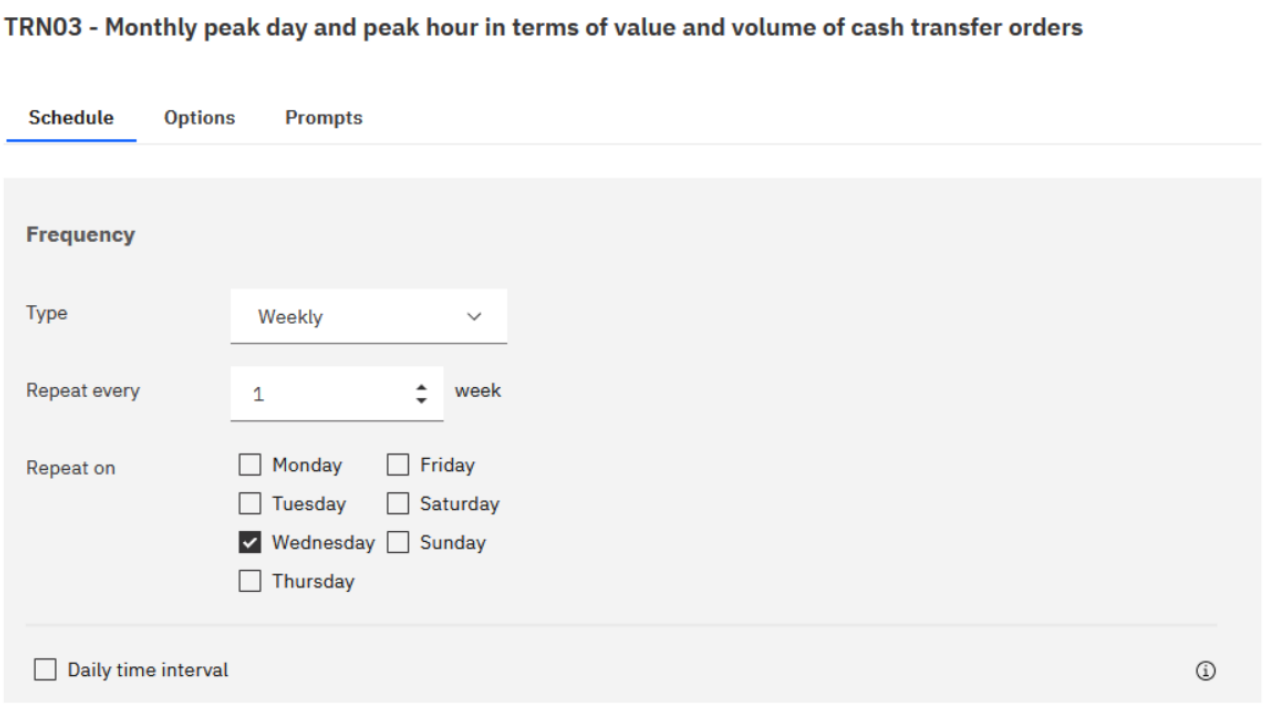



**Figure 174: Scheduling a report with Dynamic prompts - schedule menu - Schedule**

Where someone could choose how often the report should be executed. The tab “Options” provides choices regarding the format of the report:

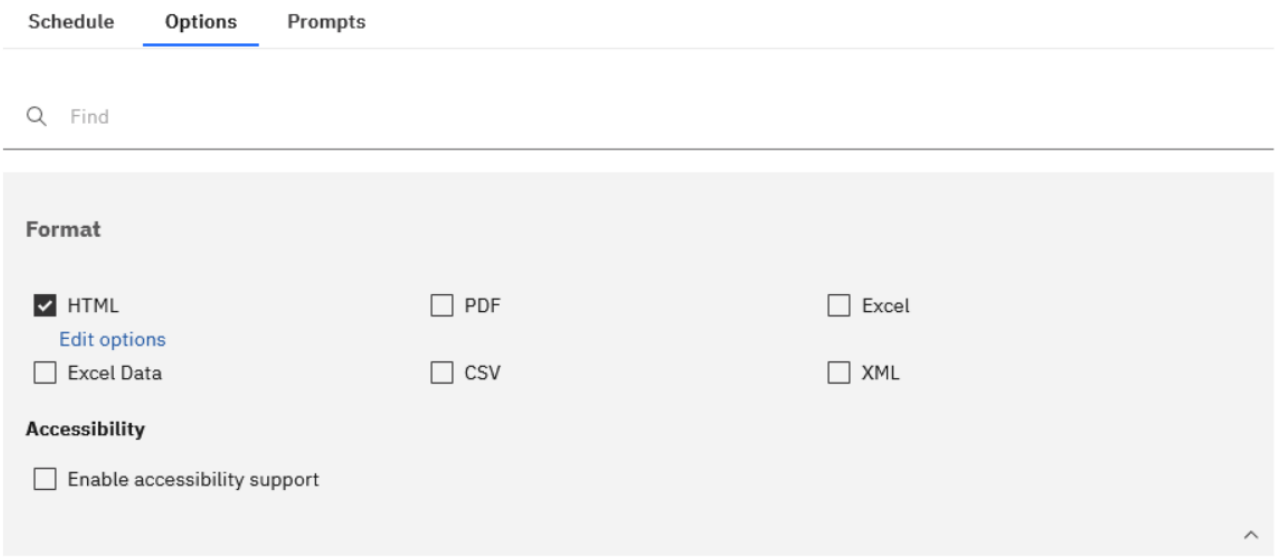



**Figure 175: Scheduling a report with Dynamic prompts - schedule menu - Options**

Finally, the tab “Prompts” allows the user to set prompts by clicking on the “Set values” button:

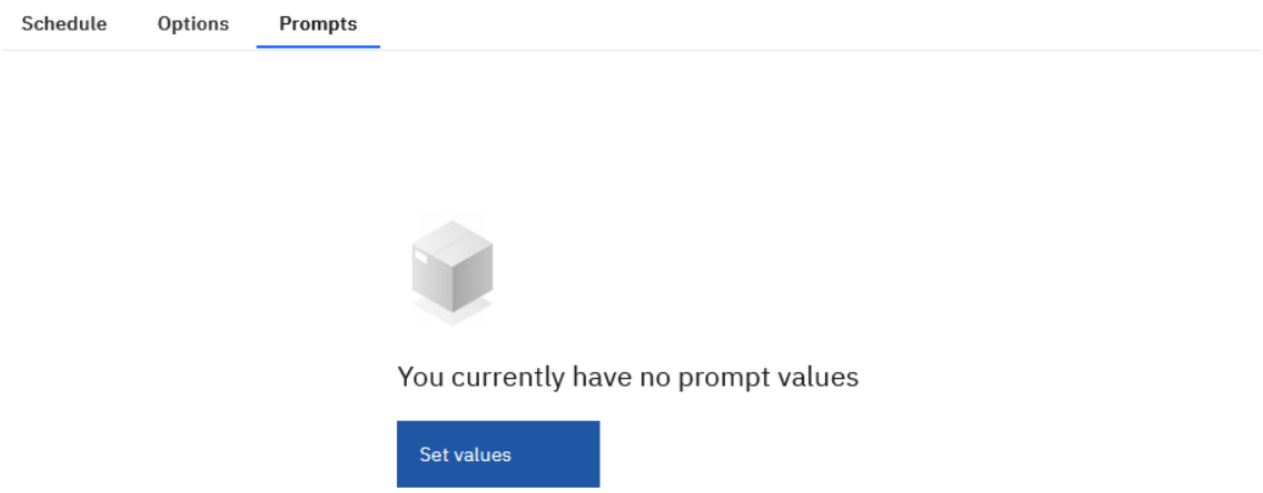



**Figure 176: Scheduling a report with Dynamic prompts - schedule menu - Prompts**

At first, the user is shown the existing “static” prompts having manual dates:

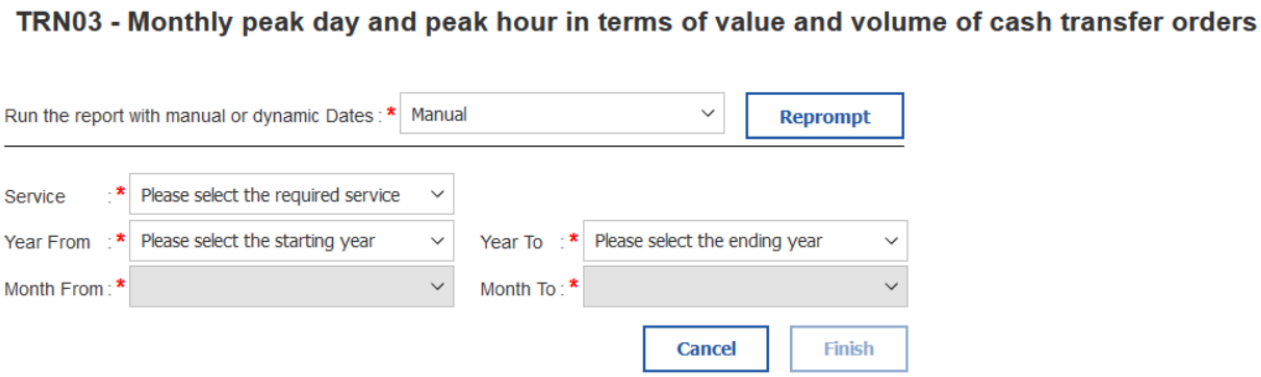



**Figure 177: Scheduling a report with Dynamic prompts - static prompt page**

In order to schedule the report using the new “dynamic dates” the user should click on the drop down “Run the report with manual or dynamic Dates:” select “Dynamic” and then click on “Reprompt” button.

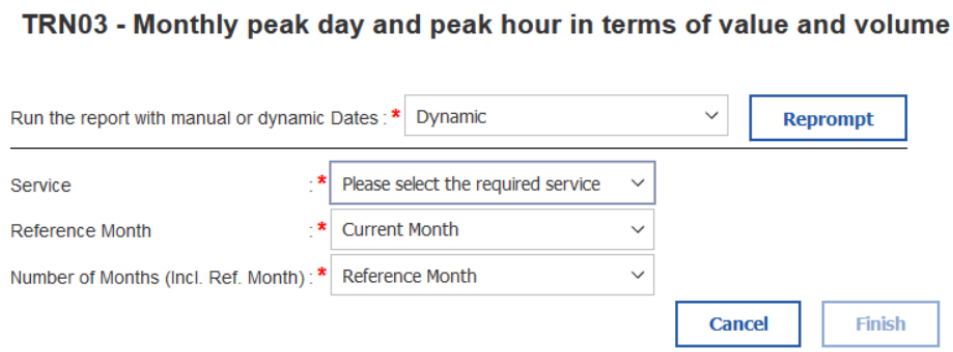



**Figure 178: Scheduling a report with Dynamic prompts - Dynamic prompt page**

In that case the user is presented to the dynamic date prompts, where you could select the new available options. In our example, let us use the Service “T2 CLM” and “Current Month” as the Reference Month, and “Year-To-Date” as the “Number of Months (Incl. Ref. Month)”.

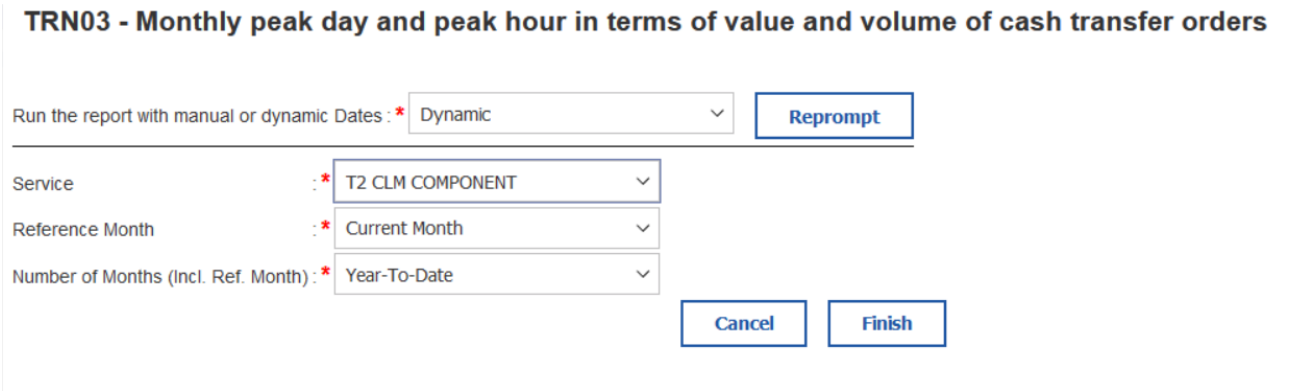



**Figure 179: Scheduling a report with Dynamic prompts - Dynamic prompt page with reference intervals selected**

After clicking on “Finish”, the user is shown a window with the choices made:

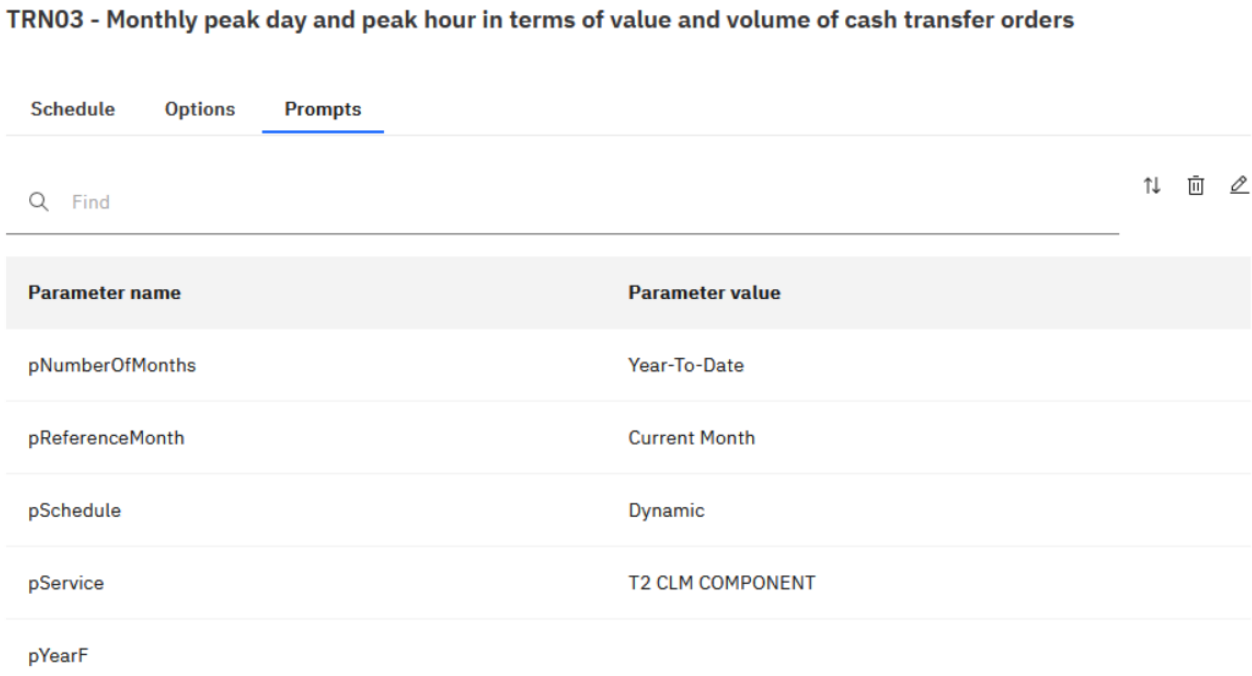



**Figure 180: Scheduling a report with Dynamic prompts - Dynamic prompt page with reference intervals selected**

And by clicking on “Save” button

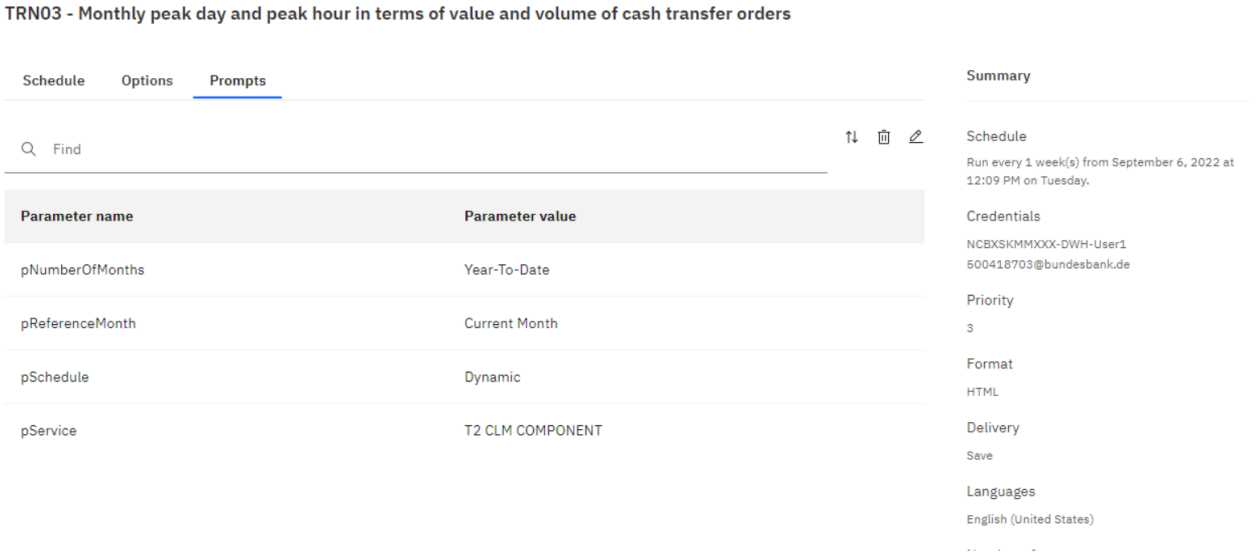



**Figure 181: Scheduling a report with Dynamic prompts - Dynamic prompt page with reference intervals selected**

The choices are saved and the Schedule is created:

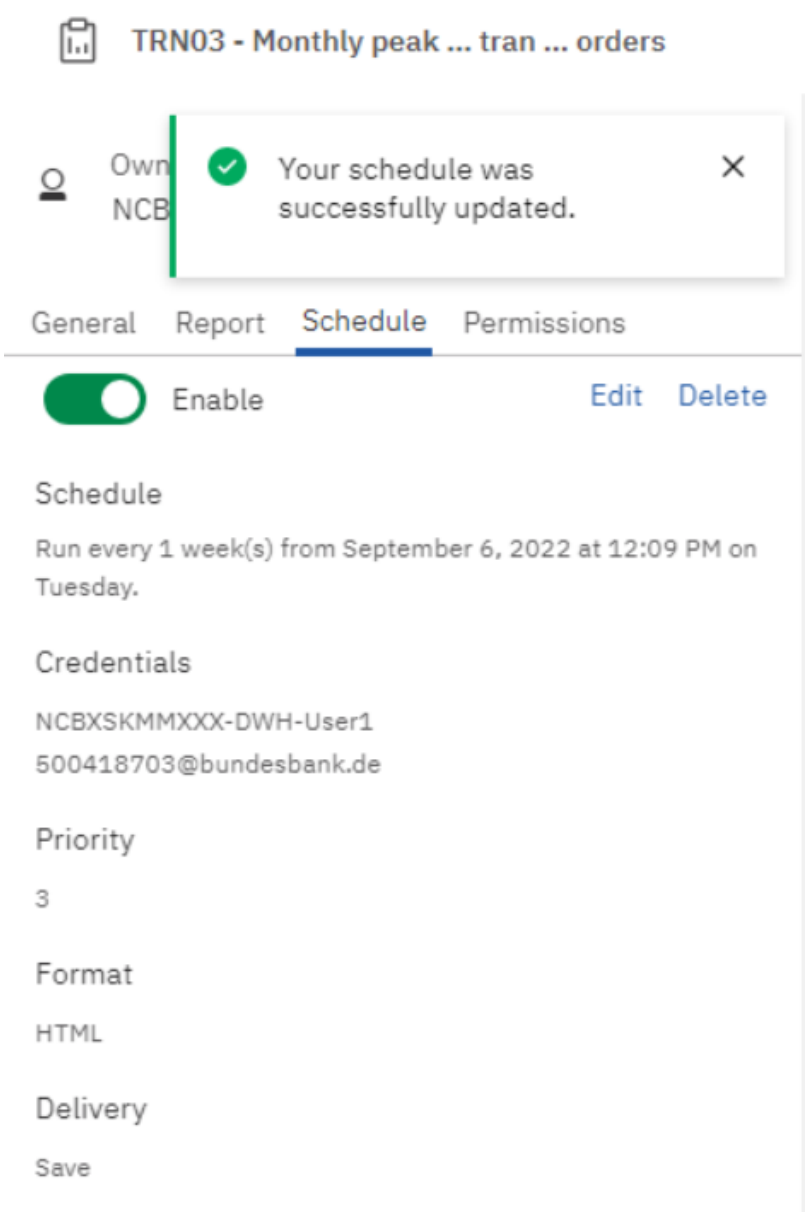



**Figure 182: Scheduling a report with Dynamic prompts - successfully created**

# 5 Predefined reports

## 5.1 Ancillary systems reports (ANS)

### 5.1.1 ANS01 - Overview of AS transfer orders

**Context of usage**

The report ANS01 provides information on the total volume and value of AS transfer orders differentiated by AS name and BIC that were settled (or not settled) on (or within) a given date (range).

CBs can retrieve information for AS belonging to their system entity.

This report can be used by CB and AS users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [ANS – Ancillary System Reports] >> [ANS01]

**Screenshot – prompt**

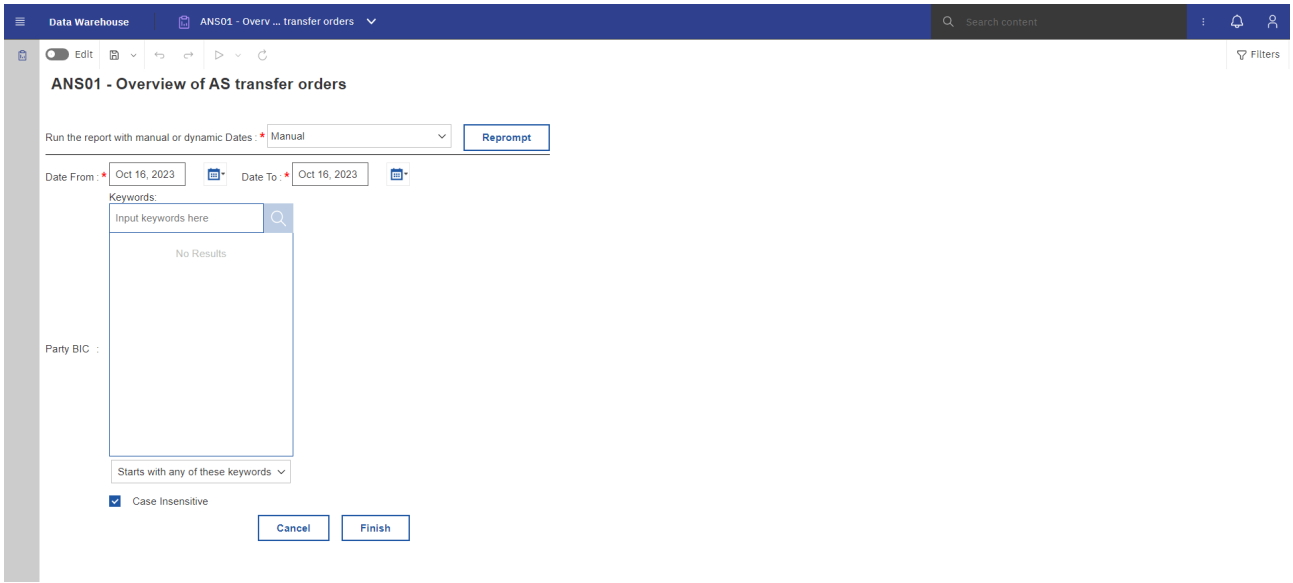



**Figure 183: ANS01 prompt – Manual**

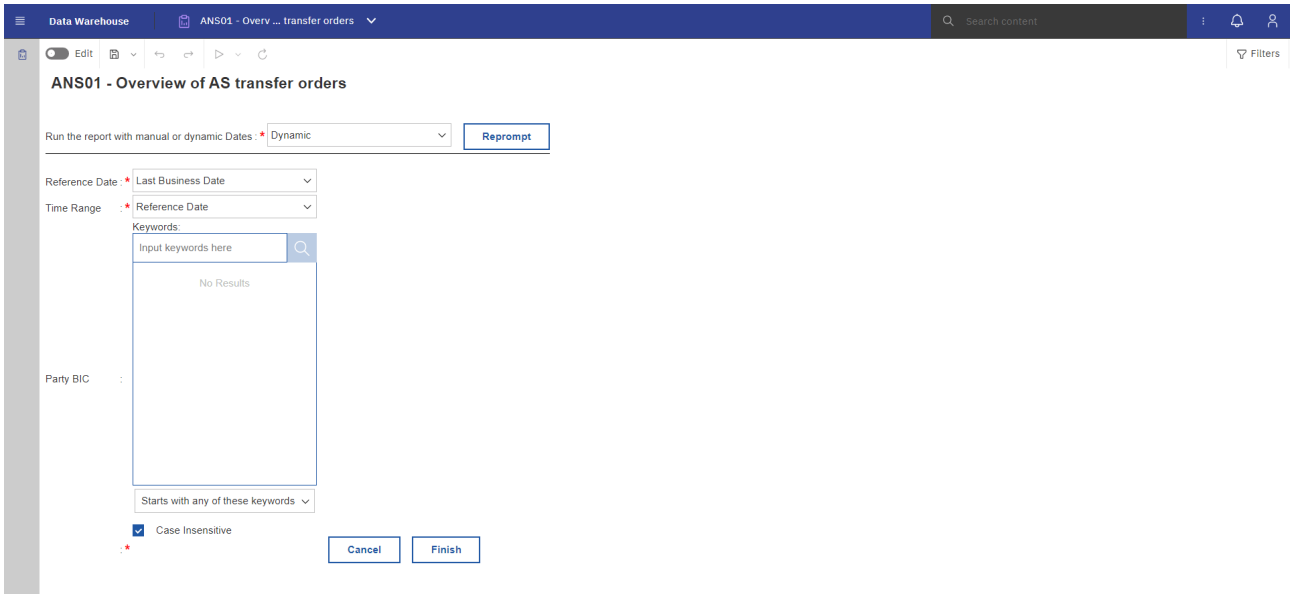



**Figure 184: ANS01 prompt - Dynamic**

## Prompt description

| **ANS01 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all party BICs within the data scope of the user's party.<br>This field is optional. |

**Table 1: ANS01 - Report description - Prompt screen - Manual**

| **ANS01 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data. |

| | |
|---|---|
| | Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all party BICs within the data scope of the user's party.<br>This field is optional. |

**Table 2: ANS01 - Report description - Prompt screen - Dynamic**

## Screenshot - output screen

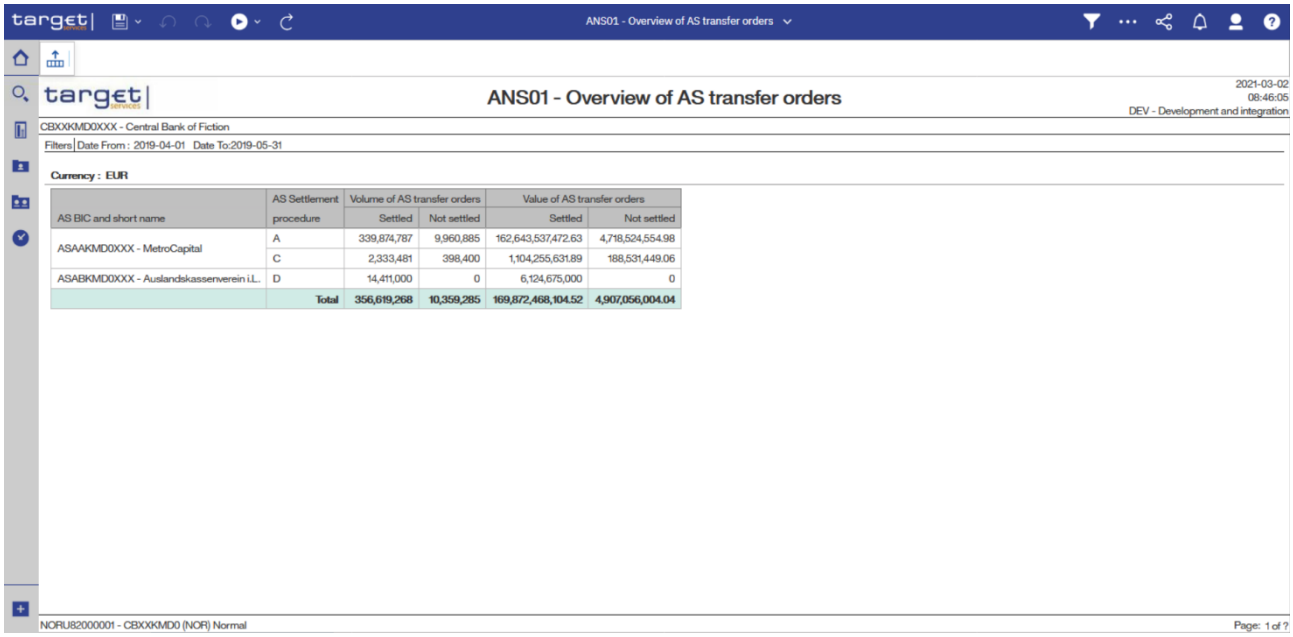



**Figure 185: ANS01 output**

## Output description

| **ANS01 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| AS BIC and short name | BIC and short name of the AS |
| AS settlement procedure | AS settlement procedure |

| | |
|---|---|
| | Possible Values:<br>A, B, C, D, E |
| Volume of AS transfer orders – Settled | Number of AS transfer orders which were settled or partially settled for the respective AS in the chosen date range is reflected. |
| Volume of AS transfer orders – Not settled | Number of AS transfer orders which were not settled (i.e. cancelled (revoked) or rejected) for the respective AS in the chosen date range. |
| Value of AS transfer orders – Settled | Sum of amounts of all AS transfer orders which were settled or partially settled for the respective AS in the chosen date range. |
| Value of AS transfer orders – Not settled | Sum of amounts of all AS transfer orders which were not settled (i.e. cancelled (revoked) or rejected) for the respective AS in the chosen date range. |

**Table 3: ANS01 - Report description - Output screen**

### 5.1.2 ANS02 - Daily average of AS transfers

**Context of usage**

The report ANS02 provides information on the daily average volume and value of AS transfers settled within a given month (range) and differentiated by system entity/CB.

CBs can retrieve aggregated volume and value information for each system entity/CB.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [ANS – Ancillary System Reports] >> [ANS02]

**Screenshot – prompt**

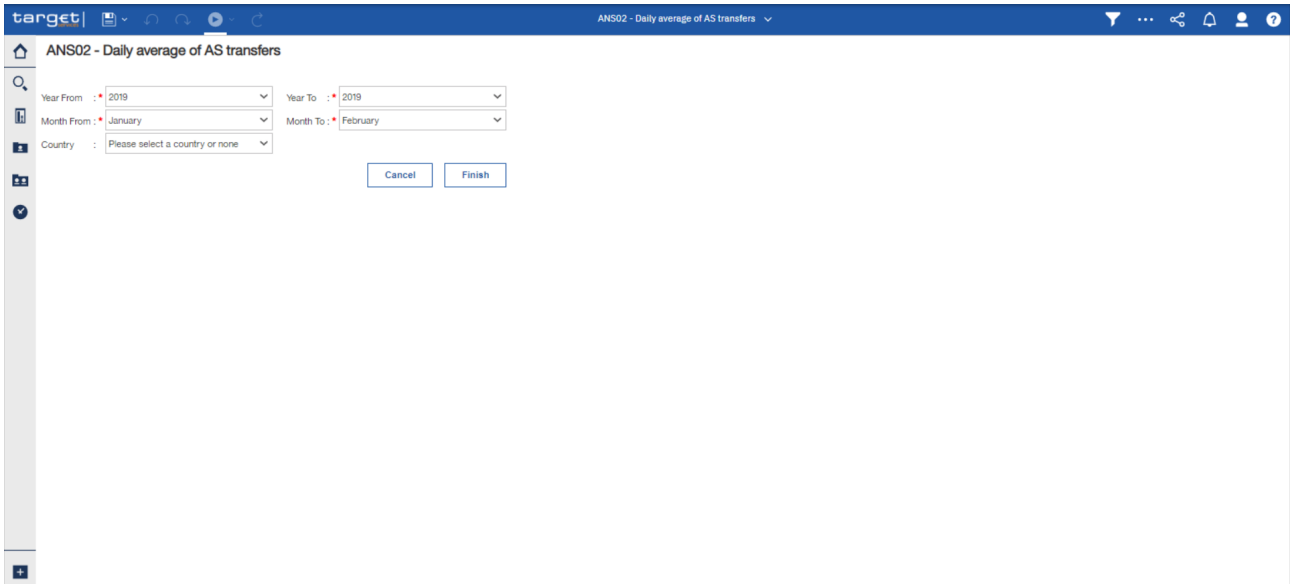



**Figure 186: ANS02 Prompt**

## Prompt description

| **ANS02 – Report description – prompt screen** | |
|---|---|
| **Field label** | **Description** |
| Year From | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Month From | You can use this drop-down field to select the month, from which the report should contain the data.<br>For valid report result, the current month cannot be selected.<br>This field is mandatory. |
| Year To | You can use this drop-down field to select the end year, for which the report should contain the data.<br>This field is mandatory. |
| Month To | You can use this drop-down field to select the end month, for which the report should contain the data.<br>For valid report result current month cannot be selected.<br>This field is mandatory. |
| Country Code | You can select the Country Code of the related Party.<br>This field is optional. |

**Table 4: ANS02 - Report description - Prompt screen**

## Screenshot - output screen

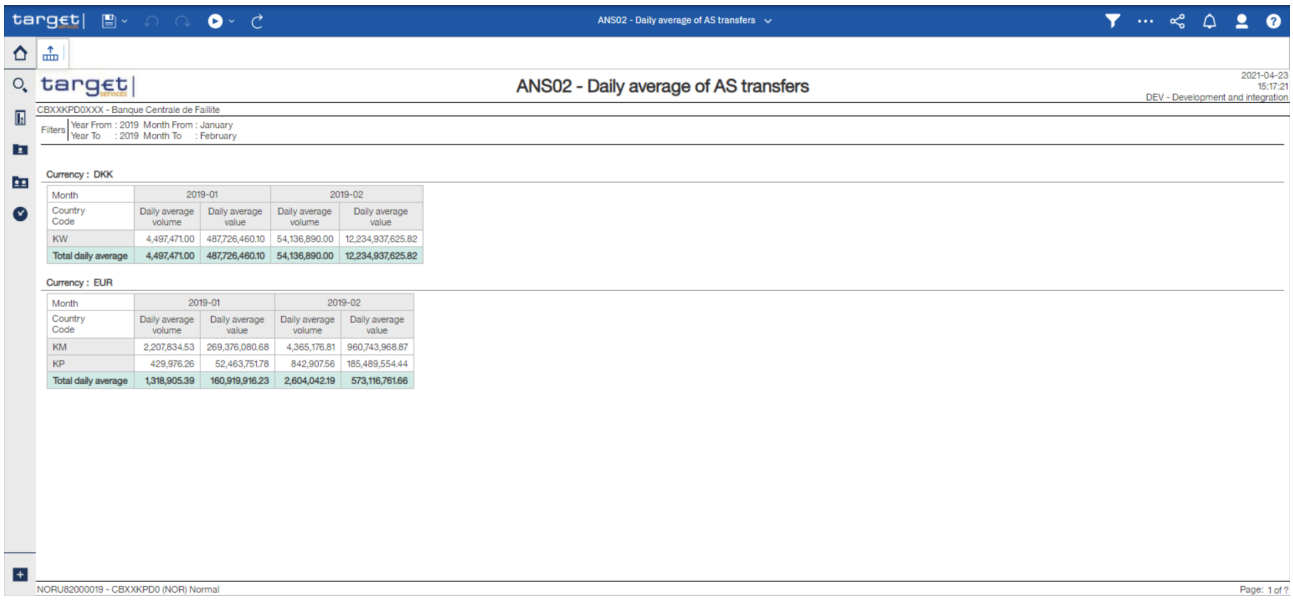



**Figure 187: ANS02 output**

## Output description

**ANS02 – Report description – output screen**

The output table will be repeated for each currency and for every selected month in the search prompt. It is sorted by country code.

| Field label | Description |
|---|---|
| Month | Month and Year<br>AS transfer orders which were settled or partially settled within the scope of the respective CB during this month are reflected. |
| Country Code | Country Code for all available CBs or for the one selected in the search prompt. |
| Daily average volume | Daily average AS transfer volume for this CB in this month. |
| Daily average value | Daily average AS transfer value for this CB in this month. |
| Total daily average volume | The total daily average for a month as sum of daily averages for all CBs divided by the number of CBs. |
| Total daily average value | The total daily average for a month as sum of daily averages for all CBs divided by the number of CBs. |

**Table 5: ANS02 - Report description - Output screen**

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# 5.2 Business day reports (BDY)

## 5.2.1 BDY01 - Business Day event/delay information on settlement opening time

**Context of usage**

This report provides information on the daily timing of business day events and on delays in periods of the business Day for CLM or RTGS.

For each time-based event of a respective business day the report provides information as regards the planned time, the revised time and the effective time. For events that are not time-based the report will only provide an effective time. In case of currency-specific events the event times are provided separate per currency.

Based on the timing of the business Day events, the report calculates the daily opening time for settlement as well as the total number and the duration of delays in CLM or RTGS.

The report is available for a given date (range).

This report can be used by CB, PB and AS users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BDY – Business Day Reports] >> [BDY01]

**Screenshot – prompt**

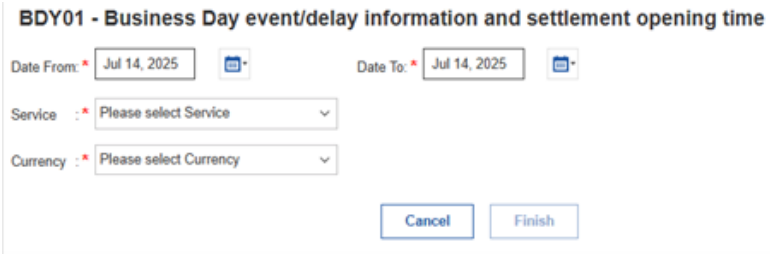



**Figure 188: BDY01 prompt**

**Prompt description**

| BDY01 – Report description – prompt screen | |
|---|---|
| **Field label** | **Description** |
| Service | Service for which the data shall be displayed.<br>Possible values: |

| | |
|---|---|
| | All<br>RTGS<br>CLM<br>This field is mandatory. |
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | Choose the currency, for which you want to generate the report. |

**Table 6: BDY01 - Prompt description**

## Screenshot - output screen

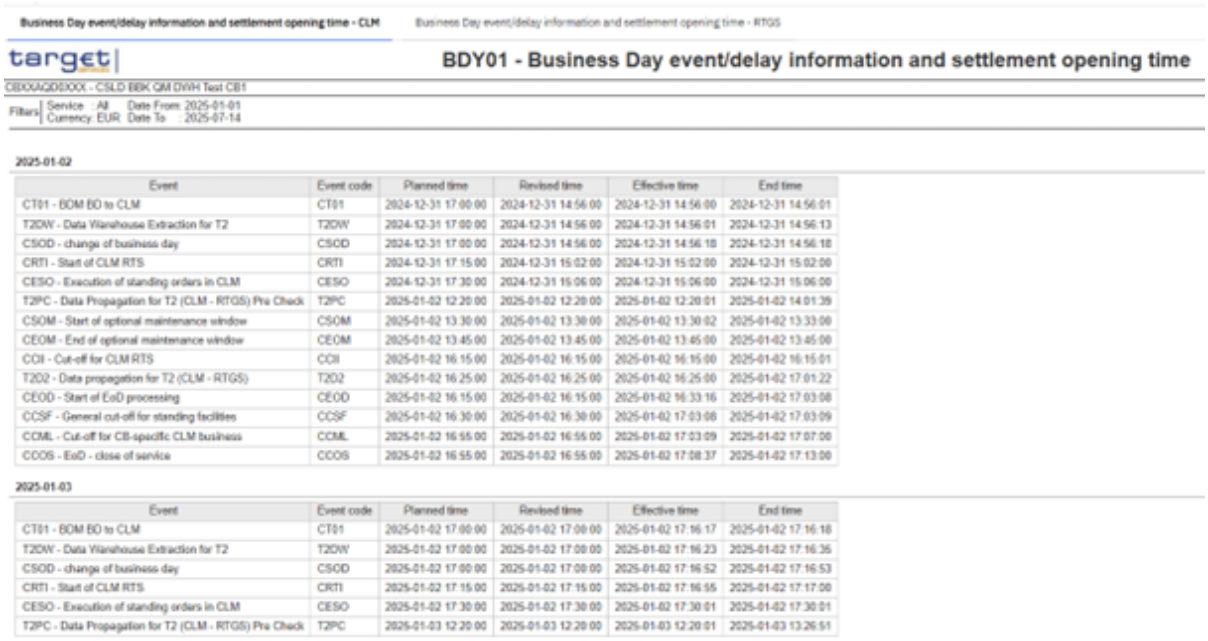



**Figure 189: BDY01 Output (1)**

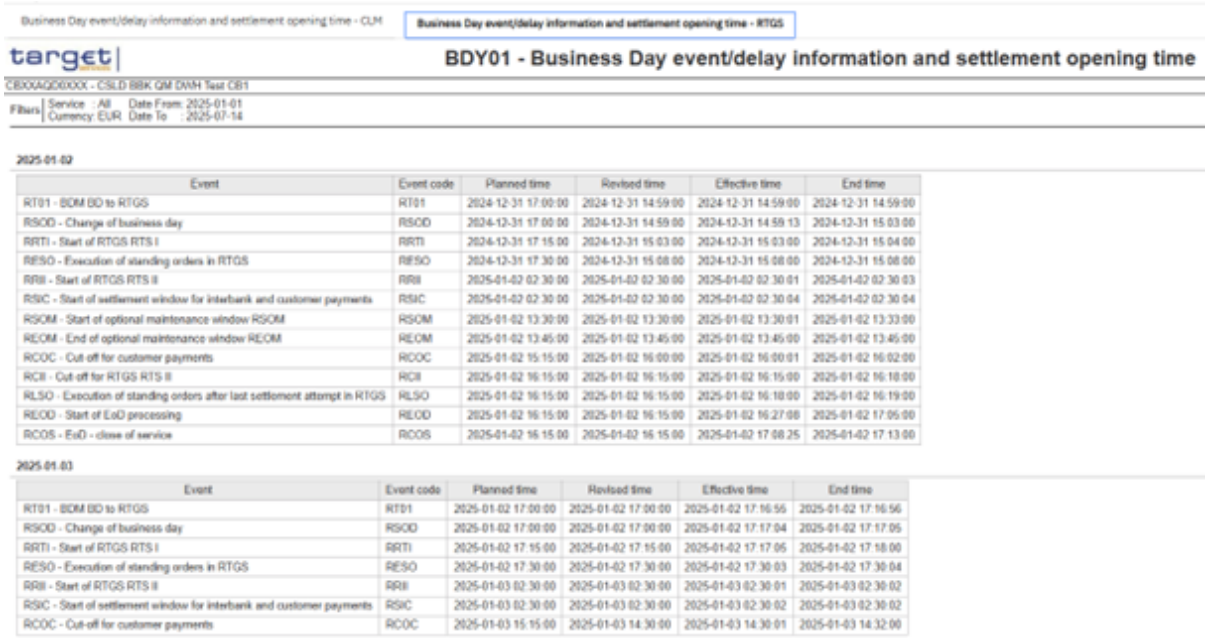



**Figure 190: BDY01 Output (2)**

## Output description

| BDY01 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Event | Description of the business day event. |
| Event code | The event code as delivered by the CLM or RTGS service. The list of events is not static because the set of events may change.<br>For a list of currently valid events, please see CLM and RTGS UDFS. |
| Planned time | The planned time corresponds to the standard schedule applied by default.<br>Only for time-based events.<br>For non-time based events this field is empty. |
| Revised time | The revised time is the foreseen time for the current business day, which usually coincides with the planned time except when a delay has occurred.<br>Only for time-based events.<br>For non-time based events this field is empty. |
| Effective time | The effective time is the time of the actual occurrence of the event during the current business day. It is the time, when the BDM (Business Day Management) sent the trigger to CLM or RTGS. |

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| | |
|---|---|
| End time | The end time is the time, when CLM or RTGS informed the BDM, that the processes for this event have been finished. |

**Table 7: BDY01 - Output description**

# 5.3 Billing reports (BIL)

## 5.3.1 BIL01 - Consumption data

**Context of usage**

This report provides aggregated information on consumption data for a selected period **per service** and **charged party at the level of service item**. It provides a monthly view on the quantity per service item and the share (in %) compared to the whole system entity's quantity. CBs can retrieve information on the aggregated consumption data of those parties belonging to their system entity.

Additionally, the report provides the sums over all parties per service item and service for the system entity.

This report does not contain any ECMS billing data as ECMS is aggregating the data itself on a monthly basis and afterwards these are delivered to BILL.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BIL – Billing Reports] >> [BIL01]

**Screenshot – prompt**

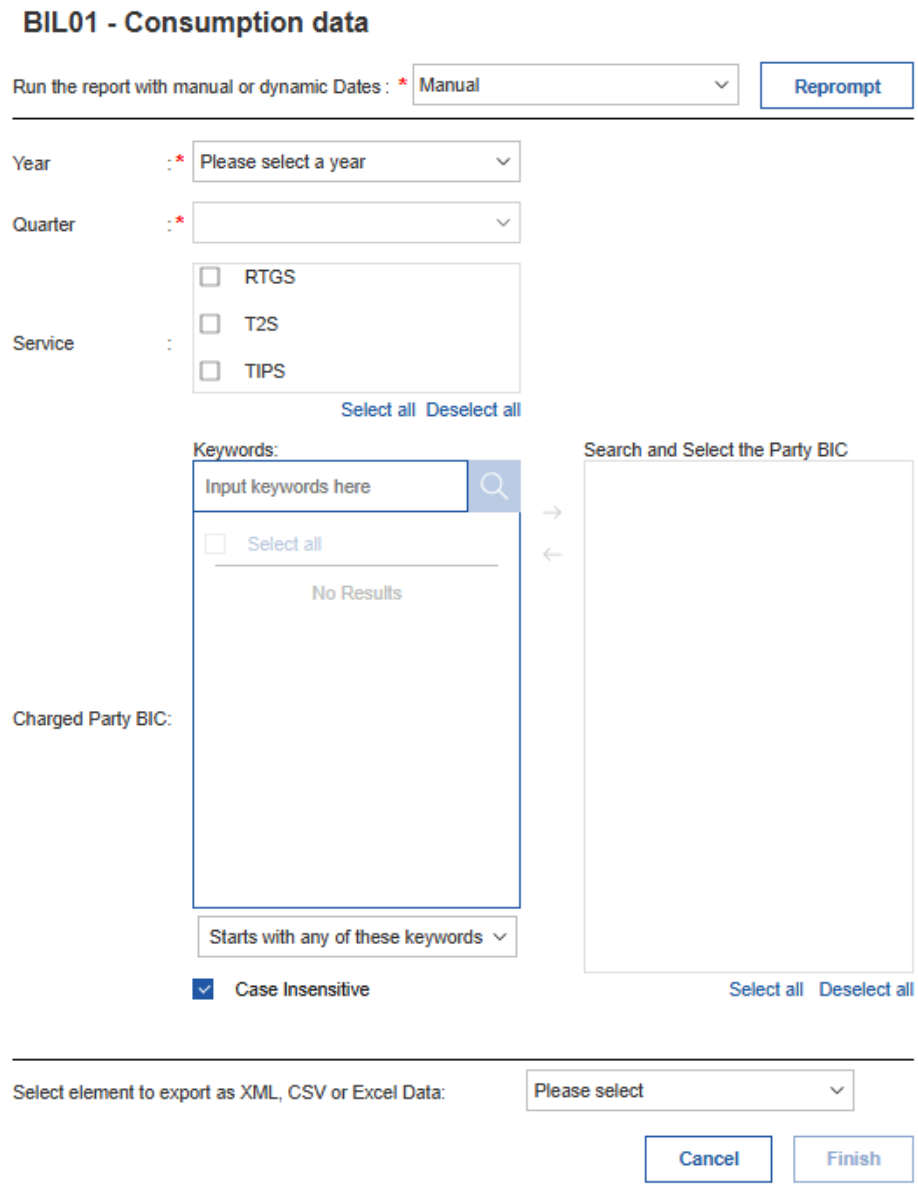



**Figure 191: BIL01 prompt – Manual**

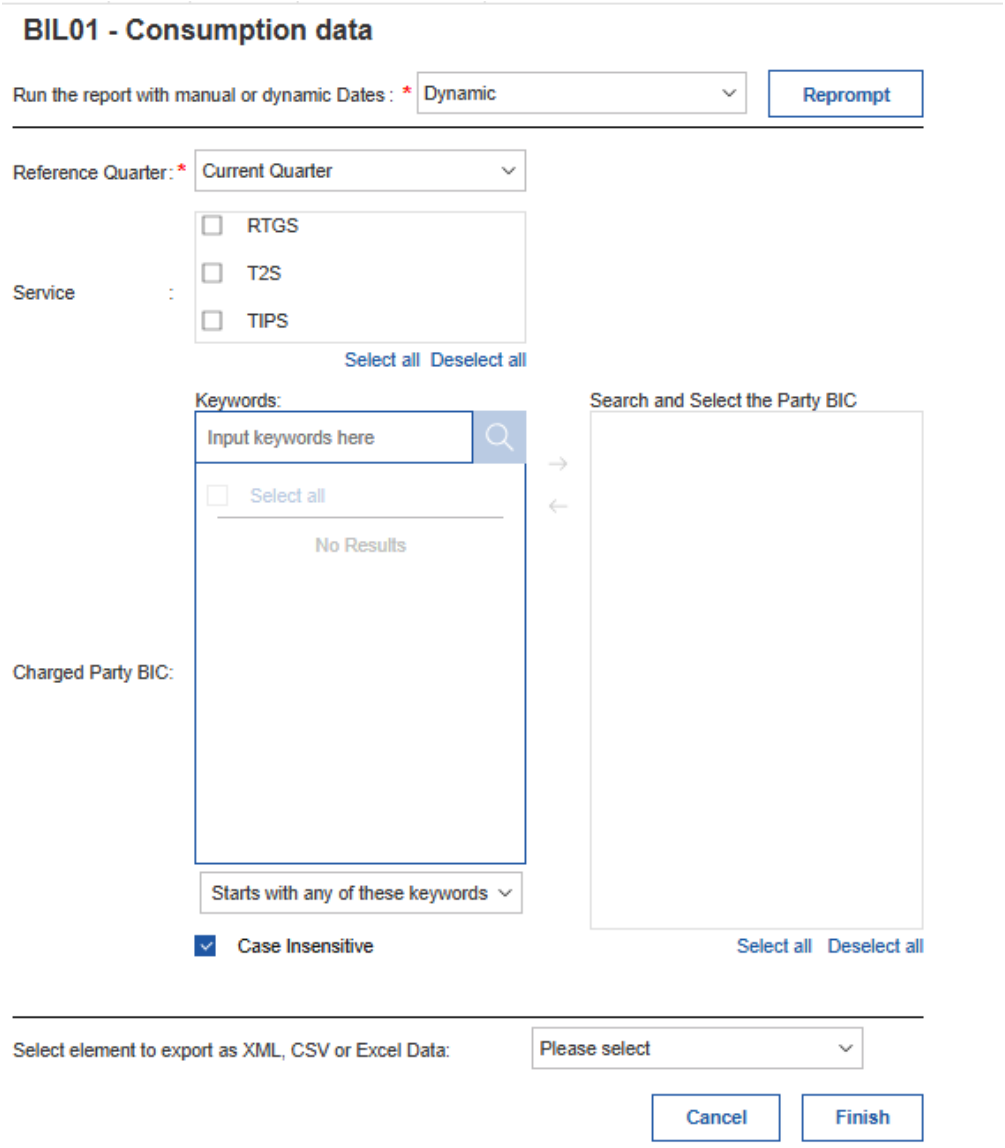



**Figure 192: BIL01 prompt - Dynamic**

## Prompt description

| BIL01 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Quarter | You can use this drop-down field to select the quarter, for which the report should show the data.<br>This field is mandatory |

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| | |
|---|---|
| Charged party BIC | You can use this search and select prompt to be able to search for the party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Service | Service for which the data shall be displayed.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S<br>This field is optional |
| Select element to export as XML, CSV or Excel Data | - Per service<br>- System entity wide sums per service<br>This field is optional. |

**Table 8: BIL01 - Prompt description - Manual**

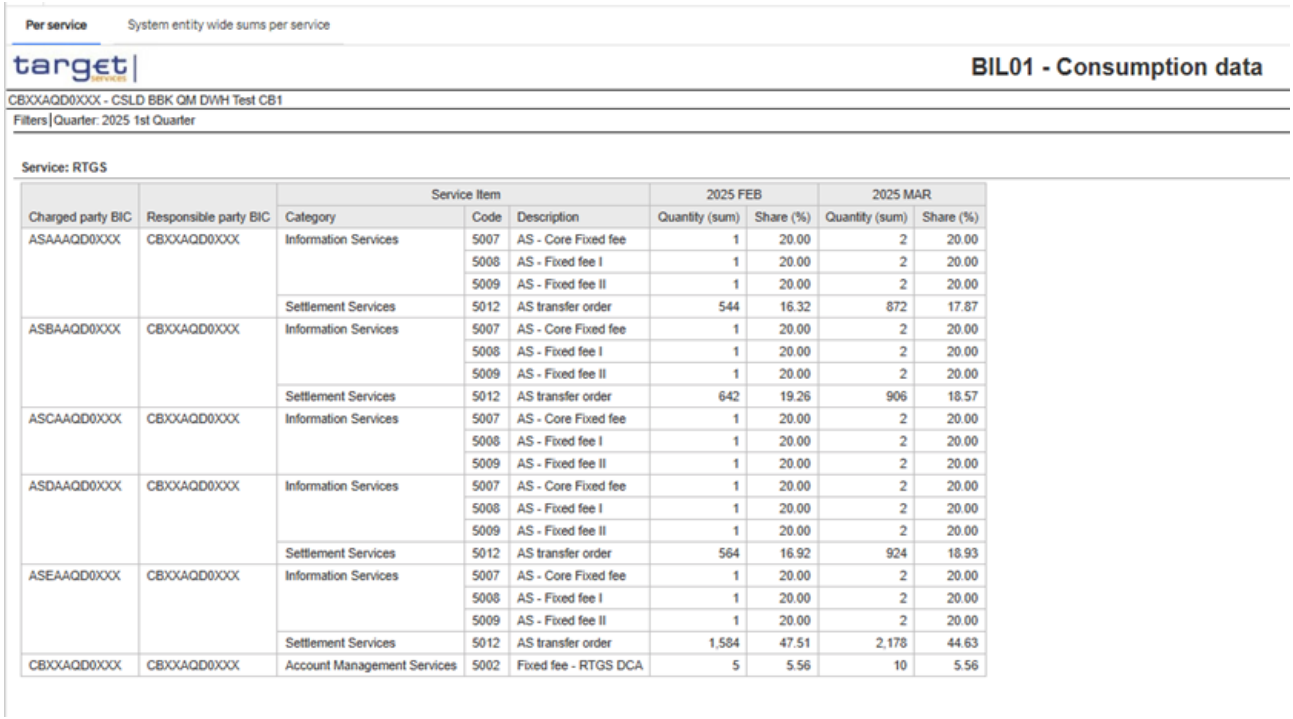
| **BIL01 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Quarter | Reference Quarter for which the data shall be displayed.<br>Possible values:<br>- Current Quarter<br>- Previous Quarter<br>This field is mandatory. |
| Charged party BIC | You can use this search and select prompt to be able to search for the party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Service | Service for which the data shall be displayed.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S<br>This field is optional. |

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| | |
|---|---|
| Select element to export as XML, CSV or Excel Data | Per service<br>System entity wide sums per service<br>This field is optional. |

**Table 9: BIL01 - Prompt description - Dynamic**

## Screenshot - output screen



Per service | System entity wide sums per service

target services — BIL01 - Consumption data

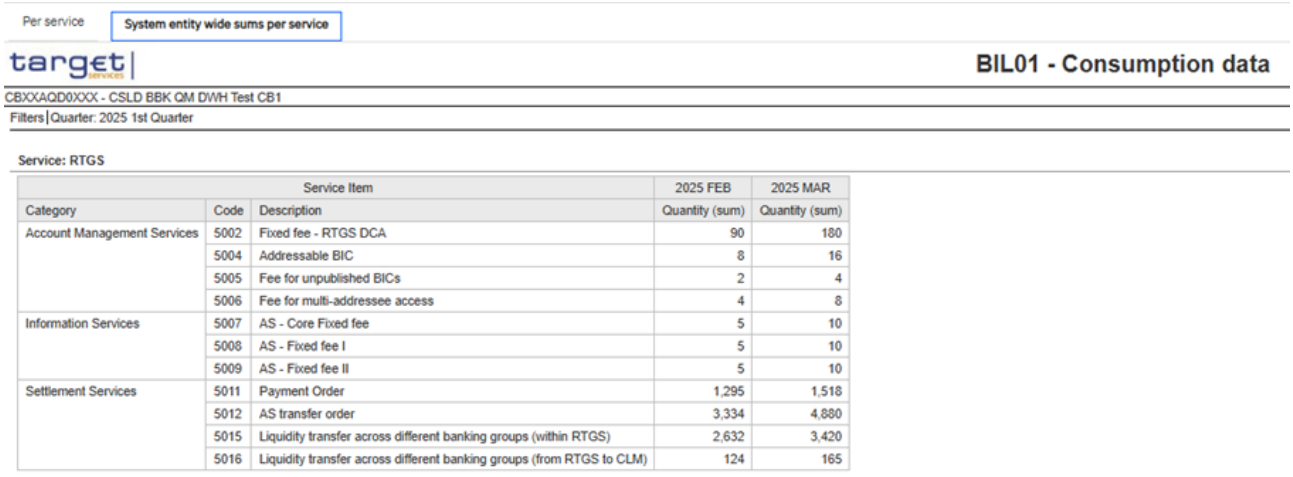
CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Quarter: 2025 1st Quarter

Service: RTGS

| | | Service Item | | | 2025 FEB | | 2025 MAR | |
|---|---|---|---|---|---|---|---|---|
| Charged party BIC | Responsible party BIC | Category | Code | Description | Quantity (sum) | Share (%) | Quantity (sum) | Share (%) |
| ASAAAQD0XXX | CBXXAQD0XXX | Information Services | 5007 | AS - Core Fixed fee | 1 | 20.00 | 2 | 20.00 |
| | | | 5008 | AS - Fixed fee I | 1 | 20.00 | 2 | 20.00 |
| | | | 5009 | AS - Fixed fee II | 1 | 20.00 | 2 | 20.00 |
| | | Settlement Services | 5012 | AS transfer order | 544 | 16.32 | 872 | 17.87 |
| ASBAAQD0XXX | CBXXAQD0XXX | Information Services | 5007 | AS - Core Fixed fee | 1 | 20.00 | 2 | 20.00 |
| | | | 5008 | AS - Fixed fee I | 1 | 20.00 | 2 | 20.00 |
| | | | 5009 | AS - Fixed fee II | 1 | 20.00 | 2 | 20.00 |
| | | Settlement Services | 5012 | AS transfer order | 642 | 19.26 | 906 | 18.57 |
| ASCAAQD0XXX | CBXXAQD0XXX | Information Services | 5007 | AS - Core Fixed fee | 1 | 20.00 | 2 | 20.00 |
| | | | 5008 | AS - Fixed fee I | 1 | 20.00 | 2 | 20.00 |
| | | | 5009 | AS - Fixed fee II | 1 | 20.00 | 2 | 20.00 |
| ASDAAQD0XXX | CBXXAQD0XXX | Information Services | 5007 | AS - Core Fixed fee | 1 | 20.00 | 2 | 20.00 |
| | | | 5008 | AS - Fixed fee I | 1 | 20.00 | 2 | 20.00 |
| | | | 5009 | AS - Fixed fee II | 1 | 20.00 | 2 | 20.00 |
| | | Settlement Services | 5012 | AS transfer order | 564 | 16.92 | 924 | 18.93 |
| ASEAAQD0XXX | CBXXAQD0XXX | Information Services | 5007 | AS - Core Fixed fee | 1 | 20.00 | 2 | 20.00 |
| | | | 5008 | AS - Fixed fee I | 1 | 20.00 | 2 | 20.00 |
| | | | 5009 | AS - Fixed fee II | 1 | 20.00 | 2 | 20.00 |
| | | Settlement Services | 5012 | AS transfer order | 1,584 | 47.51 | 2,178 | 44.63 |
| CBXXAQD0XXX | CBXXAQD0XXX | Account Management Services | 5002 | Fixed fee - RTGS DCA | 5 | 5.56 | 10 | 5.56 |

**Figure 193: BIL01 Output ("Per service")**



Per service | System entity wide sums per service

target services — BIL01 - Consumption data

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Quarter: 2025 1st Quarter

Service: RTGS

| | | Service Item | | 2025 FEB | 2025 MAR |
|---|---|---|---|---|---|
| Category | Code | Description | | Quantity (sum) | Quantity (sum) |
| Account Management Services | 5002 | Fixed fee - RTGS DCA | | 90 | 180 |
| | 5004 | Addressable BIC | | 8 | 16 |
| | 5005 | Fee for unpublished BICs | | 2 | 4 |
| | 5006 | Fee for multi-addressee access | | 4 | 8 |
| Information Services | 5007 | AS - Core Fixed fee | | 5 | 10 |
| | 5008 | AS - Fixed fee I | | 5 | 10 |
| | 5009 | AS - Fixed fee II | | 5 | 10 |
| Settlement Services | 5011 | Payment Order | | 1,295 | 1,518 |
| | 5012 | AS transfer order | | 3,334 | 4,880 |
| | 5015 | Liquidity transfer across different banking groups (within RTGS) | | 2,632 | 3,420 |
| | 5016 | Liquidity transfer across different banking groups (from RTGS to CLM) | | 124 | 165 |

**Figure 194: BIL01 Output ("System entity wide sums per service")**

## Output description

| BIL01 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Tab “Per service": Shows consumption data per selected service | |
| Service | Shows which service the following data is displayed for. |
| Charged party BIC | BIC of the charged party |
| Responsible party BIC | BIC of the responsible party.<br>Indicates the CB responsible for the party to be charged |
| Category | Possible values are:<br>- Settlement Services (SETT)<br>- Account Management Services (ACMS)<br>- Information Services (INSV) |
| Code | Following service item codes are currently available:<br>- See BILL UDFS Annex I |
| Description | Following service item descriptions are currently available:<br>- See BILL UDFS Annex I |
| Year, Month | For each month within the chosen quarter, one row will be displayed.<br>If the billing period is not yet closed, then no quantities are shown (empty cells). |
| Quantity | The number of counts for this service item |
| Share (%) | The share (in %) for the usage of this service item within the month compared to the total of service items charged. |
| *Tab “System entity wide sums per service” shows the totals for the system entity per selected service* | |
| Service | Shows which service the following data is displayed for. |
| Service item | |
| Category | Possible values are:<br>- Settlement Services<br>- Account Management Services<br>- Information Services |

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| | |
|---|---|
| Code | Following service item codes are currently available:<br>See BILL UDFS Annex I |
| Description | Following service item descriptions are currently available:<br>See BILL UDFS Annex I |
| Year, Month | For each month within the chosen quarter, one row will be displayed.<br>If the billing period is not yet closed, then no quantities are shown (empty cells). |
| Quantity (sum) | For each service item the sum over all parties belonging to the data scope of the CB. |

**Table 10: BIL01 - Output description**

## 5.3.2 BIL02 - Monitoring the invoice activity

**Context of usage**

This report provides aggregated information on invoicing activity per party, service, billing period and fee type. It shows the item count and value in EUR together with the respective share (in %) compared to the grand total of the system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BIL – Billing Reports] >> [BIL02]

**Screenshot – prompt**

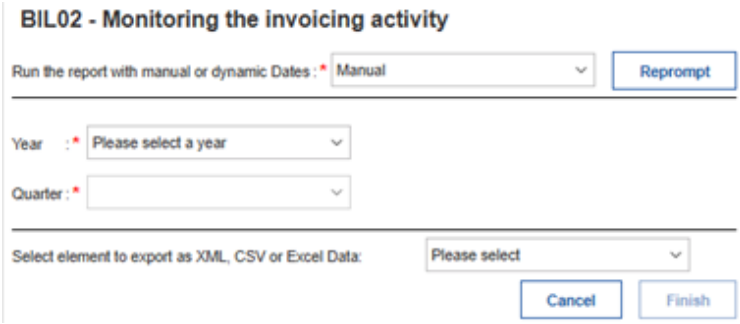



**Figure 195: BIL02 prompt - Manual**

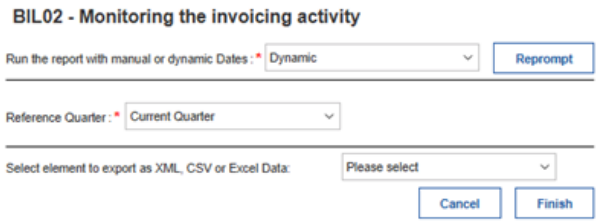



**Figure 196: BIL02 prompt - Dynamic**

## Prompt description

| BIL02 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Quarter | You can use this drop-down field to select the quarter, for which the report should show the data.<br>This field is mandatory |
| Select element to export as XML, CSV or Excel Data | - Monitoring the invoicing activity by party<br>- Monitoring the invoicing activity by service<br>- Monitoring the invoicing activity by billing period<br>- Monitoring the invoicing activity by fee type<br>This field is optional. |

**Table 11: BIL02 – Prompt description - Manual**

| BIL02 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Quarter | Reference Quarter for which the data shall be displayed.<br>Possible values:<br>- Current Quarter<br>- Previous Quarter<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Monitoring the invoicing activity by party<br>- Monitoring the invoicing activity by service<br>- Monitoring the invoicing activity by billing period<br>- Monitoring the invoicing activity by fee type |

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| | |
|---|---|
| | This field is optional. |

**Table 12: BIL02 – Prompt description - Dynamic**

## Screenshot - output screen

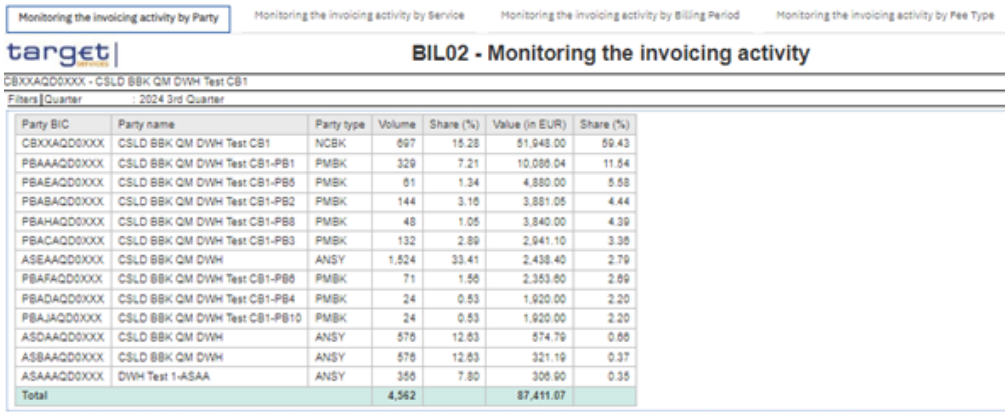



**Figure 197: BIL02 Output (“Monitor the invoicing activity by party”)**




**Figure 198: BIL02 Output (“Monitor the invoicing activity by service”)**

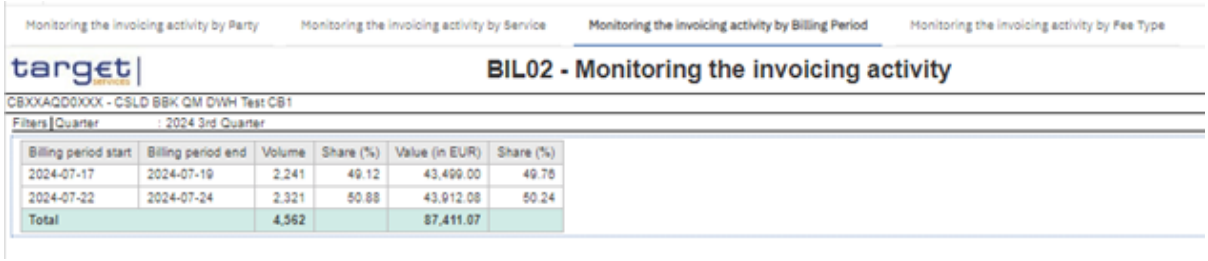



**Figure 199: BIL02 Output (“Monitor the invoicing activity by billing period”)**

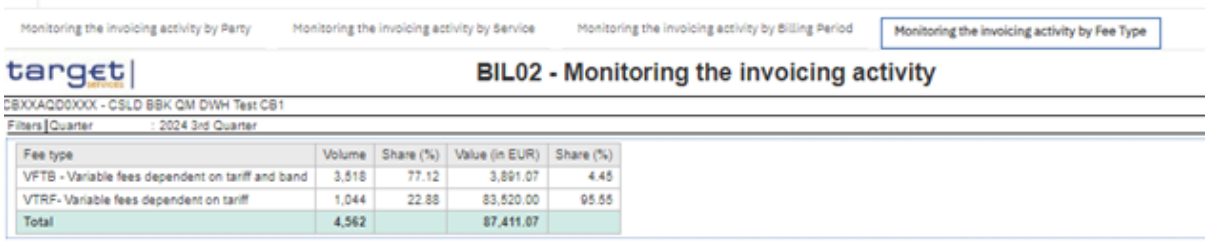



**Figure 200: BIL02 Output (“Monitor the invoicing activity by fee type”)**

## Output description

| BIL02 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| *Tab "Monitor the invoicing activity by party"* | |
| Party BIC | BIC of the charged party |
| Party name | Name of the charged party |
| Party type | Type of the charged party |
| Volume | Number of all charged service items for the party during the selected quarter |
| Share (%) | Share (in %) of the volume compared to the total of the system entity during the selected quarter |
| Value (in EUR) | Value of all charged service items for the party during the selected quarter |
| Share (%) | Share (in %) of the value compared to the total of the system entity during the selected quarter |
| Total volume | Sum of all volumes of charged service items for the system entity during the selected quarter |
| Total value (in EUR) | Sum of all values of charged service items for the system entity during the selected quarter |
| *Tab "Monitor the invoicing activity by service"* | |
| Service | Service for which the data is displayed.<br>Possible values:<br>- RTGS<br>- TIPS |
| Volume | Number of all charged service items for the service during the selected quarter |
| Share (%) | Share (in %) of the volume compared to the total of the system entity during the selected quarter |
| Value (in EUR) | Value of all charged service items for the service during the selected quarter |
| Share (%) | Share (in %) of the value compared to the total of the system entity during the selected quarter |

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| | |
|---|---|
| Total volume | Sum of all volumes of charged service items for the system entity during the selected quarter |
| Total value (in EUR) | Sum of all values of charged service items for the system entity during the selected quarter |
| *Tab "Monitor the invoicing activity by billing period"* | |
| Billing period start | Start date (Calendar date) of the billing period for which data is shown |
| Billing period end | End date (Calendar date) of the billing period for which data is shown |
| Volume | Number of all charged service items for the billing period |
| Share (%) | Share (in %) of the volume compared to the total of the system entity during the selected quarter |
| Value (in EUR) | Value of all charged service items for the billing period |
| Share (%) | Share (in %) of the value compared to the total of the system entity during the selected quarter |
| Total volume | Sum of all volumes of charged service items for the system entity during the selected quarter |
| Total value (in EUR) | Sum of all values of charged service items for the system entity during the selected quarter |
| *Tab "Monitor the invoicing activity by fee type"* | |
| Fee type | Fee type |
| Volume | Number of all charged service items for the fee type during the selected quarter |
| Share (%) | Share (in %) of the volume compared to the total of the system entity during the selected quarter |
| Value (in EUR) | Value of all charged service items for the fee type during the selected quarter |
| Share (%) | Share (in %) of the value compared to the total of the system entity during the selected quarter |
| Total volume | Sum of all volumes of charged service items for the system entity during the selected quarter |

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| | |
|---|---|
| Total value (in EUR) | Sum of all values of charged service items for the system entity during the selected quarter |

**Table 13: BIL02 - Output description**

## 5.3.3 BIL03 - Audit of critical billing data

### Context of usage

This report provides audit information on changes to data critical for billing (“Critical data”). Sorted by party BIC, the report lists the most recent changes to critical data that were executed during a selected period stating their old and new values and the timestamp of the change.

ECMS provides just total amounts to BILL Common Component to generate invoices. BILL does not calculate anything here with respect to fee bands, tariff etc. Thus by definition there are no data critical for billing ECMS services to be tracked with this report.

This report can be used by CB users only.

### Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BIL – Billing Reports] >> [BIL03]

### Screenshot – prompt

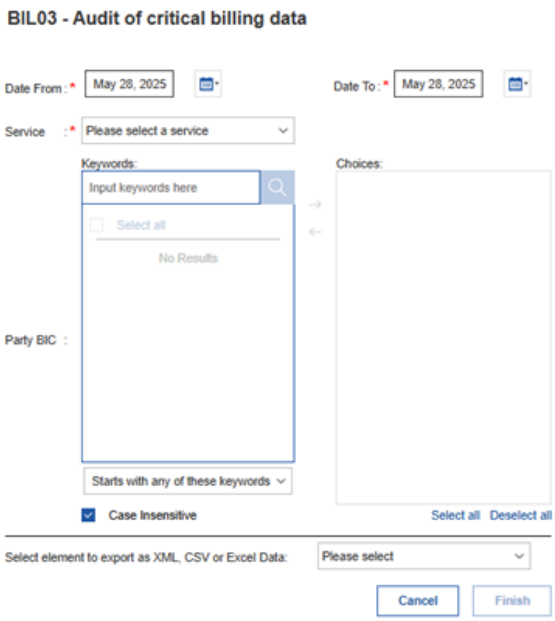


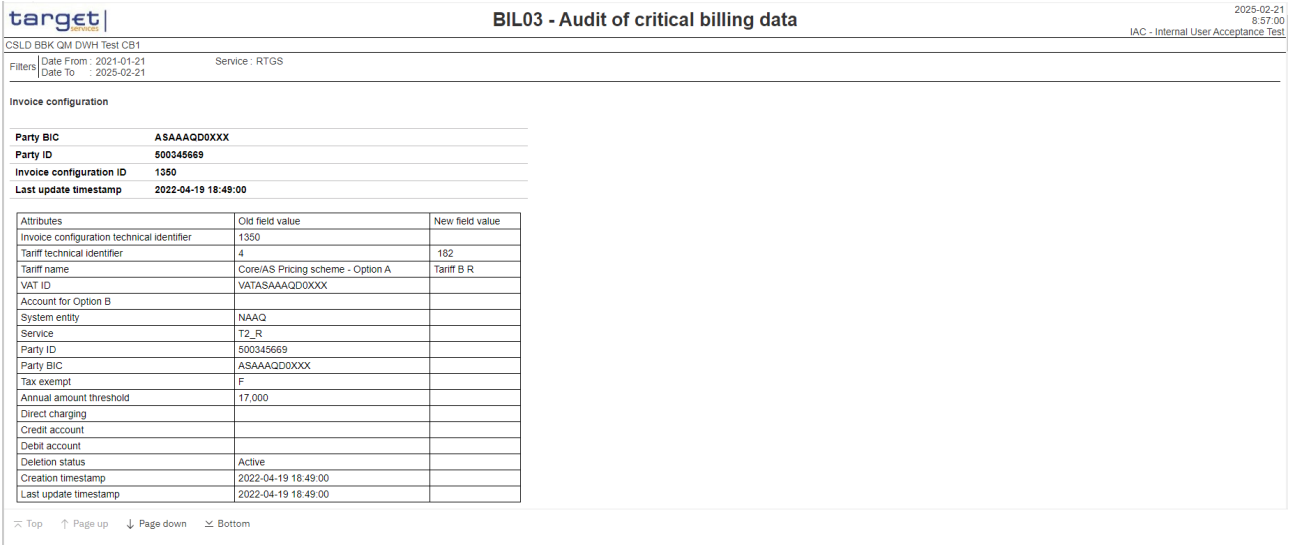

**Figure 201: BIL03 prompt**

### Prompt description

| BIL03 – Report description – prompt screen | |
|---|---|
| **Field label** | **Description** |
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Service | Service for which the data shall be displayed.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S<br>- ECMS<br>This field is mandatory. |
| Party BIC | You can use this search and select prompt to be able to search for the party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Select element to export as XML, CSV or Excel Data | - Invoice configuration<br>- Tariff<br>- Service items<br>- Fee schedule<br>- Fee bands<br>- VAT<br>- VAT for service items<br>- Billing groups<br>- Billing group entities<br>This field is optional. |

**Table 14: BIL03 - Prompt description**

## Screenshot - output screen



target services

**BIL03 - Audit of critical billing data**

2025-02-21
8:57:00
IAC - Internal User Acceptance Test

CSLD BBK QM DWH Test CB1

Filters | Date From : 2021-01-21 Date To : 2025-02-21 | Service : RTGS

**Invoice configuration**

| | |
|---|---|
| **Party BIC** | **ASAAAQD0XXX** |
| **Party ID** | **500345669** |
| **Invoice configuration ID** | **1350** |
| **Last update timestamp** | **2022-04-19 18:49:00** |

| Attributes | Old field value | New field value |
|---|---|---|
| Invoice configuration technical identifier | 1350 | |
| Tariff technical identifier | 4 | 182 |
| Tariff name | Core/AS Pricing scheme - Option A | Tariff B R |
| VAT ID | VATASAAAQD0XXX | |
| Account for Option B | | |
| System entity | NAAQ | |
| Service | T2_R | |
| Party ID | 500345669 | |
| Party BIC | ASAAAQD0XXX | |
| Tax exempt | F | |
| Annual amount threshold | 17,000 | |
| Direct charging | | |
| Credit account | | |
| Debit account | | |
| Deletion status | Active | |
| Creation timestamp | 2022-04-19 18:49:00 | |
| Last update timestamp | 2022-04-19 18:49:00 | |

Top | Page up | Page down | Bottom

**Figure 202: BIL03 output (1) (“Invoice configuration”)**

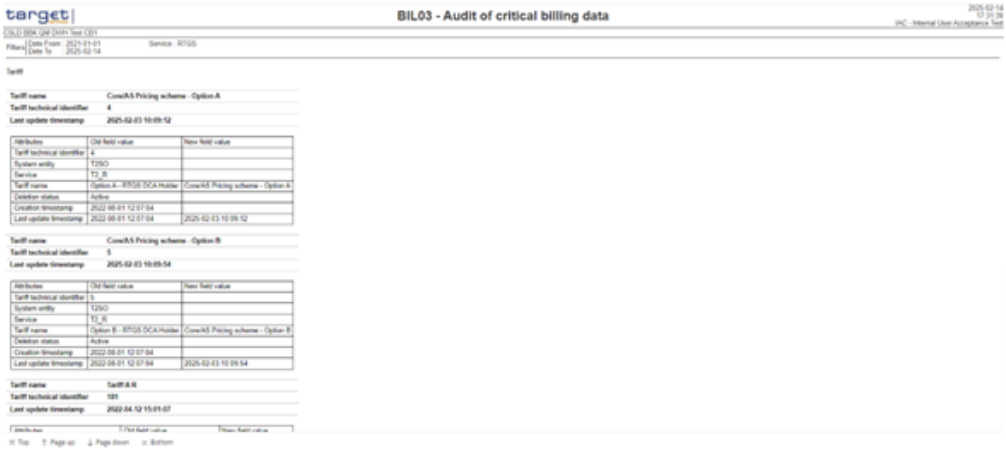


**Figure 203: BIL03 output (2) (“Tariff”)**

target

**BIL03 - Audit of critical billing data**

CSLD BBK QM DWH Test CB1

Filters | Date From : 2021-01-01 Date To : 2022-07-08 | Service : RTGS

Service items

| | |
|---|---|
| **Service item code** | **5002** |
| **Service item technical identifier** | **500021003** |
| **Last update timestamp** | **2022-06-24 16:00:50** |

| Attributes | Old field value | New field value |
|---|---|---|
| Service item technical identifier | 500021003 | |
| Service | T2_R | |
| System entity | T2SO | |
| Category | Account Management Services | |
| Service item code | 5002 | |
| Service item name | Fixed fee - RTGS DCA | |
| Deletion status | Active | |
| Creation timestamp | 2022-06-24 16:00:50 | |
| Last update timestamp | 2022-06-24 16:00:50 | |

| | |
|---|---|
| **Service item code** | **5004** |
| **Service item technical identifier** | **500021004** |
| **Last update timestamp** | **2022-06-24 16:00:50** |

| Attributes | Old field value | New field value |
|---|---|---|
| Service item technical identifier | 500021004 | |
| Service | T2_R | |
| System entity | T2SO | |
| Category | Account Management Services | |
| Service item code | 5004 | |
| Service item name | Addressable BIC | |
| Deletion status | Active | |
| Creation timestamp | 2022-06-24 16:00:50 | |
| Last update timestamp | 2022-06-24 16:00:50 | |

**Figure 204: BIL03 output (3) (“Service items”)**

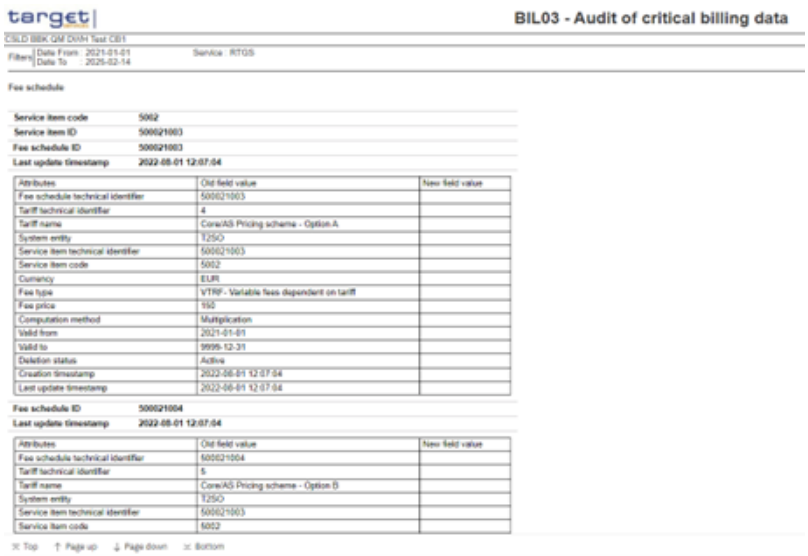



**Figure 205: BIL03 output (4) (“Fee schedule”)**

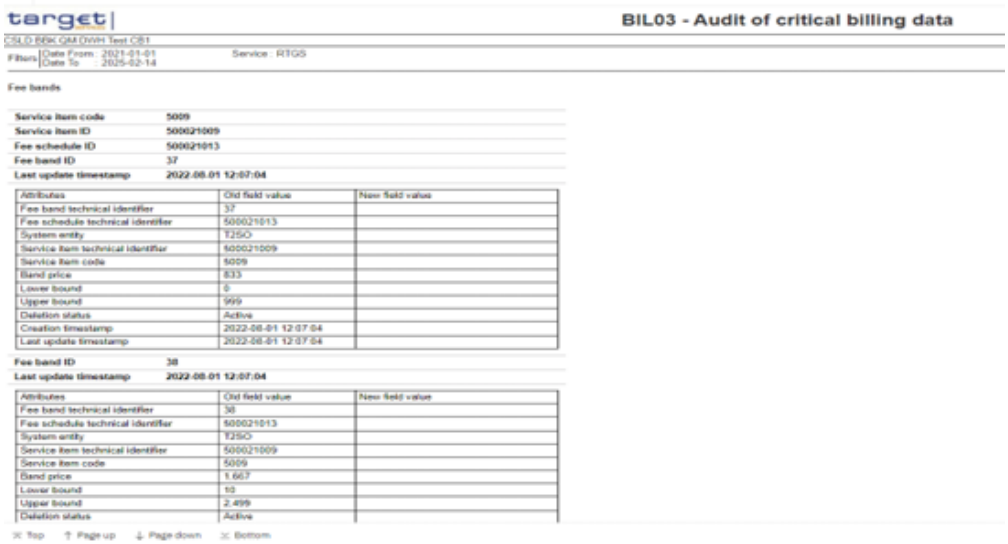



**Figure 206: BIL03 output (5) (“Fee bands”)**

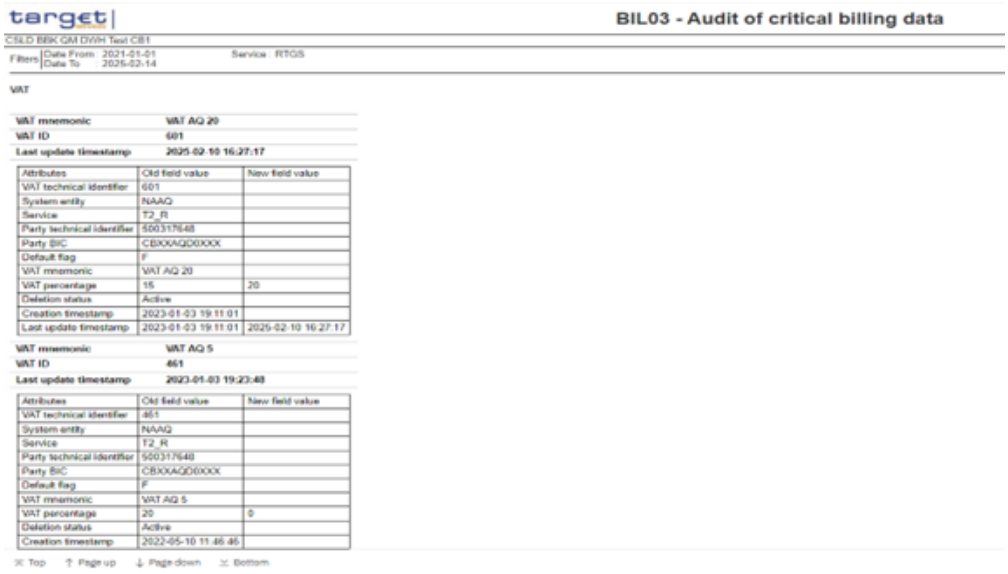
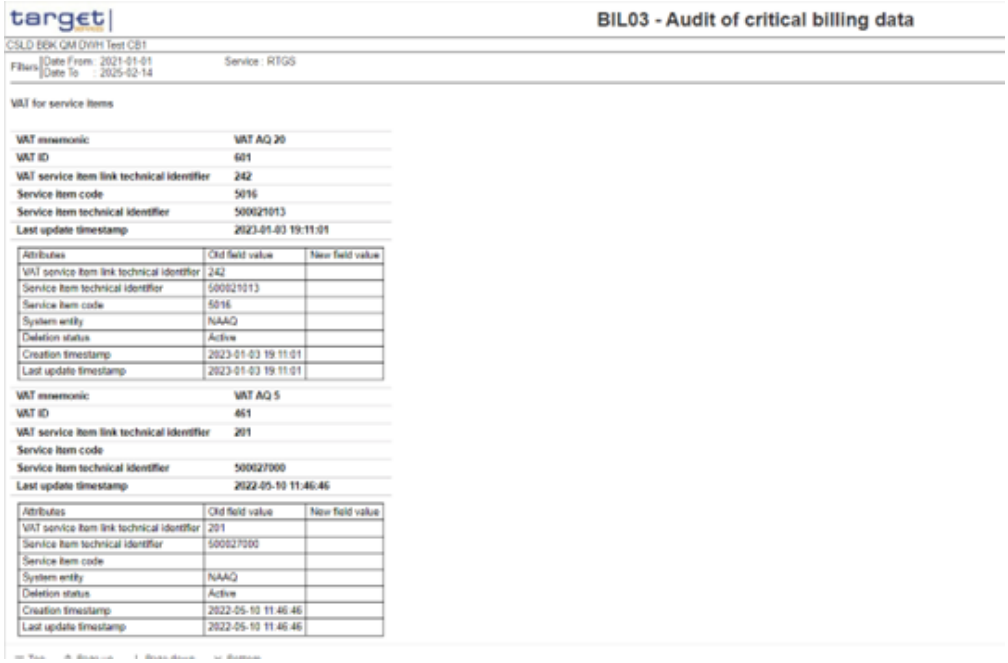



**Figure 207: BIL03 output (6) (“VAT”)**


BIL03 - Audit of critical billing data

CSLD BBK QM DWH Test CB1

Filters: Date From: 2021-01-01 Date To: 2025-02-14 Service: RTGS

VAT for service items

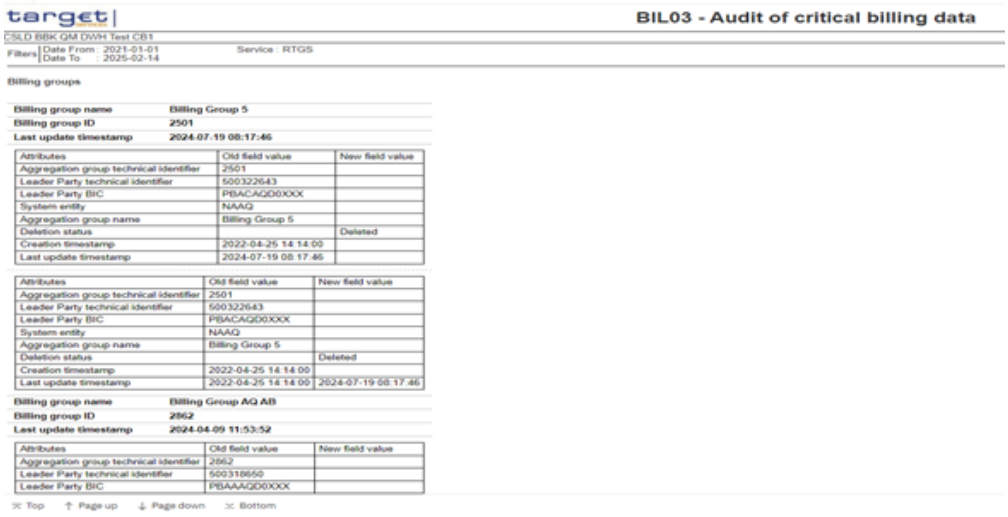
| | |
|---|---|
| VAT mnemonic | VAT AQ 20 |
| VAT ID | 601 |
| VAT service item link technical identifier | 242 |
| Service item code | 5016 |
| Service item technical identifier | 500021013 |
| Last update timestamp | 2023-01-03 19:11:01 |

| Attributes | Old field value | New field value |
|---|---|---|
| VAT service item link technical identifier | 242 | |
| Service item technical identifier | 500021013 | |
| Service item code | 5016 | |
| System entity | NAAQ | |
| Deletion status | Active | |
| Creation timestamp | 2023-01-03 19:11:01 | |
| Last update timestamp | 2023-01-03 19:11:01 | |

| | |
|---|---|
| VAT mnemonic | VAT AQ 5 |
| VAT ID | 461 |
| VAT service item link technical identifier | 201 |
| Service item code | |
| Service item technical identifier | 500027000 |
| Last update timestamp | 2022-05-10 11:46:46 |

| Attributes | Old field value | New field value |
|---|---|---|
| VAT service item link technical identifier | 201 | |
| Service item technical identifier | 500027000 | |
| Service item code | | |
| System entity | NAAQ | |
| Deletion status | Active | |
| Creation timestamp | 2022-05-10 11:46:46 | |
| Last update timestamp | 2022-05-10 11:46:46 | |

**Figure 208: BIL03 output (7) (“VAT for service items”)**


BIL03 - Audit of critical billing data

CSLD BBK QM DWH Test CB1

Filters: Date From: 2021-01-01 Date To: 2025-02-14 Service: RTGS

Billing groups

| | |
|---|---|
| Billing group name | Billing Group 5 |
| Billing group ID | 2501 |
| Last update timestamp | 2024-07-19 08:17:46 |

| Attributes | Old field value | New field value |
|---|---|---|
| Aggregation group technical identifier | 2501 | |
| Leader Party technical identifier | 500322643 | |
| Leader Party BIC | PBACAQD0XXX | |
| System entity | NAAQ | |
| Aggregation group name | Billing Group 5 | |
| Deletion status | | Deleted |
| Creation timestamp | 2022-04-25 14:14:00 | |
| Last update timestamp | 2024-07-19 08:17:46 | |

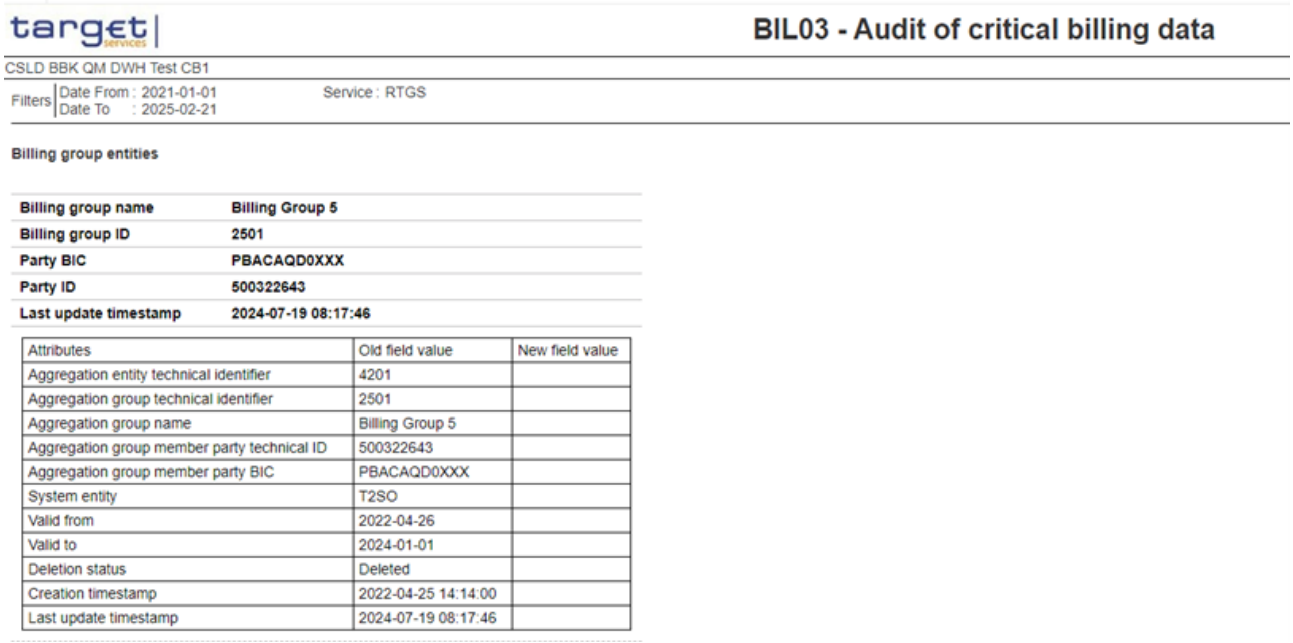
| Attributes | Old field value | New field value |
|---|---|---|
| Aggregation group technical identifier | 2501 | |
| Leader Party technical identifier | 500322643 | |
| Leader Party BIC | PBACAQD0XXX | |
| System entity | NAAQ | |
| Aggregation group name | Billing Group 5 | |
| Deletion status | | Deleted |
| Creation timestamp | 2022-04-25 14:14:00 | |
| Last update timestamp | 2022-04-25 14:14:00 | 2024-07-19 08:17:46 |

| | |
|---|---|
| Billing group name | Billing Group AQ AB |
| Billing group ID | 2862 |
| Last update timestamp | 2024-04-09 11:53:52 |

| Attributes | Old field value | New field value |
|---|---|---|
| Aggregation group technical identifier | 2862 | |
| Leader Party technical identifier | 500318650 | |
| Leader Party BIC | PBAAAQD0XXX | |

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**Figure 209: BIL03 output (8) (“Billing groups”)**



target services

BIL03 - Audit of critical billing data

CSLD BBK QM DWH Test CB1

Filters | Date From : 2021-01-01 Date To : 2025-02-21 | Service : RTGS

**Billing group entities**

| | |
|---|---|
| **Billing group name** | **Billing Group 5** |
| **Billing group ID** | **2501** |
| **Party BIC** | **PBACAQD0XXX** |
| **Party ID** | **500322643** |
| **Last update timestamp** | **2024-07-19 08:17:46** |

| Attributes | Old field value | New field value |
|---|---|---|
| Aggregation entity technical identifier | 4201 | |
| Aggregation group technical identifier | 2501 | |
| Aggregation group name | Billing Group 5 | |
| Aggregation group member party technical ID | 500322643 | |
| Aggregation group member party BIC | PBACAQD0XXX | |
| System entity | T2SO | |
| Valid from | 2022-04-26 | |
| Valid to | 2024-01-01 | |
| Deletion status | Deleted | |
| Creation timestamp | 2022-04-25 14:14:00 | |
| Last update timestamp | 2024-07-19 08:17:46 | |

**Figure 210: BIL03 output (9) (“Billing group entities”)**

## Output description

| **BIL03 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| *The following information is shown per critical data item (entity – see following list for possible values):* | |
| Entity name | Name of the critical data entity.<br>Possible values:<br>- Invoice configuration<br>- Tariff<br>- Service Items<br>- Fee schedule<br>- Fee bands<br>- VAT<br>- VAT for service items<br>- Billing group<br>- Billing group entities |
| Invoice configuration | |
| Party BIC | Shows the Party BIC that the data is displayed for. |
| Party ID | Shows the Party ID that the data is displayed for. |

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| | |
|---|---|
| Invoice configuration ID | Displays the invoice configuration ID of the shown data. |
| Last update timestamp | Shows the timestamp for when the data was last updated. |
| Tariff | |
| Tariff name | Displays the name of the tariff for the following data. |
| Tariff technical identifier | Shows the technical identifier of the tariff. |
| Last update timestamp | Shows the timestamp for when the data was last updated. |
| Service items | |
| Service item code | Shows the code of the service item. |
| Service item technical identifier | Shows the technical identifier of the service item. |
| Fee schedule | |
| Service item code | Shows the code of the service item. |
| Service item ID | Shows the ID of the service item. |
| Fee schedule ID | Displays the ID of the fee schedule. |
| Last update timestamp | Shows the timestamp for when the data was last updated. |
| Fee bands | |
| Service item code | Shows the code of the service item. |
| Service item ID | Shows the ID of the service item. |
| Fee schedule ID | Displays the ID of the fee schedule. |
| Fee band ID | Displays the ID of the fee band. |
| Last update timestamp | Shows the timestamp for when the data was last updated. |
| VAT | |
| VAT mnemonic | Shows the name of the corresponding VAT tariff. |
| VAT ID | Displays the VAT ID. |

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| | |
|---|---|
| VAT service item link technical ID | Shows the technical ID of the service item link. |
| Service item code | Shows the code of the service item. |
| Service item ID | Shows the ID of the service item. |
| Last update timestamp | Shows the timestamp for when the data was last updated. |
| Billing groups | |
| Billing group name | Displays the name of the billing group. |
| Billing group ID | Shows the ID of the billing group. |
| Last update timestamp | Shows the timestamp for when the data was last updated. |
| Billing group entities | |
| Billing group name | Displays the name of the billing group. |
| Billing group ID | Shows the ID of the billing group. |
| Party BIC | Shows the Party BIC that the data is displayed for. |
| Party ID | Shows the Party ID that the data is displayed for. |
| Last update timestamp | Shows the timestamp for when the data was last updated. |
| *The following information is shown per attribute of the critical data item (entity – see following list for possible values):* | |
| Attribute name | Name of the attribute |
| Old field value | Value of the attribute before the change. |
| New field value | Value of the attribute after the change. Is empty for those attributes that were not changed. |

**Table 15: BIL03 - Output description**

## Critical data fields

| **BIL03 – List of billing critical data entities and attributes** | |
|---|---|
| **Entity** | **Attribute** |
| Invoice configuration | Invoice configuration technical identifier |

| | |
|---|---|
| Invoice configuration | Tariff technical identifier |
| Invoice configuration | Tariff name |
| Invoice configuration | VAT ID |
| Invoice configuration | Account for Option B |
| Invoice configuration | System entity |
| Invoice configuration | Service |
| Invoice configuration | Party ID |
| Invoice configuration | Party BIC |
| Invoice configuration | Tax exempt |
| Invoice configuration | Annual amount threshold |
| Invoice configuration | Direct charging |
| Invoice configuration | Credit account |
| Invoice configuration | Debit account |
| Invoice configuration | Deletion status |
| Invoice configuration | Creation timestamp |
| Invoice configuration | Last update timestamp |
| Tariff | Tariff technical identifier |
| Tariff | System entity |
| Tariff | Service |
| Tariff | Tariff name |
| Tariff | Deletion status |
| Tariff | Creation timestamp |
| Tariff | Last update timestamp |

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| | |
|---|---|
| Service items | Service item technical identifier |
| Service items | Service |
| Service items | System entity |
| Service items | Category |
| Service items | Service item code |
| Service items | Service item name |
| Service items | Deletion status |
| Service items | Creation timestamp |
| Service items | Last update timestamp |
| | |
| Fee schedule | Fee schedule technical identifier |
| Fee schedule | Tariff technical identifier |
| Fee schedule | Tariff name |
| Fee schedule | System entity |
| Fee schedule | System item technical identifier |
| Fee schedule | Service item code |
| Fee schedule | Currency |
| Fee schedule | Fee type |
| Fee schedule | Fee price |
| Fee schedule | Computation method |
| Fee schedule | Valid from |
| Fee schedule | Valid to |
| Fee schedule | Deletion status |
| Fee schedule | Creation timestamp |

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| | |
|---|---|
| Fee schedule | Last update timestamp |
| | |
| Fee bands | Fee band technical identifier |
| Fee bands | Fee schedule technical identifier |
| Fee bands | System entity |
| Fee bands | Service item technical identifier |
| Fee bands | Service item code |
| Fee bands | Band price |
| Fee bands | Lower bound |
| Fee bands | Upper bound |
| Fee bands | Deletion status |
| Fee bands | Creation timestamp |
| Fee bands | Last update timestamp |
| | |
| VAT | VAT technical identifier |
| VAT | System entity |
| VAT | Service |
| VAT | Party technical identifier |
| VAT | Party BIC |
| VAT | Default flag |
| VAT | VAT mnemonic |
| VAT | VAT percentage |
| VAT | Deletion status |
| VAT | Creation timestamp |
| VAT | Last update timestamp |

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| | |
|---|---|
| VAT for service items | VAT service item link technical identifier |
| VAT for service items | Service item technical identifier |
| VAT for service items | Service item code |
| VAT for service items | System entity |
| VAT for service items | Deletion status |
| VAT for service items | Creation timestamp |
| VAT for service items | Last update timestamp |
| | |
| Billing group | Aggregation group technical identifier |
| Billing group | Leader Party technical identifier |
| Billing group | Leader Party BIC |
| Billing group | System entity |
| Billing group | Aggregation group name |
| Billing group | Deletion status |
| Billing group | Creation timestamp |
| Billing group | Last update timestamp |
| | |
| Billing group entities | Aggregation entity technical identifier |
| Billing group entities | Aggregation group technical identifier |
| Billing group entities | Aggregation group name |
| Billing group entities | Aggregation group member party technical ID |
| Billing group entities | Aggregation group member party BIC |
| Billing group entities | System entity |
| Billing group entities | Valid from |

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| | |
|---|---|
| Billing group entities | Valid to |
| Billing group entities | Deletion status |
| Billing group entities | Creation timestamp |
| Billing group entities | Last update timestamp |

**Table 16: BIL03 - Critical data fields**

### 5.3.4 BIL04 - Detailed consumption

**Context of usage**

This report provides detailed information on consumption data for a selected period and provides information on the originator and the charged party, the service item category and code and the quantity of each service item per day within the selected period. CBs can retrieve information on the detailed consumption data of those parties belonging to their system entity.

This report does not contain any ECMS billing data as ECMS is aggregating the data itself on a monthly basis and afterwards these are delivered to BILL.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BIL – Billing Reports] >> [BIL04]

**Screenshot – prompt**

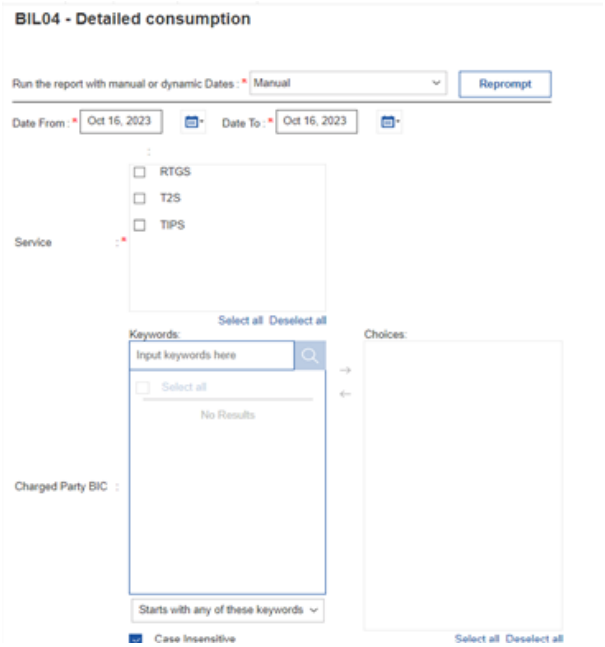



**Figure 211: BIL04 prompt - Manual (1)**

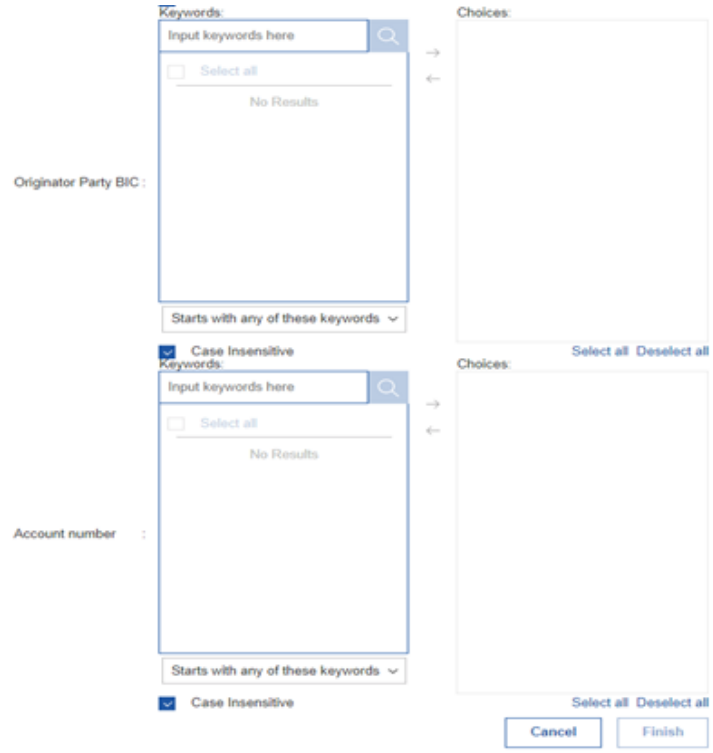



**Figure 212: BIL04 prompt - Manual (2)**




**Figure 213: BIL04 prompt - Dynamic (1)**

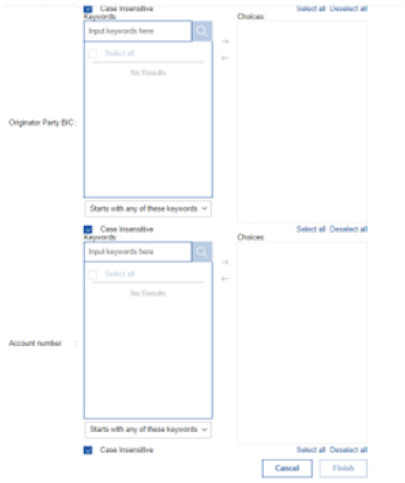



**Figure 214: BIL04 prompt - Dynamic (2)**

## Prompt description

| BIL04 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Service | Service for which the data shall be displayed.<br>Possible values: |

| | |
|---|---|
| | ▪ RTGS<br>▪ TIPS<br>▪ T2S<br>This field is mandatory. |
| Charged party BIC and name | BIC and name of the party to be charged<br>You can use this search and select prompt to be able to search for the charged party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Originator party BIC and name | BIC and name of the party originating the charge<br>You can use this search and select prompt to be able to search for the charged party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Account number | Account number to which the service item is linked<br>This field is optional. |

**Table 17: BIL04 - Prompt description - Manual**

## Prompt description

| **BIL04 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>▪ Last Business Day<br>▪ Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |
| Service | Service for which the data shall be displayed.<br>Possible values: |

| | |
|---|---|
| | - RTGS<br>- TIPS<br>- T2S<br>This field is mandatory. |
| Charged party BIC and name | BIC and name of the party to be charged<br>You can use this search and select prompt to be able to search for the charged party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Originator party BIC and name | BIC and name of the party originating the charge<br>You can use this search and select prompt to be able to search for the charged party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Account number | Account number to which the service item is linked<br>This field is optional. |

**Table 18: BIL04 - Prompt description - Dynamic**

## Screenshot - output screen

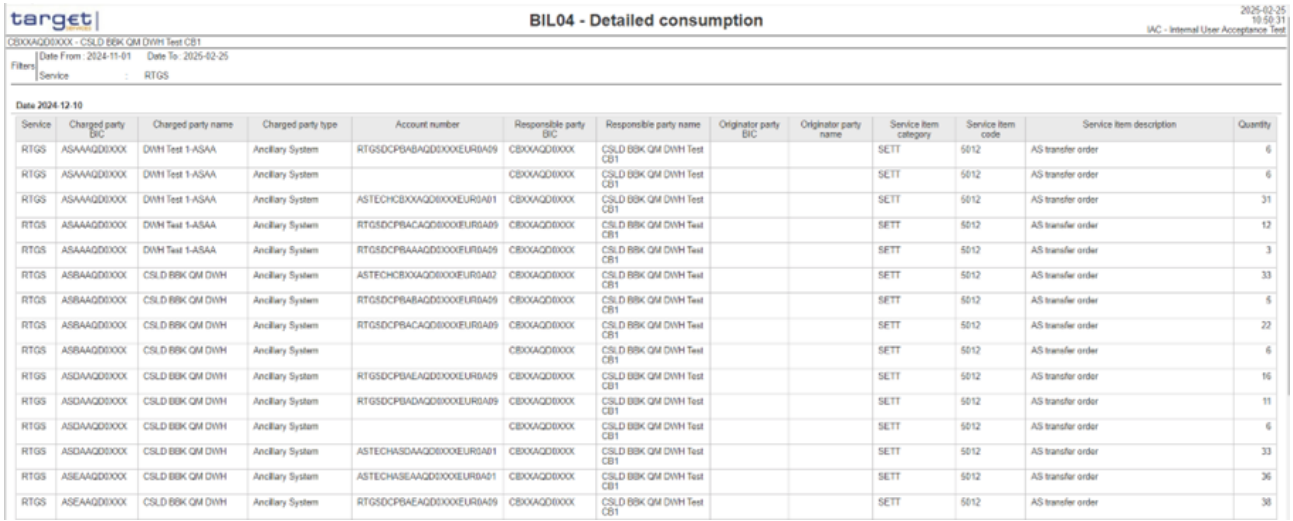

BIL04 - Detailed consumption

**Figure 215: BIL04 Output**

## Output description

| BIL04 – Report description – output screen |
|---|

| Field label | Description |
|---|---|
| Date | Date, for which the detailed consumption data is shown. |
| *The following information is shown per date within the chosen date range.* | |
| Service | Service where the detailed consumption data are shown.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S |
| Charged party BIC | Party that is charged for the service items |
| Charged party name | Name of the charged party |
| Charged party type | Party type of the charged party. |
| Account number | Account number, to which the service item is linked (only filled in case of service item category “Settlement services” or “Account management services”. Otherwise empty) |
| Responsible party BIC | Party BIC of CB responsible for the charged party |
| Responsible party name | Name of the CB responsible for the charged party |
| Originator party BIC | BIC of the party that originated the service item |
| Originator party name | Name of the party that originated the service item |
| Service Item category | Possible values are:<br>- Settlement Services (SETT)<br>- Account Management Services (ACMS)<br>- Information Services (INSV) |
| Service item code | Following service item codes are currently available:<br>- See BILL UDFS Annex I |
| Service item description | Following service item descriptions are currently available:<br>- See BILL UDFS Annex I |
| Quantity | Number of the service items counted |

**Table 19: BIL04 - Output description**

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## 5.3.5 BIL05 - Detailed participation

**Context of usage**

This report provides detailed information about charged parties per consumption of service item categories of each service for a given date range. CBs can retrieve information on the detailed participation data of those parties belonging to their system entity.

This report does not contain any ECMS billing data as ECMS is aggregating the data itself on a monthly basis and afterwards these are delivered to BILL.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BIL – Billing Reports] >> [BIL05]

**Screenshot – prompt**




**Figure 216: BIL05 prompt - Manual**

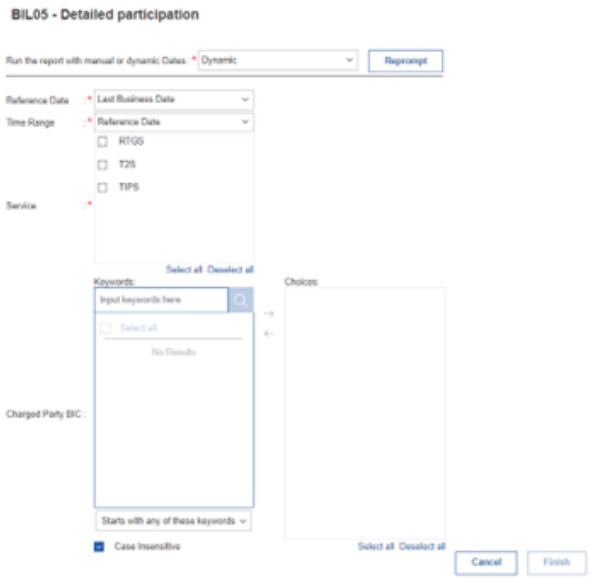



**Figure 217: BIL05 prompt - Dynamic**

## Prompt description

| BIL05 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Service | Service for which the data shall be displayed.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S<br>This field is mandatory. |

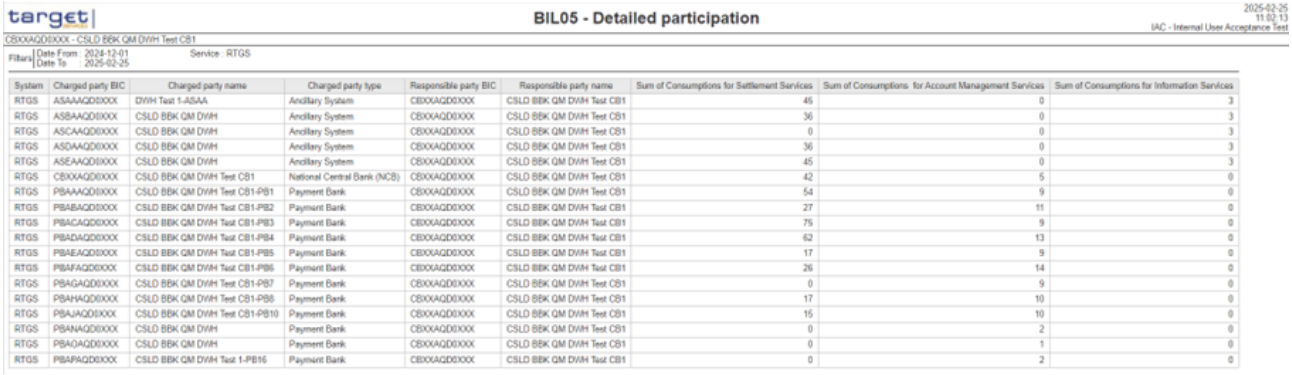
| | |
|---|---|
| Charged party BIC and name | BIC and name of the party to be charged<br>You can use this search and select prompt to be able to search for the charged party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |

**Table 20: BIL05 - Prompt description - Manual**

| **BIL05 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |
| Service | Service for which the data shall be displayed.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S<br>This field is mandatory. |
| Charged party BIC and name | BIC and name of the party to be charged<br>You can use this search and select prompt to be able to search for the charged party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |

**Table 21: BIL05 - Prompt description - Dynamic**

## Screenshot - output screen



target

BIL05 - Detailed participation

2025-02-25
11:02:13
IAC - Internal User Acceptance Test

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date From : 2024-12-01 Date To : 2025-02-25 Service : RTGS

| System | Charged party BIC | Charged party name | Charged party type | Responsible party BIC | Responsible party name | Sum of Consumptions for Settlement Services | Sum of Consumptions for Account Management Services | Sum of Consumptions for Information Services |
|---|---|---|---|---|---|---|---|---|
| RTGS | ASAAAQD0XXX | DWH Test 1-ASAA | Ancillary System | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 45 | 0 | 3 |
| RTGS | ASBAAQD0XXX | CSLD BBK QM DWH | Ancillary System | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 36 | 0 | 3 |
| RTGS | ASCAAQD0XXX | CSLD BBK QM DWH | Ancillary System | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 0 | 0 | 3 |
| RTGS | ASDAAQD0XXX | CSLD BBK QM DWH | Ancillary System | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 36 | 0 | 3 |
| RTGS | ASEAAQD0XXX | CSLD BBK QM DWH | Ancillary System | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 45 | 0 | 3 |
| RTGS | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | National Central Bank (NCB) | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 42 | 5 | 0 |
| RTGS | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 54 | 9 | 0 |
| RTGS | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 27 | 11 | 0 |
| RTGS | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 75 | 9 | 0 |
| RTGS | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 62 | 13 | 0 |
| RTGS | PBAEAQD0XXX | CSLD BBK QM DWH Test CB1-PB5 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 17 | 9 | 0 |
| RTGS | PBAFAQD0XXX | CSLD BBK QM DWH Test CB1-PB6 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 26 | 14 | 0 |
| RTGS | PBAGAQD0XXX | CSLD BBK QM DWH Test CB1-PB7 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 0 | 9 | 0 |
| RTGS | PBAHAQD0XXX | CSLD BBK QM DWH Test CB1-PB8 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 17 | 10 | 0 |
| RTGS | PBAJAQD0XXX | CSLD BBK QM DWH Test CB1-PB10 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 15 | 10 | 0 |
| RTGS | PBANAQD0XXX | CSLD BBK QM DWH | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 0 | 2 | 0 |
| RTGS | PBAOAQD0XXX | CSLD BBK QM DWH | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 0 | 1 | 0 |
| RTGS | PBAPAQD0XXX | CSLD BBK QM DWH Test 1-PB16 | Payment Bank | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | 0 | 2 | 0 |

**Figure 218: BIL05 Output**

## Output description

| BIL05 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Service | Service where the detailed consumption data are shown.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S |
| Charged party BIC | Party that is charged for the service items |
| Charged party name | Name of the charged party |
| Charged party type | Party type of the charged party. |
| Responsible party BIC | Party BIC of CB responsible for the charged party |
| Responsible party name | Name of the CB responsible for the charged party |
| Sum of consumptions for settlement services | Number of consumptions of settlement services by the charged party during the given date range |
| Sum of consumptions for account management services | Number of consumptions of account management services by the charged party during the given date range |
| Sum of consumptions for information services | Number of consumptions of Information services by the charged party during the given date range |
| Quantity | Number of the service items counted |

**Table 22: BIL05 - Output description**

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## 5.3.6 BIL06 - PDF invoice list

**Context of usage**

This report provides access to the PDF invoices created by the BILL module. The user will be provided with a list of invoices accessible to him where he can select a single invoice which is then shown either directly on the screen or downloaded to a dedicated directory (depending on the settings of the user's browser concerning handling of PDF documents).

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BIL – Billing Reports] >> [BIL06]

**Screenshot – prompt**

All rights reserved.

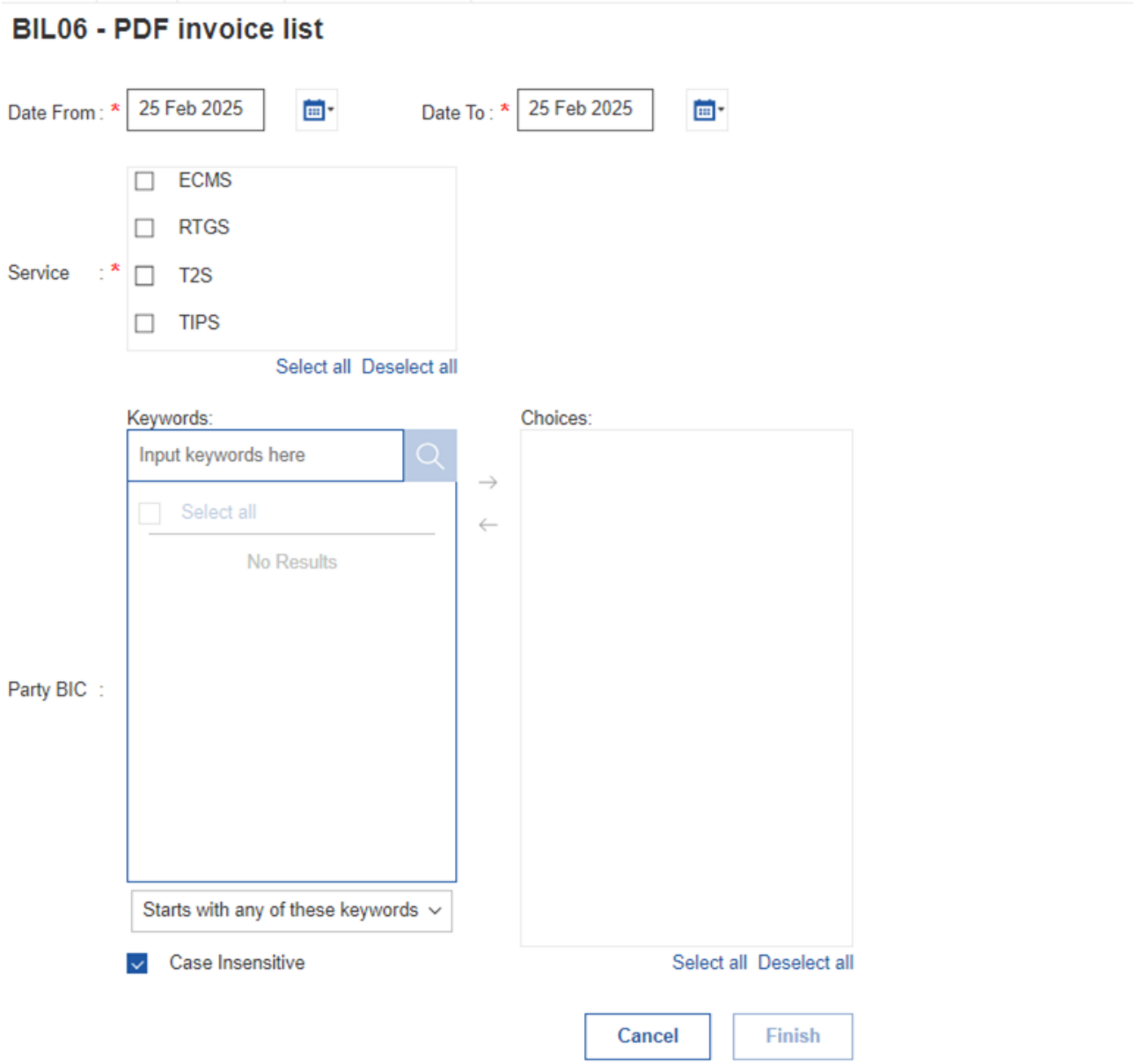



**Figure 219: BIL06 - Prompt**

## Prompt description

| BIL06 – Report description – prompt screen | |
|---|---|
| **Field label** | **Description** |
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar. |

| | |
|---|---|
| | For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Service | Service for which the available PDF invoices shall be displayed.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S<br>- ECMS<br>This field is mandatory. |
| Party BIC | BIC of the party, for which PDF invoices should be shown<br>You can use this search and select prompt to be able to search for the party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |

**Table 23: BIL06 - Prompt description**

## Screenshot - output screen




**Figure 220: BIL06 - Output**

## Output description

| **BIL06 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Service | Service for which the invoice was generated.<br>Possible values: |

| | |
|---|---|
| | RTGS<br>TIPS<br>T2S<br>ECMS |
| Invoice date | Business date of the invoice |
| Party BIC | BIC of the CB for which the invoice was created |
| Link to PDF invoice | URL to webserver address, where the PDF document can be accessed |

**Table 24: BIL06 - Output description**

# 5.4 Business transaction pattern monitoring (BPM)

## 5.4.1 BPM01 - Business transaction pattern monitoring - Submission time on T2 opening days

**Context of usage**

This report is part of a set of six reports which shall provide central banks with a possibility to observe significant deviations from RTGS DCA/CB Account normal behaviour in relation to several behaviour traits. Such behaviour might be an indication of fraudulent activities and central banks could act accordingly informing the RTGS DCA holders with which they have a business relationship.

This report provides alerts by RTGS DCA/RTGS CB Account, business day and time intervals of one hour if set thresholds are exceeded in terms of value and/or volume of the RTGS DCA/RTGS CB Account-interval under analysis.

The underlying data for this report are customer payments data, i.e. pacs.008 payment orders.

The report is based on the default reference period which spans two years going backwards starting from the business day prior to the business day under investigation, but it is possible to choose another period (which is input as optional report parameter).

If the value corresponding to a certain RTGS DCA/RTGS CB Account–interval on the investigation day exceeds the threshold then an alert will be triggered

Note: In case of a new RTGS DCA/RTGS CB Account, the monitoring starts as of 3 months after its creation.

This report can be used by CBs only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BPM – Business transaction pattern monitoring] >> [BPM01]

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## Screenshot – prompt

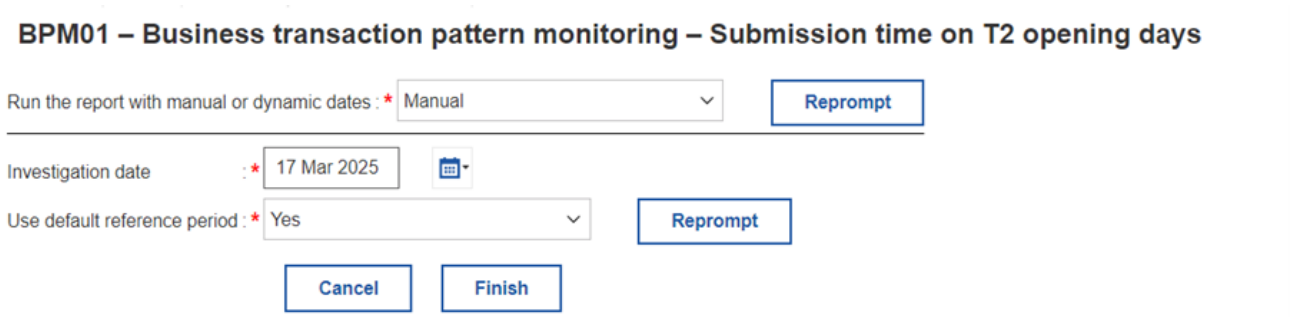



**Figure 221: BPM01 - Prompt screen "Yes"- Manual**

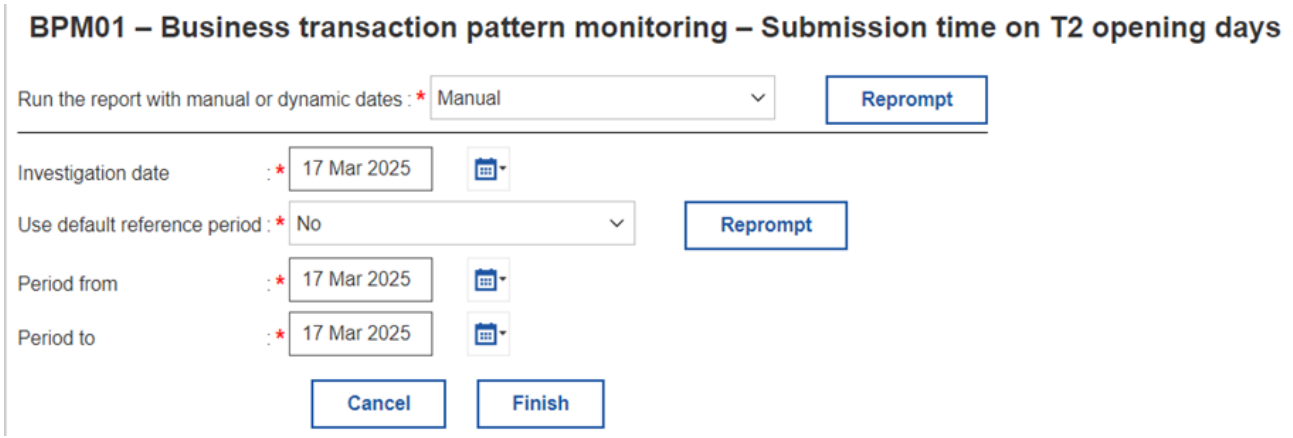



**Figure 222: BPM01 - Prompt screen "No" - Manual**

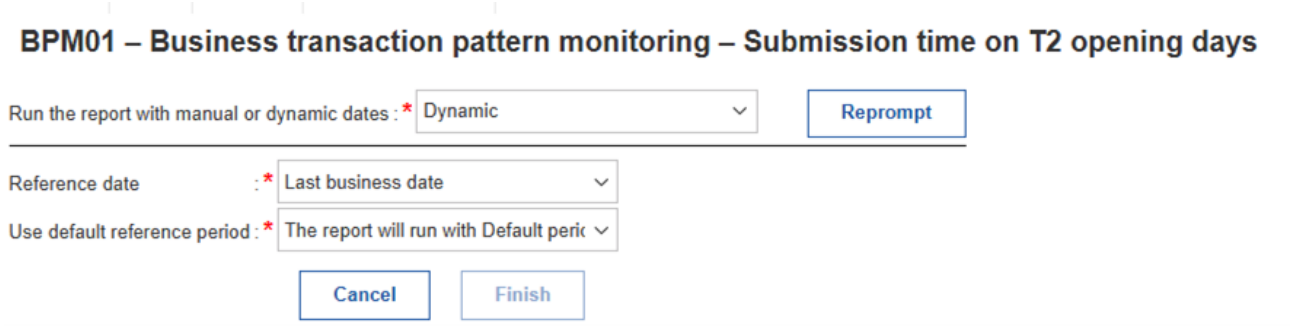



**Figure 223: BPM01 - Prompt screen – Dynamic**

## Prompt description

| BPM01 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Investigation date: | The date chosen can be the date of the last available data load or any date within the last 10 years.<br>This field is mandatory. |

| | |
|---|---|
| Use default reference period | The default reference period spans 2 years in the past calculated from the day prior to the investigation date.<br>If any other period should be the basis for the analysis, the value “No” has to be chosen and a user-defined period has to be selected in the prompt fields “Period from” and “Period to”.<br>Possible values:<br>- Yes (default)<br>- No<br>This field is mandatory. |
| Period from | When “Use default reference period” is “No”:<br>Date picker to select the start of the user-defined reference period. (Must be earlier than the date selected in “Period to”)<br>Hidden if<br>“Use default period” = Yes.<br>This field is mandatory. |
| Period to | When “Use default reference period” is “No”:<br>Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in “Period to”)<br>Hidden if<br>“Use default period” = Yes.<br>This field is mandatory. |

**Table 25: BPM01 – Prompt description - Manual**

| **BPM01 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Use default reference period | The default reference period spans 2 years in the past calculated from the last business date or the day prior to the last business date. |

| | |
|---|---|
| | Selectable values:<br>- Yes (default)<br>This field is mandatory. |

**Table 26: BPM01 – Prompt description - Dynamic**

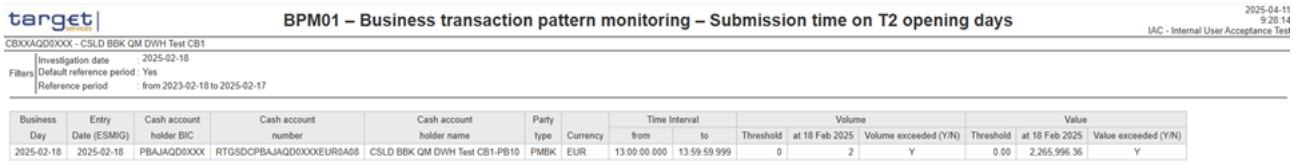



**Figure 224: BPM01 Output**

## Output description

| **BPM01 – Report description – output** | |
|---|---|
| **Field label** | **Description** |
| Business day | The business day on which the business transaction was settled. |
| Entry Date (ESMIG) | The date at which the transaction was received by ESMIG. |
| Cash account holder BIC | BIC-11 of the cash account holder |
| Cash account number | Number of the RTGS DCA or RTGS CB account |
| Cash account holder name | Short name of the account holder |
| Party type | Party type of the account owner.<br>Possible values:<br>- NCBK<br>- PMBK<br>- ANSY |
| Currency | Currency of the cash account |
| “Time interval” | |
| From | Start time of the hour interval |
| To | Start time of the hour interval |
| “Volume” | |

| | |
|---|---|
| Threshold | Threshold calculated as 99th percentile of all the non-zero values corresponding to the cash account and the particular time interval over the reference period. In case there are less than 5 non-zero values, the threshold is set to 0 (zero). |
| at <investigation date> | Volume of instructions settled on the cash account |
| Volume exceeded (Y/N) | In case of “Y”, volume exceeds the threshold, else “N” |
| “Value” | |
| Threshold | Threshold calculated as 99th percentile of all the non-zero values corresponding to the cash account and the particular time interval over the reference period. In case there are less than 5 non-zero values, the threshold is set to 0 (zero). |
| at <investigation date> | Value of instructions settled on the cash account |
| Value exceeded (Y/N) | In case of “Y”, value exceeds the threshold, else “N” |

**Table 27: BPM01 – Output description**

### 5.4.2 BPM02 - Business transaction pattern monitoring - Submission time on T2 closing days

**Context of usage**

This report is part of a set of six reports which shall provide central banks with a possibility to observe significant deviations from RTGS DCA/CB Account normal behaviour in relation to several behaviour traits. Such behaviour might be an indication of fraudulent activities and central banks could act accordingly informing the RTGS DCA holders with which they have a business relationship.

This report provides alerts by RTGS DCA/RTGS CB Account, business day and time intervals of one hour if set thresholds are exceeded in terms of value and/or volume of the RTGS DCA/RTGS CB Account-interval under analysis.

It is the same as report BPM01 but focussing on pacs.008 messages received during closing days (while BPM01 relates to business days)

The underlying data for this report are customer payments data, i.e. pacs.008 payment orders.

The report is based on the default reference period which spans two years going backwards starting from the business day prior to the business day under investigation, but it is possible to choose another period (which is input as optional report parameter).

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If the value corresponding to a certain RTGS DCA/RTGS CB Account–interval on the investigation day exceeds the threshold then an alert will be triggered

Note: In case of a new RTGS DCA/RTGS CB Account, the monitoring starts as of 3 months after its creation.

This report can be used by CBs only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BPM – Business transaction pattern monitoring] >> [BPM02]

**Screenshot – prompt**

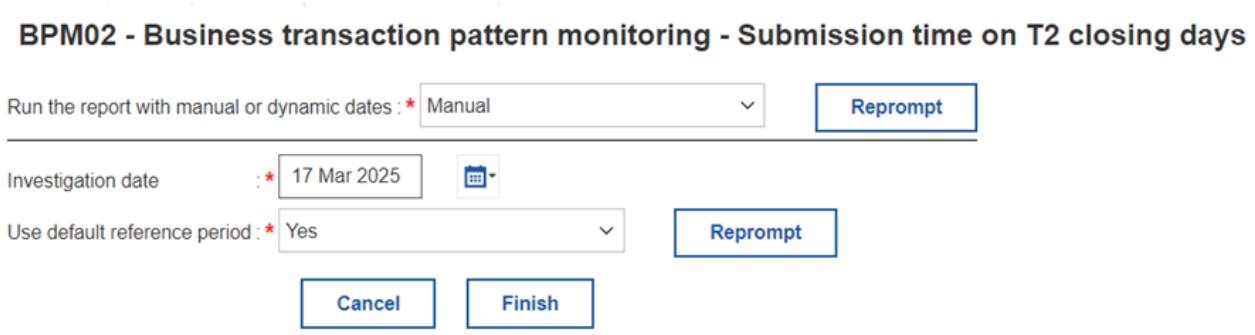



**Figure 225: BPM02 Prompt screen “Yes” - Manual**

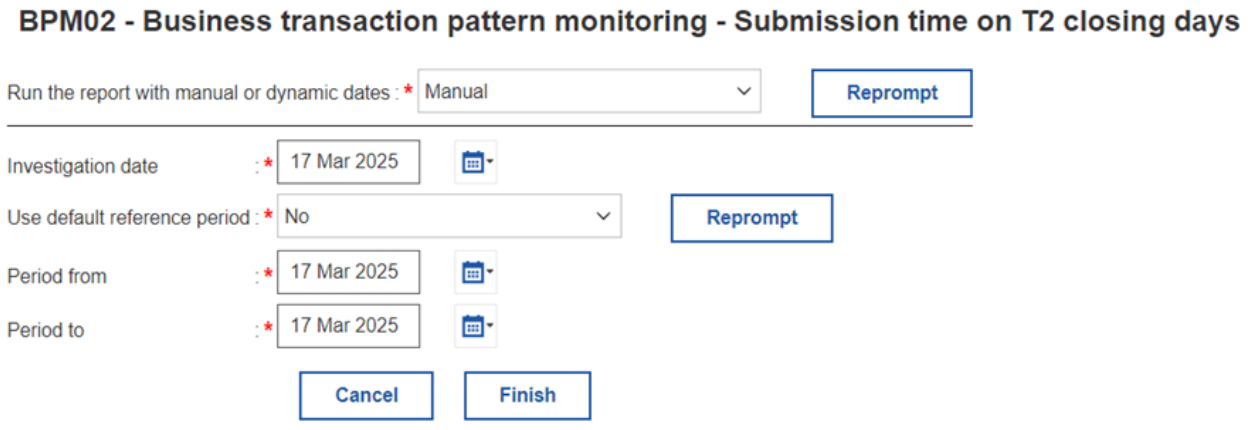



**Figure 226: BPM02 Prompt screen “No” - Manual**

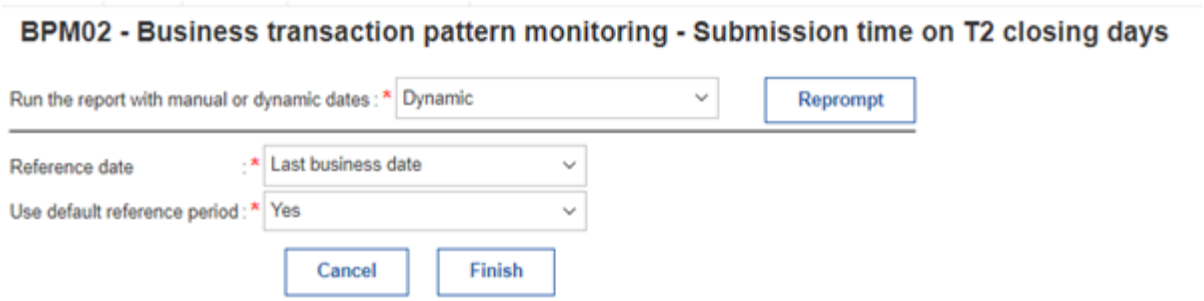



**Figure 227: BPM02 Prompt screen – Dynamic**

## Prompt description

| **BPM02 – Report description – prompt** | |
|---|---|
| **Field label** | **Description** |
| Investigation date: | The date chosen can be the date of the last available data load or any date within the last 10 years.<br>This field is mandatory. |
| Use default reference period | The default reference period spans 2 years in the past calculated from the day prior to the investigation date.<br>If any other period should be the basis for the analysis, the value “No” has to be chosen and a user-defined period has to be selected in the prompt fields “Period from” and “Period to”.<br>Possible values:<br>- Yes (default)<br>- No<br>This field is mandatory. |
| Period from | When “Use default reference period” is “No”:<br>Date picker to select the start of the user-defined reference period. (Must be earlier than the date selected in “Period to”)<br>Hidden if<br>“Use default period” = Yes.<br>This field is mandatory. |
| Period to | When “Use default reference period” is “No”:<br>Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in “Period to”)<br>Hidden if |

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| | |
|---|---|
| | “Use default period” = Yes.<br>This field is mandatory. |

**Table 28: BPM02 - Prompt description**

| BPM02 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>▪ Last Business Day<br>▪ Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Use default reference period | The default reference period spans 2 years in the past calculated from the last business date or the day prior to the last business date.<br>Selectable values:<br>▪ Yes (default)<br>This field is mandatory. |

**Table 29: BPM02 - Prompt description – prompt screen - Dynamic**

## Screenshot - output screen

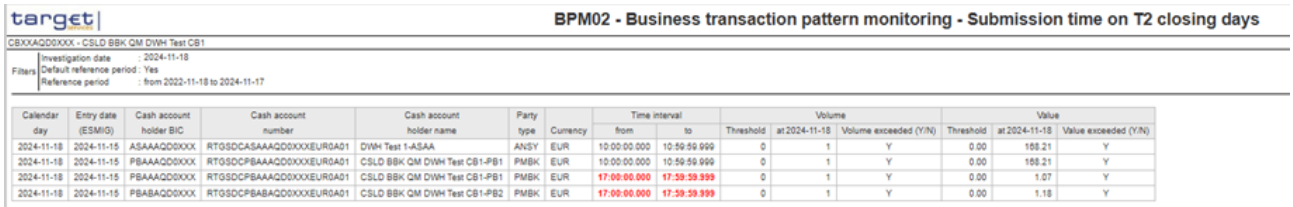



**Figure 228: BPM02 Output**

## Output description

| BPM02 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Calendar day | The business day on which the business transaction was settled. |

| | |
|---|---|
| Entry Date ESMIG | The date at which the transaction was received by ESMIG. |
| Cash account holder BIC | BIC-11 of the cash account holder |
| Cash account number | Number of the RTGS DCA or RTGS CB account |
| Cash account holder name | Short name of the account holder |
| Party type | Party type of the account owner.<br>Possible values:<br>- NCBK<br>- PMBK<br>- ANSY |
| Currency | Currency of the cash account |
| “Time interval” | |
| From | Start time of the hour interval |
| To | End time of the hour interval |
| “Volume” | |
| Threshold | Threshold calculated as 99th percentile of all the non-zero values corresponding to the cash account and the particular time interval over the reference period. In case there are less than 5 non-zero values, the threshold is set to 0 (zero). |
| At <investigation date> | Volume of instructions settled on the cash account |
| Volume exceeded (Y/N) | In case of “Y”, volume exceeds the threshold, else “N” |
| “Value” | |
| Threshold | Threshold calculated as 99th percentile of all the non-zero values corresponding to the cash account and the particular time interval over the reference period. In case there are less than 5 non-zero values, the threshold is set to 0 (zero). |
| At <investigation date> | Value of instructions settled on the cash account |

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| | |
|---|---|
| Value exceeded (Y/N) | In case of “Y”, value exceeds the threshold, else “N” |

**Table 30: BPM02 – Output description**

## 5.4.3 BPM03 - Business transaction pattern monitoring - New parties

**Context of usage**

This report is part of a set of six reports which shall provide central banks with a possibility to observe significant deviations from RTGS DCA/CB Account normal behaviour in relation to several behaviour traits. Such behaviour might be an indication of fraudulent activities and central banks could act accordingly informing the RTGS DCA holders with which they have a business relationship.

This report retrieves transaction level information of RTGS transactions where a BIC is addressed for the first time by another BIC at counterpart level irrespective of whether the addressed BIC is already included in another transaction within the community which is not considered fraudulent.

For a given investigation date pacs.008 messages that fulfil the following criteria will trigger an alarm:

- Any combination of a message BIC from the debtor side with a BIC from the creditor side which appears for the first time in the whole system in the reference period.

An exhaustive list of which BICs of a pacs.008 message are belonging to the debtor side and which BICs are counted on the creditor side can be find in the table below. ~~that address parties (in any of the pacs.008 “party fields”) who appear for the first time in RTGS transactions relative to the reference period and who during the day of investigation are addressed in transactions debited from only one RTGS DCA/RTGS CB Account~~. The reference period spans two years going backwards starting from the ~~business~~ day prior to the business day under investigation.

| **BICs debtor side (Basis of the DWH report)** |
|---|
| Sender BIC |
| Instructing party BIC<br>Intermediary agent 1 BIC<br>Intermediary agent 2 BIC<br>Intermediary agent 3 BIC |
| **Requirements for an alert** |
| *The debited account has been open for more than 3 months and the credited BIC has not received any payments from the debited BIC in the last two years* |
| **BICs creditor side (Alert trigger)** |
| Receiver BIC<br>Instructed party BIC<br>Creditor BIC<br>Creditor agent BIC<br>Ultimate Creditor BIC |

| Fields that may be included in a pacs.008 file but do not trigger any alerts |
| --- |
| *Previous instructing agent 1 BIC* |
| *Previous instructing agent 2 BIC* |
| *Previous instructing agent 3 BIC* |
| *Debtor Organisation BIC* |
| *Debtor Agent BIC* |

**{CR-166}**

The underlying data for this report are customer payments data, i.e. pacs.008 payment orders.

This report can be used by CBs only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BPM – Business transaction pattern monitoring] >> [BPM03]

**Screenshot – prompt**

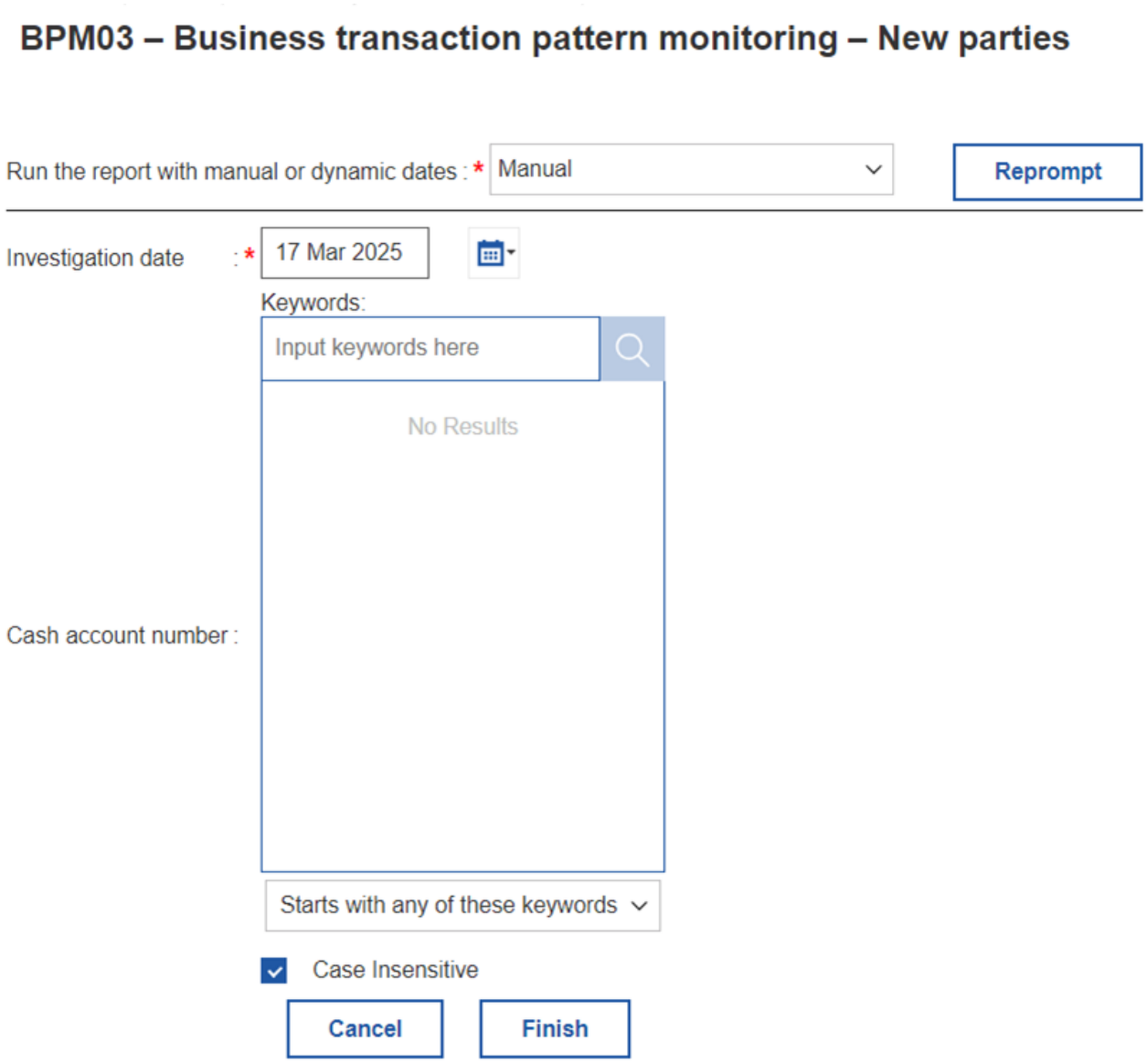



**Figure 229: BPM03 Prompt screen - Manual**

## Prompt description

| **BPM03 – Report description – prompt screen – Manual** | |
|---|---|
| **Field label** | **Description** |
| Investigation date: | Date picker to select an investigation date.<br>The date chosen can be the date of the last available data load or any date within the last 10 years.<br>This field is mandatory. |
| Cash account number | Number of the RTGS DCA or RTGS CB account for which the user intends to run the report |

| | |
|---|---|
| | This field is optional. |

**Table 31: BPM03 – Prompt description – Manual**

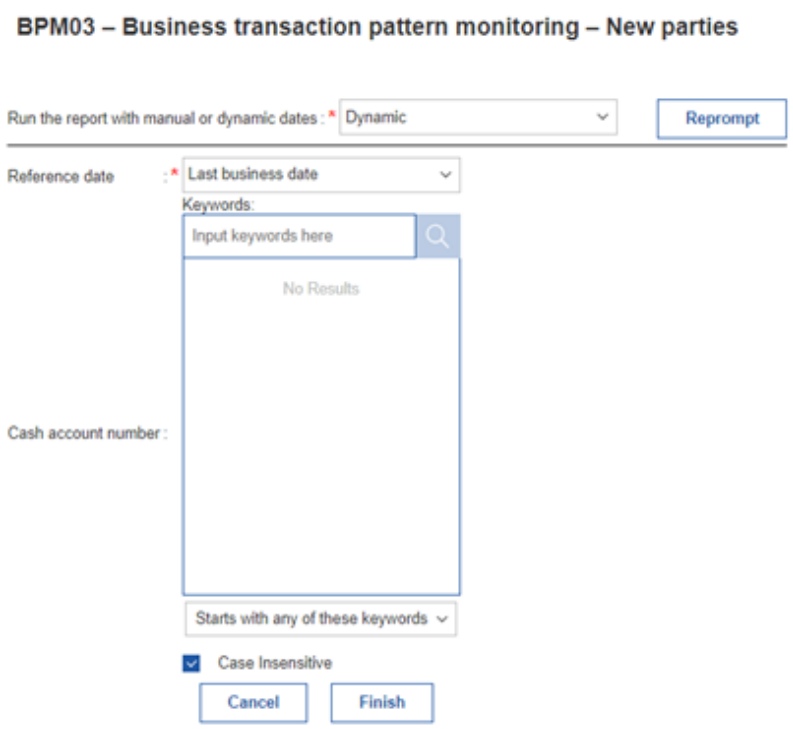
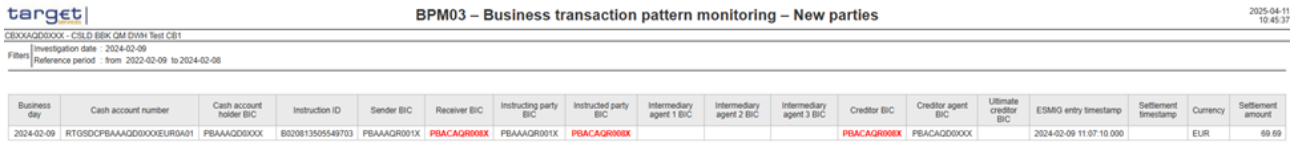



**Figure 230: BPM03 Prompt screen – Dynamic**

| BPM03 – Report description – prompt screen – Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>▪ Last Business Day<br>▪ Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Cash account number | Number of the RTGS DCA or RTGS CB account for which the user intends to run the report |

**Table 32: BPM03 – Prompt description – Dynamic**

## Screenshot - output screen


BPM03 – Business transaction pattern monitoring – New parties

2025-04-11 10:45:37

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters: Investigation date : 2024-02-09
Reference period : from 2022-02-09 to 2024-02-08

| Business day | Cash account number | Cash account holder BIC | Instruction ID | Sender BIC | Receiver BIC | Instructing party BIC | Instructed party BIC | Intermediary agent 1 BIC | Intermediary agent 2 BIC | Intermediary agent 3 BIC | Creditor BIC | Creditor agent BIC | Ultimate creditor BIC | ESMIG entry timestamp | Settlement timestamp | Currency | Settlement amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2024-02-09 | RTGSDCPBAAAQD0XXXEUR0A01 | PBAAAQD0XXX | B020813505549703 | PBAAAQR001X | PBACAQR008X | PBAAAQR001X | PBACAQR008X | | | | PBACAQR008X | PBACAQD0XXX | | 2024-02-09 11:07:10.000 | | EUR | 69.69 |

**Figure 231: BPM03 Output screen**

## Output description

| BPM03 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Business day | The business day on which the business transaction was settled. |
| Cash account number | Number of the RTGS DCA or RTGS CB account |
| Cash account holder BIC | BIC-11 of the cash account owner |
| Instruction ID | Identifier of the instruction |
| Sender BIC | BIC-11 of the sender as stated in the instruction |
| Receiver BIC | BIC-11 of the receiver as stated in the instruction |
| Instructing party BIC | BIC-11 of the instructing party as stated in the instruction |
| Instructed party BIC | BIC-11 of the instructed party as stated in the instruction |
| Intermediary agent 1 BIC | BIC-11 of the intermediary agent 1 as stated in the instruction |
| Intermediary agent 2 BIC | BIC-11 of the intermediary agent 2 as stated in the instruction |
| Intermediary agent 3 BIC | BIC-11 of the intermediary agent 3 as stated in the instruction |
| Creditor BIC | BIC-11 of the creditor as stated in the instruction |
| Creditor agent BIC | BIC-11 of the creditor agent as stated in the instruction |
| Ultimate creditor BIC | BIC-11 of the ultimate creditor as stated in the instruction |
| ESMIG entry timestamp | ESMIG timestamp of the entry of the pacs.008 message |

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| | |
|---|---|
| Settlement timestamp | Settlement timestamp of the instruction |
| Currency | Currency of the instruction |
| Settlement amount | Amount of the instruction |

**Table 33: BPM03 - Output description**

**Known Restrictions**

**Missing BICs from the pacs.008 message**

With the change request T2-0028 Business Transaction Pattern Monitoring Reports the BPM03 predefined report has been introduced, which listed the BICs required to be examined. This list is not exhaustive. The following BIC fields additionally can occur in a pacs.008 message, but they are neither displayed nor analyzed for matching yet:

- PREV_INST_AGT1_BIC
- PREV_INST_AGT2_BIC
- PREV_INST_AGT3_BIC
- DBTR_ORG_BIC
- DBTR_AGT_BIC **{CR-166}**

### 5.4.4 BPM04 - Business transaction pattern monitoring - Failed transactions

**Context of usage**

This report is part of a set of six reports which shall provide central banks with a possibility to observe significant deviations from RTGS DCA/CB Account normal behaviour in relation to several behaviour traits. Such behaviour might be an indication of fraudulent activities and central banks could act accordingly informing the RTGS DCA holders with which they have a business relationship.

This report should retrieve a list of RTGS DCAs/RTGS CB Accounts for which the number/value of failed transactions is above a certain threshold which is built based on the activity during the reference period. The reference period spans two years going backwards starting from the business day prior to the business day under investigation. More precisely this period consists of d-1 to d-730[d-731] calendar days. The threshold is calculated using a coefficient defined by the CB in the prompt screen.

This report has the following two categories of instructions as input:

1. Messages that failed technical or business validation
2. Cash transfers that did not settle due to lack of liquidity

This report can be used by CBs only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BPM – Business transaction pattern monitoring] >> [BPM04]

## Screenshot – prompt

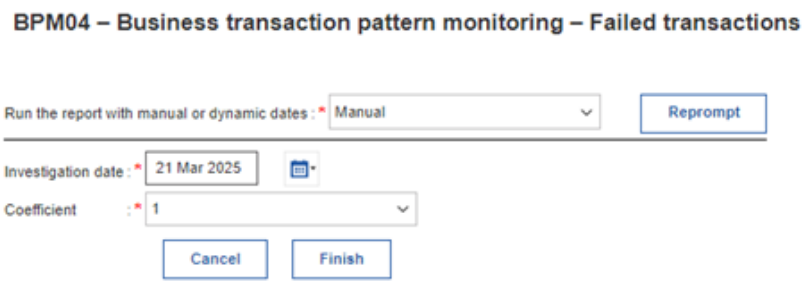



**Figure 232: BPM04 prompt - Manual**

## Prompt description

| BPM04 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Investigation date | Date picker to select an investigation date.<br>This field is mandatory. |
| Coefficient | Pull down list showing the exhaustive list of following values:<br>1 (default)<br>2<br>3<br>This field is mandatory |

**Table 34: BPM04 - Prompt description - Manual**

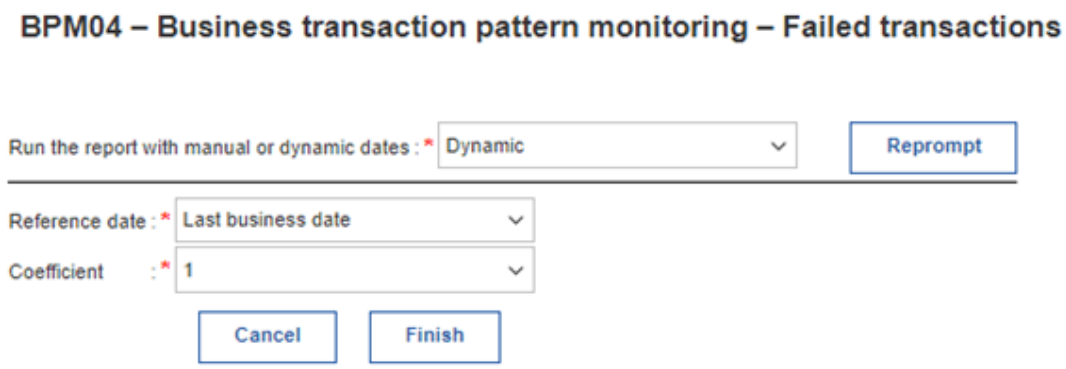



**Figure 233: BPM04 Prompt screen – Dynamic**

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| BPM04 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference date | Indicates the date for which the dynamic report should contain data.<br>Valid values:<br>- Last business date<br>- Prior last business date<br>The system will automatically calculate the date based upon the date at the time of execution.<br>This field is mandatory. |
| Coefficient | Pull down list showing the exhaustive list of following values:<br>- 1 (default)<br>- 2<br>- 3<br>This field is mandatory |

**Table 35: BPM04 - Prompt description - Dynamic**

## Screenshot - output screen

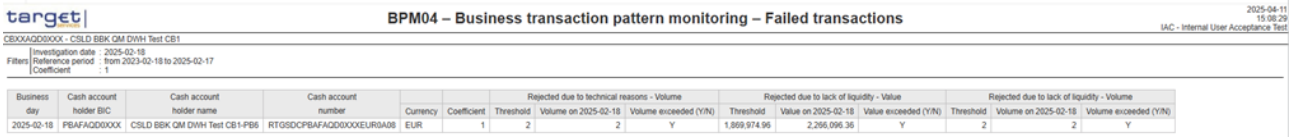



**Figure 234: BPM04 output**

## Output description

| BPM04 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Business day | The business day on which the business transaction was settled. |
| Cash account holder BIC | BIC-11 of the cash account holder |
| Cash account holder name | Short name of the cash account holder |
| Cash account number | Number of the cash account |
| Currency | Currency of the cash account |
| Coefficient | Taken from prompt; the coefficient is used to calculate thresholds |

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| | |
|---|---|
| Rejected due to technical reasons – Volume | |
| Threshold | Threshold calculated from average, standard deviation and coefficient |
| Volume on <investigation date> | Insert investigation date in placeholder |
| Volume exceeded (Y/N) | In case of “Y”, volume exceeds the threshold, else “N” |
| Rejected due to lack of liquidity – Value | |
| Threshold | Threshold calculated from average, standard deviation and coefficient |
| Value on <investigation date> | Insert investigation date in placeholder |
| Value exceeded (Y/N) | In case of “Y”, value exceeds the threshold, else “N” |
| Rejected due to lack of liquidity – Volume | |
| Threshold | Threshold calculated from average, standard deviation and coefficient |
| Volume on <investigation date> | Insert investigation date in placeholder |
| Volume exceeded (Y/N) | In case of “Y”, volume exceeds the threshold, else “N” |

**Table 36: BPM04 - Output description**

### 5.4.5 BPM05 - Business transaction pattern monitoring - Daily volumes and value

**Context of usage**

This report is part of a set of six reports which shall provide central banks with a possibility to observe significant deviations from RTGS DCA/CB Account normal behaviour in relation to several behaviour traits. Such behaviour might be an indication of fraudulent activities and central banks could act accordingly informing the RTGS DCA holders with which they have a business relationship.

This report retrieves a list of RTGS DCAs/RTGS CB Accounts for which the number/value of final transactions (excluding revoked, cancelled and warehoused payments and those sent to T2 on a closing day) is above a certain threshold which is built based on the activity during the reference period. The reference period spans two years going backwards starting from the business day prior to the business day under investigation. The threshold is calculated using a coefficient defined by the CB in the prompt screen.

This report can be used by CBs only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BPM – Business transaction pattern monitoring] >> [BPM05]

## Screenshot – prompt

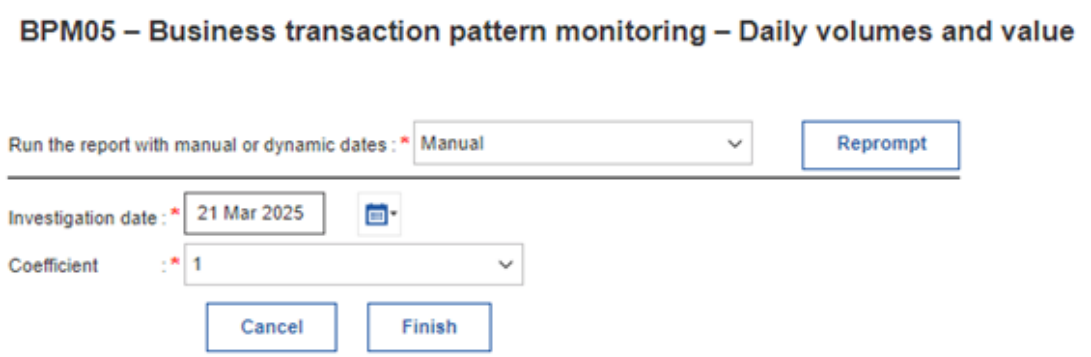



**Figure 235: BPM05 - prompt screen - Manual**

## Prompt description

| BPM05 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Investigation date: | The date chosen can be the date of the last available data load or any date within the last 10 years.<br>This field is mandatory. |
| Coefficient | The coefficient can be changed and directly affects the threshold which decides whether an alarm is raised or not.<br>1 (default)<br>2<br>3<br>This field is mandatory |

**Table 37: BPM05 - Prompt description - Manual**

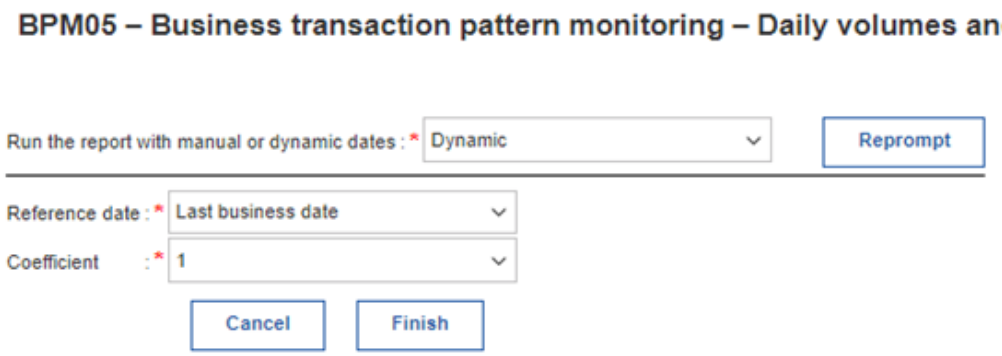



**Figure 236: BPM05 Prompt screen – Dynamic**

| BPM05 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference date | Indicates the date for which the dynamic report should contain data.<br>Valid values:<br>- Last business date<br>- Prior last business date<br>The system will automatically calculate the date based upon the date at the time of execution.<br>This field is mandatory. |
| Coefficient | Pull down list showing the exhaustive list of following values:<br>- 1 (default)<br>- 2<br>- 3<br>This field is mandatory |

**Table 38: BPM05 - Prompt description - Dynamic**

## Screenshot - output screen

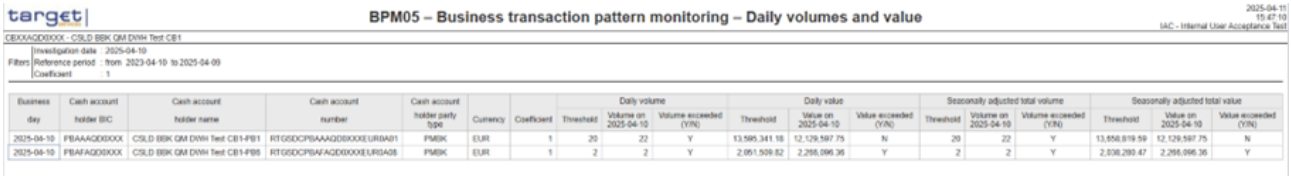



**Figure 237: BPM05 - Output**

## Output description

| BPM05 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Business day | Business day on which the transactions used in the analysis were settled. |
| Cash account holder BIC | BIC-11 of the cash account holder. |
| Cash account holder name | Short name of the cash account holder. |
| Cash account number | Number of the cash account |
| Cash account holder party type | Party type of the cash account holder.<br>Possible values:<br>- NCBK<br>- PMBK<br>- ANSY |
| Cash account number | Number of the cash account |
| Currency | Currency of the cash account |
| Coefficient | As selected in the respective prompt field. |
| “Daily volume” | |
| Threshold | Threshold calculated from average, standard deviation and coefficient |
| Volume on <investigation date> | Volume of final instructions settled on the cash account |
| Volume exceeded (Y/N) | In case of “Y”, the volume exceeds the threshold, else “N” |
| “Daily value” | |
| Threshold | Threshold calculated from average, standard deviation and coefficient |
| Value on <investigation date> | Value of final instructions settled on the cash account |
| Value exceeded (Y/N) | In case of “Y”, the value exceeds the threshold, else “N” |
| “Seasonally adjusted total volume” | |

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| | |
|---|---|
| Threshold | Threshold calculated from average, standard deviation and coefficient |
| Volume on <investigation date> | Seasonally adjusted total volume of final instructions settled on the cash account. |
| Volume exceeded (Y/N) | In case of “Y”, the volume exceeds the threshold, else “N” |
| “Seasonally adjusted total value” | |
| Threshold | Threshold calculated from average, standard deviation and coefficient |
| Value on <investigation date> | Seasonally adjusted total value of final instructions settled on the cash account. |
| Volume exceeded (Y/N) | In case of “Y”, the volume exceeds the threshold, else “N” |

**Table 39: BPM05 - Output description**

### 5.4.6 BPM06 - Business transaction pattern monitoring - Overview of alerts triggered

**Context of usage**

This report is part of a set of six reports, which shall provide central banks with a possibility to observe significant deviations from RTGS DCA/CB Account normal behaviour in relation to several behaviour traits. Such behaviour might be an indication of fraudulent activities and central banks could act accordingly informing the RTGS DCA holders with which they have a business relationship.

This report retrieves a list of RTGS DCAs/RTGS CB Accounts for which at least one alert was triggered by the indicators below.

1. Submission time opening days – value
2. Submission time opening days– volume
3. Submission time closing days – value
4. Submission time closing days – volume
5. New party
6. Failed transactions rejected due to technical reasons – volume
7. Failed transactions rejected due to lack of liquidity – volume
8. Failed transactions rejected due to lack of liquidity – value
9. Total daily value
10. Total daily volume
11. Total daily value seasonally adjusted
12. Total daily volume seasonally adjusted

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An alert occurs when the volume/value of an indicator is above a certain threshold during the reference period. The reference period spans two years going backwards starting from the business day prior to the business day under investigation. For some indicators the threshold is calculated using a coefficient defined by the CB in the prompt screen.

This report can be used by CBs only.

## Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [BPM – Business transaction pattern monitoring] >> [BPM06]

## Screenshot – prompt

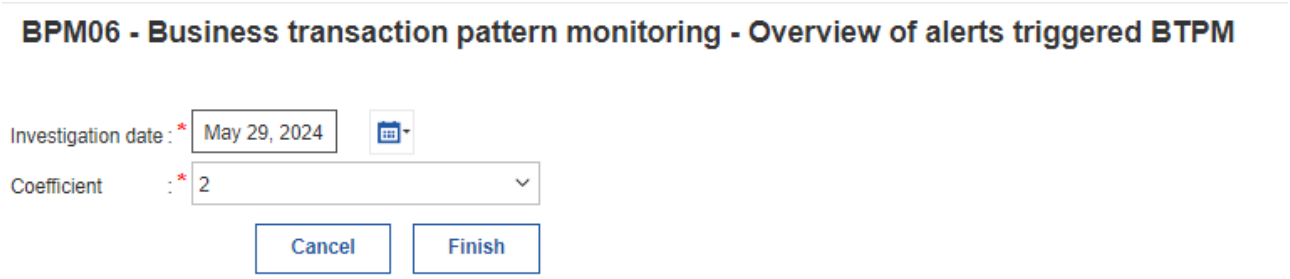



**Figure 238: BPM06 - prompt screen - Manual**

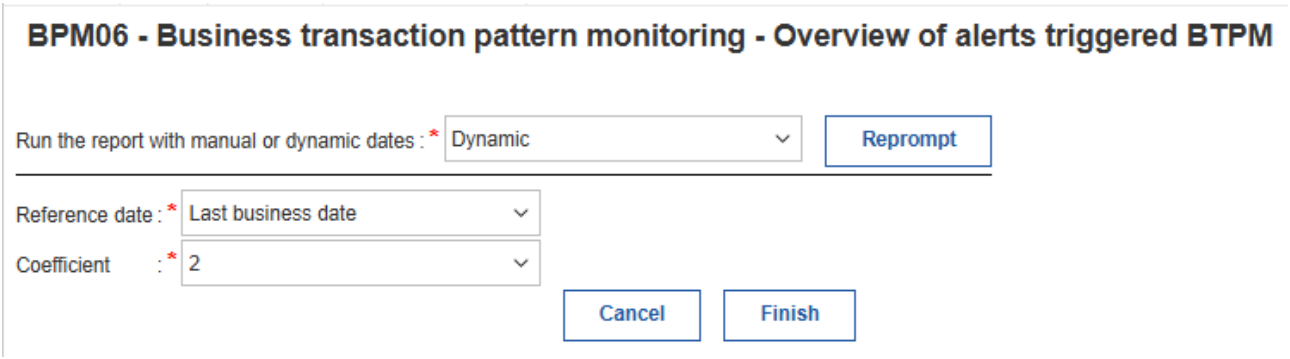



**Figure 239: BPM06 - prompt screen – Dynamic**

## Prompt description

| BPM06 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Investigation date: | The date chosen can be the date of the last available data load or any date within the last 10 years.<br>This field is mandatory. |

| | |
|---|---|
| Coefficient | The coefficient can be changed and directly affects the threshold which decides whether an alarm is raised or not.<br>- 1<br>- 2 (default)<br>- 3<br>This field is mandatory. |

**Table 40: BPM06 - Prompt description - Manual**

| **BPM06 – Report description – prompt screen – Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference date | Indicates the date for which the dynamic report should contain data.<br>Valid values:<br>- Last business date<br>- Prior last business date<br>The system will automatically calculate the date based upon the date at the time of execution.<br>This field is mandatory. |
| Coefficient | Pull down list showing the exhaustive list of following values:<br>- 1 (default)<br>- 2<br>- 3<br>This field is mandatory. |

**Table 41: BPM06 - Prompt description – Dynamic**

## Screenshot - output screen

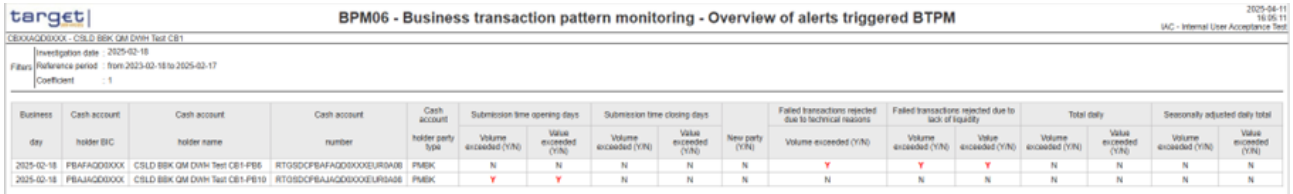



**Figure 240: BPM06 - Output**

## Output description

| **BPM06 – Report description – output screen** |
|---|

| Field label | Description |
|---|---|
| Business day | The business day on which the instructions were settled on which the report is based. |
| Cash account holder BIC | BIC-11 of the cash account holder. |
| Cash account holder name | Short name of the cash account holder. |
| Cash account number | Number of the cash account. |
| Cash account holder party type | Party type of the cash account holder.<br>Possible values:<br>- NCBK<br>- PMBK<br>- ANSY |
| Submission time opening days | |
| Volume exceeded (Y/N) | In case of “Y”, volume of instructions settled on the cah account exceeds the threshold, else “N” |
| Value exceeded (Y/N) | In case of “Y”, value of instructions settled on the cah account exceeds the threshold, else “N” |
| Submission time closing days | |
| Volume exceeded (Y/N) | In case of “Y”, volume of instructions settled on the cah account exceeds the threshold, else “N” |
| Value exceeded (Y/N) | In case of “Y”, value of instructions settled on the cah account exceeds the threshold, else “N” |
| New party (Y/N) | In case of “Y”, a new party involved in an instruction settld on the cash account raised an alarm, else “N” |
| Failed transactions rejected due to technical reasons | |
| Volume exceeded (Y/N) | In case of “Y”, volume of instructions rejected due to technical reasons exceeds the threshold, else “N” |
| Failed transactions rejected due to lack of liquidity | |
| Volume exceeded (Y/N) | In case of “Y”, volume of instructions rejected due lack of liquidity exceeds the threshold, else “N” |

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| | |
|---|---|
| Value exceeded (Y/N) | In case of “Y”, value of instructions rejected due lack of liquidity exceeds the threshold, else “N” |
| Total daily | |
| Volume exceeded (Y/N) | In case of “Y”, total daily volume exceeds the threshold, else “N” |
| Value exceeded (Y/N) | In case of “Y”, total daily value exceeds the threshold, else “N” |
| Seasonally adjusted daily total | |
| Volume exceeded (Y/N) | In case of “Y”, seasonally adjusted daily total volume exceeds the threshold, else “N” |
| Value exceeded (Y/N) | In case of “Y”, seasonally adjusted daily total value exceeds the threshold, else “N” |

**Table 42: BPM06 - Output description**

## 5.5 Contingency reports (CON)

### 5.5.1 CON01 - Cash transfers settled during contingency processing and final contingency account balances

**Context of usage**

This report provides information on the cash transfers settled on accounts in the Contingency Services during a contingency procedure. For each party/contingency account (with at least one cash transfer within a contingency processing) all cash transfers within the contingency processing as well as the final account balance on the contingency account at the time of the closure of the contingency processing are provided.

For each cash transfer the report provides the account number in the Contingency Services, the account number of the cash transfer counterparty in the Contingency Services, the settlement timestamp and the credit or debit amount. Cash transfers on the same account are sorted in chronological order of their settlement timestamp.

In case that several contingency processing sessions occurred within the same business day, the sessions are reported separate.

CBs can retrieve information for parties belonging to their system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [CON – Contingency Reports] >> [CON01]

## Screenshot – prompt

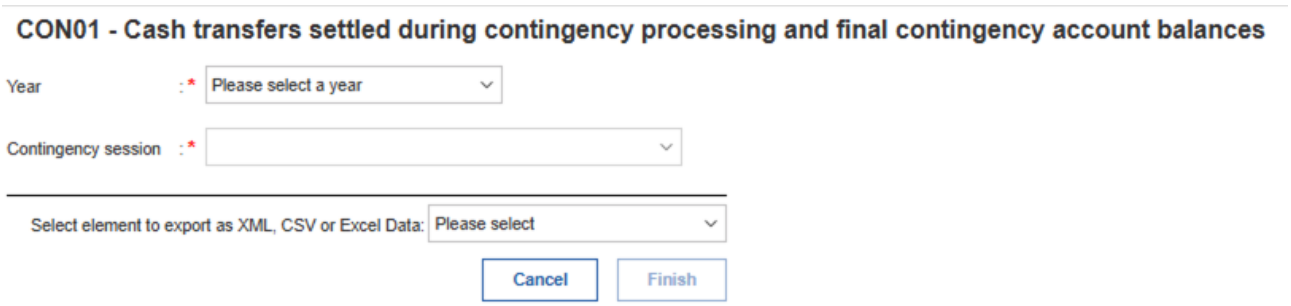


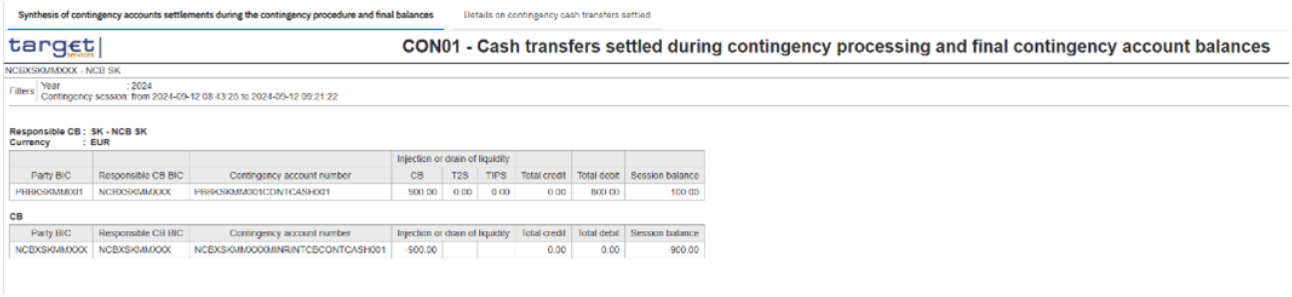

**Figure 241: CON01 prompt**

## Prompt description

| CON01 – Report description – prompt screen | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Contingency session | You can select the contingency session, for which the report should contain the data, depending on the chosen year.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Synthesis of contingency accounts settlements during the contingency procedure and final balances<br>- Details on contingency cash transfers settled<br>This field is optional. |

**Table 43: CON01 - Prompt description**

## Screenshot - output screen


Synthesis of contingency accounts settlements during the contingency procedure and final balances | Details on contingency cash transfers settled

target services

CON01 - Cash transfers settled during contingency processing and final contingency account balances

NCBXSKMMXXX - NCB SK

Filters: Year : 2024
Contingency session: from 2024-09-12 08:43:25 to 2024-09-12 09:21:22

Responsible CB : SK - NCB SK
Currency : EUR

| Party BIC | Responsible CB BIC | Contingency account number | Injection or drain of liquidity: CB | T2S | TIPS | Total credit | Total debit | Session balance |
|---|---|---|---|---|---|---|---|---|
| PBBKSKMM001 | NCBXSKMMXXX | PBBKSKMM001CONTCASH001 | 900.00 | 0.00 | 0.00 | 0.00 | 800.00 | 100.00 |

CB

| Party BIC | Responsible CB BIC | Contingency account number | Injection or drain of liquidity | Total credit | Total debit | Session balance |
|---|---|---|---|---|---|---|
| NCBXSKMMXXX | NCBXSKMMXXX | NCBXSKMMXXXMINRINTCBCONTCASH001 | -900.00 | 0.00 | 0.00 | -900.00 |

**Figure 242: CON01 output (1) (“Synthesis of contingency accounts settlements during the contingency procedure and final balances”)**


Synthesis of contingency accounts settlements during the contingency procedure and final balances | Details on contingency cash transfers settled

target services

CON01 - Cash transfers settled during contingency processing and final contingency account balances

NCBXSKMMXXX - NCB SK

Filters: Year : 2024
Contingency session: from 2024-09-12 08:43:25 to 2024-09-12 09:21:22

Responsible CB : SK - NCB SK
Currency : EUR

| Party BIC | Responsible CB BIC | Contingency account number | Settlement timestamp | Counterpart contingency account number | Counterpart CB | Credit | Debit |
|---|---|---|---|---|---|---|---|
| PBBKSKMM001 | NCBXSKMMXXX | PBBKSKMM001CONTCASH001 | 2024-09-12 09:19:30 | | EU | 0.00 | 800.00 |

**Figure 243: CON01 output (2) (“Details on contingency cash transfers settled”)**

## Output description

| CON01 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| **Tab - Synthesis of contingency accounts settlements during the contingency procedure and final balances** | |
| Responsible CB | ISO-country code and short name of the current CB user. |
| Currency | Currency of the user’s party (current CB). |
| Party BIC | BIC of the party whose details are listed in the following fields |
| Responsible CB BIC | The party BIC of the responsible CB is shown. |
| Parent party BIC | The party BIC of the responsible CB in case the Party BIC belongs to a PB or AS. In case the party BIC belongs to a CB, this field is empty. |
| Contingency account number | The account number of the contingency account of a PB and/or an AS |
| Injection or drain of liquidity | |

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| | |
|---|---|
| CB | Sum of credited (injected) - Sum of debited (drained) amount of liquidity transfers on the current partys contingency account when the counterparty of the liquidity transfer is the CB contingency account. |
| T2S | Sum of credited (injected) - Sum of debited (drained) amount of liquidity transfers on the current partys account when the counterparty of the liquidity transfer is the T2S contingency transit account. |
| TIPS | Sum of credited (injected) - Sum of debited (drained) amount of liquidity transfers on the current partys account when the counterparty of the liquidity transfer is the TIPS contingency transit account |
| Total credit | Sum of credited cash transfers i.e. payment orders and liquidity transfers between the current partys account and any other contingency account (excluding the CB/T2S/ TIPS injections or drains) during the session. |
| Total debit | Sum of debited cash transfers i.e. payment orders and liquidity transfers between the current partys account and any other contingency account (excluding the CB/T2S/ TIPS injections or drains) during the session. |
| Session balance | The available cash balance for the current partys contingency account by the end of the contingency session. |
| One row for the « CB » with the following data for the selected contingency session | |
| Party BIC | BIC of the CB |
| Responsible CB BIC | The party BIC of the responsible CB is shown. |
| Contingency account number | The contingency account number of the CB |
| Injection or drain of liquidity | |
| Injection or drain of liquidity - CB | Sum of credited (drained) - Sum of debited (injected) amount of liquidity transfers on the CBs contingency account when the counterparty of the liquidity transfer is the contingency account of a party within the data scope of the CB |

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| | |
|---|---|
| Total credit | Sum of credited payment orders and liquidity transfers between the CBs contingency account and any other contingency account (excluding the liquidity transfers on the counterparty accounts within the data scope of the CB, i.e. without CB liquidity drains) during the session. |
| Total debit | Sum of debited payment orders and liquidity transfers between the CBs contingency account and any other contingency account (excluding the liquidity transfers on the counterparty accounts within the data scope of the CB, i.e. without CB liquidity injections) during the session. |
| Session balance | The available cash balance for the CB contingency account by the end of the contingency session |
| **Tab - Details on contingency cash transfers settled** | |
| **Field label** | **Description** |
| Responsible CB | ISO-country code and short name of the current CB user. |
| Currency | Currency of the user's party (current CB). |
| Party BIC | BIC of the party whose details are listed in the following fields |
| Parent party BIC | The party BIC of the responsible CB in case the Party BIC belongs to a PB or AS |
| Responsible CB BIC | The party BIC of the responsible CB is shown. |
| Contingency account number | The contingency account number of the party |
| Settlement timestamp | The timestamp at which the cash transfer was settled |
| Counterparty contingency account number | The contingency account number of the counterparty of the cash transfer. |
| Counterparty CB | The country code of the CB of the counterparty of the cash transfer. |
| Credit | Credited value of the cash transfer |
| Debit | Debited value of the cash transfer |

**Table 44: CON01 - Output description**

## 5.5.2 CON02 - Contingency processing - end of procedure account balances per CB

**Context of usage**

This report provides the aggregated balance over all its CB contingency accounts at the end of a contingency procedure for each CB. In addition, the sum of debits and credits during a contingency procedure for each CB contingency account are reported.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [CON – Contingency Reports] >> [CON02]

**Screenshot – prompt**

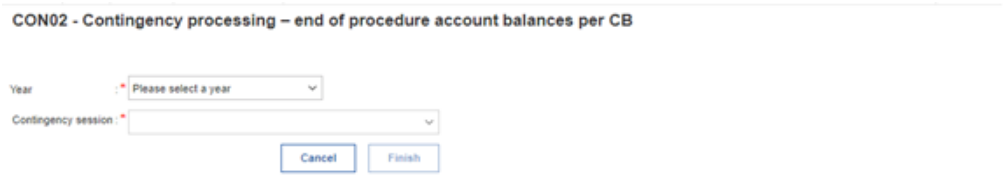


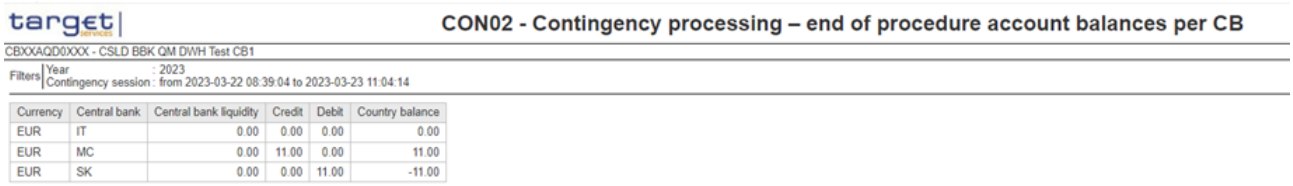

**Figure 244: CON02 prompt**

**Prompt description**

| CON02 – Report description – prompt screen | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Contingency session | You can select the contingency session, for which the report should contain the data, depending on the chosen year.<br>This field is mandatory. |

**Table 45: CON02 - Prompt description**

**Screenshot - output screen**



target services | CON02 - Contingency processing – end of procedure account balances per CB

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Year : 2023
Contingency session : from 2023-03-22 08:39:04 to 2023-03-23 11:04:14

| Currency | Central bank | Central bank liquidity | Credit | Debit | Country balance |
|---|---|---|---|---|---|
| EUR | IT | 0.00 | 0.00 | 0.00 | 0.00 |
| EUR | MC | 0.00 | 11.00 | 0.00 | 11.00 |
| EUR | SK | 0.00 | 0.00 | 11.00 | -11.00 |

**Figure 245: CON02 output**

**Output description**

| CON02 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Currency | ISO currency code |
| Central Bank | Filled with the country code of the CB and the name of the country |
| Central bank liquidity | Central bank liquidity = Sum of CB liquidity drains – Sum of CB liquidity injections against the parties contingency accounts within the CBs data scope + Sum of all contingency transactions crediting any of the CB contingency accounts owned by the CB - Sum of all contingency transactions debiting any of the CB contingency accounts owned by the CB. |
| Credit | Sum over credited amounts of the cash transfers of the PB/As contingency accounts without CB liquidity injections |
| Debit | Sum over debited amounts of the cash transfers of the PB/AS contingency accounts without CB liquidity drains |
| Country balance | Country balance = CB liquidity + Credit – Debit |

**Table 46: CON02 - Output description**

# 5.6 Data extraction reports (DXE)

## 5.6.1 DXE01 - Data extraction reports: Party reference data

**Context of usage**

This report belongs to a group of six reports (DXE01 – DXE06) that give the users the possibility to extract static and transactional data from the DWH data store and have it sent to them as CSV files in order to feed f.ex. a local data warehouse.

All rights reserved.

The report DXE01 allows extraction of party static data which is limited to a set of party service link types to prevent the delivery of parties not being T2 parties or not being involved in the clearing and settlement of cash and liquidity transfer orders.

This report is not limited by any data scope restrictions – all parties will receive all party static data available in CRDM for T2 belonging to the following party service link types:

- RCAH (RTGS CB Account Holder)
- RTRH (RTGS Transit Account Holder)
- RACH (RTGS Account Holder)
- ANSY (Ancillary System)
- CCAH (CLM CB Account Holder)
- CTEH (CLM CB Technical Account Holder)
- CTRH (CLM Transit Account Holder)
- CACH (CLM Account Holder)
- IMMR (Institution managing minimum reserve without account in CLM.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [DXE – Data Extraction Reports] >> [DXE01]

**Screenshot - output screen**

No output screen available – report result is only provided via CSV files.

**Output description**

The report output sent via A2A consists of one file described in detail in chapter DXE01 – party reference data file specification.

## 5.6.2 DXE02 - Data extraction reports: Cash account reference data

**Context of usage**

This report belongs to a group of six reports (DXE01 – DXE06) that give the users the possibility to extract static and transactional data from the DWH data store and have it sent to them as CSV files in order to feed f.ex. a local data warehouse.

The report DXE02 allows extraction of cash account static data belonging to the data scope of the party of the report scheduling user, meaning those cash accounts where the user's party is the account owning or account servicing party.

This report can be used by CB users only.

All rights reserved.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [DXE – Data Extraction Reports] >> [DXE02]

**Screenshot - output screen**

No output screen available – report result is only provided via CSV file.

**Output description**

The report output sent via A2A consists of one file described in detail in chapter DXE02 – Cash account reference data file specification.

### 5.6.3 DXE03 - Data extraction reports: Cash account aggregation group

**Context of usage**

This report belongs to a group of six reports (DXE01 – DXE06) that give the users the possibility to extract static and transactional data from the DWH data store and have it sent to them as CSV files in order to feed f.ex. a local data warehouse.

The report DXE03 allows extraction of cash account or party aggregation data referring to the cash accounts belonging to the data scope of the party of the report scheduling user, meaning aggregations to those cash accounts where the user's party is the account owning or account servicing party, or to the party itself. The following aggregation types exist:

Cash Account:

- Account monitoring group (ACCM]
- Liquidity transfer group (LQTR)
- Settlement bank account group (SETL)

Party:

- Banking group (BANK)

This report can be used by CB users only.

**Data scope**

The report DXE03 provides only CB-relevant aggregations, where

- For cash account aggregations:
  the CB is either account owning or account servicing party of the linked cash account – in other words, where the cash account owning party belongs to the data scope of the CB.
- For party aggregations:
  The party belongs to the data scope of the CB.
- For all:
  The aggregation leader party belongs to the data scope of the CB.

To fulfil the data scope requirements, it is sufficient that one of the three clauses are true. This means, that if the aggregation leader party belongs to the data scope of the CB running the report, the extract will contain all members of the aggregation group irrespective whether they themselves belong to the data scope of the CB or not. If the aggregation leader party does not belong to the data scope of the CB then only those members of the aggregation are extracted, that belong to the data scope of the CB.

Since liquidity transfer groups do not have an aggregation leader, only those members are extracted per default, that belong to the data scope of the CB.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [DXE – Data Extraction Reports] >> [DXE03]

**Screenshot - output screen**

No output screen available – report result is only provided via CSV files.

**Output description**

The report output sent via A2A consists of one file described in detail in chapter DXE03 – Cash account aggregation group file specification.

## 5.6.4 DXE04 - Data extraction reports: Cash account balance and liquidity

**Context of usage**

This report belongs to a group of six reports (DXE01 – DXE06) that give the users the possibility to extract static and transactional data from the DWH data store and have it sent to them as CSV files in order to feed f.ex. a local data warehouse.

The report DXE04 allows extraction of data concerning the liquidity of cash accounts belonging to the data scope of the party of the report scheduling user, meaning liquidity data of those cash accounts where the user's party is the account owning or account servicing party. This report can be used by CB users only.

The report can be used by CBs only.

**Report access**

This report can be reached in the following way:

All rights reserved.

[Team Content] >> [Predefined Reports] >> [DXE – Data Extraction Reports] >> [DXE04]

## Screenshot – prompt

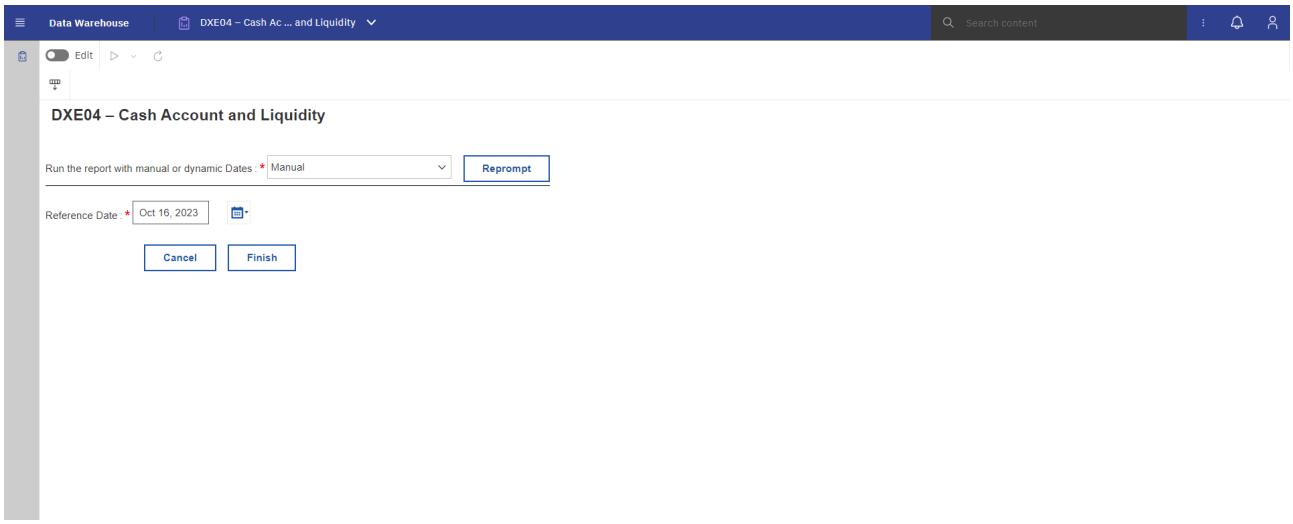



**Figure 246: DXE04 prompt - Manual**

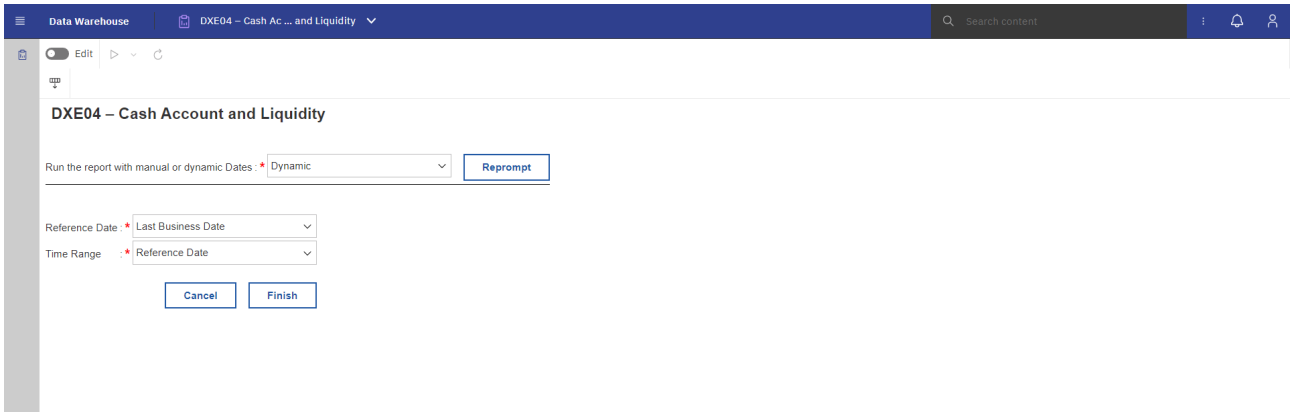



**Figure 247: DXE04 prompt - Dynamic**

## Prompt description

| DXE04 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>“Last Business Date”<br>“Prior Last Business Date”<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |

| | |
|---|---|
| Date Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>“Month-to-Date”<br>“Week-to-Date”<br>“Reference Date”<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |

**Table 47: DXE04 - Prompt description - Manual**

| **DXE04 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |

**Table 48: DXE04 - Prompt description – Dynamic**

**Screenshot – output screen**

No output screen available – report result is only provided via CSV files.

**Output description**

The report output sent via A2A consists of one file described in detail in chapter DXE04 – Cash account balance and liquidity file specification.

## 5.6.5 DXE05 - Data extraction reports: Cash transfer orders

**Context of usage**

This report belongs to a group of six reports (DXE01 – DXE06) that give the users the possibility to extract static and transactional data from the DWH data store and have it sent to them as CSV files in order to feed f.ex. a local data warehouse.

All rights reserved.

The report DXE05 allows extraction of transactional data of cash accounts belonging to the data scope of the party of the report scheduling user, meaning cash transfer orders impacting those cash accounts where the user's party is the account owning or account servicing party.

The report can be used by CBs only.

## Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [DXE – Data Extraction Reports] >> [DXE05]

## Screenshot – prompt

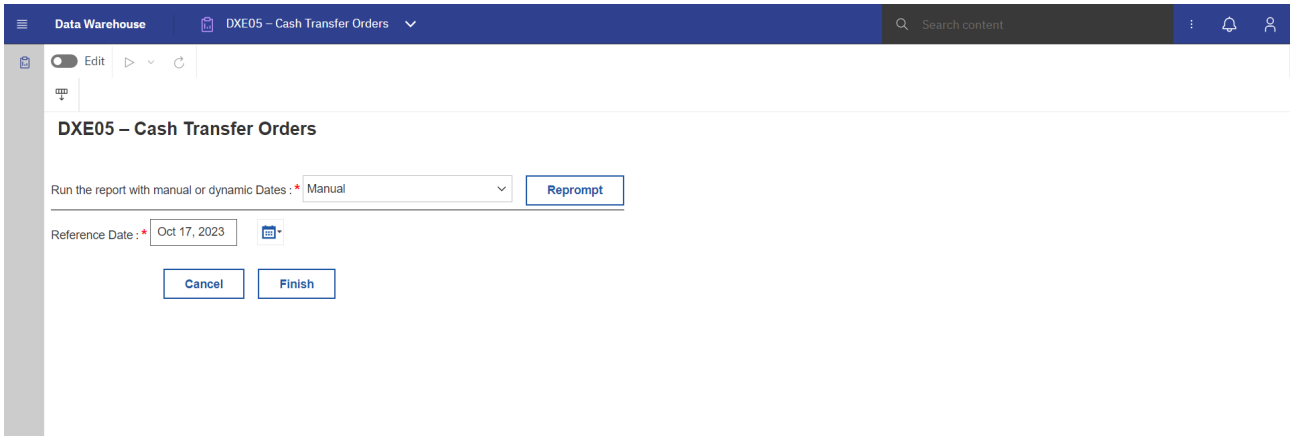



**Figure 248: DXE05 prompt - Manual**

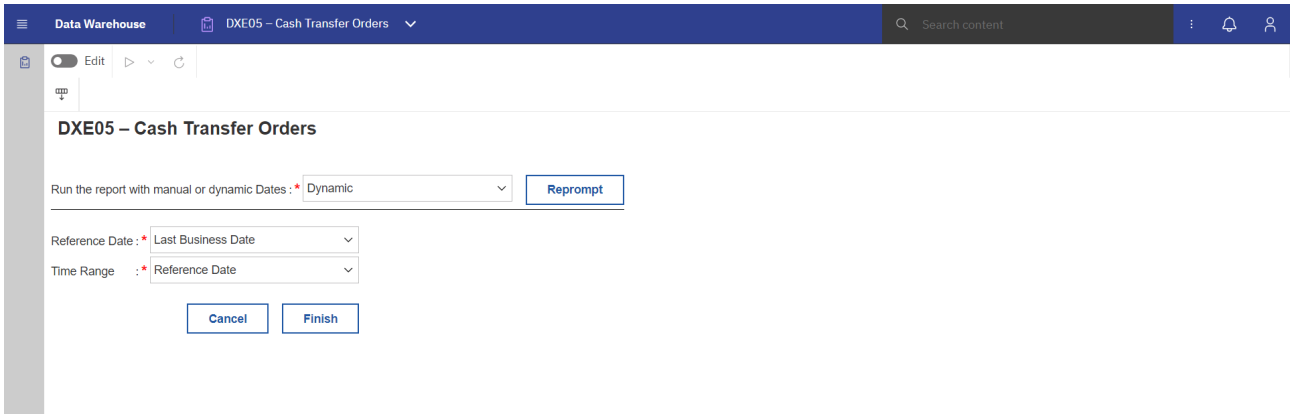



**Figure 249: DXE05 prompt - Dynamic**

## Prompt description

| DXE05 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Reference Date | This field is mandatory. |

| | |
|---|---|
| Date Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>“Month-to-Date”<br>“Week-to-Date”<br>“Reference Date”<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |

**Table 49: DXE05 - Prompt description - Manual**

| **DXE05 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |

**Table 50: DXE05 - Prompt description – Dynamic**

**Screenshot – output screen**

No output screen available – report result is only provided via CSV files.

**Output description**

The report output sent via A2A consists of one file described DXE05 – Cash transfers orders/cash transfer file specification.

## 5.6.6 DXE06 - Data extraction reports: Business day event

**Context of usage**

This report belongs to a group of six reports (DXE01 – DXE06) that give the users the possibility to extract static and transactional data from the DWH data store and have it sent to them as CSV files in order to feed f.ex. a local data warehouse.

All rights reserved.

The report DXE06 allows extraction of business day data along with the events and the scheduled and actual timestamps.

The report can be used by CBs only.

## Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [DXE – Data Extraction Reports] >> [DXE06]

## Screenshot – prompt

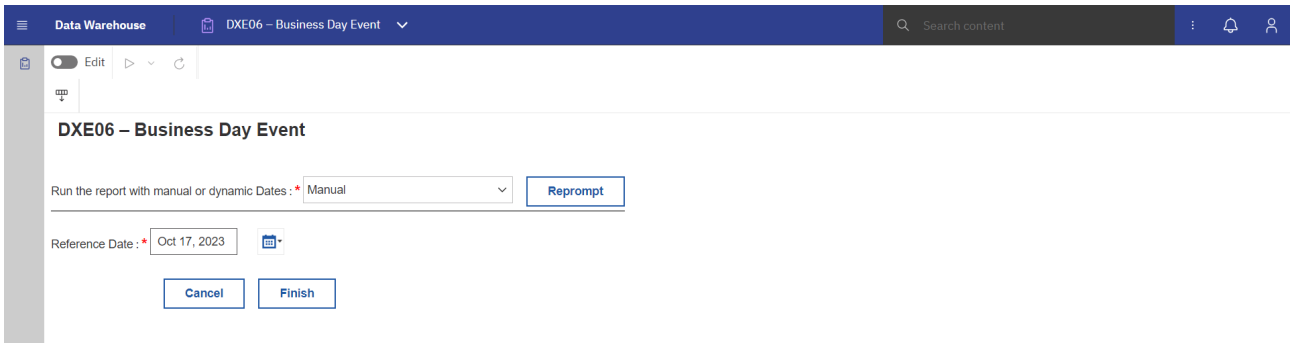



**Figure 250: DXE06 prompt - Manual**

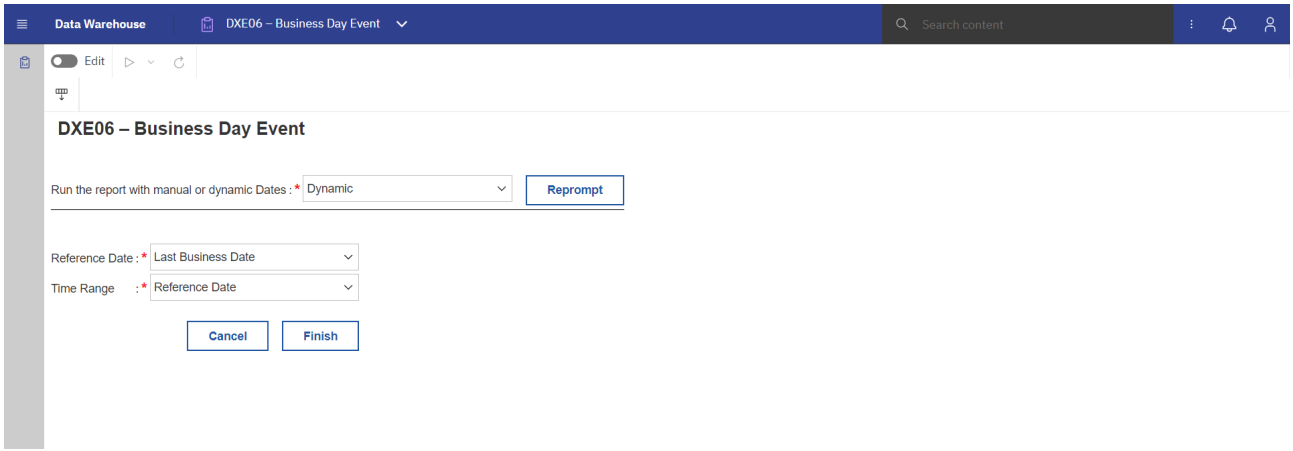



**Figure 251: DXE06 prompt - Dynamic**

## Prompt description

| DXE06 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values: |

| | |
|---|---|
| | “Last Business Date”<br>“Prior Last Business Date”<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Date Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>“Month-to-Date”<br>“Week-to-Date”<br>“Reference Date”<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |

**Table 51: DXE06 - Prompt description - Manual**

| **DXE06 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |

**Table 52: DXE06 - Prompt description – Dynamic**

## Screenshot - output screen

No output screen available – report result is only provided via CSV files.

## Output description

The report output sent via A2A consists of one file described DXE06 – Business day file specification.

# 5.7 Intraday credit reports (IDC)

## 5.7.1 IDC01 - Daily Intraday credit (IDC) community indicators

**Context of usage**

This report provides a set of community indicators related to the use of credit lines and IDC. The indicators focus on those default main cash accounts (MCAs) belonging to the system entity of each CB and having at least once within the respective business day a credit line > 0.

For the respective business day the number of default MCAs with a credit line > 0 and the number of those with a negative intraday balance (IDC used) is reported. In addition, the report provides calculations (lowest community value, highest community value and time weighted average value) for the aggregated credit line amounts, IDC use and queued cash transfer orders.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [IDC – Intraday Credit Reports] >> [IDC01]

**Screenshot – prompt**




**Figure 252: IDC01 prompt - Manual**

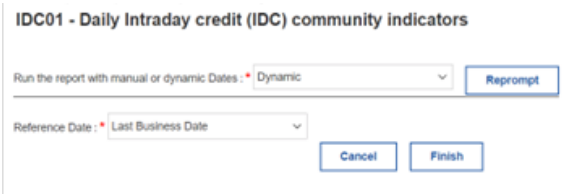



**Figure 253: IDC01 prompt - Dynamic**

**Prompt description**

| **IDC01 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Date | You can select the date by clicking on the calendar. |

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| | |
|---|---|
| | For valid report results, the current day cannot be selected.<br>This field is mandatory. |

**Table 53: IDC01 - Prompt description - Manual**

| IDC01 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Reference Date for which the data shall be displayed.<br>Possible values:<br>- Last Business Date<br>- Prior Last Business Date<br>This field is mandatory. |

**Table 54: IDC01 - Prompt description - Dynamic**

## Screenshot - output screen

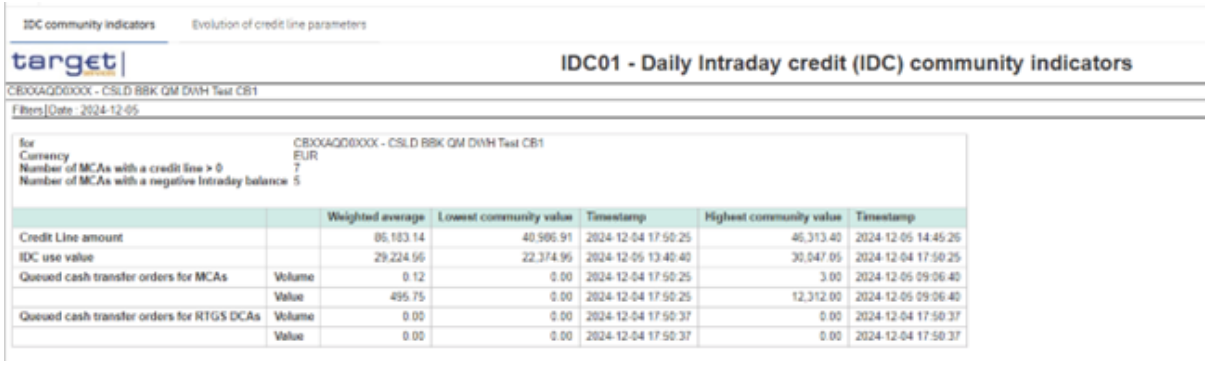



**Figure 254: IDC01 Output (1) - IDC community indicators**

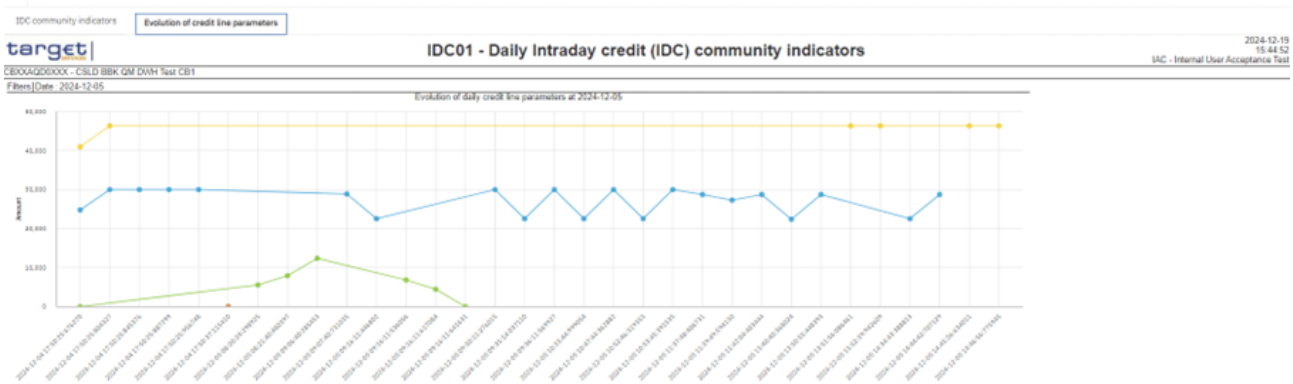



**Figure 255: IDC01 Output (2) - Evolution of credit line parameters**

## Output description

| IDC01 – Report description – output screen |
|---|

| Field label | Description |
|---|---|
| For | Shows the BIC for which the report displays the data. |
| Currency | Shows the ISO currency code of the CB. |
| Number of MCAs with a credit line > 0 | Number of all MCAs, which had a credit line > 0 at least once during the selected date. |
| Number of MCAs with a negative intraday balance | Number of those MCAs that had a negative account balance at least once during the selected date. |
| Credit line amount | Amount of credit line |
| Weighted average | Weighted average of the credit line amount (Time based on a minute-level excluding the maintenance times during the business day) |
| Lowest community value | Lowest community value of the credit line amount |
| Timestamp | For lowest community level, this is the timestamps, when the community-wide values for the Credit line amount, the IDC use etc. reached their minimum. |
| Highest community value | Highest community value of the credit line amount |
| Timestamp | For highest community level, this is the timestamps, when the community-wide values for the Credit line amount, the IDC use etc. reached their maximum. |
| IDC use value | Total amount of intraday credit use |
| Weighted average | Weighted average of the IDC use value (Time based on a minute-level excluding the maintenance times during the business day). |
| Lowest community value | Lowest community value of the IDC use |
| Timestamp | For lowest community level |
| Highest community value | Highest community level of the IDC used |
| Timestamp | For highest community level |
| Queued cash transfer orders for MCAs<br>volume / value | Queued cash transfer orders for the default MCAs |
| Weighted average volume / value | Weighted average volume/value of queued cash transfer orders for the default MCAs in CLM |

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| | |
|---|---|
| Lowest community volume / value | Lowest community volume/value of queued cash transfer orders for the default MCAs in CLM |
| Timestamp | For lowest community level |
| Highest community volume / value | Highest community volume/value of queued cash transfer orders for the default MCAs in CLM |
| Timestamp | For highest community level |
| Queued cash transfer orders for RTGS DCAs<br>volume / value | Queued cash transfer orders for the RTGS DCAs that are linked to a default MCA which had a credit line > 0 at least once a day |
| Weighted average volume / value | Weighted average volume/value of queued cash transfer orders for the RTGS DCAs that are linked to a default MCA which had a credit line > 0 at least once a day. |
| Lowest community volume / value | Lowest community volume/value of queued cash transfer orders for the RTGS DCAs that are linked to a default MCA which had a credit line > 0 at least once a day. |
| Timestamp | For lowest community level |
| Highest community volume / value | Highest community volume/value of queued cash transfer orders for the RTGS DCAs that are linked to a default MCA which had a credit line > 0 at least once a day. |
| Timestamp | For highest community level |
| Evolution of credit line parameters | |
| Graph 1 | Evolution of daily credit line indicators<br>Cartesian coordinate system, y-axis representing the amount, x-axis representing the time (hours of the business day) |

**Table 55: IDC01 - Output description**

## 5.7.2 IDC02 - Credit line/IDC daily reporting

**Context of usage**

The report IDC02 provides information related to the amount of credit line, the use of IDC and queued cash transfer orders on a given business day for a selected holder of a default MCA.

CBs can retrieve information on default MCAs of those parties belonging to their system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [IDC – Intraday Credit Reports] >> [IDC02]

**Screenshot – prompt**

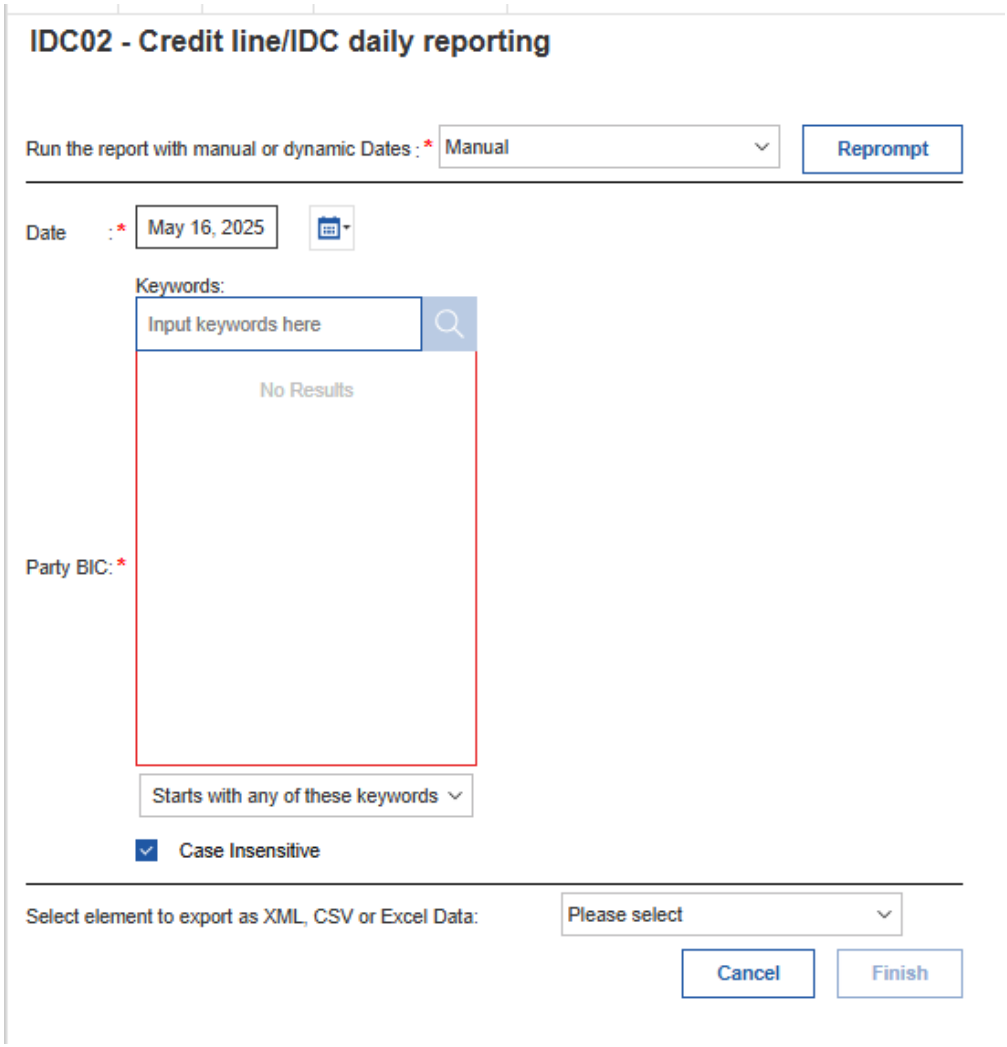



**Figure 256: IDC02 prompt - Manual**

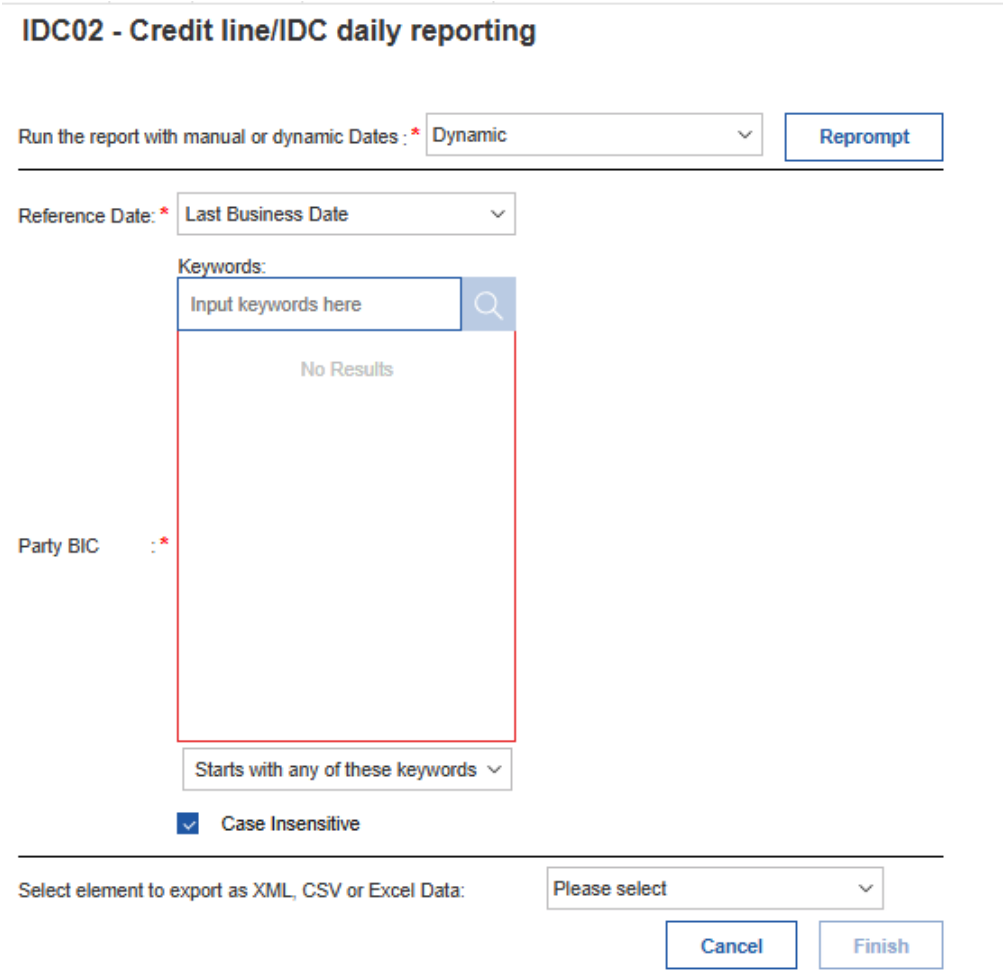



**Figure 257: IDC02 prompt - Dynamic**

## Prompt description

| **IDC02 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Date | You can select the date by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the Party BIC. This field will show all related BIC´s, which belong to the party.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Amount of credit line<br>- Amount of IDC used<br>- Queued cash transfer orders |

| | |
|---|---|
| | This field is optional. |

**Table 56: IDC02 - Prompt description - Manual**

| IDC02 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Reference Date for which the data shall be displayed.<br>Possible values:<br>- Last Business Date<br>- Prior Last Business Date<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the Party BIC. This field will show all related BIC´s, which belong to the party.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Amount of credit line<br>- Amount of IDC used<br>- Queued cash transfer orders<br>This field is optional. |

**Table 57: IDC02 - Prompt description - Dynamic**

## Screenshot - output screen

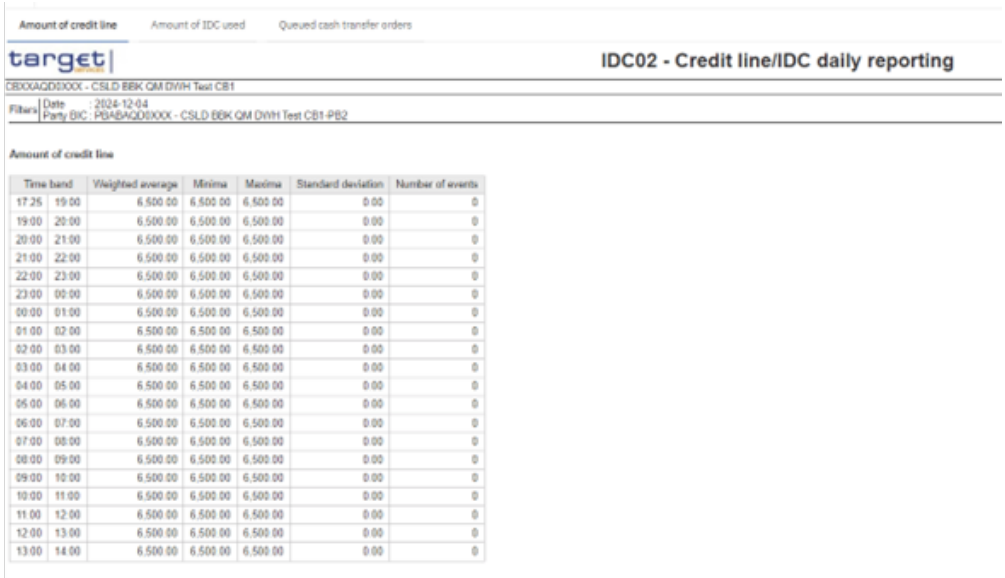
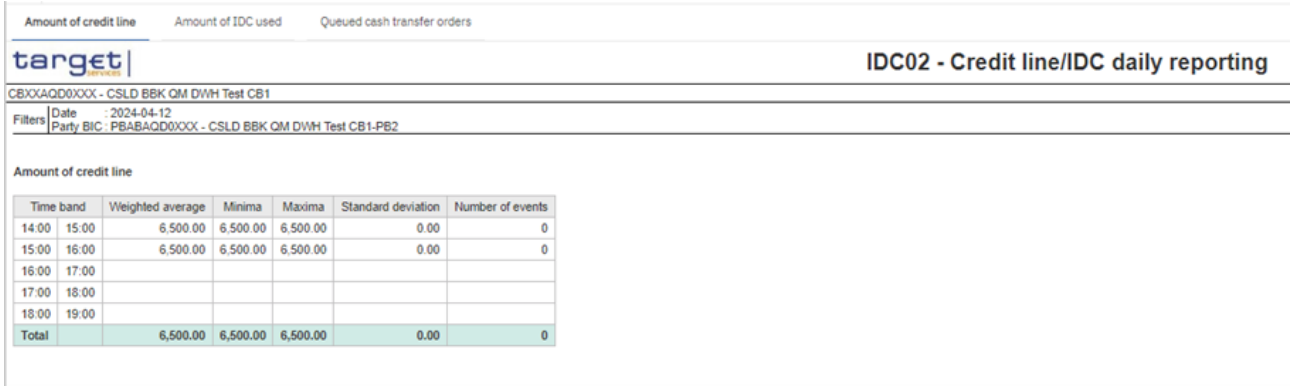



**Figure 258: IDC02 output (1) - Amount of credit line (1)**



Amount of credit line | Amount of IDC used | Queued cash transfer orders

target services

IDC02 - Credit line/IDC daily reporting

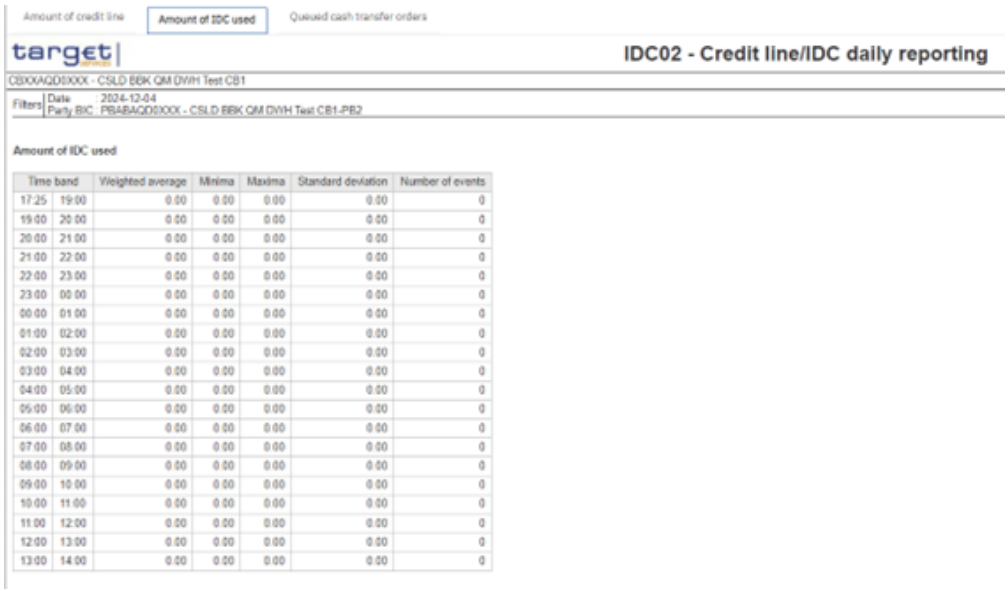
CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date : 2024-04-12
Party BIC : PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2

Amount of credit line

| Time band | | Weighted average | Minima | Maxima | Standard deviation | Number of events |
|---|---|---|---|---|---|---|
| 14:00 | 15:00 | 6,500.00 | 6,500.00 | 6,500.00 | 0.00 | 0 |
| 15:00 | 16:00 | 6,500.00 | 6,500.00 | 6,500.00 | 0.00 | 0 |
| 16:00 | 17:00 | | | | | |
| 17:00 | 18:00 | | | | | |
| 18:00 | 19:00 | | | | | |
| Total | | 6,500.00 | 6,500.00 | 6,500.00 | 0.00 | 0 |

**Figure 259: IDC02 output (1) - Amount of credit line (2)**



Amount of credit line | Amount of IDC used | Queued cash transfer orders

target services

IDC02 - Credit line/IDC daily reporting

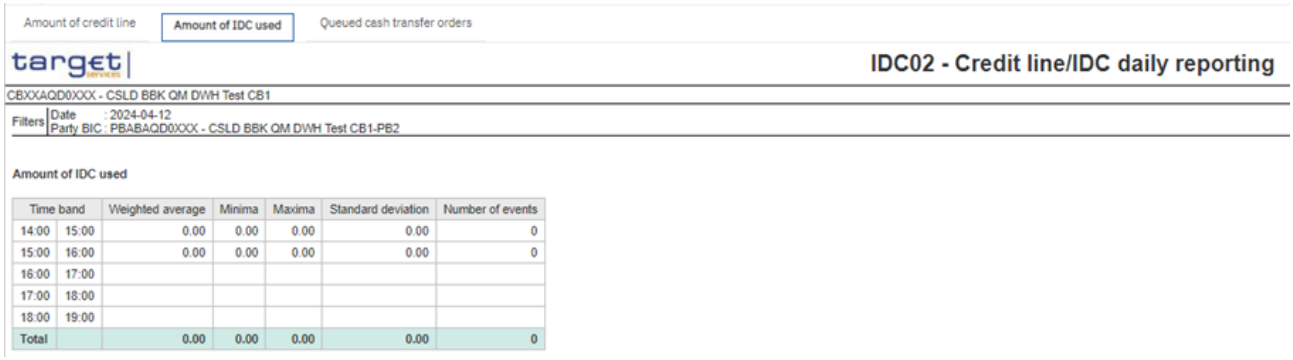
CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date : 2024-12-04
Party BIC : PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2

Amount of IDC used

| Time band | | Weighted average | Minima | Maxima | Standard deviation | Number of events |
|---|---|---|---|---|---|---|
| 17:25 | 19:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 19:00 | 20:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 20:00 | 21:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 21:00 | 22:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 22:00 | 23:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 23:00 | 00:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 00:00 | 01:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 01:00 | 02:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 02:00 | 03:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 03:00 | 04:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 04:00 | 05:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 05:00 | 06:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 06:00 | 07:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 07:00 | 08:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 08:00 | 09:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 09:00 | 10:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 10:00 | 11:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 11:00 | 12:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 12:00 | 13:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 13:00 | 14:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |

**Figure 260: IDC02 output (2) - Amount of IDC used (1)**



Amount of credit line | Amount of IDC used | Queued cash transfer orders

target services

IDC02 - Credit line/IDC daily reporting

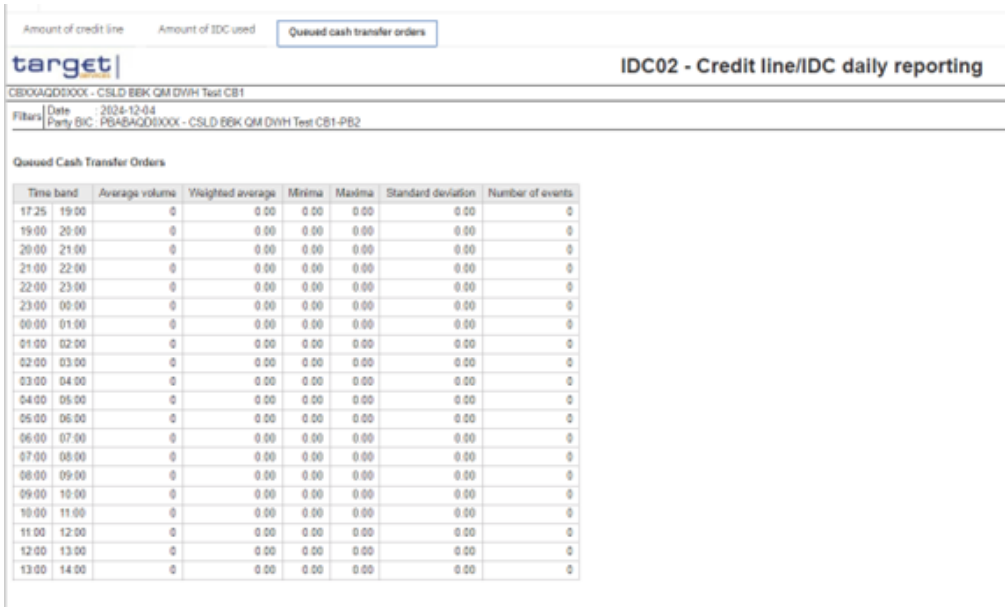
CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date : 2024-04-12
Party BIC : PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2

Amount of IDC used

| Time band | | Weighted average | Minima | Maxima | Standard deviation | Number of events |
|---|---|---|---|---|---|---|
| 14:00 | 15:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 15:00 | 16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 16:00 | 17:00 | | | | | |
| 17:00 | 18:00 | | | | | |
| 18:00 | 19:00 | | | | | |
| Total | | 0.00 | 0.00 | 0.00 | 0.00 | 0 |

**Figure 261: IDC02 output (2) - Amount of IDC used (2)**


Amount of credit line | Amount of IDC used | Queued cash transfer orders

target services

IDC02 - Credit line/IDC daily reporting

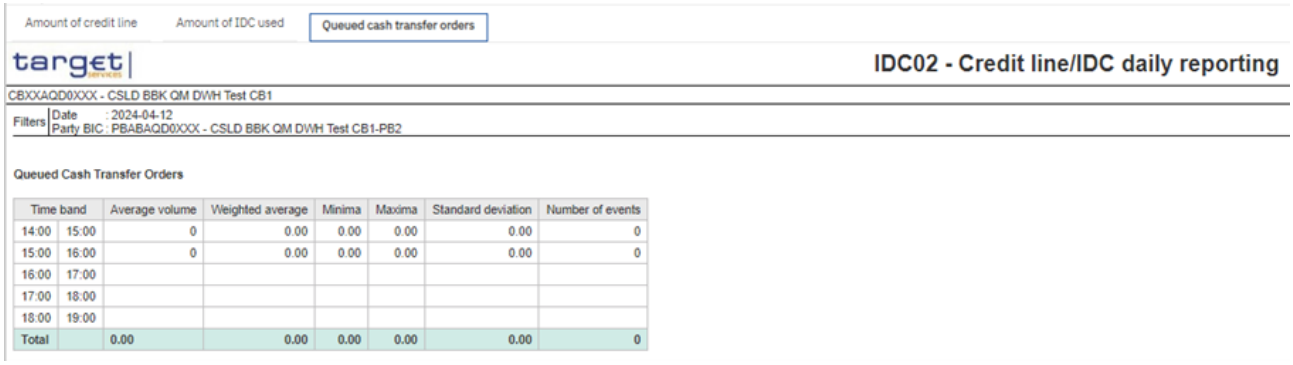
CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date : 2024-12-04
Party BIC : PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2

Queued Cash Transfer Orders

| Time band | | Average volume | Weighted average | Minima | Maxima | Standard deviation | Number of events |
|---|---|---|---|---|---|---|---|
| 17:25 | 19:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 19:00 | 20:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 20:00 | 21:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 21:00 | 22:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 22:00 | 23:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 23:00 | 00:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 00:00 | 01:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 01:00 | 02:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 02:00 | 03:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 03:00 | 04:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 04:00 | 05:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 05:00 | 06:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 06:00 | 07:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 07:00 | 08:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 08:00 | 09:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 09:00 | 10:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 10:00 | 11:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 11:00 | 12:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 12:00 | 13:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 13:00 | 14:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |

**Figure 262: IDC02 output (3) - Queued cash transfer orders (1)**


Amount of credit line | Amount of IDC used | Queued cash transfer orders

target services

IDC02 - Credit line/IDC daily reporting

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date : 2024-04-12
Party BIC : PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2

Queued Cash Transfer Orders

| Time band | | Average volume | Weighted average | Minima | Maxima | Standard deviation | Number of events |
|---|---|---|---|---|---|---|---|
| 14:00 | 15:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 15:00 | 16:00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| 16:00 | 17:00 | | | | | | |
| 17:00 | 18:00 | | | | | | |
| 18:00 | 19:00 | | | | | | |
| Total | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |

**Figure 263: IDC02 output (3) - Queued cash transfer orders (2)**

## Output description

| **IDC02 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Following details are available in separate tables for:<br>Amount of credit line/ Amount of IDC used/ Queued Cash Transfer Orders | |
| Time band | Time band in one hour interval. |
| Average volume | For “Queued cash transfer orders” table only: Average number of queued cash transfer orders in the timeframe 19:00:00 – 18:00:00 |
| Weighted average | Weighted average of |

| | |
|---|---|
| | - the credit line amount<br>- the amount of IDC used<br>- the sum of values of queued cash transfer orders<br>- for the time band |
| Minima | Minimum of<br>- the credit line amount<br>- the amount of IDC used<br>- the sum of values of queued cash transfer orders<br>- for the time band |
| Maxima | Maximum of<br>- the credit line amount<br>- the amount of IDC used<br>- the sum of values of queued cash transfer orders<br>- for the time band |
| Standard deviation | Standard deviation of<br>- the credit line amount values<br>- the amounts of IDC used<br>- the sum of values of queued cash transfer orders<br>- during the time band |
| Number of events | The number of<br>- changes to the credit line<br>- changes to the account balance influencing the IDC use<br>- Queued cash transfers<br>- during the time band |

**Table 58: IDC02 - Output description**

## 5.7.3 IDC03 - Credit line/IDC averages and maxima (account level)

**Context of usage**

This report provides information related to the credit line and IDC development during a given date range for a selected holder of a default MCA. For each business day within the given date range the weighted average and maximum amount of credit line amount and IDC use are reported.

CBs can retrieve information on default MCAs of those parties belonging to their system entity.

This report can be used by CB, PB and AS users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [IDC – Intraday Credit Reports] >> [IDC03]

## Screenshot – prompt

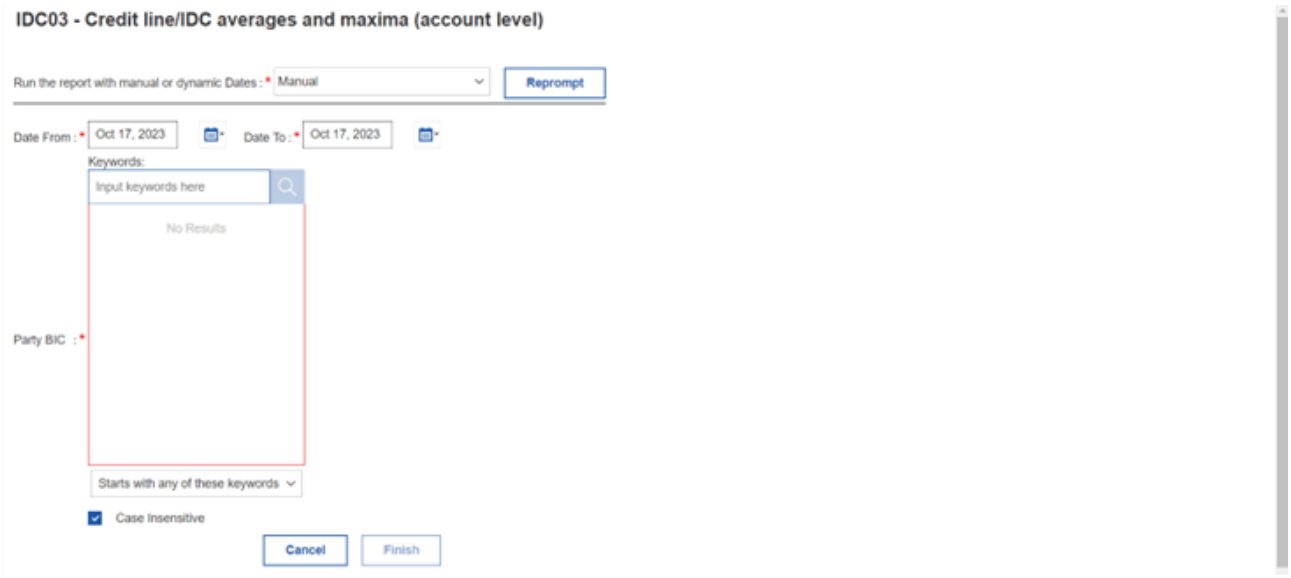



**Figure 264: IDC03 prompt - Manual**

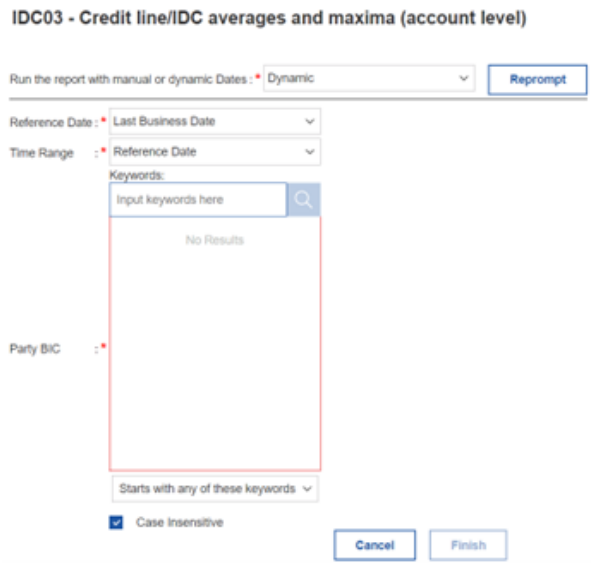



**Figure 265: IDC03 prompt - Dynamic**

## Prompt description

| IDC03 – Report description –prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |

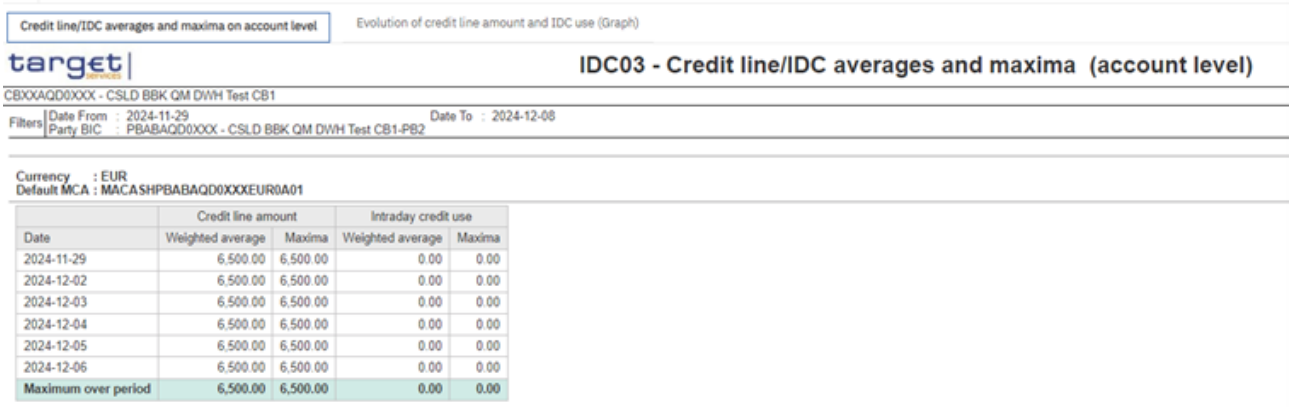
| | |
|---|---|
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BIC´s, which belong to the party.<br>This field is mandatory. |

**Table 59: IDC03 - Prompt description - Manual**

| **IDC03 – Report description –prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BIC´s, which belong to the party.<br>This field is mandatory. |

**Table 60: IDC03 - Prompt description - Dynamic**

## Screenshot - output screen



Credit line/IDC averages and maxima on account level | Evolution of credit line amount and IDC use (Graph)

target services

IDC03 - Credit line/IDC averages and maxima (account level)

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date From : 2024-11-29 | Date To : 2024-12-08
Party BIC : PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2

Currency : EUR
Default MCA : MACASHPBABAQD0XXXEUR0A01

| | Credit line amount | | Intraday credit use | |
|---|---|---|---|---|
| Date | Weighted average | Maxima | Weighted average | Maxima |
| 2024-11-29 | 6,500.00 | 6,500.00 | 0.00 | 0.00 |
| 2024-12-02 | 6,500.00 | 6,500.00 | 0.00 | 0.00 |
| 2024-12-03 | 6,500.00 | 6,500.00 | 0.00 | 0.00 |
| 2024-12-04 | 6,500.00 | 6,500.00 | 0.00 | 0.00 |
| 2024-12-05 | 6,500.00 | 6,500.00 | 0.00 | 0.00 |
| 2024-12-06 | 6,500.00 | 6,500.00 | 0.00 | 0.00 |
| **Maximum over period** | **6,500.00** | **6,500.00** | **0.00** | **0.00** |

**Figure 266: IDC03 output (1) - Credit line/ IDC averages and maxima on account level**

## Output Description

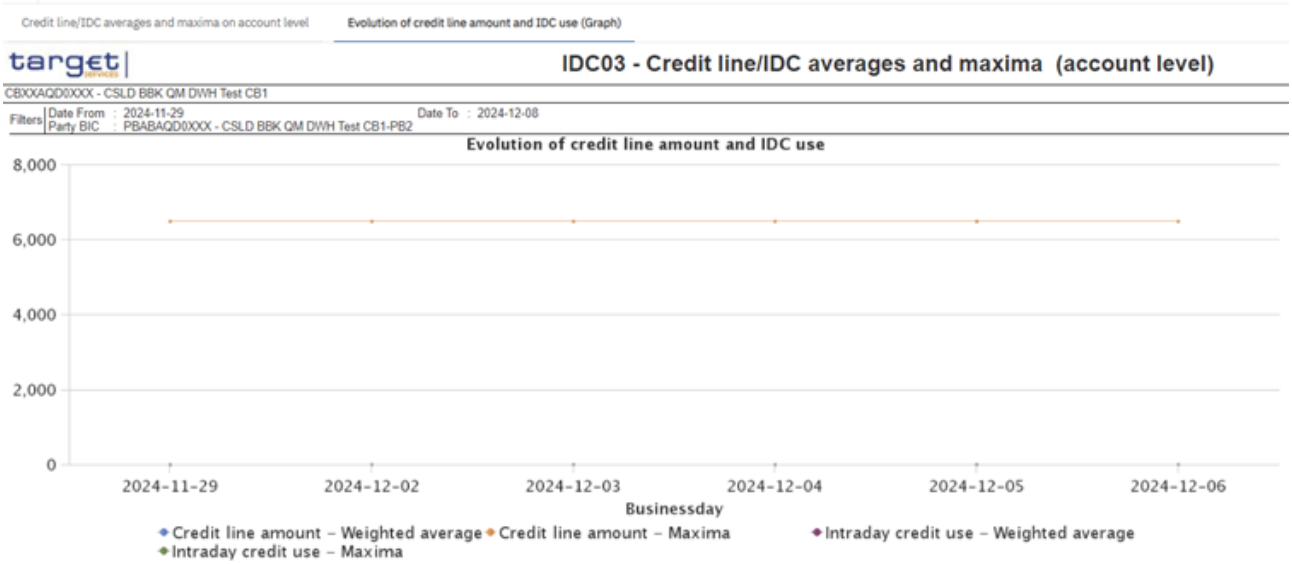



**Figure 267: IDC03 output (2) – Amount of credit line amount and IDC use (Graph)**

## Output description

| **IDC03 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Currency | Shows the ISO-currency code of the account. |
| Default MCA | Account number of the default MCA of the chosen party. |
| Date | One line per business date within the chosen date range, sorted by date. |
| Credit line amount | |

| | |
|---|---|
| Weighted average | Weighted average of the credit line amount of that day. |
| Maxima | Maximum of the credit line amount at that day. |
| Intraday credit use | |
| Weighted average | Weighted average of the intraday credit line use of that day. |
| Maxima | Maximum of the intraday credit line use at that day. |
| Maximum over period | Highest amount of the respective column. |
| Graph 1 | Evolution of credit line amount and IDC use<br>Cartesian coordinate system, y-axis representing the amount, x-axis representing the date.<br>Show four lines in different colours representing the values in the table on previous page. |

**Table 61: IDC03 - Output description**

## 5.7.4 IDC04 - Credit line/IDC averages and maxima (community level)

**Context of usage**

This report provides aggregated information related to the credit line and IDC development during a given date range at community level. For each business day within the given date range the weighted average and maximum amount of credit line amount and IDC use (aggregated Figures at community level) are reported.

CBs can retrieve aggregated information on parties belonging to their system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [IDC – Intraday Credit Reports] >> [IDC04]

**Screenshot – prompt**

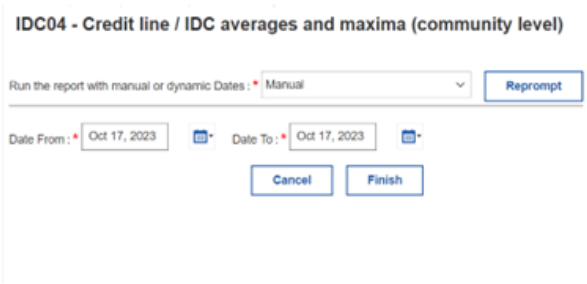



**Figure 268: IDC04 prompt - Manual**

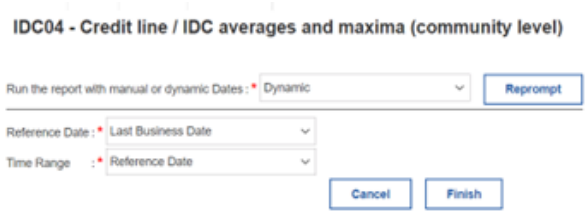



**Figure 269: IDC04 prompt - Dynamic**

## Prompt description

| IDC04 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |

**Table 62: IDC04 - Prompt description - Manual**

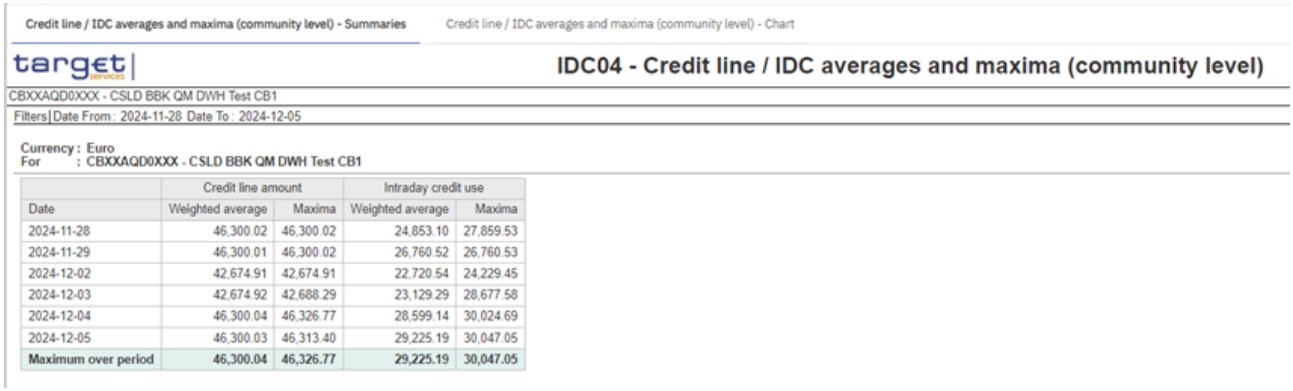
| IDC04 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |

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| | |
|---|---|
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |

**Table 63: IDC04 - Prompt description - Dynamic**

## Screenshot - output screen


Credit line / IDC averages and maxima (community level) - Summaries
Credit line / IDC averages and maxima (community level) - Chart
IDC04 - Credit line / IDC averages and maxima (community level)
CBXXAQD0XXX - CSLD BBK QM DWH Test CB1
Filters | Date From : 2024-11-28 Date To : 2024-12-05
Currency : Euro
For : CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

| | Credit line amount | | Intraday credit use | |
|---|---|---|---|---|
| Date | Weighted average | Maxima | Weighted average | Maxima |
| 2024-11-28 | 46,300.02 | 46,300.02 | 24,853.10 | 27,859.53 |
| 2024-11-29 | 46,300.01 | 46,300.02 | 26,760.52 | 26,760.53 |
| 2024-12-02 | 42,674.91 | 42,674.91 | 22,720.54 | 24,229.45 |
| 2024-12-03 | 42,674.92 | 42,688.29 | 23,129.29 | 28,677.58 |
| 2024-12-04 | 46,300.04 | 46,326.77 | 28,599.14 | 30,024.69 |
| 2024-12-05 | 46,300.03 | 46,313.40 | 29,225.19 | 30,047.05 |
| **Maximum over period** | **46,300.04** | **46,326.77** | **29,225.19** | **30,047.05** |

**Figure 270: IDC04 output (1) - Credit line/ IDC averages and maxima (community level) - Summaries**

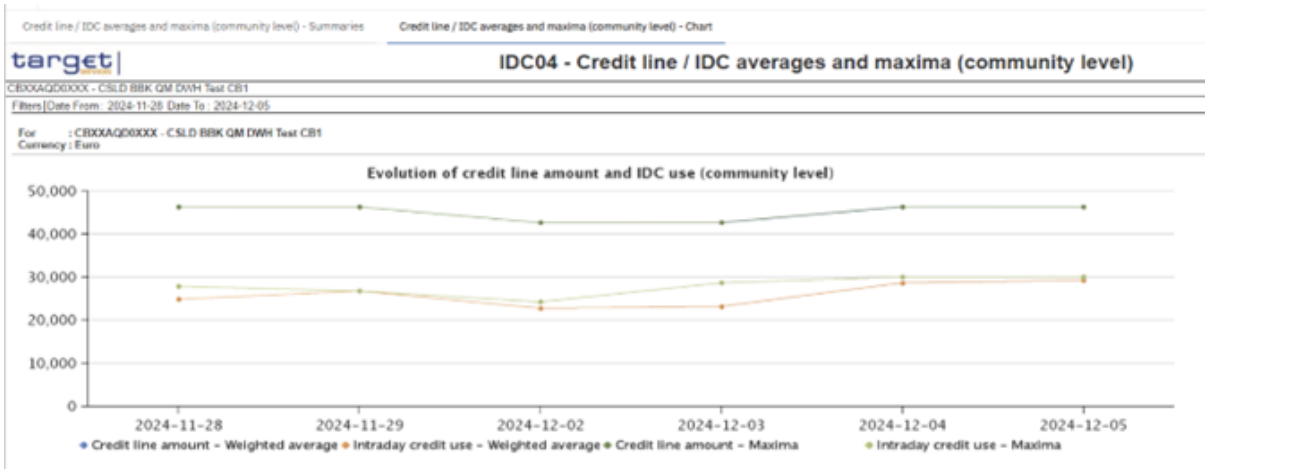



**Figure 271: IDC04 output (2) - Credit line/ IDC averages and maxima (community level) - Chart**

## Output description

| **IDC04 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Currency | Shows the currency for the Party BIC of the CB. |
| For | Displays the Party BIC of the CB and the short name. |

| | |
|---|---|
| Date | One line per business date within the chosen date range, sorted by date. |
| Credit line amount | |
| Weighted average | Weighted average of the credit line amount of that day<br>and<br>Weighted average of the intraday credit line use of that day. |
| Maxima | Maximum of the credit line amount at that day<br>and<br>Maximum of the intraday credit line use at that day. |
| Intraday credit use | |
| Weighted average | Weighted average of the intraday credit line use of that day. |
| Maxima | Maximum of the intraday credit line use at that day. |
| Maximum over period | Highest amount of the respective column. |
| Graph 1 | “Evolution of credit line amount and IDC use (community level)”<br>Cartesian coordinate system, y-axis representing the amount, x-axis representing the date.<br>Show four lines in different colours representing the values in the table on previous page. |

**Table 64: IDC04 - Output description**

## 5.7.5 IDC05 - Maximum of credit line used

**Context of usage**

This report provides credit line and balance information for the SoD and EoD of a selected parties’ default MCA on a given business day. Moreover, the peak IDC use for the selected default MCA on that business day is reported together with the corresponding amount of credit line at that point in time.

CBs can retrieve information on default MCAs of those parties belonging to their system entity.

This report can be used by CB, PB and AS users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [IDC – Intraday Credit Reports] >> [IDC05]

**Screenshot – prompt**

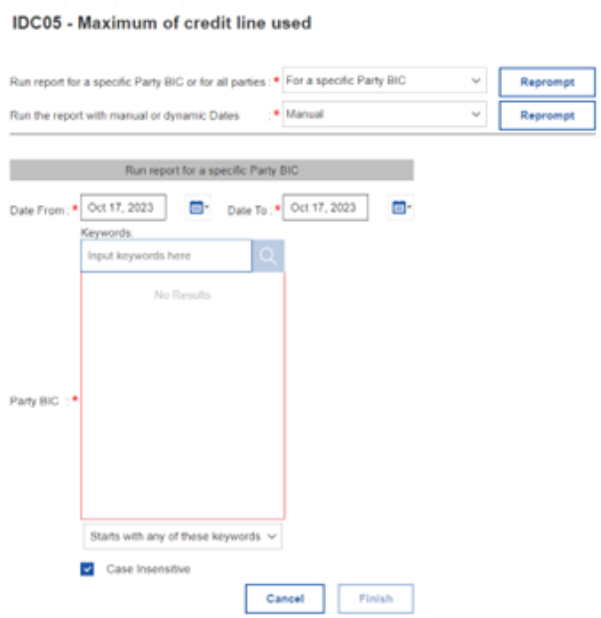



**Figure 272: IDC05 prompt (1) – For a specific party BIC – Manual**




**Figure 273: IDC05 prompt (2) – For a specific party BIC – Dynamic**




**Figure 274: IDC05 prompt (3) – For all parties – Manual**

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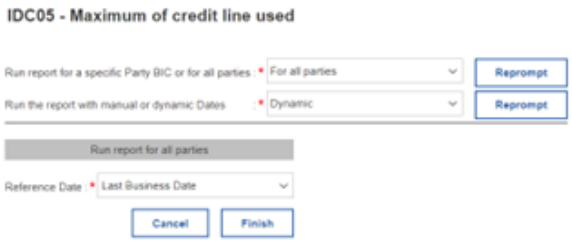



**Figure 275: IDC05 prompt (4) – For all parties - Dynamic**

## Prompt description

| IDC05 – Report description –prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BICs, which belong to the party.<br>In case the party BIC is not selected, the report only shows results for one date (the date selected under “Date from”).<br>This field is optional. |

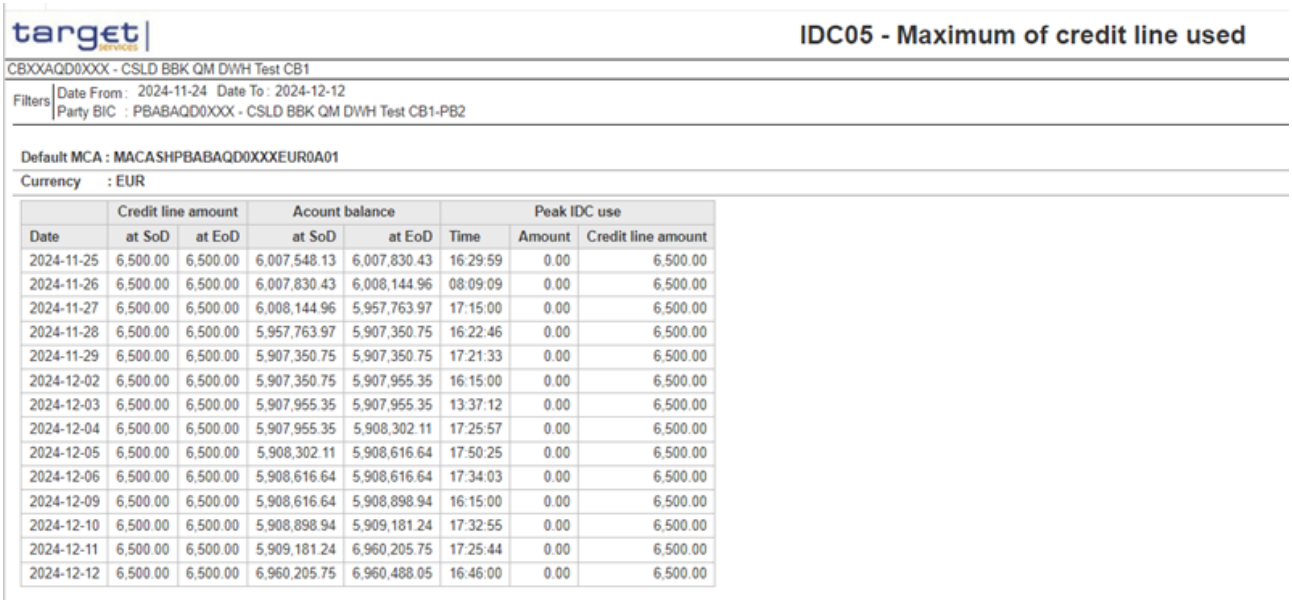
**Table 65: IDC05 - Prompt description - Manual**

| IDC05 – Report description –prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |

| | |
|---|---|
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BICs, which belong to the party.<br>In case the party BIC is not selected, the report only shows results for one date (the date selected under “Date from”).<br>This field is optional. |

**Table 66: IDC05 - Prompt description - Dynamic**

## Screenshot - output screen



target services — IDC05 - Maximum of credit line used

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

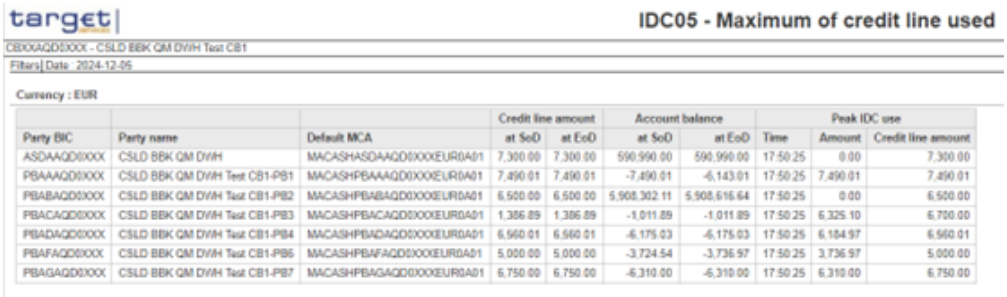
Filters | Date From : 2024-11-24 Date To : 2024-12-12
Party BIC : PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2

Default MCA : MACASHPBABAQD0XXXEUR0A01

Currency : EUR

| | Credit line amount | | Acount balance | | Peak IDC use | | |
|---|---|---|---|---|---|---|---|
| Date | at SoD | at EoD | at SoD | at EoD | Time | Amount | Credit line amount |
| 2024-11-25 | 6,500.00 | 6,500.00 | 6,007,548.13 | 6,007,830.43 | 16:29:59 | 0.00 | 6,500.00 |
| 2024-11-26 | 6,500.00 | 6,500.00 | 6,007,830.43 | 6,008,144.96 | 08:09:09 | 0.00 | 6,500.00 |
| 2024-11-27 | 6,500.00 | 6,500.00 | 6,008,144.96 | 5,957,763.97 | 17:15:00 | 0.00 | 6,500.00 |
| 2024-11-28 | 6,500.00 | 6,500.00 | 5,957,763.97 | 5,907,350.75 | 16:22:46 | 0.00 | 6,500.00 |
| 2024-11-29 | 6,500.00 | 6,500.00 | 5,907,350.75 | 5,907,350.75 | 17:21:33 | 0.00 | 6,500.00 |
| 2024-12-02 | 6,500.00 | 6,500.00 | 5,907,350.75 | 5,907,955.35 | 16:15:00 | 0.00 | 6,500.00 |
| 2024-12-03 | 6,500.00 | 6,500.00 | 5,907,955.35 | 5,907,955.35 | 13:37:12 | 0.00 | 6,500.00 |
| 2024-12-04 | 6,500.00 | 6,500.00 | 5,907,955.35 | 5,908,302.11 | 17:25:57 | 0.00 | 6,500.00 |
| 2024-12-05 | 6,500.00 | 6,500.00 | 5,908,302.11 | 5,908,616.64 | 17:50:25 | 0.00 | 6,500.00 |
| 2024-12-06 | 6,500.00 | 6,500.00 | 5,908,616.64 | 5,908,616.64 | 17:34:03 | 0.00 | 6,500.00 |
| 2024-12-09 | 6,500.00 | 6,500.00 | 5,908,616.64 | 5,908,898.94 | 16:15:00 | 0.00 | 6,500.00 |
| 2024-12-10 | 6,500.00 | 6,500.00 | 5,908,898.94 | 5,909,181.24 | 17:32:55 | 0.00 | 6,500.00 |
| 2024-12-11 | 6,500.00 | 6,500.00 | 5,909,181.24 | 6,960,205.75 | 17:25:44 | 0.00 | 6,500.00 |
| 2024-12-12 | 6,500.00 | 6,500.00 | 6,960,205.75 | 6,960,488.05 | 16:46:00 | 0.00 | 6,500.00 |

**Figure 276: IDC05 output (1) – For a specific party BIC**



target services — IDC05 - Maximum of credit line used

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date : 2024-12-05

Currency : EUR

| | | | Credit line amount | | Account balance | | Peak IDC use | | |
|---|---|---|---|---|---|---|---|---|---|
| Party BIC | Party name | Default MCA | at SoD | at EoD | at SoD | at EoD | Time | Amount | Credit line amount |
| ASDAAQD0XXX | CSLD BBK QM DWH | MACASHASDAAQD0XXXEUR0A01 | 7,300.00 | 7,300.00 | 590,990.00 | 590,990.00 | 17:50:25 | 0.00 | 7,300.00 |
| PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | MACASHPBAAAQD0XXXEUR0A01 | 7,490.01 | 7,490.01 | -7,490.01 | -6,143.01 | 17:50:25 | 7,490.01 | 7,490.01 |
| PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | MACASHPBABAQD0XXXEUR0A01 | 6,500.00 | 6,500.00 | 5,908,302.11 | 5,908,616.64 | 17:50:25 | 0.00 | 6,500.00 |
| PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | MACASHPBACAQD0XXXEUR0A01 | 1,386.89 | 1,386.89 | -1,011.89 | -1,011.89 | 17:50:25 | 6,325.10 | 6,700.00 |
| PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | MACASHPBADAQD0XXXEUR0A01 | 6,560.01 | 6,560.01 | -6,175.03 | -6,175.03 | 17:50:25 | 6,184.97 | 6,560.01 |
| PBAFAQD0XXX | CSLD BBK QM DWH Test CB1-PB6 | MACASHPBAFAQD0XXXEUR0A01 | 5,000.00 | 5,000.00 | -3,724.54 | -3,736.97 | 17:50:25 | 3,736.97 | 5,000.00 |
| PBAGAQD0XXX | CSLD BBK QM DWH Test CB1-PB7 | MACASHPBAGAQD0XXXEUR0A01 | 6,750.00 | 6,750.00 | -6,310.00 | -6,310.00 | 17:50:25 | 6,310.00 | 6,750.00 |

**Figure 277: IDC05 output (2) – For all parties**

## Output description

**IDC05 – Report description – output screen – For a specific party BIC**

| Field label | Description |
|---|---|
| Default MCA | Account number of the default MCA of the chosen party ISO-currency code. |
| Currency | Shows the ISO currency code. |
| Credit line amount / Account balance | |
| Date | One line per business date within the chosen date range, sorted by date |
| At SoD | Credit line amount at SoD<br>and<br>Account balance of the MCA at SoD |
| At EoD | Credit line amount at EoD<br>and<br>Account balance of the MCA at EoD |
| Peak IDC use | |
| Date | One line per business date within the chosen date range |
| Time | Time of the peak IDC use (HH:MM:SS)~~; Marked with "—" in case the account balance remained positive throughout the day~~ |
| Amount | IDC amount used at that time~~;~~<br>~~Marked with "—" in case the account balance remained positive throughout the day~~ |
| Credit line amount | Credit line amount at that time~~;~~<br>~~Marked with "—" in case the account balance remained positive throughout the day~~ **{CR-187}** |
| **IDC05 – Report description – output – For all parties** | |
| **Field label** | **Description** |
| Currency | Shows the ISO currency code. |
| Party BIC | BIC of the party for which the default MCA is regarded. |
| Party name | Party short name according to party BIC |
| Default MCA number | Account number of the default MCA of the party |
| Credit line amount /Account balance | |

| | |
|---|---|
| At SoD | Credit line amount at SoD<br>and<br>Account balance of the MCA at SoD |
| At EoD | Credit line amount at EoD<br>and<br>Account balance of the MCA at EoD |
| Peak IDC use | |
| Time | Time of the peak IDC use (HH:MM:SS); ~~Marked with "—"~~ The field is equal to the SoD value in case the account balance remained positive throughout the day. |
| Amount | IDC amount used at that time;<br>~~Marked with "—"~~ The field shows "0.00" in case the account balance remained positive throughout the day. |
| Credit line amount | Credit line amount at that time;<br>~~Marked with "—"~~ The field is equal to the SoD value in case the account balance remained positive throughout the day. **{CR-187}** |

**Table 67: IDC05 - Output description**

## 5.7.6 IDC06 - Credit line and IDC use at system level

**Context of usage**

This report provides system-wide aggregated information on the overall amount of credit line and IDC use for a given date (range). For both objects the weighted average for each business day within the given date range is reported.

CBs can retrieve aggregated information including credit line and IDC data from all system entities in a respective currency.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [IDC – Intraday Credit Reports] >> [IDC06]

**Screenshot – prompt**

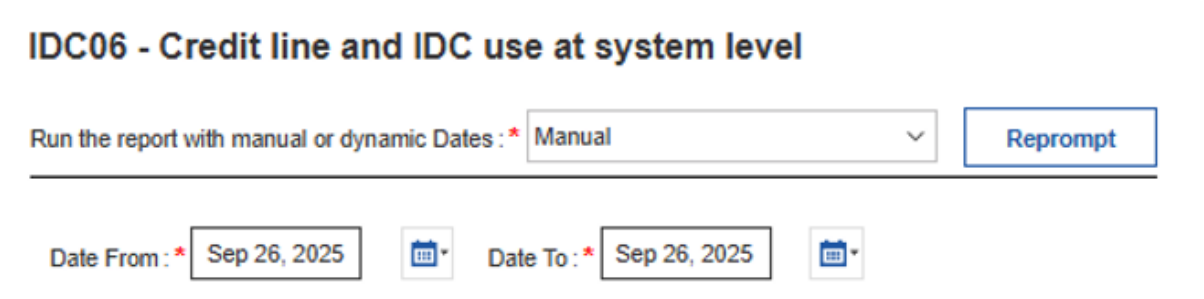



**Figure 278: IDC06 prompt – Manual**

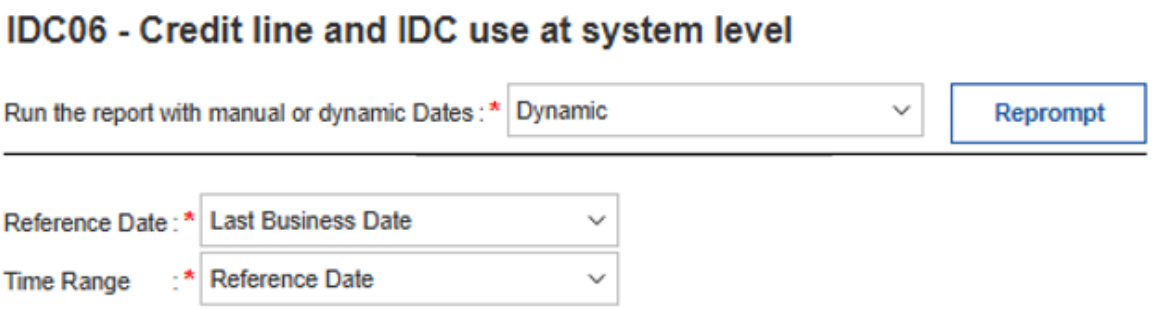



**Figure 279: IDC06 prompt – Dynamic**

## Prompt description

| **IDC06** – **Report description** – **prompt screen** – Manual | |
|---|---|
| **Field label** | **Description** |
| Run the report with manual or dynamic dates | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory |

**Table 68: IDC06 - Prompt description**

| IDC06 – Report description –prompt screen - Dynamic | |
|---|---|
| Field label | Description |
| Run the report with manual or dynamic dates | You can select the date by clicking on the calendar. |

| | |
|---|---|
| | This field is mandatory. (SDD-CN 0139) |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |

**Table 69: IDC06 - Prompt description dynamic**

## Screenshot - output screen

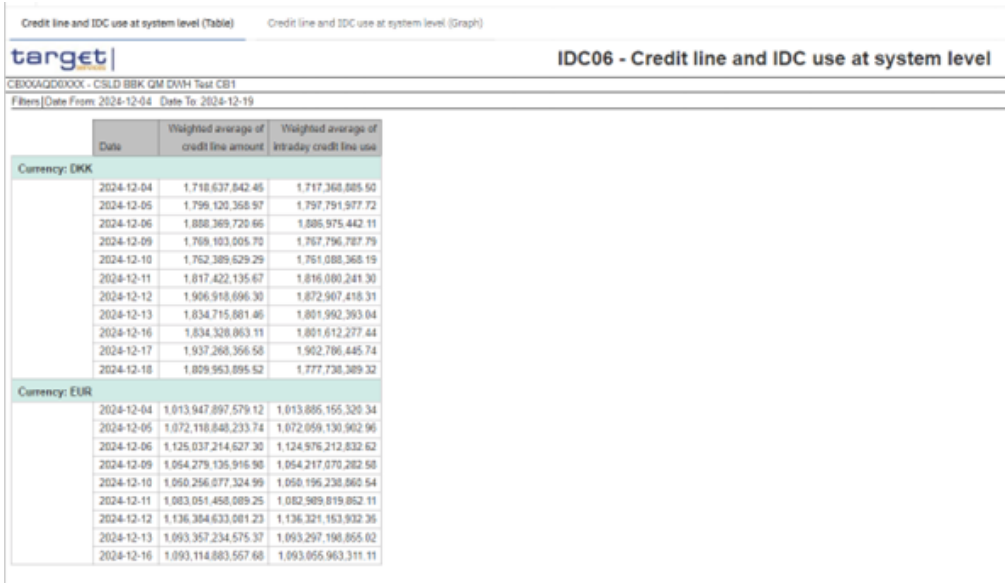



**Figure 280: IDC06 output (1) – Credit line and IDC use at system level (Table)**

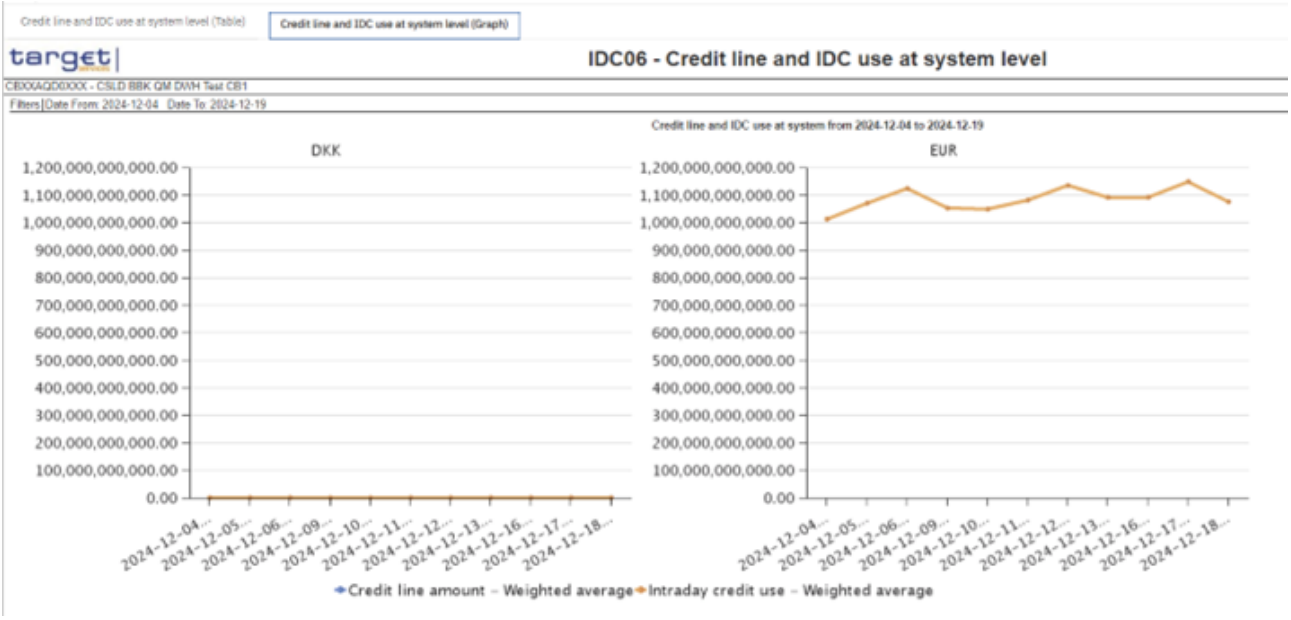



**Figure 281: IDC06 output (2) – Credit line and IDC use at system level (Graph)**

## Output description

| **IDC06 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Currency | ISO currency code |
| Date | Business day as chosen in prompt screen.<br>One line per business day within the date range. |
| Weighted average of credit line amount | The weighted average of credit line amounts for all parties within the system entity at the business day. |
| Weighted average of intraday credit line use | The weighted average of the intraday credit line use for parties within the system entity at the business day. |
| Graph 1 | Credit line and IDC use at system level<br>Cartesian coordinate system, y-axis representing the amount (value), x-axis representing the date (each business day within the selected date range)<br>Shows two lines in different colours representing the evolution of the values in the table on previous page per business day within the selected date range (between from and to date). |

**Table 70: IDC06 - Output description**

# 5.8 Invoice Data (INV)

## 5.8.1 INV01 - Reporting revenues

**Context of usage**

This report provides information on the volumes and values of fees/revenues for each month within a given quarter. Within the selected service, absolute volumes and values are reported for each service item. In addition, the fee category (e.g. “Account Management”) and the fee type (e.g. “Fixed Independent”) are provided for each service item. For each month the total amount of fees/revenues is reported.

CBs can retrieve aggregated information on the fees/revenues of parties belonging to their system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [INV – Invoice Data Reports] >> [INV01]

**Screenshot – prompt**

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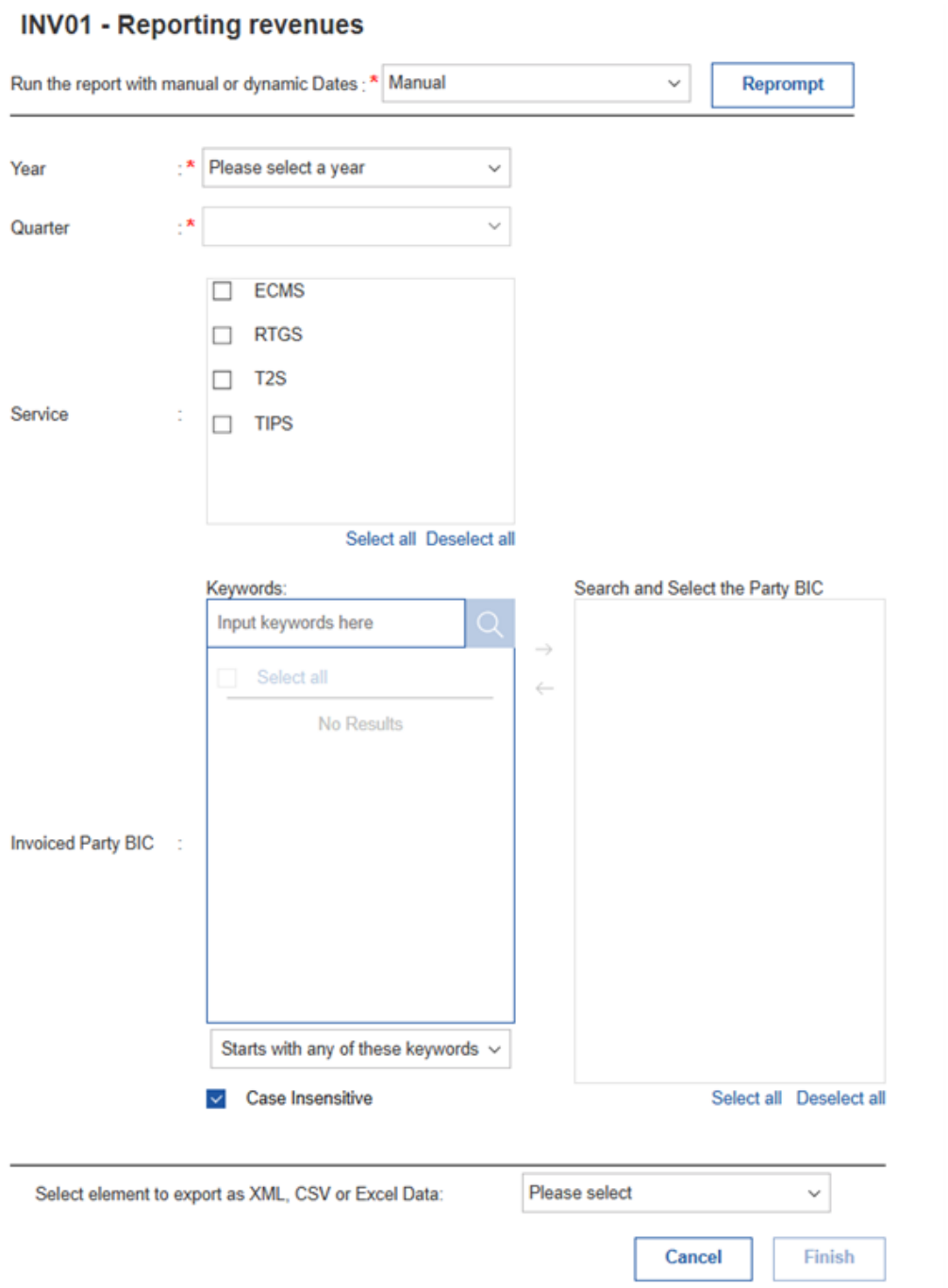



**Figure 282: INV01 prompt - Manual**

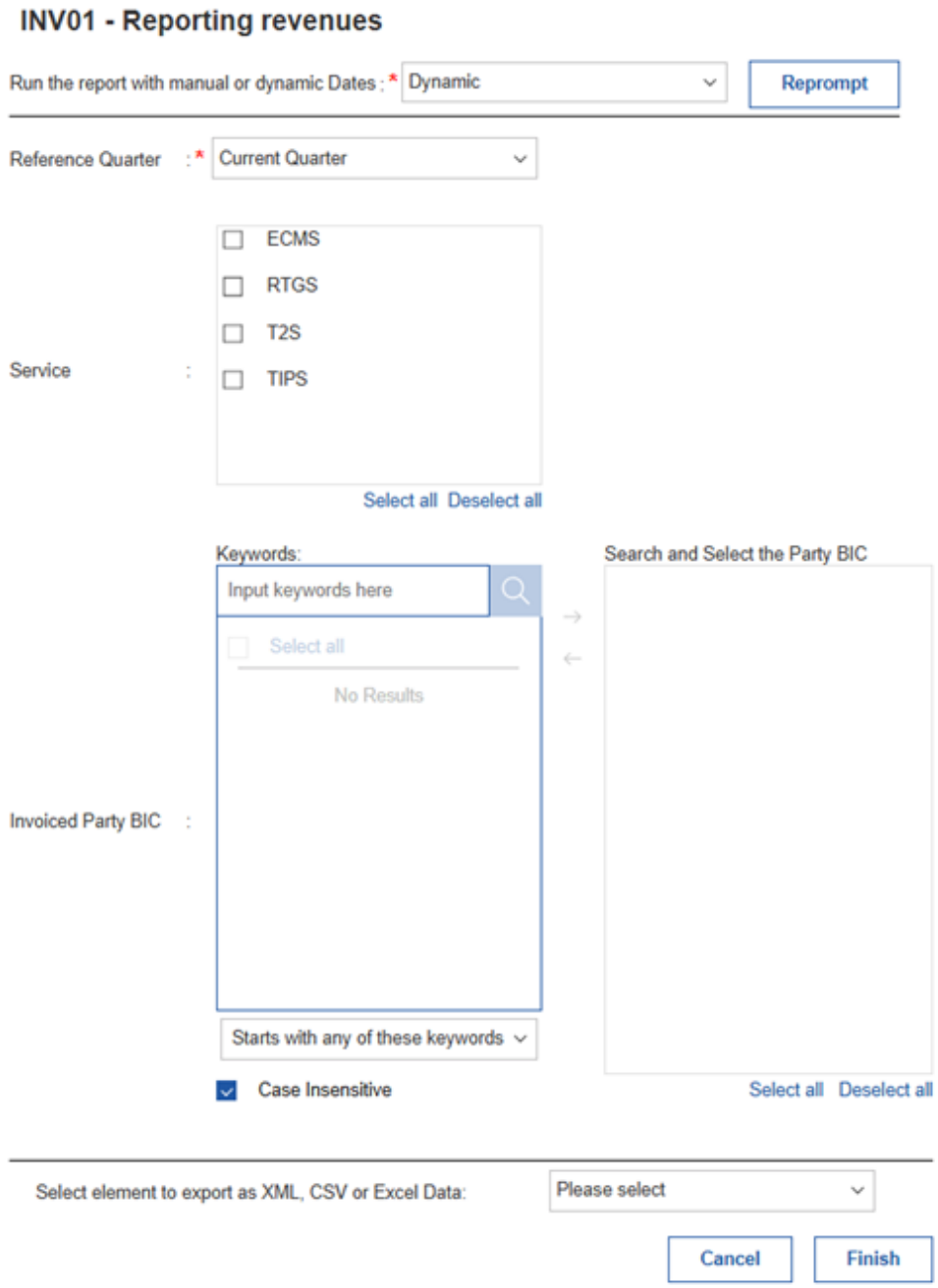



**Figure 283: INV01 prompt - Dynamic**

## Prompt description

| INV01 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data. |

| | |
|---|---|
| | This field is mandatory. |
| Quarter | You can use this drop-down field to select the quarter, for which the report should show the data.<br>This field is mandatory |
| Service | Service for which the data shall be displayed.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S<br>- ECMS<br>This field is optional |
| Invoiced party BIC | You can use this search and select prompt to be able to search for the party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Select element to export as XML, CSV or Excel Data | - Per service<br>- Overall total<br>This field is optional. |

**Table 71: INV01 - Prompt description - Manual**

| **INV01 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Quarter | Reference Quarter for which the data shall be displayed.<br>Possible values:<br>- Current Quarter<br>- Previous Quarter<br>This field is mandatory. |
| Service | Service for which the data shall be displayed.<br>Possible values:<br>- RTGS<br>- TIPS<br>- T2S<br>- ECMS<br>This field is optional. |

| | |
|---|---|
| Invoiced party BIC | You can use this search and select prompt to be able to search for the party BIC or short name. One or several parties can be selected. In case the user leaves this field free, all party BICs belonging to the user's data scope are selected.<br>This field is optional. |
| Select element to export as XML, CSV or Excel Data | ▪ Per service<br>▪ Overall total<br>This field is optional. |

**Table 72: INV01 - Prompt description - Dynamic**

## Screenshot - output screen

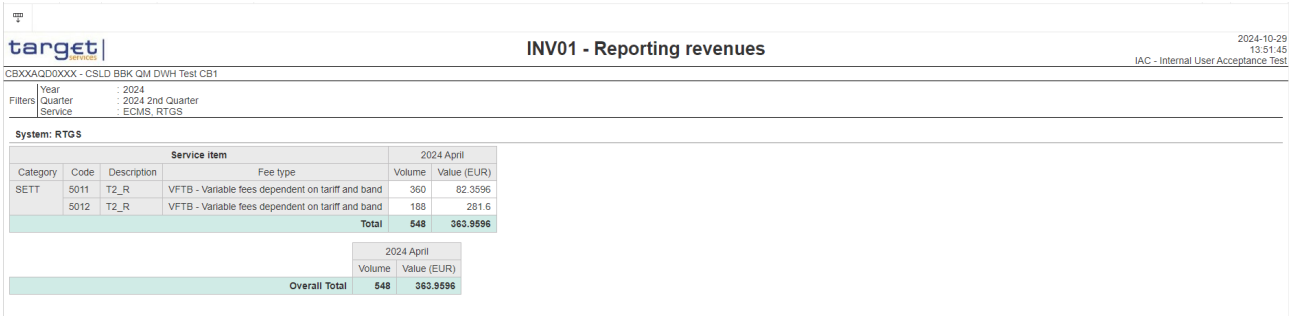



**Figure 284: INV01 Output**

## Output description

| **INV01 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Year, Quarter | Year and quarter as chosen in input screen |
| *The following block is repeated for every service chosen in the prompt screen* | |
| Service | The service, for which invoice data are displayed<br>Possible values:<br>▪ RTGS<br>▪ TIPS<br>▪ T2S<br>▪ ECMS |
| Year/Month | Calendar month and year of the billing period, for which the invoice data are shown. All three months of the selected quarter are displayed. In case the billing period of one month is still running, no data will be shown for that month. |

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| | |
|---|---|
| Service item category | Service item category |
| Service item code | Following service item codes are currently available:<br>See BILL UDFS Annex I |
| Service item description | Following service item descriptions are currently available:<br>See BILL UDFS Annex I |
| Fee type | Fee type |
| Volume | The quantity of the billable items for the service item having this fee type<br>If there is no fee for this fee type, then 0 is displayed. |
| Value (EUR) | The sum of amounts of the billable items for the service item having this fee type (VAT not included)<br>The invoices are always in EUR.<br>If there is no fee for this fee type, then 0 is displayed. |
| Total (Volume/Value (EUR)) | Sum of the volumes/values within the month over all fee types |
| Overall total (Volume/Value(EUR)) | Overall sum of the volumes/values within the month over all fee types and services |

**Table 73: INV01 - Output description**

# 5.9 Minimum reserve reports (MIR)

## 5.9.1 MIR01 - Minimum reserve information

**Context of usage**

This report provides periodic information on the minimum reserve requirements, the fulfilment of the aforementioned and the associated (accrued/pro rata) interests. In addition to the party BIC/name, entities are reported with their respective MFI code. The report provides information on payment banks being subject to minimum reserves on the level of the respective leading CLM Account Holder. The report is available for each reserve maintenance period.

CBs can retrieve minimum reserve information on those parties belonging to their system entity.

**Note:** As the report is required to display accrued interests (interests will be shown pro rata within an ongoing reserve maintenance period), the interest amounts shown are derived from calculations (and not from interest payments). The final (calculated) interest amounts are displayed as soon as all data for a respective reserve maintenance period is available in the DWH.

This report can be used by CB and PB users.

All rights reserved.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [MIR – Minimum Reserve Reports] >> [MIR01]

**Screenshot – prompt**

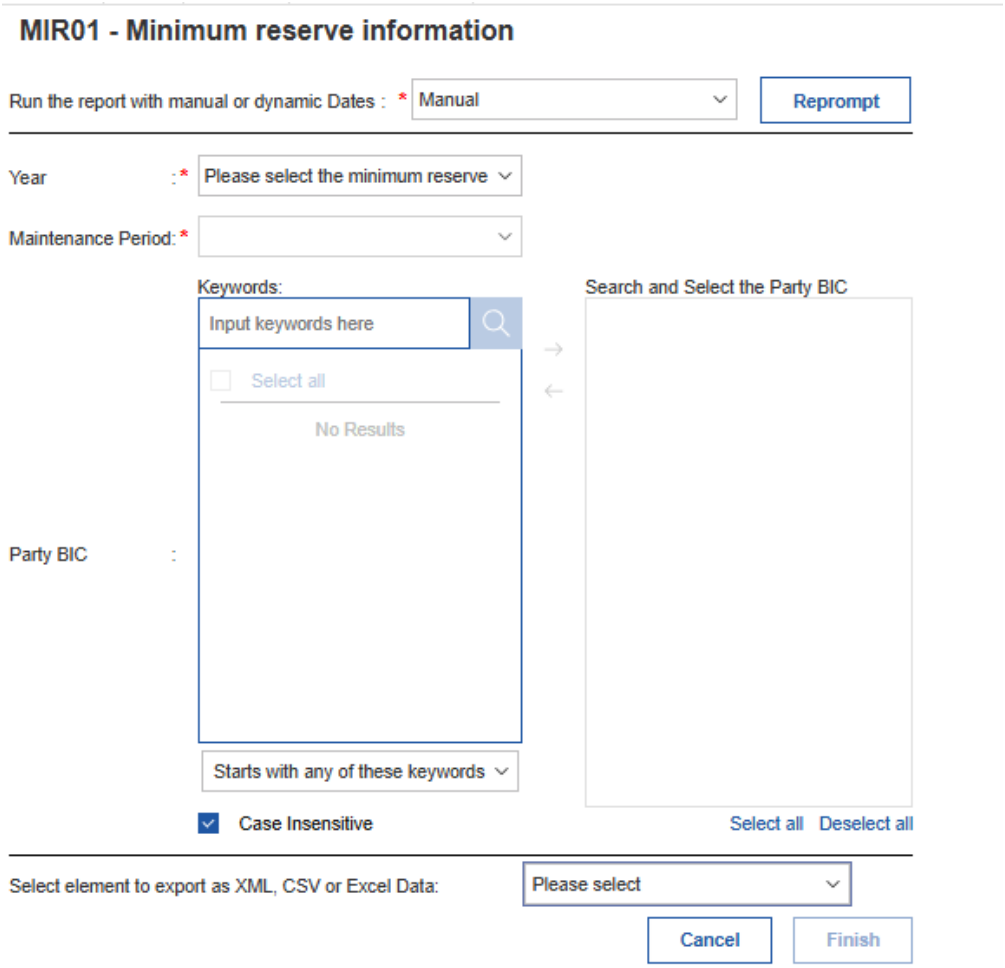



**Figure 285: MIR01 prompt - Manual**

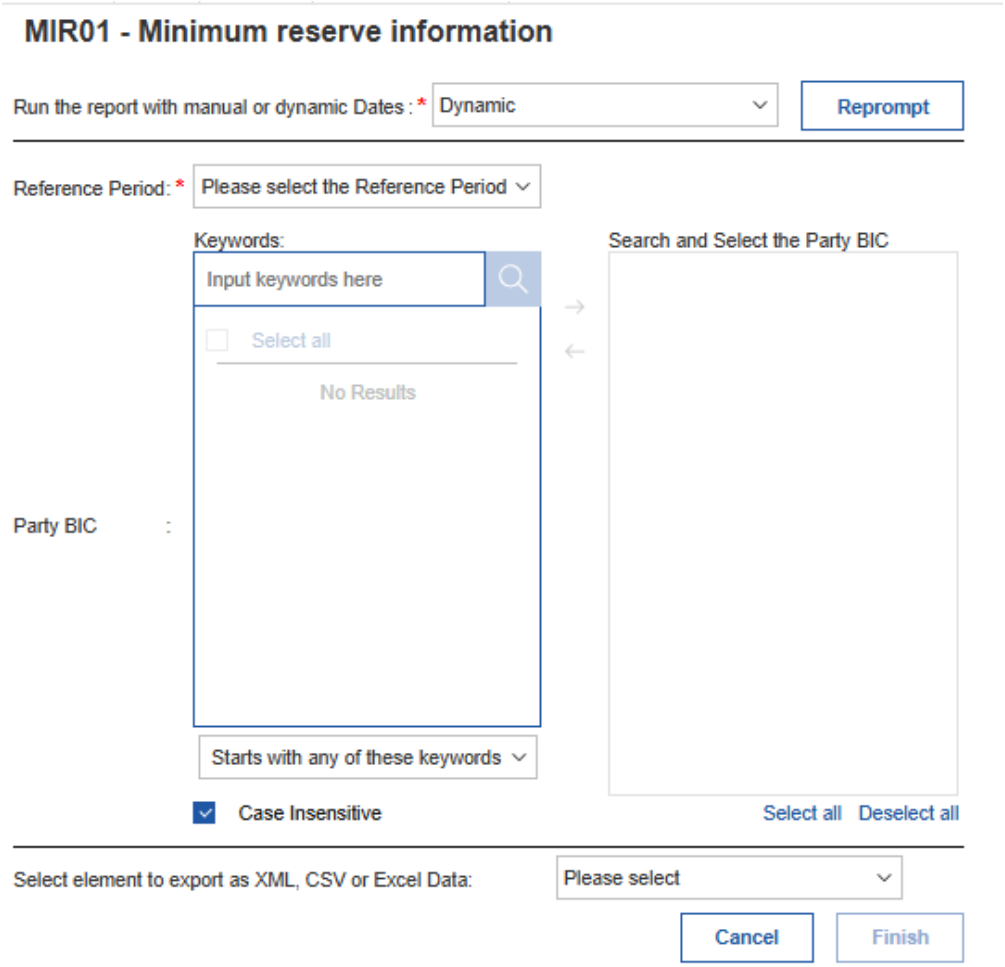



**Figure 286: MIR01 prompt - Dynamic**

## Prompt description

| **MIR01 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Maintenance period | You can select the required maintenance period in this drop-down field.<br>This field contains “validity start date” to “validity end date” of maintenance periods and consists of all maintenance periods that start in the chosen year<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BICs, which belong to the party. |

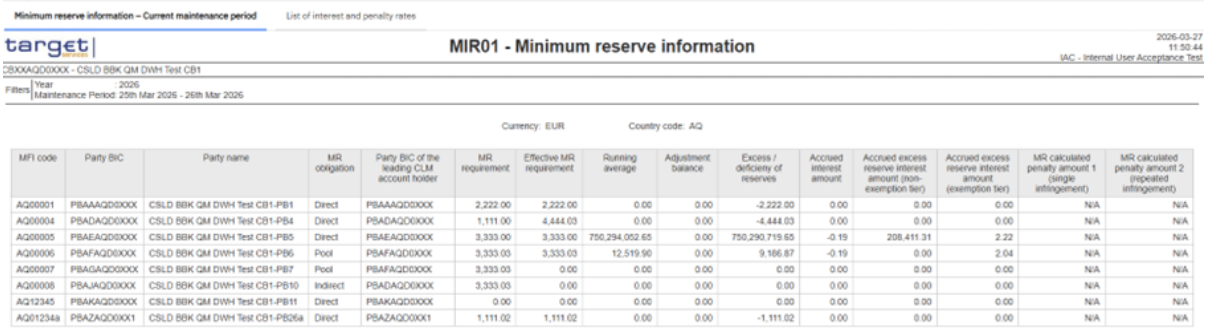
| | |
|---|---|
| | This field is optional. |
| Select element to export as XML, CSV or Excel Data | - Minimum reserve information – Current maintenance period<br>- Minimum reserve information – Past maintenance period<br>- List of interest and penalty rates<br>This field is optional. |

**Table 74: MIR01 - Prompt description - Manual**

| **MIR01 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Period | Reference Period for which the data shall be displayed.<br>Possible values:<br>- Current Maintenance Period<br>- Last Maintenance Period<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BICs, which belong to the party.<br>This field is optional. |
| Select element to export as XML, CSV or Excel Data | - Minimum reserve information – Current maintenance period<br>- Minimum reserve information – Past maintenance period<br>- List of interest and penalty rates<br>This field is optional. |

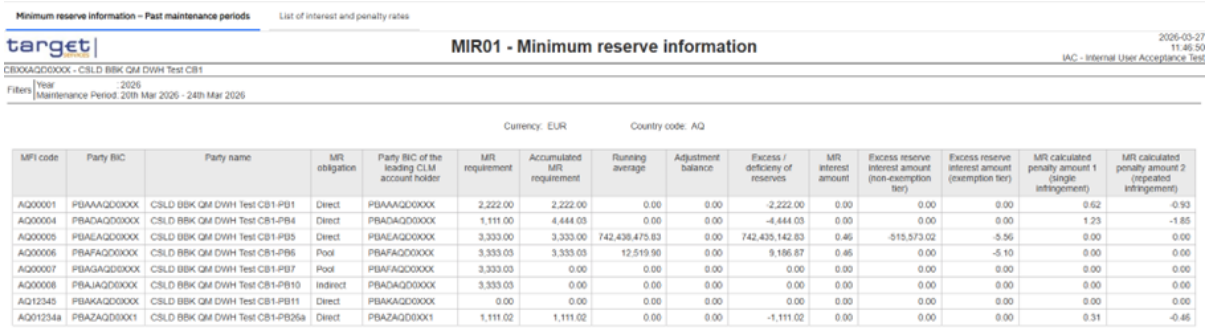
**Table 75: MIR01 - Prompt description - Dynamic**

## Screenshot - output screen




| MFI code | Party BIC | Party name | MR obligation | Party BIC of the leading CLM account holder | MR requirement | Effective MR requirement | Running average | Adjustment balance | Excess / deficiency of reserves | Accrued interest amount | Accrued excess reserve interest amount (non-exemption tier) | Accrued excess reserve interest amount (exemption tier) | MR calculated penalty amount 1 (single infringement) | MR calculated penalty amount 2 (repeated infringement) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AQ00001 | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | Direct | PBAAAQD0XXX | 2,222.00 | 2,222.00 | 0.00 | 0.00 | -2,222.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| AQ00004 | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | Direct | PBADAQD0XXX | 1,111.00 | 4,444.03 | 0.00 | 0.00 | -4,444.03 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| AQ00005 | PBAEAQD0XXX | CSLD BBK QM DWH Test CB1-PB5 | Direct | PBAEAQD0XXX | 3,333.00 | 3,333.00 | 750,294,052.65 | 0.00 | 750,290,719.65 | -0.19 | 208,411.31 | 2.22 | N/A | N/A |
| AQ00006 | PBAFAQD0XXX | CSLD BBK QM DWH Test CB1-PB6 | Pool | PBAFAQD0XXX | 3,333.03 | 3,333.03 | 12,519.90 | 0.00 | 9,186.87 | -0.19 | 0.00 | 2.04 | N/A | N/A |
| AQ00007 | PBAGAQD0XXX | CSLD BBK QM DWH Test CB1-PB7 | Pool | PBAFAQD0XXX | 3,333.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| AQ00008 | PBAJAQD0XXX | CSLD BBK QM DWH Test CB1-PB10 | Indirect | PBADAQD0XXX | 3,333.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| AQ12345 | PBAKAQD0XXX | CSLD BBK QM DWH Test CB1-PB11 | Direct | PBAKAQD0XXX | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| AQ01234a | PBAZAQD0XX1 | CSLD BBK QM DWH Test CB1-PB26a | Direct | PBAZAQD0XX1 | 1,111.02 | 1,111.02 | 0.00 | 0.00 | -1,111.02 | 0.00 | 0.00 | 0.00 | N/A | N/A |

**Figure 287: MIR01 – output - Minimum reserve information – Current maintenance periods {CR-187}**


Minimum reserve information – Past maintenance periods | List of interest and penalty rates

target | services

MIR01 - Minimum reserve information

2026-03-27 11:46:50
IAC - Internal User Acceptance Test

CBDDAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Year: 2026
Maintenance Period: 20th Mar 2026 - 24th Mar 2026

Currency: EUR  Country code: AQ

| MFI code | Party BIC | Party name | MR obligation | Party BIC of the leading CLM account holder | MR requirement | Accumulated MR requirement | Running average | Adjustment balance | Excess / deficiency of reserves | MR interest amount | Excess reserve interest amount (non-exemption tier) | Excess reserve interest amount (exemption tier) | MR calculated penalty amount 1 (single infringement) | MR calculated penalty amount 2 (repeated infringement) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AQ00001 | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | Direct | PBAAAQD0XXX | 2,222.00 | 2,222.00 | 0.00 | 0.00 | -2,222.00 | 0.00 | 0.00 | 0.00 | 0.62 | -0.93 |
| AQ00004 | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | Direct | PBADAQD0XXX | 1,111.00 | 4,444.03 | 0.00 | 0.00 | -4,444.03 | 0.00 | 0.00 | 0.00 | 1.23 | -1.85 |
| AQ00005 | PBAEAQD0XXX | CSLD BBK QM DWH Test CB1-PB5 | Direct | PBAEAQD0XXX | 3,333.00 | 3,333.00 | 742,438,475.83 | 0.00 | 742,435,142.83 | 0.46 | -515,573.02 | -5.56 | 0.00 | 0.00 |
| AQ00006 | PBAFAQD0XXX | CSLD BBK QM DWH Test CB1-PB6 | Pool | PBAFAQD0XXX | 3,333.03 | 3,333.03 | 12,519.90 | 0.00 | 9,186.87 | 0.46 | 0.00 | -5.10 | 0.00 | 0.00 |
| AQ00007 | PBAGAQD0XXX | CSLD BBK QM DWH Test CB1-PB7 | Pool | PBAFAQD0XXX | 3,333.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AQ00008 | PBAJAQD0XXX | CSLD BBK QM DWH Test CB1-PB10 | Indirect | PBADAQD0XXX | 3,333.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AQ12345 | PBAKAQD0XXX | CSLD BBK QM DWH Test CB1-PB11 | Direct | PBAKAQD0XXX | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AQ01234a | PBAZAQD0XX1 | CSLD BBK QM DWH Test CB1-PB26a | Direct | PBAZAQD0XX1 | 1,111.02 | 1,111.02 | 0.00 | 0.00 | -1,111.02 | 0.00 | 0.00 | 0.00 | 0.31 | -0.46 |

**Figure 288: MIR01 – output - Minimum reserve information – Past maintenance periods**


Minimum reserve information – Past maintenance periods | List of interest and penalty rates

target | services

MIR01 - Minimum reserve information

CBDDAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Year: 2025
Maintenance Period: 2nd Jul 2025 - 3rd Jul 2025

Currency EUR  Country Code AQ

| | |
|---|---|
| Calculation includes data until | 2025-07-03 |
| Number of calendar days in the MP | 2 |
| Minimum reserve interest rate | -1.0000% |
| Excess reserve interest rate 1 (exempt tier) | 4.0000% |
| Excess reserve interest rate 2 (non-exempt tier) | 5.0000% |
| Excess reserve exemption factor | 3.00 |
| Penalty rate 1 (single infringement) | 2.0000% |
| Penalty rate 2 (repeated infringement) | 3.0000% |

**Figure 289: MIR01 – Output - List of interest and penalty rates**

## Output description

| MIR01 – Report description – output screen – table minimum reserve information – current maintenance period | |
|---|---|
| **Field label** | **Description** |
| MFI code | MFI code of the party |
| Party BIC | BIC of the party |
| Party name | Name of the party |
| MR obligation | Minimum reserve obligation.<br>Possible Values:<br>- Direct<br>- Indirect<br>- Pool |
| Party BIC of the leading CLM account holder | BIC of the party that holds the leading CLM account |

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| | |
|---|---|
| MR requirement | Amount of minimum reserve to be held at the end of each day of the maintenance period. |
| Effective MR requirement | Amount of minimum reserve to be held effectively at the end of each day of the maintenance period.<br>This field is deviating between the current and the past maintenance period, in which it is named “Accumulated MR requirement”. |
| Running average | This is the arithmetic mean of the accumulated balances from the first calendar day of the current maintenance period until the last day of the maintenance period, i.e sum of daily balances from beginning of the maintenance period till the end of the maintenance period / total number of days in the maintenance period (for ongoing maintenance periods: sum of daily balances from beginning of the maintenance period till the day for which MR data is available in the DWH / total number of days in the maintenance period that have already been passed).<br>As soon as a Maintenance Period is over, this amount corresponds to the Minimum Reserve fulfilment. |
| Adjustment balance | The adjustment balance is the amount that would be needed at the end of each business day from the current day until the end of the maintenance period, in order to precisely fulfil the minimum reserve requirement.<br>It corresponds to the daily average that the party would have to hold on its cash accounts for the remaining business days in the maintenance period to fulfil its minimum reserve requirement. In case that the minimum reserve requirement for an ongoing maintenance period is already fulfilled the adjustment balance is 0 (zero).<br>This field is only relevant in case the chosen maintenance period is currently running. For past maintenance periods, the value for this field is 0.00. |
| Excess / deficiency of reserves | This is the difference between the running average and the minimum reserve requirements. |
| Accrued interest amount | The amount of MR interest for the displayed maintenance period.<br>In case the chosen maintenance period is the currently running, the accrued interest is displayed, calculated from the start of the MP until the end of the day preceding the day of report generation.<br>Please note, that accrued MR interest calculations are based on MR fulfilment data delivered by CLM. |
| Accrued excess reserve interest amount (non-exemption tier) | Amount of interest to be paid for excess reserves within the non-exemption tier.<br>In case the chosen maintenance period is the currently running, the accrued interest is calculated from the start of the MP until the end of the day preceding the day of report generation.<br>Please note, that accrued excess reserve interest calculations are based on MR fulfilment data delivered by CLM. |

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| | |
|---|---|
| Accrued excess reserve interest amount (exemption tier) | Amount of interest to be paid for excess reserves within the exemption tier.<br>In case the chosen maintenance period is the currently running, the accrued interest is calculated from the start of the MP until the end of the day preceding the day of report generation.<br>Please note, that accrued excess reserve interest calculations are based on MR fulfilment data delivered by CLM. |
| MR calculated penalty amount 1 (single infringement) | Penalty to be debited for balances not meeting the MR requirements. The value is calculated by CLM at the end of the MP. It is up to the responsible CB to decide, whether penalties are debited and which of the two.<br>This field is only filled for a past maintenance period. For the current maintenance period, this field is empty. |
| MR calculated penalty amount 2 (repeated infringement) | Penalty to be debited for balances not meeting the MR requirements. The value is calculated by CLM at the end of the MP. It is up to the responsible CB to decide, whether penalties are debited and which of the two.<br>This field is only filled for a past maintenance. For the current maintenance period, this field is empty.**{CR-187}** |

**Table 76: MIR01 - Output description - table minimum reserve information – current maintenance period {CR-187}**

| **MIR01 – Report description – output screen – table minimum reserve information – past maintenance periods {CR-187}** | |
|---|---|
| **Field label** | **Description** |
| MFI code | MFI code of the party |
| Party BIC | BIC of the party |
| Party name | Name of the party |
| MR obligation | Minimum reserve obligation.<br>Possible Values:<br>- Direct<br>- Indirect<br>- Pool |
| Party BIC of the leading CLM account holder | BIC of the party that holds the leading CLM account |
| MR requirement | Amount of minimum reserve to be held at the end of each day of the maintenance period. |
| Accumulated MR requirement | Amount of minimum reserve to be held effectively at the end of each day of the maintenance period. |

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| | |
|---|---|
| | For Leading CLM Account Holders offering to maintain the MR requirements for other parties (i.e. for those with MR obligation = “Indirect”) this is the sum of the requirement for the Leading CLM Account Holder itself as well as of the MR requirements from the other parties.<br>For parties with MR obligation “Indirect”, the value is always 0 (zero)<br>For all other parties the value is identical to the MR requirement. |
| Running average | This is the arithmetic mean of the accumulated balances from the first calendar day of the current maintenance period until the last day of the maintenance period, i.e sum of daily balances from beginning of the maintenance period till the end of the maintenance period / total number of days in the maintenance period (for ongoing maintenance periods: sum of daily balances from beginning of the maintenance period till the day for which MR data is available in the DWH / total number of days in the maintenance period that have already been passed).<br>As soon as a Maintenance Period is over, this amount corresponds to the Minimum Reserve fulfilment. |
| Adjustment balance | The adjustment balance is the amount that would be needed at the end of each business day from the current day until the end of the maintenance period, in order to precisely fulfil the minimum reserve requirement.<br>It corresponds to the daily average that the party would have to hold on its cash accounts for the remaining business days in the maintenance period to fulfil its minimum reserve requirement. In case that the minimum reserve requirement for an ongoing maintenance period is already fulfilled the adjustment balance is 0 (zero).<br>~~This field is only filled in case the chosen maintenance period is the currently running. For past maintenance periods, this field is empty.~~ This field is only relevant in case the chosen maintenance period is currently running. For past maintenance periods, the value for this field is 0.00. |
| Excess / deficiency of reserves | This is the difference between the running average and the minimum reserve requirements. |
| MR ~~i~~interest amount **{CR-187}** | The amount of MR interest for the displayed maintenance period.<br>In case the chosen maintenance period is the currently running, the accrued interest is displayed, calculated from the start of the MP until the end of the day preceding the day of report generation.<br>Please note, that accrued MR interest calculations are based on MR fulfilment data delivered by CLM. |
| Excess reserve interest amount (non-exemption tier) | Amount of interest to be paid for excess reserves within the non-exemption tier.<br>In case the chosen maintenance period is the currently running, the accrued interest is calculated from the start of the MP until the end of the day preceding the day of report generation.<br>Please note, that accrued excess reserve interest calculations are based on MR fulfilment data delivered by CLM. |

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| | |
|---|---|
| Excess reserve interest amount (exemption tier) | Amount of interest to be paid for excess reserves within the exemption tier.<br>In case the chosen maintenance period is the currently running, the accrued interest is calculated from the start of the MP until the end of the day preceding the day of report generation.<br>Please note, that accrued excess reserve interest calculations are based on MR fulfilment data delivered by CLM. |
| MR calculated penalty amount 1 (single infringement) | Penalty to be debited for balances not meeting the MR requirements. The value is calculated by CLM at the end of the MP. It is up to the responsible CB to decide, whether penalties are debited and which of the two.<br>This field is only filled for a past maintenance period. For the current maintenance period, this field is empty. |
| MR calculated penalty amount 2 (repeated infringement) | Penalty to be debited for balances not meeting the MR requirements. The value is calculated by CLM at the end of the MP. It is up to the responsible CB to decide, whether penalties are debited and which of the two.<br>This field is only filled for a past maintenance. For the current maintenance period, this field is empty. |

**Table 77: MIR01 - Output description - table minimum reserve information – past maintenance periods {CR-187}**

| **MIR01 – Report description – output screen – table list of interest and penalty rates** | |
|---|---|
| **Field label** | **Description** |
| Currency | Shows the ISO currency code. |
| Country code | Displays the country code of the BIC which the data is shown for. |
| Calculation includes data until <Date> | The calculation includes data until the given date. For past maintenance periods it is always the last day of the MP, for running MP it is the date of the last data load in the DWH. |
| Number of calendar days in the MP | Number of days within the maintenance period; For current MP, the days are counted from the start of the MP until the date in the previous line. |
| Minimum reserve interest rate | Rate (in %) which is used to calculate the interest amount on MR |
| Excess reserve interest rate 1 (exempt tier) | Rate (in %) which is used to calculate the interest amount for excess reserves (exempt tier). |
| Excess reserve interest rate 2<br>(non-exempt tier) | Rate (in %) which is used to calculate the interest amount for excess reserves (non-exempt tier). |
| Excess reserve exemption factor | Factor for the calculation of the excess reserve exemption amount |

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| | |
|---|---|
| Penalty rate 1 (single infringement) | Rate (in %) which is used to calculate the interest amount on MR balances which did not meet the MR requirement (for a single infringement). |
| Penalty rate 2 (repeated infringement) | Rate (in %) which is used to calculate the interest amount on MR balances which did not meet the MR requirement (for a repeated infringement) |

**Table 78: MIR01 - Output description - table list of interest and penalty rates**

## 5.9.2 MIR02 - Minimum reserve requirements per country

**Context of usage**

This report provides information on the aggregated amount of minimum reserve requirements for a given reserve maintenance period and the five preceding reserve maintenance periods. For each reserve maintenance period the aggregated amount of minimum reserve requirements at country level is reported.

CBs can retrieve aggregated minimum reserve information of parties belonging to their system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [MIR – Minimum Reserve Reports] >> [MIR02]

**Screenshot – prompt**

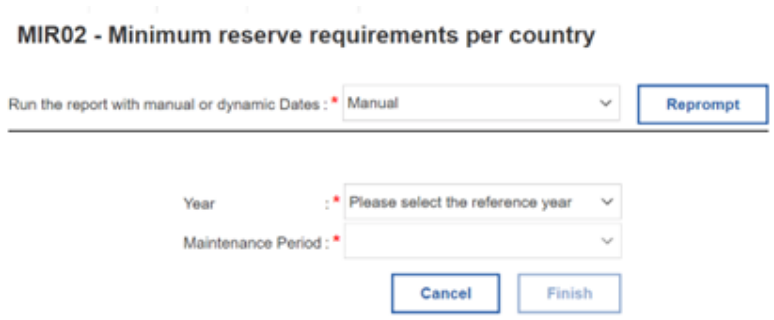



**Figure 290: MIR02 prompt - Manual**

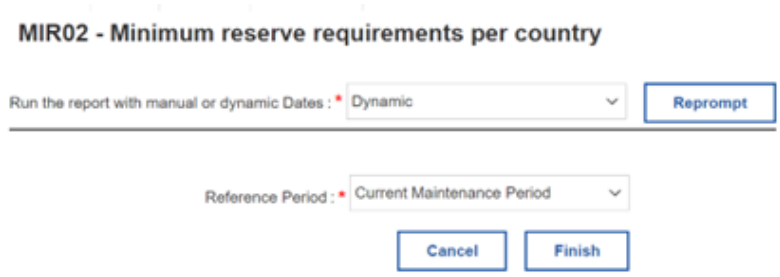



**Figure 291: MIR02 prompt - Dynamic**

## Prompt description

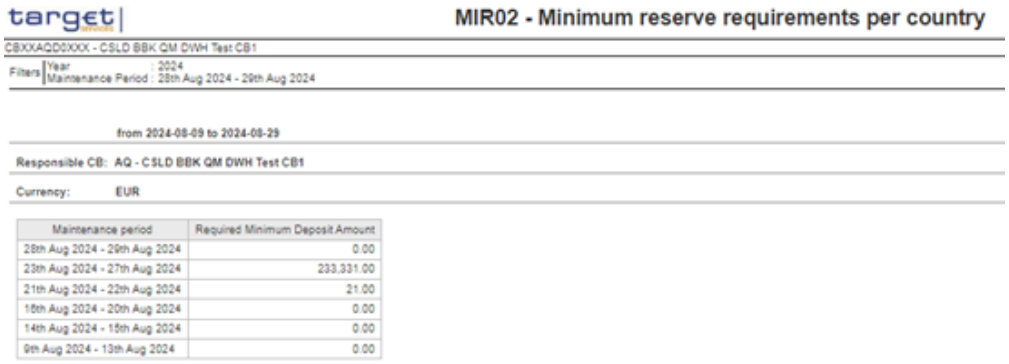
| MIR02 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Maintenance period | You can select the required maintenance period in this drop-down field.<br>This field contains “validity start date” to “validity end date” of maintenance periods and consists of all maintenance periods that start in the chosen year<br>This field is mandatory. |

**Table 79: MIR02 - Prompt description - Manual**

| MIR02 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Period | Reference Period for which the data shall be displayed.<br>Possible values:<br>- Current Maintenance Period<br>- Last Maintenance Period<br>This field is mandatory. |

**Table 80: MIR02 - Prompt description - Dynamic**

## Screenshot - output screen



target

MIR02 - Minimum reserve requirements per country

CBXXAQDSXXX - CSLD BBK QM DWH Test CB1

Filters | Year : 2024
Maintenance Period : 28th Aug 2024 - 29th Aug 2024

from 2024-08-09 to 2024-08-29

Responsible CB: AQ - CSLD BBK QM DWH Test CB1

Currency: EUR

| Maintenance period | Required Minimum Deposit Amount |
|---|---|
| 28th Aug 2024 - 29th Aug 2024 | 0.00 |
| 23th Aug 2024 - 27th Aug 2024 | 233,331.00 |
| 21th Aug 2024 - 22th Aug 2024 | 21.00 |
| 15th Aug 2024 - 20th Aug 2024 | 0.00 |
| 14th Aug 2024 - 15th Aug 2024 | 0.00 |
| 9th Aug 2024 - 13th Aug 2024 | 0.00 |

**Figure 292: MIR02 output**

### Output description

| **MIR02 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| From / To | Displays the first day of the first maintenance period to the last day of the last maintenance period. |
| Responsible CB | Shows the responsible party BIC for the maintenance period. |
| Currency | Shows the currency in which the minimum reserve requirements are kept. |
| For the chosen maintenance period and the five preceding periods: | |
| Maintenance period | Shows the validity start date until validity end date of the maintenance period |
| Required minimum deposit amount | Aggregated amount of the minimum reserve requirements during the respective period at the country level:<br>Within the data scope of the CB the minimum reserve requirements of all parties subject to minimum reserve requirements (minimum reserve obligation = direct, indirect or pool) for the respective maintenance period are summed up. |

**Table 81: MIR02 - Output description**

## 5.9.3 MIR03 - Accounting current account remuneration {CR-175}

### Context of usage

The DWH report MIR03 provides information relevant for reporting of accrued interest on current accounts with minimum reserve context based on the rules of Accounting Monetary Income Committee (AMICO) as per reporting date. The data provided by this report belongs to the business area “Minimum Reserve Accounting Information”.

This report can be used by CB users.

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## Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [MIR – Minimum Reserve Reports] >> [MIR03]

## Screenshot – prompt - Manual

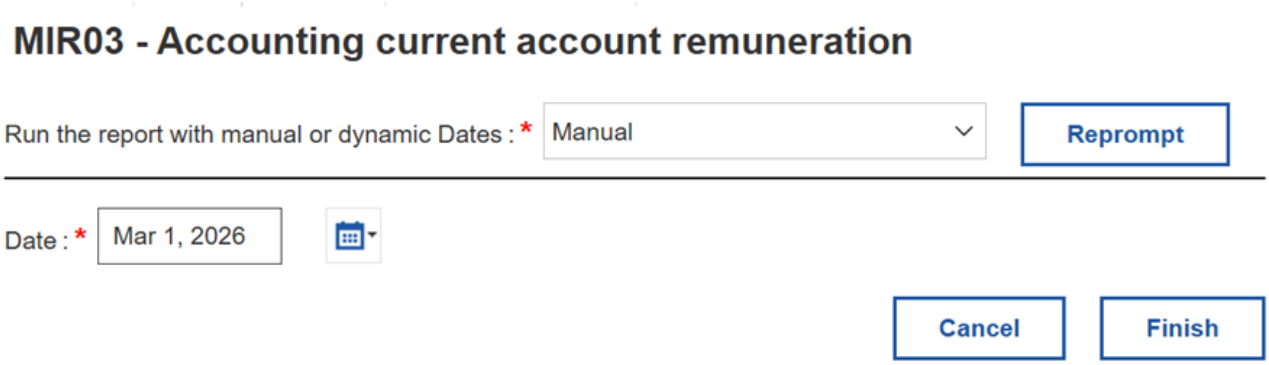



**Figure 293: MIR03 prompt - Manual {CR-175}**

## Screenshot – prompt - Manual

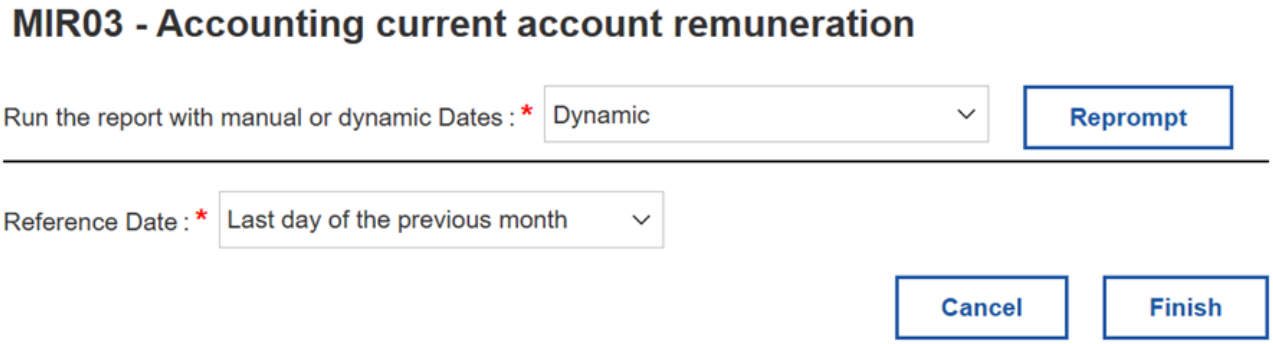



**Figure 294: MIR03 prompt - Dynamic {CR-175}**

## Prompt description – Manual

| MIR03 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Date | You can use this field to select the date for the report data.<br>This field is mandatory. |

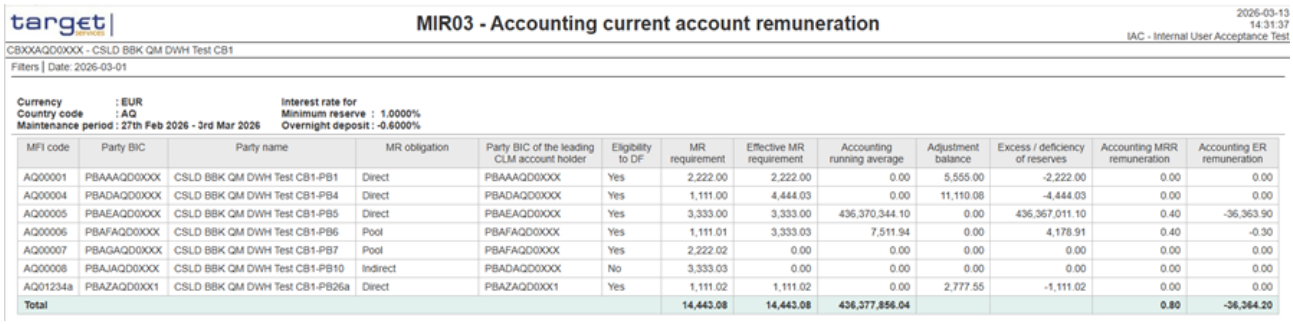
**Table 82: MIR03 – Prompt description – Manual {CR-175}**

## Prompt description – Dynamic

| MIR03 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Date | You can use this field to select the reference date for the report data. It can be either the last day of the previous month (default) or calendar day -1.<br>This field is mandatory. |

**Table 83: MIR03 – Prompt description – Dynamic {CR-175}**

## Screenshot - output screen



MIR03 - Accounting current account remuneration

2026-03-13 14:31:37
IAC - Internal User Acceptance Test

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date: 2026-03-01

Currency : EUR
Country code : AQ
Maintenance period : 27th Feb 2026 - 3rd Mar 2026

Interest rate for
Minimum reserve : 1.0000%
Overnight deposit : -0.6000%

| MFI code | Party BIC | Party name | MR obligation | Party BIC of the leading CLM account holder | Eligibility to DF | MR requirement | Effective MR requirement | Accounting running average | Adjustment balance | Excess / deficiency of reserves | Accounting MRR remuneration | Accounting ER remuneration |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AQ00001 | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | Direct | PBAAAQD0XXX | Yes | 2,222.00 | 2,222.00 | 0.00 | 5,555.00 | -2,222.00 | 0.00 | 0.00 |
| AQ00004 | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | Direct | PBADAQD0XXX | Yes | 1,111.00 | 4,444.03 | 0.00 | 11,110.08 | -4,444.03 | 0.00 | 0.00 |
| AQ00005 | PBAEAQD0XXX | CSLD BBK QM DWH Test CB1-PB5 | Direct | PBAEAQD0XXX | Yes | 3,333.00 | 3,333.00 | 436,370,344.10 | 0.00 | 436,367,011.10 | 0.40 | -36,363.90 |
| AQ00006 | PBAFAQD0XXX | CSLD BBK QM DWH Test CB1-PB6 | Pool | PBAFAQD0XXX | Yes | 1,111.01 | 3,333.03 | 7,511.94 | 0.00 | 4,178.91 | 0.40 | -0.30 |
| AQ00007 | PBAGAQD0XXX | CSLD BBK QM DWH Test CB1-PB7 | Pool | PBAFAQD0XXX | Yes | 2,222.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AQ00008 | PBAJAQD0XXX | CSLD BBK QM DWH Test CB1-PB10 | Indirect | PBADAQD0XXX | No | 3,333.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AQ01234a | PBAZAQD0XX1 | CSLD BBK QM DWH Test CB1-PB26a | Direct | PBAZAQD0XX1 | Yes | 1,111.02 | 1,111.02 | 0.00 | 2,777.55 | -1,111.02 | 0.00 | 0.00 |
| **Total** | | | | | | **14,443.08** | **14,443.08** | **436,377,856.04** | | | **0.80** | **-36,364.20** |

**Figure 295: MIR03 output {CR-175}**

## Output description

| MIR03 – Report description – output screen – Accounting current account remuneration | |
|---|---|
| **Field label** | **Description** |
| Sorted by party BIC: | |
| MFI code | MFI code of the party |
| Party BIC | BIC of the party |
| Party name | Name of the party |
| MR obligation | Minimum reserve obligation.<br>Possible Values:<br>- Direct<br>- Indirect<br>- Pool |
| Party BIC of the leading CLM account holder | BIC of the party that holds the leading CLM account relevant for Minimum Reserve calculation in CLM |

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| | |
|---|---|
| Eligibility to DF | Status of the respective party eligibility to deposit facility (yes / no) |
| MR requirement | Amount of minimum reserve to be held at the end of each day of the maintenance period. |
| Effective MR requirement | Amount of minimum reserve to be held effectively at the end of each day of the maintenance period. |
| Accounting running average | This is the arithmetic mean of the accumulated balances from the first calendar day until the last calendar day of the maintenance period assuming the EOD balance being zero for the remaining days of the relevant maintenance period according to the rules of AMICO.<br>As soon as a maintenance period is over, this amount corresponds to the minimum reserve fulfilment. |
| Adjustment balance | The adjustment balance is the amount that is needed at the end of each business day in order to precisely fulfil the minimum reserve requirement from the reference date until the end of the relevant maintenance period. In case that the minimum reserve requirement for the relevant maintenance period is already fulfilled the adjustment balance is 0 (zero). This value follows the same logic as in the underlying MIR01. It provides useful information for the next business day, regardless of closing days / weekends |
| Excess / deficiency of reserves | This is the difference between the running average and the effective MR requirement |
| Accounting MRR remuneration | The amount of MR remuneration for the displayed maintenance period calculated according to the AMICO rules |
| Accounting ER remuneration | The amount of ER remuneration for the displayed maintenance period calculated according to the AMICO rules. The respective cell/field is only filled with values if the party is eligible for the overnight facility or the overnight facility interest rate is negative. Otherwise, the field remains empty. |
| Total | The values in the respective columns should be added up in the Total row:<br>- MR requirement<br>- Effective MR requirement<br>- Accounting running average<br>- Accounting MRR remuneration<br>- Accounting ER remuneration |

**Table 84: MIR03 - Output description - Accounting current account remuneration {CR-175}**

**{CR-175}**

# 5.10 TARGET Multilateral Balances (MLB)

## 5.10.1 MLB01 - TARGET Multilateral Balances

**Context of usage**

The MLB01 report allows all Central Banks having a CB ECB Account to have access to daily EoD balances of all CB ECB Accounts in the data warehouse.

This report is set up with search prompts for date range and the possibility of dynamic date scheduling.

When running the report the system will check whether the CB (identified by the user running the report) is owning a CB ECB Account. If not, the report will be empty otherwise a result will be shown.

For every CB owning a CB ECB Account in T2 the report result contains:

- Party BIC of the CB owning the CB ECB Account
- Business Day (one line for every business day within the selected date range)
- EoD Balances of all CB ECB Accounts of this business day

This report will only be available for CB users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [MLB –Target Multilateral Balances] >> [MLB01] Screenshot – prompt

**Screenshot-prompt**

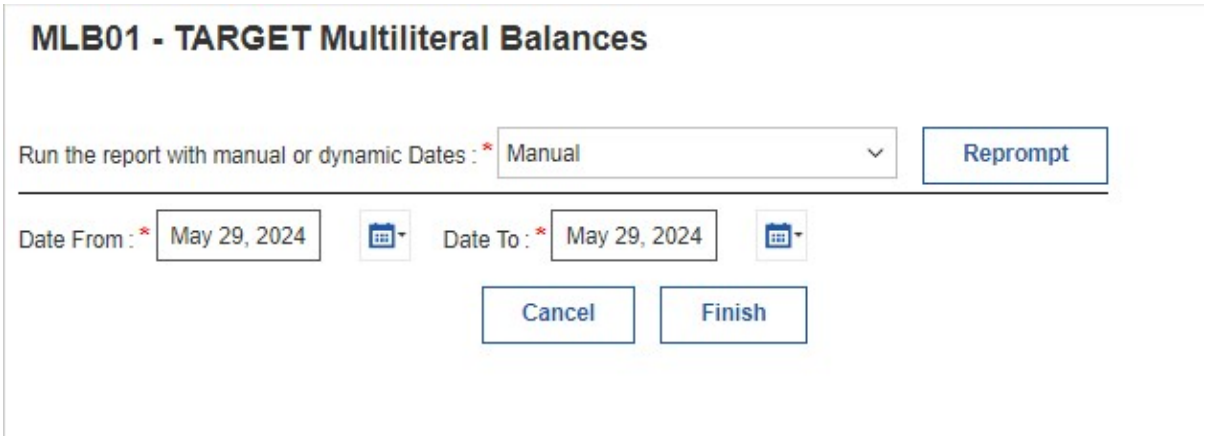



**Figure 296: Prompt – manual**

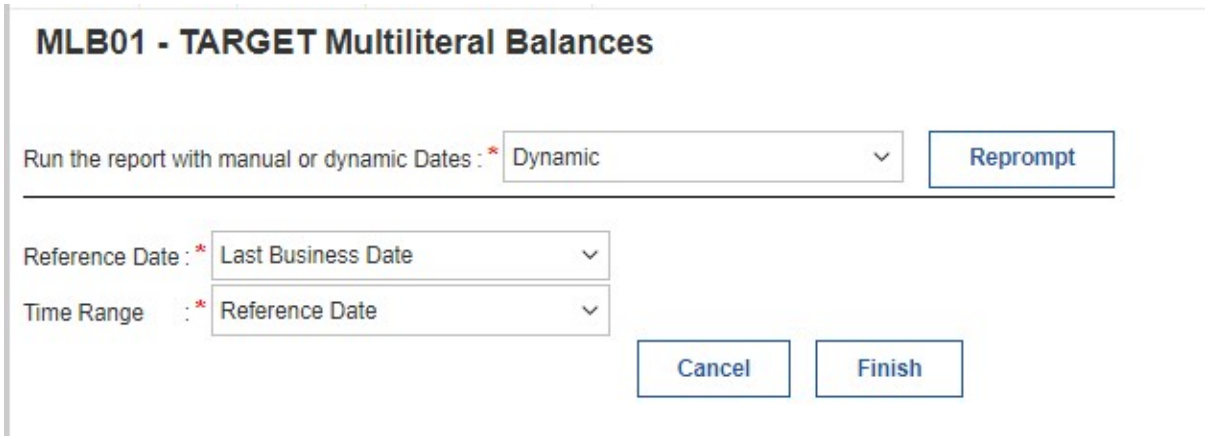



**Figure 297: Prompt – dynamic**

## Prompt description - manuel

| MLB01 – Report description – prompt screen - manual | |
|---|---|
| **Field label** | **Description** |
| Date from | You can use this field to select the Date from which the report should contain the data.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data.<br>This field is mandatory. |

**Table 85: MLB01 - Prompt description - manual**

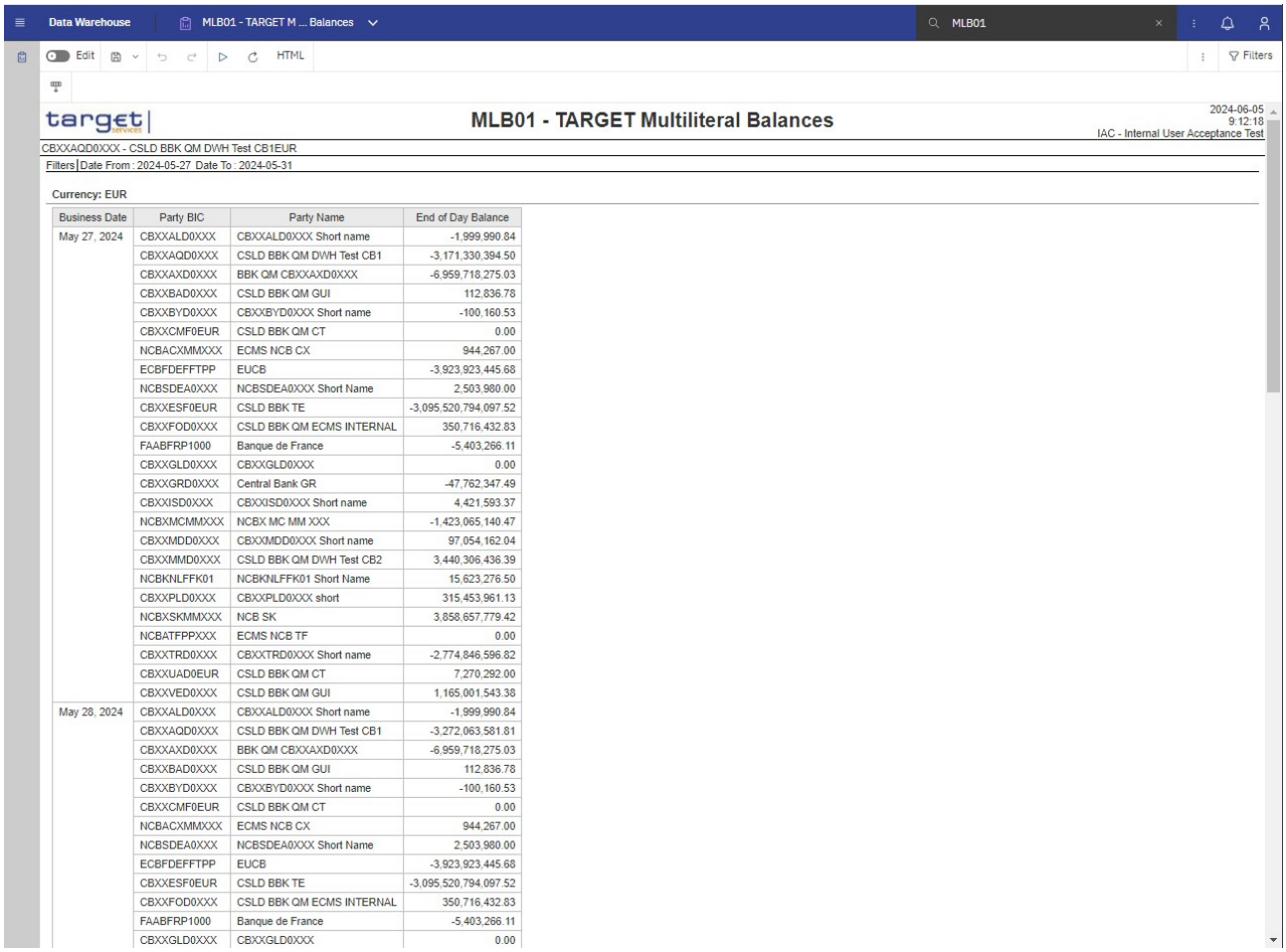
## Prompt description - dynamic

| MLB01 – Report description – prompt screen - dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>This field is mandatory. |
| Time range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution.<br>This field is mandatory |

**Table 86: MLB01 - Prompt description - dynamic**

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## Screenshot – output




| Business Date | Party BIC | Party Name | End of Day Balance |
|---|---|---|---|
| May 27, 2024 | CBXXALD0XXX | CBXXALD0XXX Short name | -1,999,990.84 |
| | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | -3,171,330,394.50 |
| | CBXXAXD0XXX | BBK QM CBXXAXD0XXX | -6,959,718,275.03 |
| | CBXXBAD0XXX | CSLD BBK QM GUI | 112,836.78 |
| | CBXXBYD0XXX | CBXXBYD0XXX Short name | -100,160.53 |
| | CBXXCMF0EUR | CSLD BBK QM CT | 0.00 |
| | NCBACXMMXXX | ECMS NCB CX | 944,267.00 |
| | ECBFDEFFTPP | EUCB | -3,923,923,445.68 |
| | NCBSDEA0XXX | NCBSDEA0XXX Short Name | 2,503,980.00 |
| | CBXXESF0EUR | CSLD BBK TE | -3,095,520,794,097.52 |
| | CBXXFOD0XXX | CSLD BBK QM ECMS INTERNAL | 350,716,432.83 |
| | FAABFRP1000 | Banque de France | -5,403,266.11 |
| | CBXXGLD0XXX | CBXXGLD0XXX | 0.00 |
| | CBXXGRD0XXX | Central Bank GR | -47,762,347.49 |
| | CBXXISD0XXX | CBXXISD0XXX Short name | 4,421,593.37 |
| | NCBXMCMMXXX | NCBX MC MM XXX | -1,423,065,140.47 |
| | CBXXMDD0XXX | CBXXMDD0XXX Short name | 97,054,162.04 |
| | CBXXMMD0XXX | CSLD BBK QM DWH Test CB2 | 3,440,306,436.39 |
| | NCBKNLFFK01 | NCBKNLFFK01 Short Name | 15,623,276.50 |
| | CBXXPLD0XXX | CBXXPLD0XXX short | 315,453,961.13 |
| | NCBXSKMMXXX | NCB SK | 3,858,657,779.42 |
| | NCBATFPPXXX | ECMS NCB TF | 0.00 |
| | CBXXTRD0XXX | CBXXTRD0XXX Short name | -2,774,846,596.82 |
| | CBXXUAD0EUR | CSLD BBK QM CT | 7,270,292.00 |
| | CBXXVED0XXX | CSLD BBK QM GUI | 1,165,001,543.38 |
| May 28, 2024 | CBXXALD0XXX | CBXXALD0XXX Short name | -1,999,990.84 |
| | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | -3,272,063,581.81 |
| | CBXXAXD0XXX | BBK QM CBXXAXD0XXX | -6,959,718,275.03 |
| | CBXXBAD0XXX | CSLD BBK QM GUI | 112,836.78 |
| | CBXXBYD0XXX | CBXXBYD0XXX Short name | -100,160.53 |
| | CBXXCMF0EUR | CSLD BBK QM CT | 0.00 |
| | NCBACXMMXXX | ECMS NCB CX | 944,267.00 |
| | NCBSDEA0XXX | NCBSDEA0XXX Short Name | 2,503,980.00 |
| | ECBFDEFFTPP | EUCB | -3,923,923,445.68 |
| | CBXXESF0EUR | CSLD BBK TE | -3,095,520,794,097.52 |
| | CBXXFOD0XXX | CSLD BBK QM ECMS INTERNAL | 350,716,432.83 |
| | FAABFRP1000 | Banque de France | -5,403,266.11 |
| | CBXXGLD0XXX | CBXXGLD0XXX | 0.00 |

**Figure 298: MLB01 –OUTPUT**

## Output description

| MLB01 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Business day | One line per business day and CB Party BIC |
| Party BIC | Party BIC of the CB owning the CB ECB Account – sorted by 5th and 6th character of the BIC |
| Party name | Name of the party owning the CB ECB account |
| EoD balance | EoD balance of the CB ECB Account |

**Table 87: MLB01 - Output description**

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# 5.11 Participation reports (PAR)

## 5.11.1 PAR01 - Critical participants

**Context of usage**

This report aims to identify critical participants in RTGS. For the chosen quarter, the report provides information on the daily average volume and value of payments and AS transfers on RTGS dedicated cash accounts (DCAs). Payments and AS transfers are counted once on the debit side of each RTGS DCA and reported by account number, party BIC and party name. Volumes and values for payments and AS transfers are reported as aggregated daily averages for the chosen quarter. By standard, the report result is sorted decreasing by the aggregated daily average value of payments and AS transfers.

In a second report table the report provides the daily average volume and value of payments and AS transfers on all RTGS DCAs within the given quarter. In addition, the value corresponding to one percent of the reported value is displayed.

CBs can retrieve information for those parties belonging to their system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [PAR – Participation Reports] >> [PAR01]

**Screenshot – prompt**




**Figure 299: PAR01 prompt - Manual**

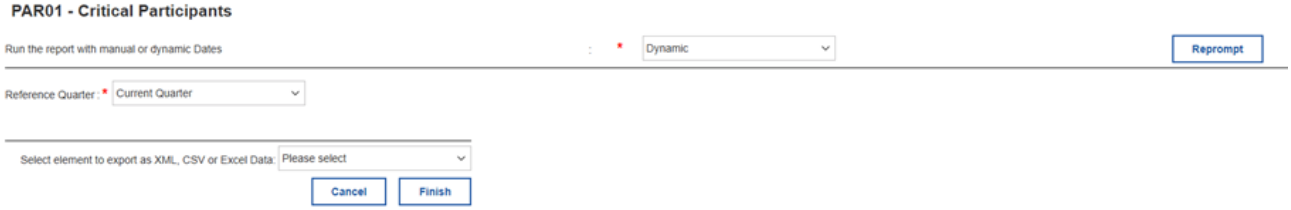



**Figure 300: PAR01 prompt - Dynamic**

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## Prompt description

| PAR01 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory |
| Quarter | You can use this drop-down field to select the quarter, from which the report should contain the data.<br>This field is mandatory |
| Select element to export as XML, CSV or Excel Data | - Critical participants<br>- Critical participants summary<br>This field is optional. |

**Table 88: PAR01 - Prompt description - Manual**

| PAR01 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Quarter | Reference Quarter for which the data shall be displayed.<br>Possible values:<br>- Current Quarter<br>- Previous Quarter<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Critical participants<br>- Critical participants summary<br>This field is optional. |

**Table 89: PAR01 - Prompt description - Dynamic**

## Screenshot - output screen

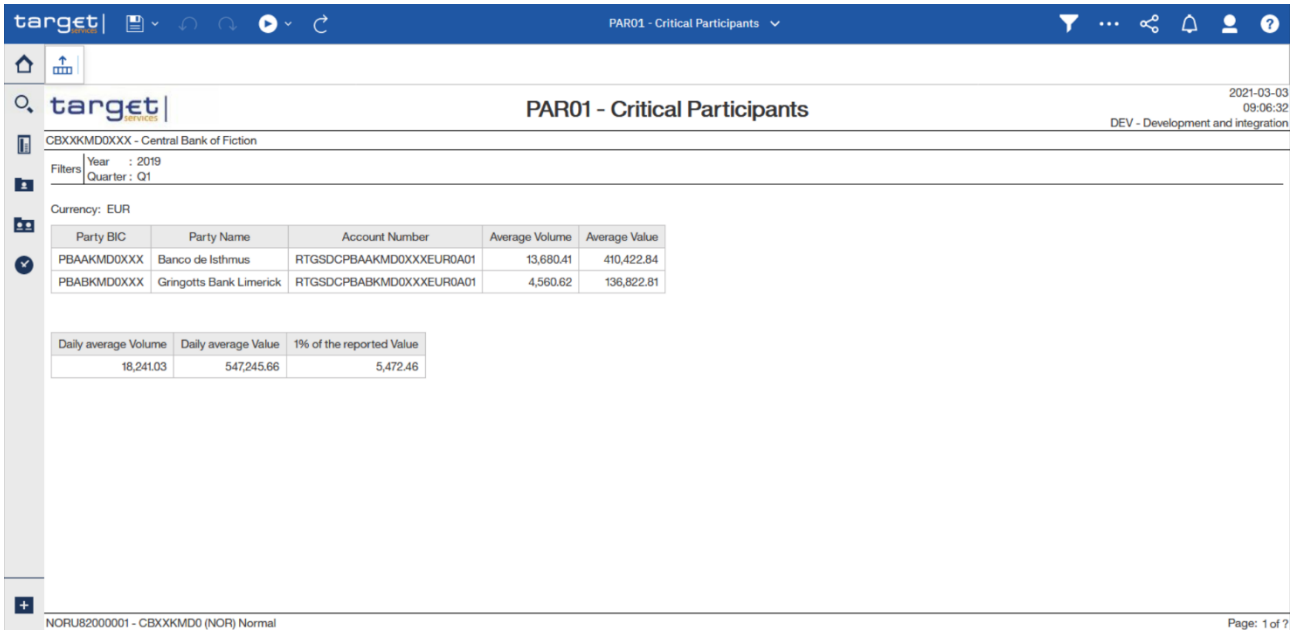



**Figure 301: PAR01 output (1)**

## Output description

| **PAR01 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| List by RTGS DCA and party. It is sorted by average value decreasing, then average volume decreasing, then party BIC decreasing | |
| Party | BIC and short name of the party |
| Cash Account Number | RTGS dedicated cash account number |
| Daily Average Volume | Average volume of the debit side of payments and AS transfers on the specified RTGS DCA. |
| Daily Average Value | Average value of the debit side of payments and AS transfers on the specified RTGS DCA. |
| Overall | |
| Daily average Volume | Daily average volume for all RTGS DCAs in the first list. |
| Daily average Value | Daily average value for all RTGS DCAs in the first list. |
| 1 % of the reported Value | 1 % of the daily average value for all RTGS DCAs in the first list. |

**Table 90: PAR01 - Output description**

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## 5.11.2 PAR02 - List of active Direct and Indirect Participants according to RTGS Directory

**Context of usage**

This report provides information on those entities being a Direct or an Indirect Participant ~~(Participation Type = 01 – Direct or 02 – Indirect)~~ according to the RTGS Directory on a given date.

For each Direct and Indirect Participant the following information from the RTGS Directory are provided: BIC, Institution Name, Valid from, National Sorting Code, Participation Type. In addition, the overall number of Direct and Indirect Participants is reported.

In case of Indirect Participation, the report provides the country code ~~(ISO 3166 Alpha-2)~~ from the BIC of the corresponding Direct Participant.

~~The report is provided in several sorting options, including an option where the Indirect Participants are reported under their corresponding Direct Participant/addressee.~~**{CR-187}**

**Note:** Independent from the participation type, unpublished BICs and entries with a "Valid from" in the future are not considered for the purpose of this report:

This report can be used by CB, PB and AS users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [PAR – Participation Reports] >> [PAR02]

**Screenshot – prompt**

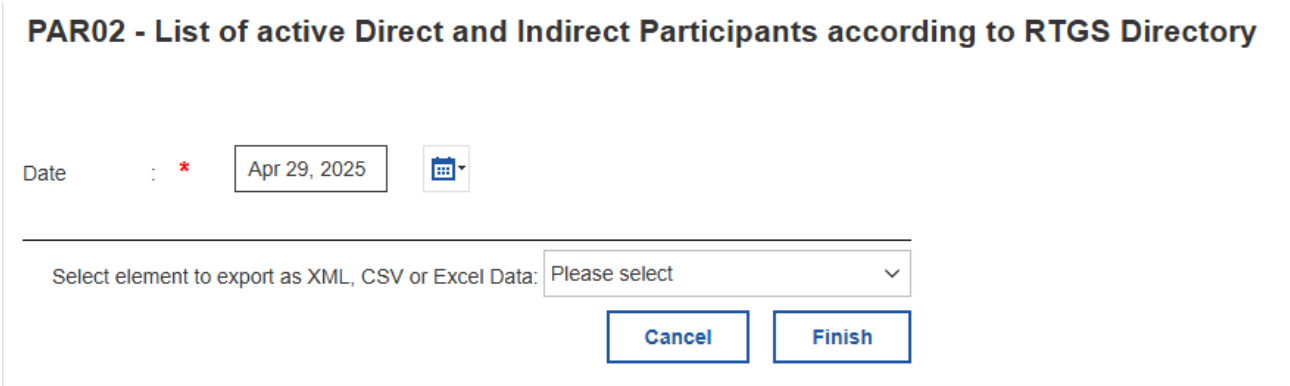



**Figure 302: PAR02 prompt**

**Prompt description**

| **PAR02 – Report description – prompt screen** |
|---|

| Field label | Description |
|---|---|
| Date | You can select the date by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Direct participant view<br>- Indirect participant view<br>- Total number of participants<br>This field is optional. |

**Table 91: PAR02 - Prompt description**

## Screenshot - output screen

## Output description

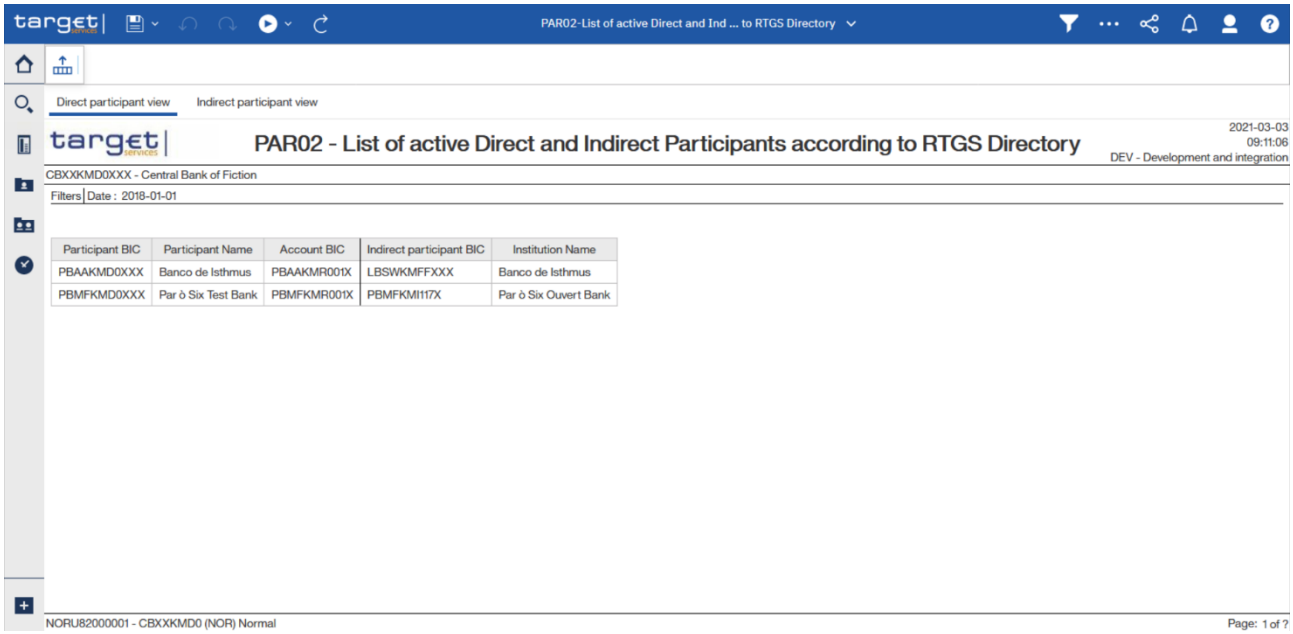



**Figure 303: PAR02 output (1)**

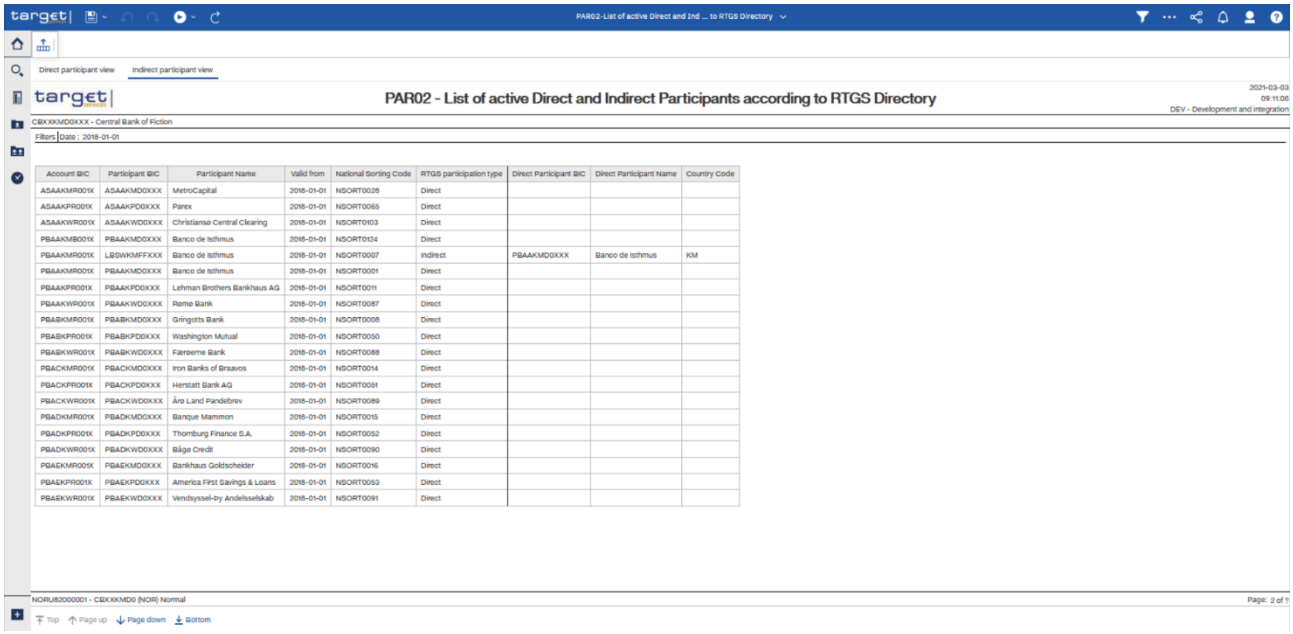



**Figure 304: PAR02 output (2)**

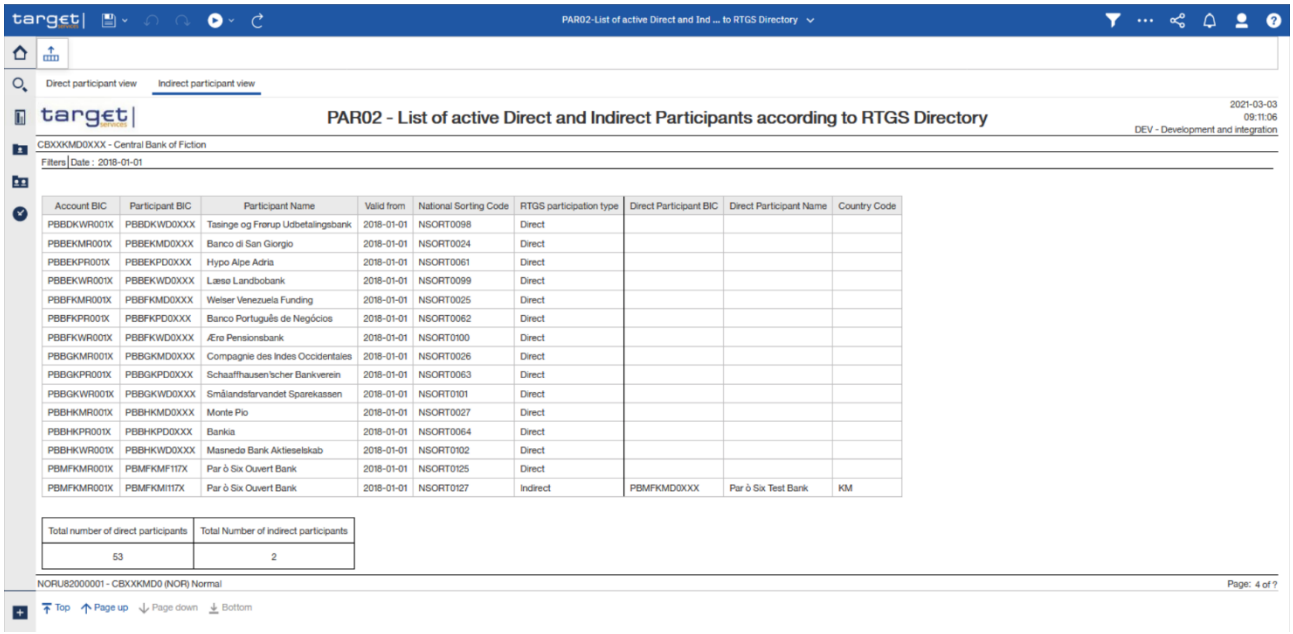



**Figure 305: PAR02 output (3)**

| **PAR02 – Report description – output screen – table Direct Participant view** | |
|---|---|
| **Field label** | **Description** |
| Per active party in RTGS, sorted by participant BIC, then by account BIC. | |
| Participant BIC | The participant BIC |
| Participant name | Short name of the participant |

| | |
|---|---|
| Account BIC | RTGS DCA account BIC of the Direct Participant, where at least one Indirect Participant is linked to. |
| Indirect Participant BIC | BIC of the Indirect Participant linked to the account BIC |
| Institution name | Institution name of the Indirect Participant |
| **PAR02 – Report description – output screen – table Indirect Participant view** | |
| **Field label** | **Description** |
| Per active party in RTGS, sorted by account BIC. | |
| Account BIC | RTGS DCA Account BIC of the Direct Participant. |
| Participant BIC | BIC of the Direct or Indirect Participant. |
| Participant Name | Short name of the Direct or Indirect Participant. |
| Valid from | Date, from which the Direct or Indirect Participant became valid. |
| National Sorting Code | National sorting code of the Direct or Indirect Participant |
| RTGS participation type | RTGS participation type.<br>Possible values:<br>- Direct<br>- Indirect |
| Direct Participant BIC | The Participant BIC of the related participant. |
| Direct Participant Name | The Direct Participant Name of the related participant. |
| Country code | The Country code of the related participant. |
| Total number of Direct Participants | Only displayed for participation type = direct |
| Total number of Indirect Participant | Only displayed for participation type = indirect |

**Table 92: PAR02 - Output description**

## 5.11.3 PAR03 - Parties subject and not subject to minimum reserve

**Context of usage**

This report provides information on whether or not parties are subject to minimum reserves according to the CLM configuration reference data attribute Minimum Reserve Obligation on a given date.

Separate lists are provided for parties holding their minimum reserves direct, indirect, in a pool of accounts (pool) and those not being subject to minimum reserves.

Each party is reported with its respective MFI code in addition to its party BIC and name.

For parties holding their minimum reserves indirect, BIC and name of the party maintaining reserves for this party are reported.

CBs can retrieve data of those parties belonging to their system entity.

This report can be used by CB users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [PAR – Participation Reports] >> [PAR03]

**Screenshot – prompt**

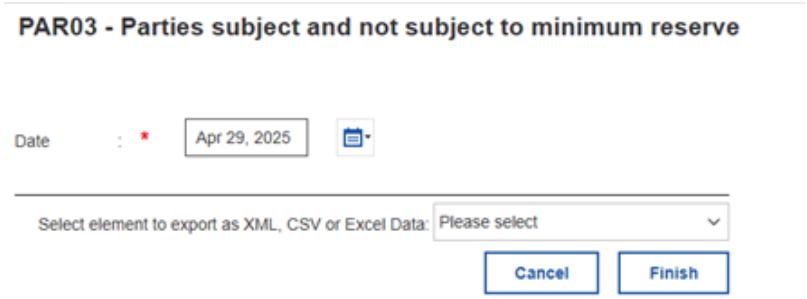



**Figure 306: PAR03 prompt**

**Prompt description**

| **PAR03 – Report description – prompt screen** | |
|---|---|
| **Field label** | **Description** |
| Date | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | Parties subject to minimum reserve<br>Parties not subject to minimum reserve<br>This field is optional. |

**Table 93: PAR03 - Prompt description**

## Screenshot - output screen

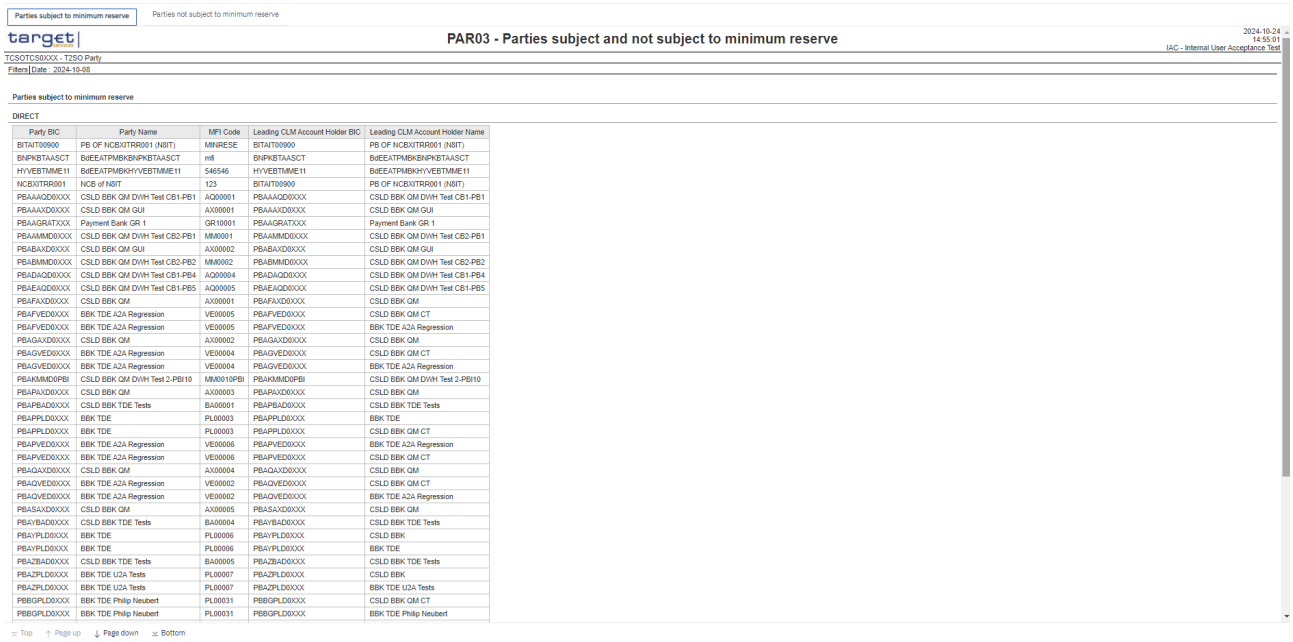



**Figure 307: PAR03 output (1)**




**Figure 308: PAR03 output (2)**

## Output description

| PAR03 – Report description – output screen – table parties subject to minimum reserve | |
|---|---|
| **Field label** | **Description** |

| | |
|---|---|
| Direct – List is sorted by party BIC | |
| Party BIC | Party BIC |
| Party Name | Party short name |
| MFI Code | MFI code of the party |
| Leading CLM Account Holder BIC | BIC of the Leading CLM Account Holder |
| Leading CLM Account Holder Name | Short name of the Leading CLM Account Holder |
| Indirect – List sorted by party BIC | |
| Party BIC | Party BIC |
| Party Name | Party short name |
| MFI Code | MFI code of the party |
| Leading CLM Account Holder BIC | BIC of the Leading CLM Account Holder |
| Leading CLM Account Holder Name | Short name of the Leading CLM Account Holder |
| Pool | |
| Party BIC | Party BIC |
| Party Name | Party short name |
| MFI Code | MFI code of the party |
| Leading CLM Account Holder BIC | BIC of the Leading CLM Account Holder |
| Leading CLM Account Holder Name | Short name of the Leading CLM Account Holder |

**Table 94: PAR03 - Output description - table parties subject to minimum reserve**

| **PAR03 – Report description – output screen - table parties not subject to minimum reserve** | |
|---|---|
| Field label | **Description** |
| Party BIC | Party BIC |
| Party Name | Party short name |

| | |
|---|---|
| MFI Code | MFI-Code of the party (can be empty) |

**Table 95: PAR03 - Output description - table parties not subject to minimum reserve**

## 5.11.4 PAR04 - List of ancillary systems

**Context of usage**

This report provides information on those parties classified as ancillary system according to the party reference data attribute Party Type on a given date.

For each ancillary system, the party name and BIC and the corresponding accounts of the ancillary system, or linked through a settlement bank account group, in RTGS are reported.

For each account the account number and the ancillary system procedure (where applicable) is provided.

CBs can retrieve data of those ancillary systems belonging to their system entity.

This report can be used by CB users only .

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [PAR – Participation Reports] >> [PAR04]

**Screenshot – prompt**

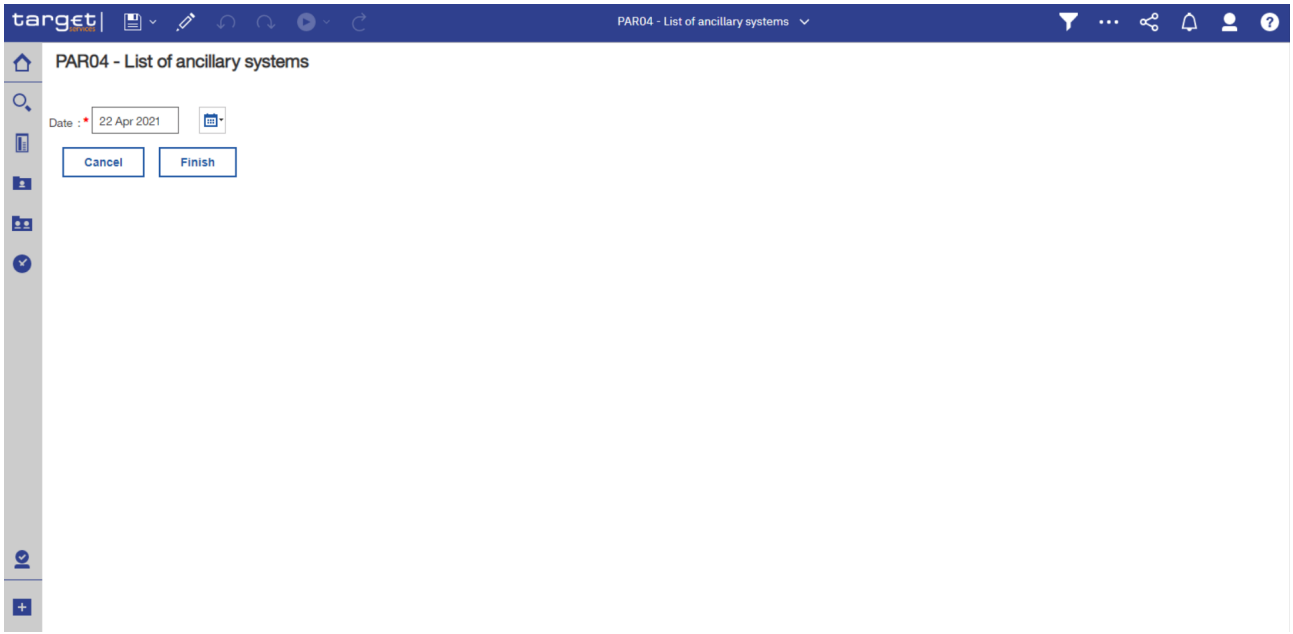


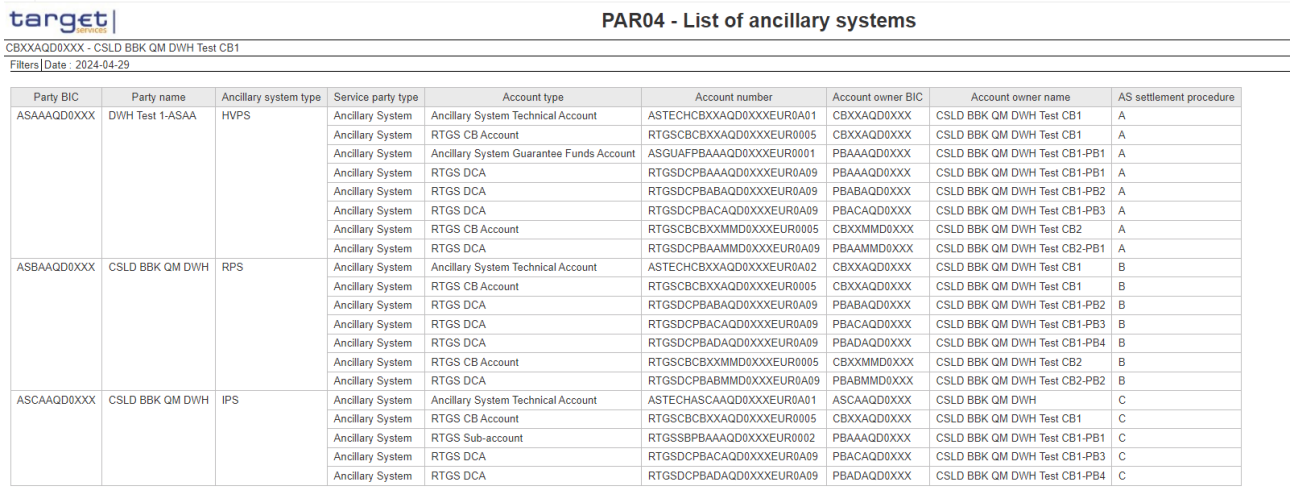

**Figure 309: PAR04 prompt**

**Prompt description**

| PAR04 – Report description – prompt screen | |
|---|---|
| **Field label** | **Description** |
| Date | You can select the date by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |

**Table 96: PAR04 - Prompt description**

## Screenshot - output screen



PAR04 - List of ancillary systems

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date : 2024-04-29

| Party BIC | Party name | Ancillary system type | Service party type | Account type | Account number | Account owner BIC | Account owner name | AS settlement procedure |
|---|---|---|---|---|---|---|---|---|
| ASAAAQD0XXX | DWH Test 1-ASAA | HVPS | Ancillary System | Ancillary System Technical Account | ASTECHCBXXAQD0XXXEUR0A01 | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | A |
| | | | Ancillary System | RTGS CB Account | RTGSCBCBXXAQD0XXXEUR0005 | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | A |
| | | | Ancillary System | Ancillary System Guarantee Funds Account | ASGUAFPBAAAQD0XXXEUR0001 | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | A |
| | | | Ancillary System | RTGS DCA | RTGSDCPBAAAQD0XXXEUR0A09 | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | A |
| | | | Ancillary System | RTGS DCA | RTGSDCPBABAQD0XXXEUR0A09 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | A |
| | | | Ancillary System | RTGS DCA | RTGSDCPBACAQD0XXXEUR0A09 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | A |
| | | | Ancillary System | RTGS CB Account | RTGSCBCBXXMMD0XXXEUR0005 | CBXXMMD0XXX | CSLD BBK QM DWH Test CB2 | A |
| | | | Ancillary System | RTGS DCA | RTGSDCPBAAMMD0XXXEUR0A09 | PBAAMMD0XXX | CSLD BBK QM DWH Test CB2-PB1 | A |
| ASBAAQD0XXX | CSLD BBK QM DWH | RPS | Ancillary System | Ancillary System Technical Account | ASTECHCBXXAQD0XXXEUR0A02 | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | B |
| | | | Ancillary System | RTGS CB Account | RTGSCBCBXXAQD0XXXEUR0005 | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | B |
| | | | Ancillary System | RTGS DCA | RTGSDCPBABAQD0XXXEUR0A09 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | B |
| | | | Ancillary System | RTGS DCA | RTGSDCPBACAQD0XXXEUR0A09 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | B |
| | | | Ancillary System | RTGS DCA | RTGSDCPBADAQD0XXXEUR0A09 | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | B |
| | | | Ancillary System | RTGS CB Account | RTGSCBCBXXMMD0XXXEUR0005 | CBXXMMD0XXX | CSLD BBK QM DWH Test CB2 | B |
| | | | Ancillary System | RTGS DCA | RTGSDCPBABMMD0XXXEUR0A09 | PBABMMD0XXX | CSLD BBK QM DWH Test CB2-PB2 | B |
| ASCAAQD0XXX | CSLD BBK QM DWH | IPS | Ancillary System | Ancillary System Technical Account | ASTECHASCAAQD0XXXEUR0A01 | ASCAAQD0XXX | CSLD BBK QM DWH | C |
| | | | Ancillary System | RTGS CB Account | RTGSCBCBXXAQD0XXXEUR0005 | CBXXAQD0XXX | CSLD BBK QM DWH Test CB1 | C |
| | | | Ancillary System | RTGS Sub-account | RTGSSBPBAAAQD0XXXEUR0002 | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | C |
| | | | Ancillary System | RTGS DCA | RTGSDCPBACAQD0XXXEUR0A09 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | C |
| | | | Ancillary System | RTGS DCA | RTGSDCPBADAQD0XXXEUR0A09 | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | C |

**Figure 310: PAR04 output**

## Output description

| PAR04 – Report description – output screen | |
|---|---|
| **Field Label** | **Description** |
| Party BIC | Party BIC of the ancillary system |
| Party Name | Party short name of the ancillary system |
| Ancillary System Type | Ancillary System Type.<br>Possible values:<br>- High-Value-Payment- Systems (HVPS)<br>- Retail-Payment-Systems (RPS)<br>- Instant-Payment-Systems (IPS)<br>- Security-Settlement-Systems (SSS)<br>- Foreign-Exchange-Settlement-Systems |

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| | |
|---|---|
| | ▪ Money-Market-Settlement-Systems (MMS)<br>▪ Central Counterparties (CCP)<br>▪ Other |
| Service Party Type | Service Party Type linked to the party.<br>Possible values:<br>▪ Ancillary system<br>▪ RTGS Account holder |
| Account Type | Account Type.<br>Possible values:<br>▪ RTGS CB account<br>▪ RTGS DCA<br>▪ RTGS sub-account<br>▪ AS guarantee funds account<br>▪ AS technical account |
| Account Number | Account Number, where the party (AS) is owner as well as those, that are linked to this party (AS) via its Settlement Bank Account Group. |
| Account Owner BIC | BIC of the party owning the account. This can either be the AS itself or (in case the account is linked to the AS via the Settlement Bank Account Group) the AS settlement bank |
| Account Owner Name | Name of the party owning the account |
| AS Settlement Procedure | Optional criteria;<br>Possible Values:<br>A, B, C, D, E<br>If not applicable, field is filled with "—" |

**Table 97: PAR04 - Output description**

## 5.11.5 PAR05 - Aggregations list

This report provides information on the aggregation groups that users have configured in Common Reference Data Management (CRDM) at a specific point time.

- Banking Group (BG)
  A Banking Group is an optional group of parties that CLM uses to provide a collective view over the liquidity of the involved parties of a central bank. A Banking Group is used for liquidity monitoring purposes of central banks.
- Account Monitoring Group (AMG)
  An Account Monitoring Group is an optional group of accounts (MCAs, DCAs and TIPS Accounts) that CLM uses in order to provide a collective view over the liquidity of the involved accounts to payment

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banks. An Account Monitoring Group is used for liquidity monitoring purposes of payment banks. The leader party of the Account Monitoring Group can see the liquidity of all included accounts while the other participants of the Account Monitoring Group can only see the liquidity of their accounts.

- Liquidity Transfer Group (LTG)
  A Liquidity Transfer Group is an optional group of MCAs that CBs can configure to allow intra-CLM liquidity transfers between them (not for liquidity monitoring purposes). Intra-service liquidity transfers between two MCAs can only take place between accounts belonging to the same Liquidity Transfer Group.
- Settlement Bank Account Group (SBAG)
  A Settlement Bank Account Group is a group of cash accounts used in ancillary system settlement.

Depending on the aggregation group, the report provides output based on cash accounts (liquidity transfer group, settlement bank account group and account monitoring group) and based on party (banking group).

This report is available to central bank (all groups) as well as to payment banks and ancillary systems (only for SBAG: leader party, AMG: leader party, LTG account owned by payment bank/ancillary system).

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [PAR – Participation Reports] >> [PAR05]

**Screenshot – prompt**

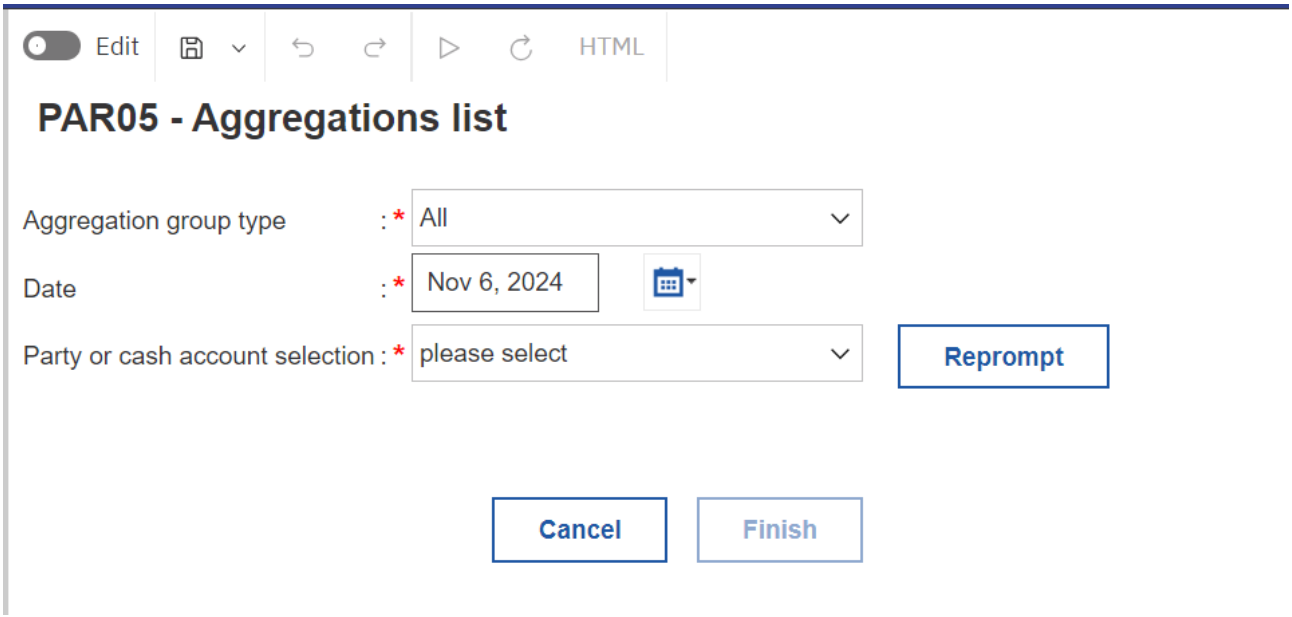



**Figure 311: PAR05 prompt**

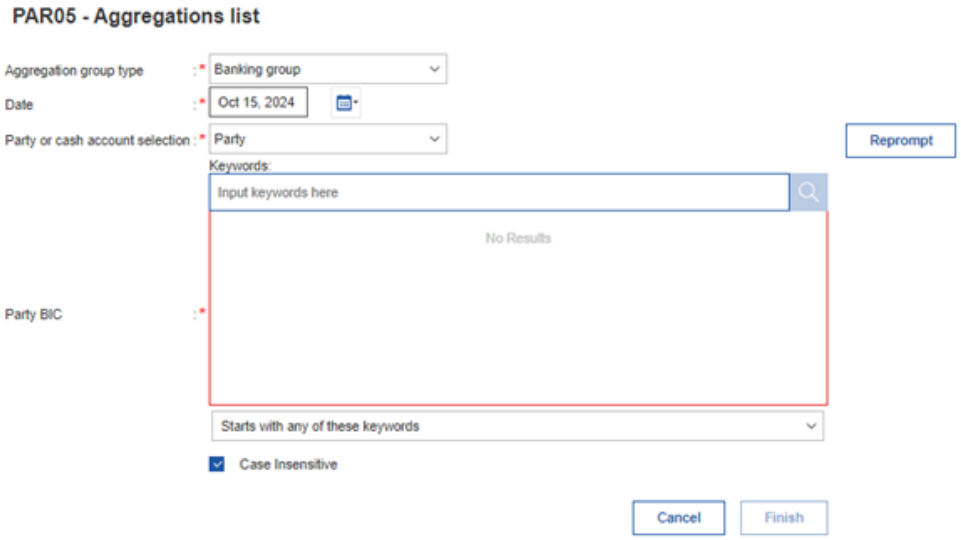



**Figure 312: PAR05 - Aggregations list**

## Prompt description

| **PAR05 – Report description – prompt screen** | |
|---|---|
| **Field label** | **Description** |
| Aggregation group type | You can use this drop-down field to select the type of aggregation group for which Cognos is to generate the report.<br>Possible values:<br>- BANK: Banking group<br>- ACCM: Account monitoring group<br>- LQTR: Liquidity transfer group<br>- SETL: Settlement bank account group<br>- All<br>The field is mandatory. |
| Date | The composition of aggregation groups may change over time. You can use this date picker to select the date as of which Cognos is to select the state of the selected aggregation groups.<br>This field is mandatory |
| Party or cash account selection | This field provides you with the option to select whether you wish to select an aggregation group that includes a specific party or cash account.<br>If a value other than “None” is selected, also Party or Cash account needs to be filled.<br>The field is mandatory. |

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| | |
|---|---|
| Party BIC | BIC and short name of the party The field is mandatory when the user select “Party”. |
| Cash Account Number | The cash account number for which the report output is created.<br>The field is mandatory when the user select “Cash Account”. |

**Table 98: PAR05 - Prompt description**

## Screenshot - output screen

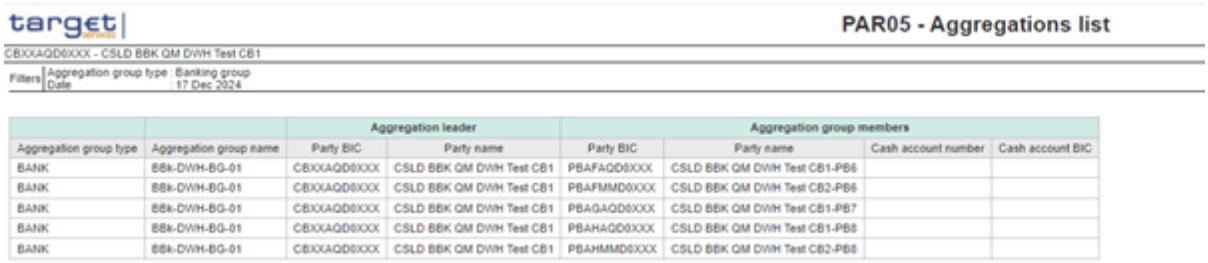



**Figure 313: PAR05 output (1) – Banking Group**

## Output description

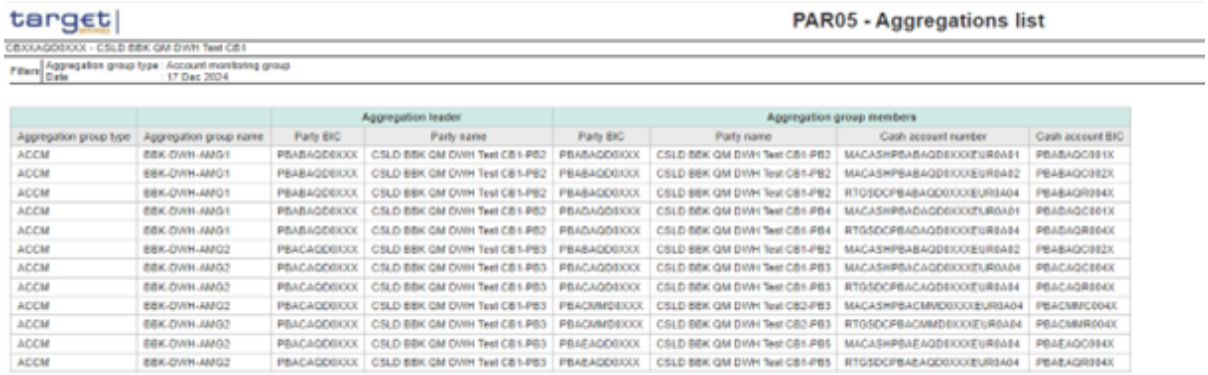
| **PAR05 –Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Aggregation group type | This field provides the code that determines whether the aggregation group is for a banking group, settlement bank account group, liquidity transfer group or an account monitoring group. |
| Aggregation group name | This field provides the name of the aggregation group that the user assigned |
| Depending on what was selected in the prompt screen, the following fields may be filled or empty. | |
| Aggregation Leader | |
| Party BIC | This field provides the BIC of the party that is a member of the banking group. |
| Party name | This field provides the name of the party that is a member of the banking group. |
| Aggregation group members | |
| Party BIC | This field provides the BIC of the party that is a member of the banking group. |
| Party name | This field provides the name of the party that is a member of the banking group. |

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| | |
|---|---|
| Cash account number | This field provides the number of the cash account that is a member of the liquidity transfer group or the account monitoring group. |
| Cash account BIC | This field provides the BIC of the cash account that is a member of the liquidity transfer group or the account monitoring group. |

**Table 99: PAR05 - Output description**

Screenshot – output screen

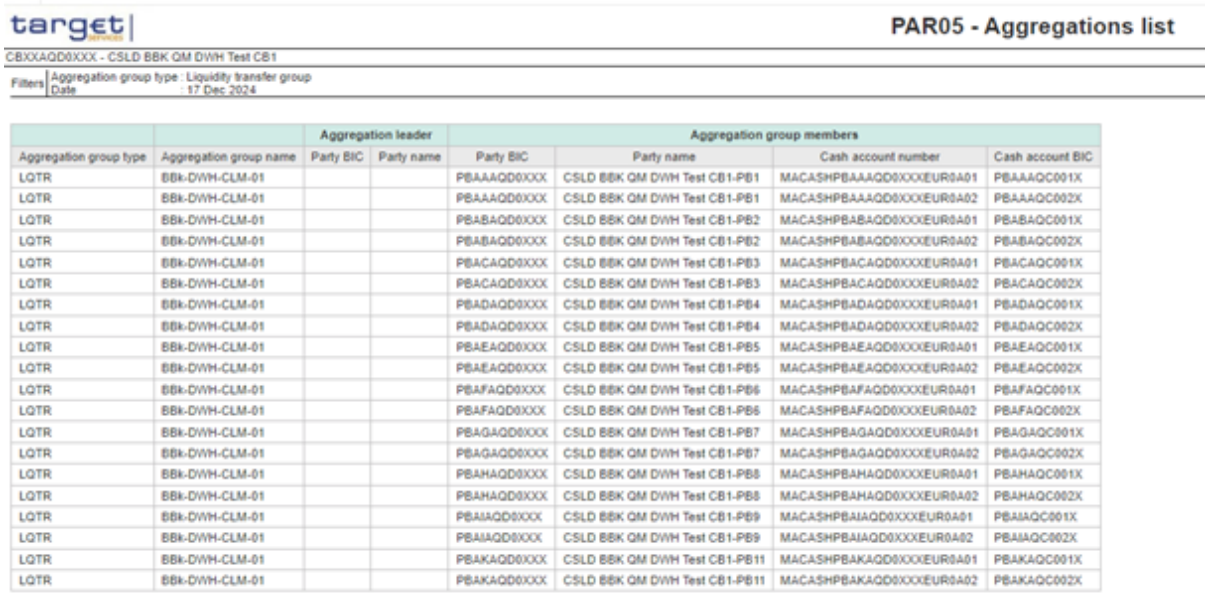

PAR05 - Aggregations list

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters: Aggregation group type : Account monitoring group
Date : 17 Dec 2024

| | | Aggregation leader | | Aggregation group members | | | |
|---|---|---|---|---|---|---|---|
| Aggregation group type | Aggregation group name | Party BIC | Party name | Party BIC | Party name | Cash account number | Cash account BIC |
| ACCM | BBK-DWH-AMG1 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | MACASHPBABAQD0XXXEUR0A01 | PBABAQC001X |
| ACCM | BBK-DWH-AMG1 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | MACASHPBABAQD0XXXEUR0A02 | PBABAQC002X |
| ACCM | BBK-DWH-AMG1 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | RTGSDCPBABAQD0XXXEUR0A04 | PBABAQR004X |
| ACCM | BBK-DWH-AMG1 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | MACASHPBADAQD0XXXEUR0A01 | PBADAQC001X |
| ACCM | BBK-DWH-AMG1 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | RTGSDCPBADAQD0XXXEUR0A04 | PBADAQR004X |
| ACCM | BBK-DWH-AMG2 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | MACASHPBABAQD0XXXEUR0A02 | PBABAQC002X |
| ACCM | BBK-DWH-AMG2 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | MACASHPBACAQD0XXXEUR0A04 | PBACAQC004X |
| ACCM | BBK-DWH-AMG2 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | RTGSDCPBACAQD0XXXEUR0A04 | PBACAQR004X |
| ACCM | BBK-DWH-AMG2 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | PBACMMD0XXX | CSLD BBK QM DWH Test CB2-PB3 | MACASHPBACMMD0XXXEUR0A04 | PBACMMC004X |
| ACCM | BBK-DWH-AMG2 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | PBACMMD0XXX | CSLD BBK QM DWH Test CB2-PB3 | RTGSDCPBACMMD0XXXEUR0A04 | PBACMMR004X |
| ACCM | BBK-DWH-AMG2 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | PBAEAQD0XXX | CSLD BBK QM DWH Test CB1-PB5 | MACASHPBAEAQD0XXXEUR0A04 | PBAEAQC004X |
| ACCM | BBK-DWH-AMG2 | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | PBAEAQD0XXX | CSLD BBK QM DWH Test CB1-PB5 | RTGSDCPBAEAQD0XXXEUR0A04 | PBAEAQR004X |

**Figure 314: PAR05 output (2) – Account Monitoring Group, Settlement Bank Account Group, All**


PAR05 - Aggregations list

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters: Aggregation group type : Liquidity transfer group
Date : 17 Dec 2024

| | | Aggregation leader | | Aggregation group members | | | |
|---|---|---|---|---|---|---|---|
| Aggregation group type | Aggregation group name | Party BIC | Party name | Party BIC | Party name | Cash account number | Cash account BIC |
| LQTR | BBk-DWH-CLM-01 | | | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | MACASHPBAAAQD0XXXEUR0A01 | PBAAAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBAAAQD0XXX | CSLD BBK QM DWH Test CB1-PB1 | MACASHPBAAAQD0XXXEUR0A02 | PBAAAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | MACASHPBABAQD0XXXEUR0A01 | PBABAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBABAQD0XXX | CSLD BBK QM DWH Test CB1-PB2 | MACASHPBABAQD0XXXEUR0A02 | PBABAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | MACASHPBACAQD0XXXEUR0A01 | PBACAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBACAQD0XXX | CSLD BBK QM DWH Test CB1-PB3 | MACASHPBACAQD0XXXEUR0A02 | PBACAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | MACASHPBADAQD0XXXEUR0A01 | PBADAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBADAQD0XXX | CSLD BBK QM DWH Test CB1-PB4 | MACASHPBADAQD0XXXEUR0A02 | PBADAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBAEAQD0XXX | CSLD BBK QM DWH Test CB1-PB5 | MACASHPBAEAQD0XXXEUR0A01 | PBAEAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBAEAQD0XXX | CSLD BBK QM DWH Test CB1-PB5 | MACASHPBAEAQD0XXXEUR0A02 | PBAEAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBAFAQD0XXX | CSLD BBK QM DWH Test CB1-PB6 | MACASHPBAFAQD0XXXEUR0A01 | PBAFAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBAFAQD0XXX | CSLD BBK QM DWH Test CB1-PB6 | MACASHPBAFAQD0XXXEUR0A02 | PBAFAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBAGAQD0XXX | CSLD BBK QM DWH Test CB1-PB7 | MACASHPBAGAQD0XXXEUR0A01 | PBAGAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBAGAQD0XXX | CSLD BBK QM DWH Test CB1-PB7 | MACASHPBAGAQD0XXXEUR0A02 | PBAGAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBAHAQD0XXX | CSLD BBK QM DWH Test CB1-PB8 | MACASHPBAHAQD0XXXEUR0A01 | PBAHAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBAHAQD0XXX | CSLD BBK QM DWH Test CB1-PB8 | MACASHPBAHAQD0XXXEUR0A02 | PBAHAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBAIAQD0XXX | CSLD BBK QM DWH Test CB1-PB9 | MACASHPBAIAQD0XXXEUR0A01 | PBAIAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBAIAQD0XXX | CSLD BBK QM DWH Test CB1-PB9 | MACASHPBAIAQD0XXXEUR0A02 | PBAIAQC002X |
| LQTR | BBk-DWH-CLM-01 | | | PBAKAQD0XXX | CSLD BBK QM DWH Test CB1-PB11 | MACASHPBAKAQD0XXXEUR0A01 | PBAKAQC001X |
| LQTR | BBk-DWH-CLM-01 | | | PBAKAQD0XXX | CSLD BBK QM DWH Test CB1-PB11 | MACASHPBAKAQD0XXXEUR0A02 | PBAKAQC002X |

**Figure 315: PAR05 output (3) – Liquidity Transfer Group**

## 5.11.6 PAR06 - Number of participants per CB

**Context of usage**

This report provides information on the number of participants per participation type according to RTGS Directory on a given date.

For each participation type in RTGS Directory, the number (total and per CB) of participants on the given date is reported. In addition, the number of unpublished RTGS DCAs belonging to payment banks and the number of Direct Participants (payment banks) having a different BIC8 is provided in the same manner. Furthermore, the report provides information on the number (total and per CB) of ancillary system parties (according to the party reference data attribute PARTY Type).

CBs can retrieve aggregated numbers (overall and per CB) for all CBs/system entities.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [PAR – Participation Reports] >> [PAR06]

**Screenshot – prompt**



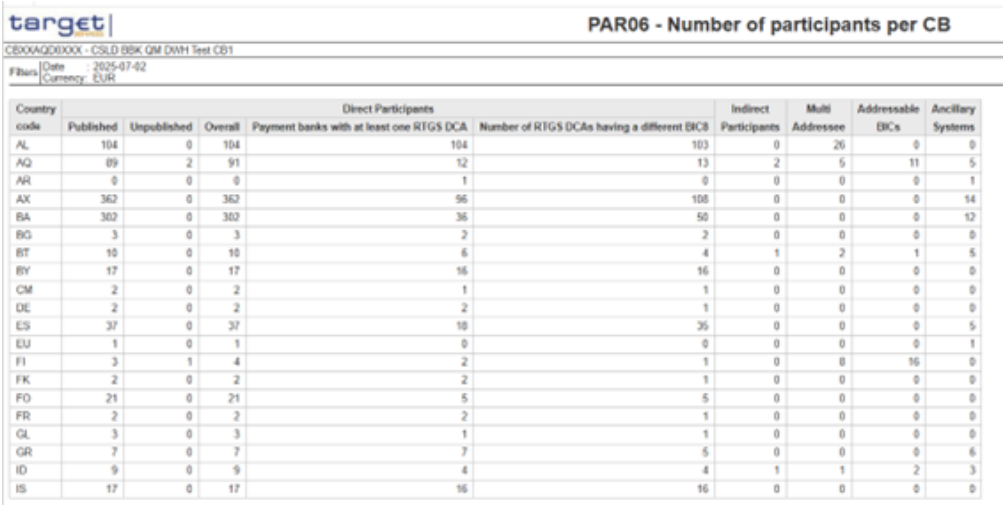

**Figure 316: PAR06 prompt**

**Prompt description**

| **PAR06 – Report description – prompt screen** | |
|---|---|
| **Field label** | **Description** |
| Date | You can select the date by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory |

**Table 100: PAR06 - Prompt description**

**Screenshot - output screen**



target

PAR06 - Number of participants per CB

CBXXAQDIXXX - CSLD BBK QM DWH Test CB1

Filters: Date : 2025-07-02
Currency: EUR

| Country code | Direct Participants | | | | | Indirect Participants | Multi Addressee | Addressable BICs | Ancillary Systems |
|---|---|---|---|---|---|---|---|---|---|
| | Published | Unpublished | Overall | Payment banks with at least one RTGS DCA | Number of RTGS DCAs having a different BIC8 | | | | |
| AL | 104 | 0 | 104 | 104 | 103 | 0 | 26 | 0 | 0 |
| AQ | 89 | 2 | 91 | 12 | 13 | 2 | 5 | 11 | 5 |
| AR | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| AX | 362 | 0 | 362 | 96 | 108 | 0 | 0 | 0 | 14 |
| BA | 302 | 0 | 302 | 36 | 50 | 0 | 0 | 0 | 12 |
| BG | 3 | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 0 |
| BT | 10 | 0 | 10 | 6 | 4 | 1 | 2 | 1 | 5 |
| BY | 17 | 0 | 17 | 16 | 16 | 0 | 0 | 0 | 0 |
| CM | 2 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| DE | 2 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 |
| ES | 37 | 0 | 37 | 10 | 36 | 0 | 0 | 0 | 5 |
| EU | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| FI | 3 | 1 | 4 | 2 | 1 | 0 | 0 | 16 | 0 |
| FK | 2 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 |
| FO | 21 | 0 | 21 | 5 | 5 | 0 | 0 | 0 | 0 |
| FR | 2 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 |
| GL | 3 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 |
| GR | 7 | 0 | 7 | 7 | 5 | 0 | 0 | 0 | 6 |
| ID | 9 | 0 | 9 | 4 | 4 | 1 | 1 | 2 | 3 |
| IS | 17 | 0 | 17 | 16 | 16 | 0 | 0 | 0 | 0 |

**Figure 317: PAR06 output**

## Output description

| **PAR06 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Country code | ISO country code |
| Direct participants | |
| Published | Number of published RTGS Account BICs according to the RTGS Directory. |
| Unpublished | Number of unpublished RTGS Account BICs according to the RTGS Directory. |
| Overall | Number of published + unpublished RTGS Account BICs |
| Payment banks with at least one RTGS DCA | Distinct number of payment banks having at least one RTGS DCA |
| Number of RTGS DCAs having a different BIC8 | Distinct number of RTGS DCA Account BICs for each CB on BIC8-Level (without the last 3 positions of BIC11)<br>Every BIC needs to have 11 characters, but in this column all accounts are summed up, that have the same first 8 characters in their account BIC (the trailing three are disregarded) |
| Indirect participants | Number of Indirect Participants |
| Multi addressee | Number of all types of Multi addressees |
| Addressable BICs | Number of all types of Addressable BICs |

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| | |
|---|---|
| Ancillary systems | Number of parties with party type = ancillary system |
| Overall - Total | Sums for each of the columns |

**Table 101: PAR06 - Output description**

# 5.12 Standing facilities reports (STF)

## 5.12.1 STF01 - Standing facility information

**Context of usage**

This report provides daily information on the use of standing facilities within a given data range. In addition to the party BIC/name, entities are reported with their respective MFI code. The report provides information on payment banks with access to monetary policy operations and is split in two parts: Marginal lending and overnight deposit.

For each facility and day the set-up amount, the refund amount and the interest amount is reported. For the marginal lending facility, the reported amounts include both, the use of marginal lending on request and the use of automated marginal lending.

CBs can retrieve information on the use of standing facilities of those parties belonging to their system entity.

Note: After the launch of Eurosystem Collateral Management System (ECMS) this report will only provide information on the use of the overnight deposit facility as major parts of the marginal lending facility will be no more handled by CLM, but by ECMS. Further information can be found in CLM UDFS chapters “Marginal lending on request” and “Automatic marginal lending”.

This report can be used by CB and PB users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [STF – Standing Facilities Reports] >> [STF01]

**Screenshot – prompt**

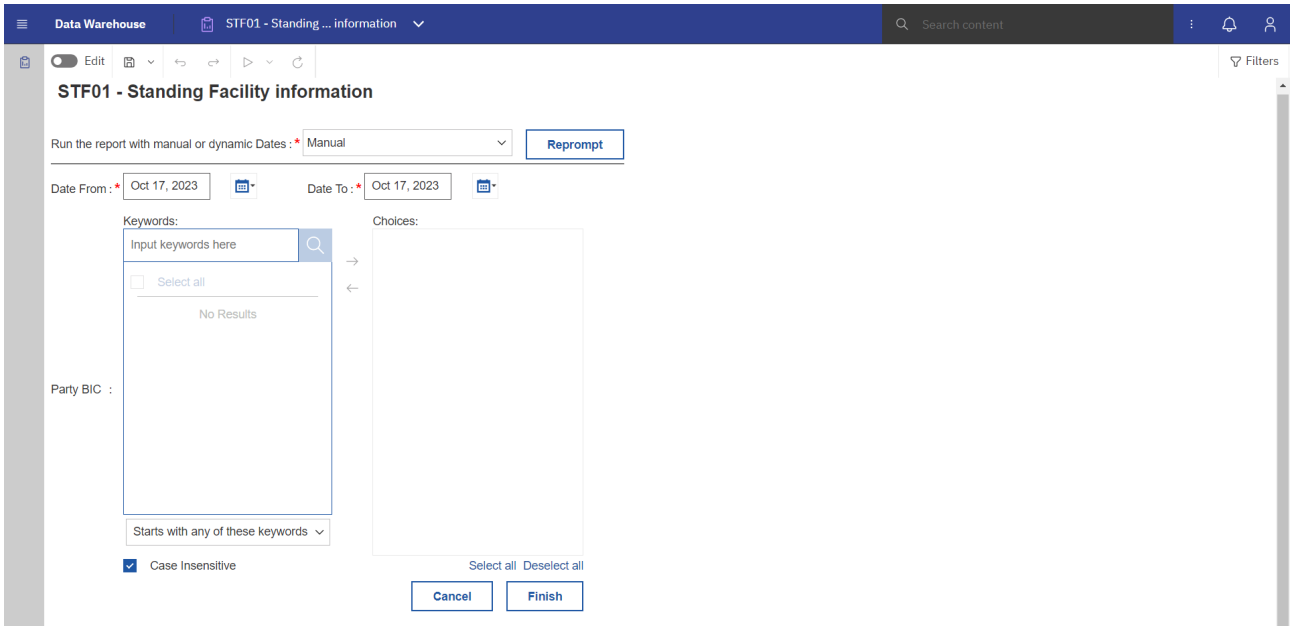



**Figure 318: STF01 prompt - Manual**

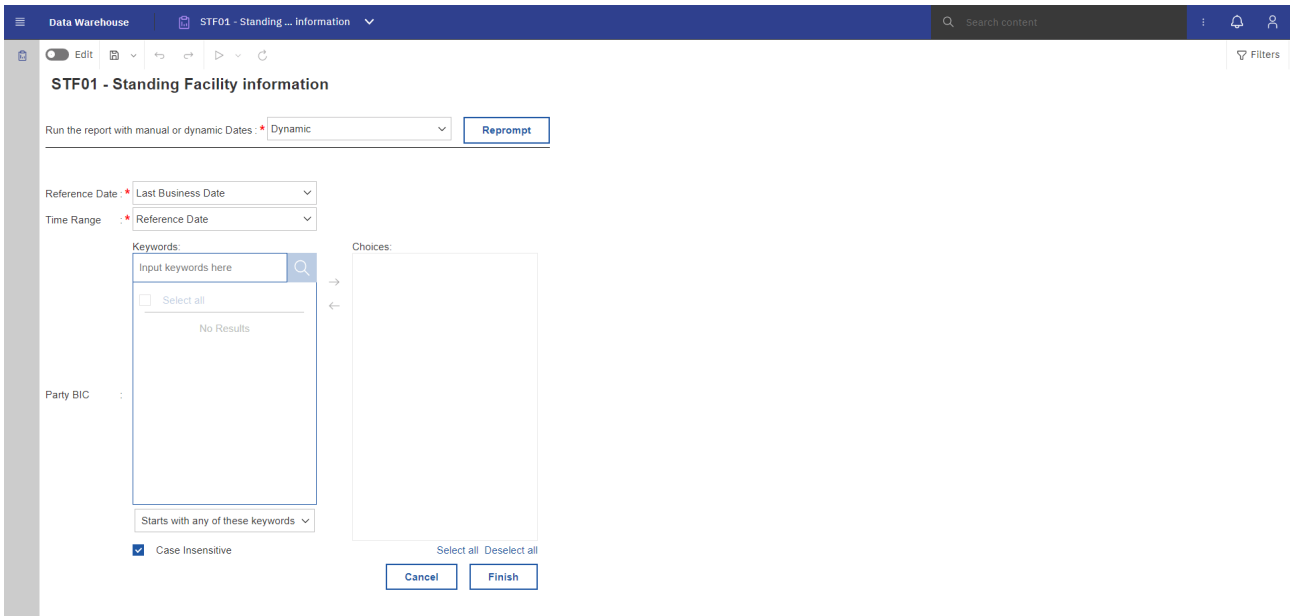



**Figure 319: STF01 prompt - Dynamic**

## Prompt description

| STF01 – Report description –prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |

| | |
|---|---|
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report result, the current day cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this search and select prompt to search for the party BIC or short name. One, several or all parties can be selected.<br>This field is optional. |

**Table 102: STF01 - Prompt description - Manual**

| **STF01 – Report description –prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |
| Party BIC | You can use this search and select prompt to search for the party BIC or short name. One, several or all parties can be selected.<br>This field is optional. |

**Table 103: STF01 - Prompt description - Dynamic**

## Screenshot - output screen

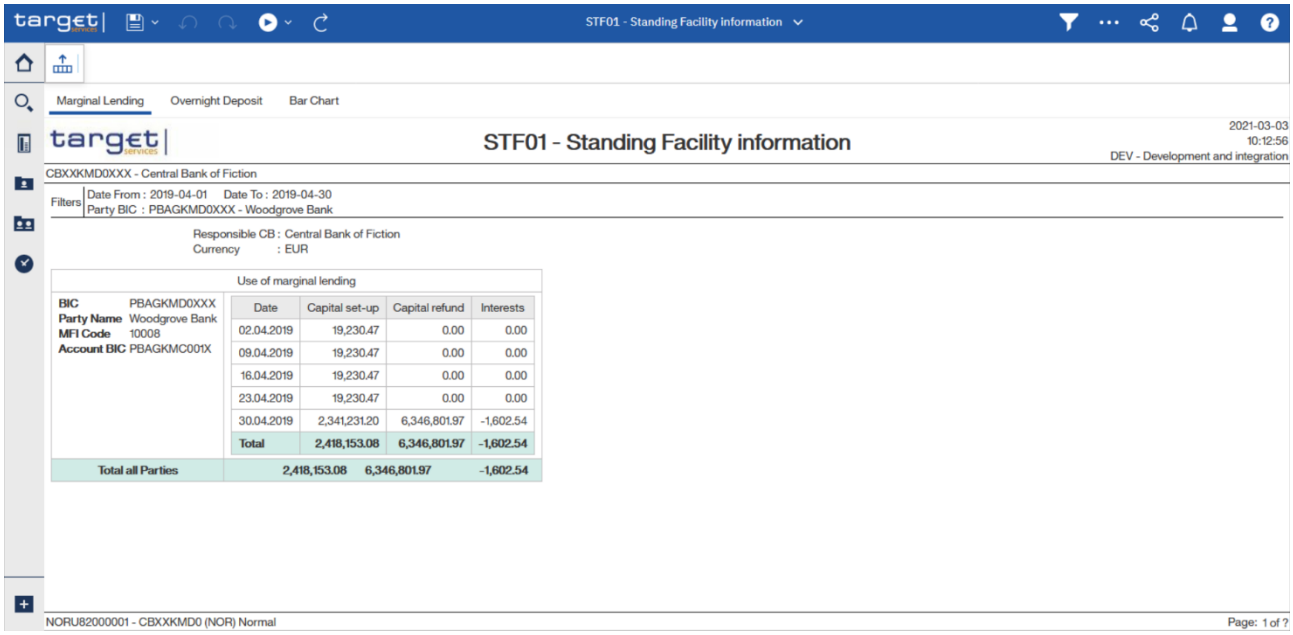



**Figure 320: STF01 output (1)**

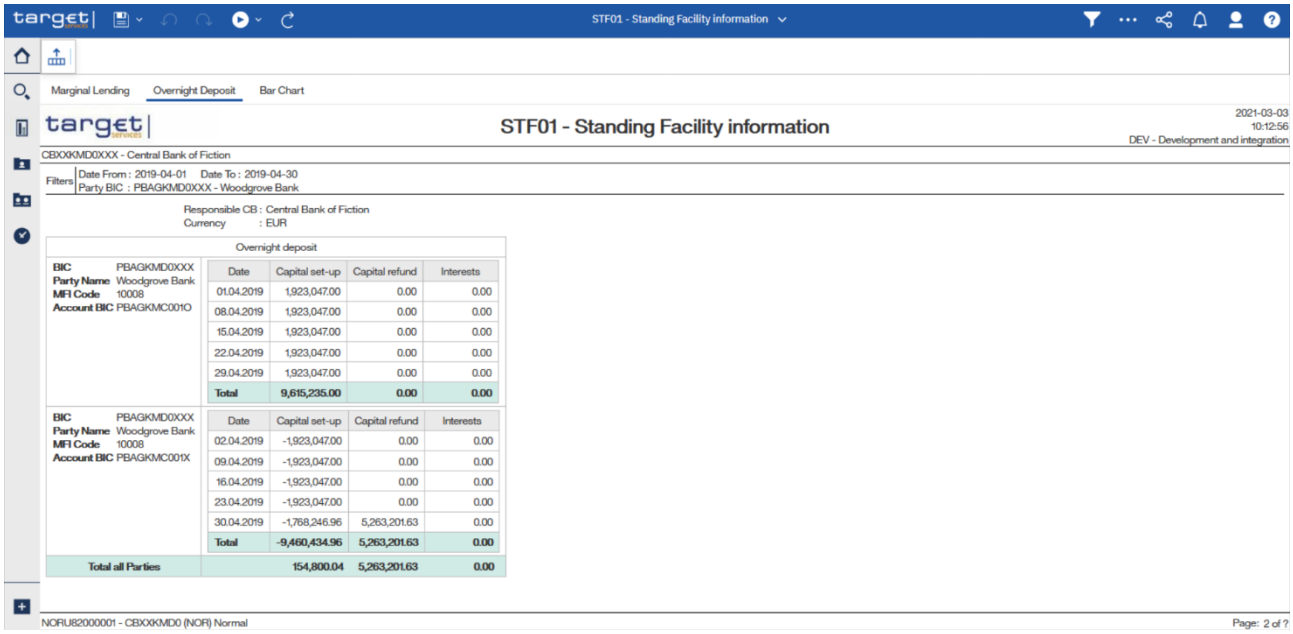



**Figure 321: STF01 output (2)**

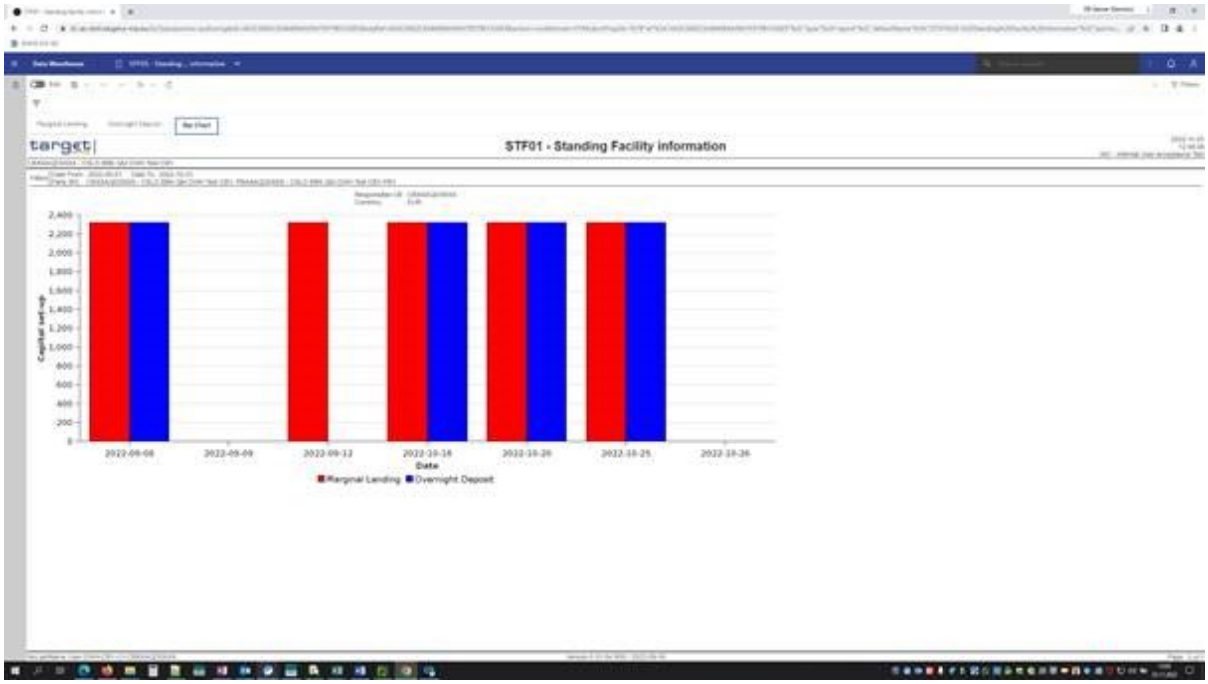



**Figure 322: STF01 output (3)**

## Output description

| **STF01 – Report description – output screen – table use of marginal lending** | |
|---|---|
| **Field label** | **Description** |
| The table contains the following details for each selected party (sorted by party BIC): | |
| BIC | BIC of the party holding the default MCA |
| Party name | Short name of the party holding the default MCA |
| Account BIC | Account BIC of the default MCA |
| MFI Code | MFI code of the party holding the default MCA |
| Date | Date of the chosen Date range in the search prompt. The following details will be repeated for each business day (sorted by date). |
| Capital set-up | Total value of liquidity granted to the party minus the on-demand reverse operation between default MCA of the party and its dedicated ML account.<br>This value considers automatic and on-demand marginal lending. |
| Capital refund | Total value of liquidity reimbursed by the party on a daily basis. |
| Interest | Total value of interests paid by the party. |

| | |
|---|---|
| | In case of multiple marginal lending operations, automatic and on request, for the same CLM account holder, the interest is calculated on the basis of the aggregated marginal lending amount by CLM. |
| “Total” per party for<br>capital set-up<br>capital refund<br>interests | For all business days for each party |
| “Total all Parties” for<br>capital set-up<br>capital refund<br>interests | For all business days and all parties |

**Table 104: STF01 - Output description - Table use of marginal lending**

| **STF01 – Report description – output screen – table overnight deposit** | |
|---|---|
| **Field label** | **Description** |
| The table contains the following details for each selected party (sorted by party BIC) | |
| BIC | BIC of the party holding the default MCA |
| Party name | Short name of the party holding the default MCA |
| Account BIC | Account BIC of the default MCA |
| MFI Code | MFI code of the party holding the default MCA |
| Date | Date of the chosen date range in the search prompt. The following details will be repeated for each business day (sorted by date). |
| Capital set-up | The overnight deposit capital set-up amount.<br>This amount equals the (positive) end of day balance on the dedicated overnight deposit account (owned by the responsible CB) per default MCA holder.<br>The balance is the result of liquidity transfers of a party to its dedicated overnight deposit account minus possible overnight deposit reverse transactions on a given business day. |
| Capital refund | Total value of liquidity reimbursed to the party on a daily basis. |
| Interest | Amount of overnight deposit interests received by the party on a daily basis.<br>Note:<br>Depending on the interest rate for overnight deposit in CRDM, interest amounts are displayed positive (positive interest rate) or negative (negative interest rate). |

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| | |
|---|---|
| Total per party for capital set-up capital refund<br>interests | For all business days for each party |
| Total all Parties for<br>capital set-up capital refund<br>interests | For all business days and all parties |

**Table 105: STF01 - Output description - Table overnight deposit**

| **STF01 – Report description – output screen - bar chart for marginal lending and overnight deposit** | |
|---|---|
| **Field label** | **Description** |
| x-axis: Date<br>y-axis:<br>- The amount of marginal lending capital set-up | Bar chart:<br>Each business day within the given date range has an entry on the x-axis-<br>The amounts of each facility for each business day is calculated as:<br>sum over all capital set-ups (per facility) of all parties (for each business day)<br>Marginal lending and overnight deposit are separately shown for each business day and are differentiated by separate colours. |

**Table 106: STF01 - Output description - Bar chart for marginal lending and overnight deposit**

# 5.13 Statement reports (STA)

## 5.13.1 STA01 - Statement of account (single account)

**Context of usage**

This report provides information on all cash transfers debited or credited on an account in CLM or RTGS for a given date (range).

For each business day the account balance at the beginning and the end of the day is reported. In between, the report lists all cash transfers in the order of their CLM/RTGS settlement timestamp. For each cash transfer an ID, the currency of the instructed amount, the party BIC of the counterparty, the service/ component where the account of the counterparty is located and the debit/credit settlement value are provided. Each cash transfer is reported with the respective account balance after its settlement.

For each business day the volume and value (separate for debits and credits) of cash transfers are calculated.

CBs can retrieve account statement information for those parties belonging to their system entity.

Note: No information is provided for RTGS sub-accounts and accounts in the Contingency Services.

This report can be used by CB, PB and AS users.

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## Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [STA – Statement Reports] >> [STA01]

## Screenshot – prompt

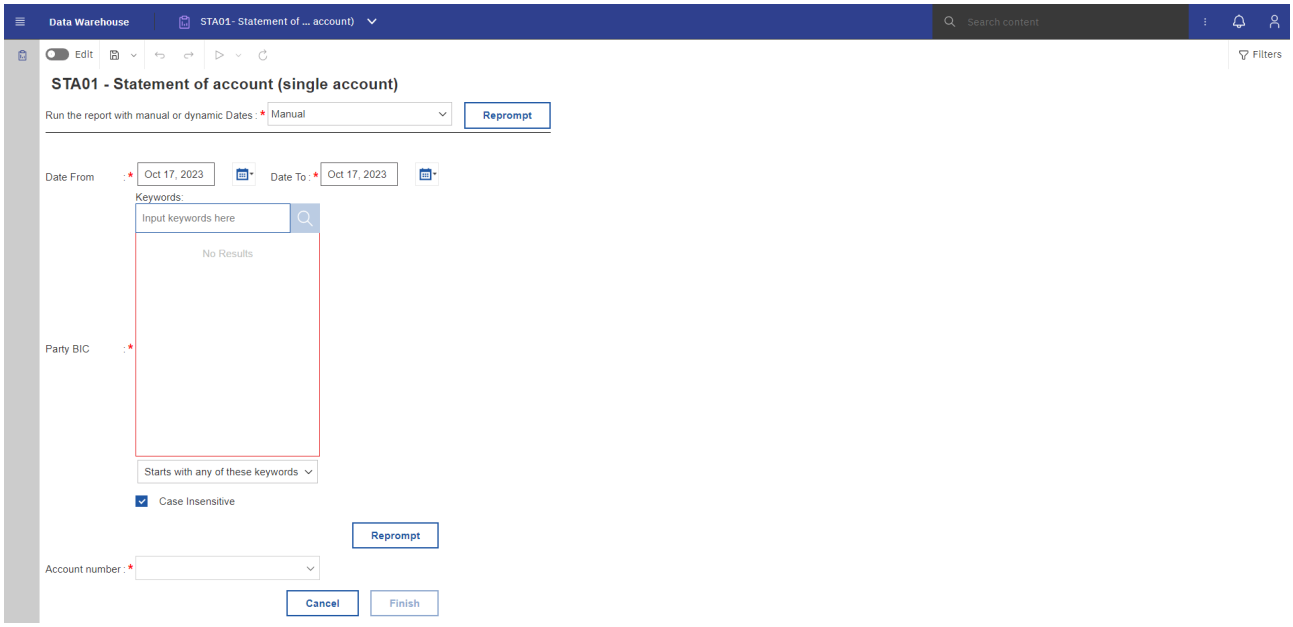



**Figure 323: STA01 prompt – Manual**

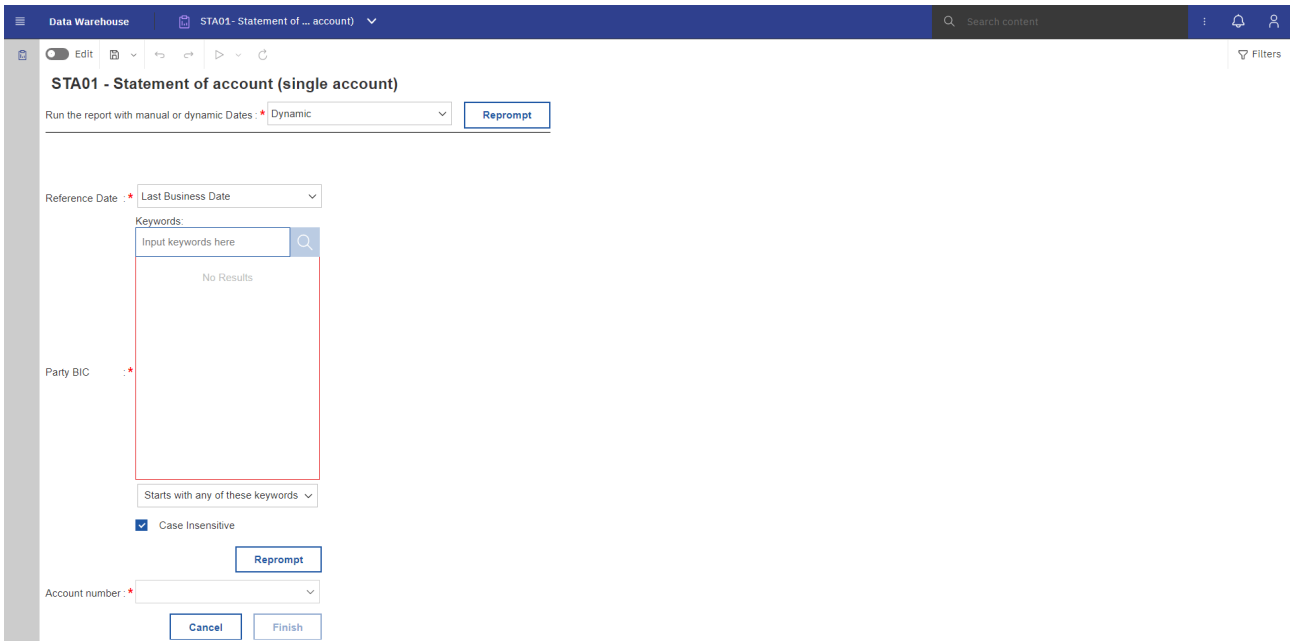



**Figure 324: STA01 prompt - Dynamic**

## Prompt description

| STA01 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this search and select prompt to be able to search for the party BIC or short name.<br>This field is mandatory. |
| Account number | You can choose here the cash account number for which the account statement should be generated.<br>Only account numbers under the selected party BIC can be selected (either CLM or RTGS accounts).<br>RTGS sub-accounts and accounts in the contingency services are excluded in this report.<br>This field is mandatory. |

**Table 107: STA01 - Prompt description - Manual**

| STA01 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Party BIC | You can use this search and select prompt to be able to search for the party BIC or short name.<br>This field is mandatory. |
| Account number | You can choose here the cash account number for which the account statement should be generated. |

| | |
|---|---|
| | Only account numbers under the selected party BIC can be selected (either CLM or RTGS accounts).<br>RTGS sub-accounts and accounts in the contingency services are excluded in this report.<br>This field is mandatory. |

**Table 108: STA01 - Prompt description – Dynamic**

## Screenshot - output screen

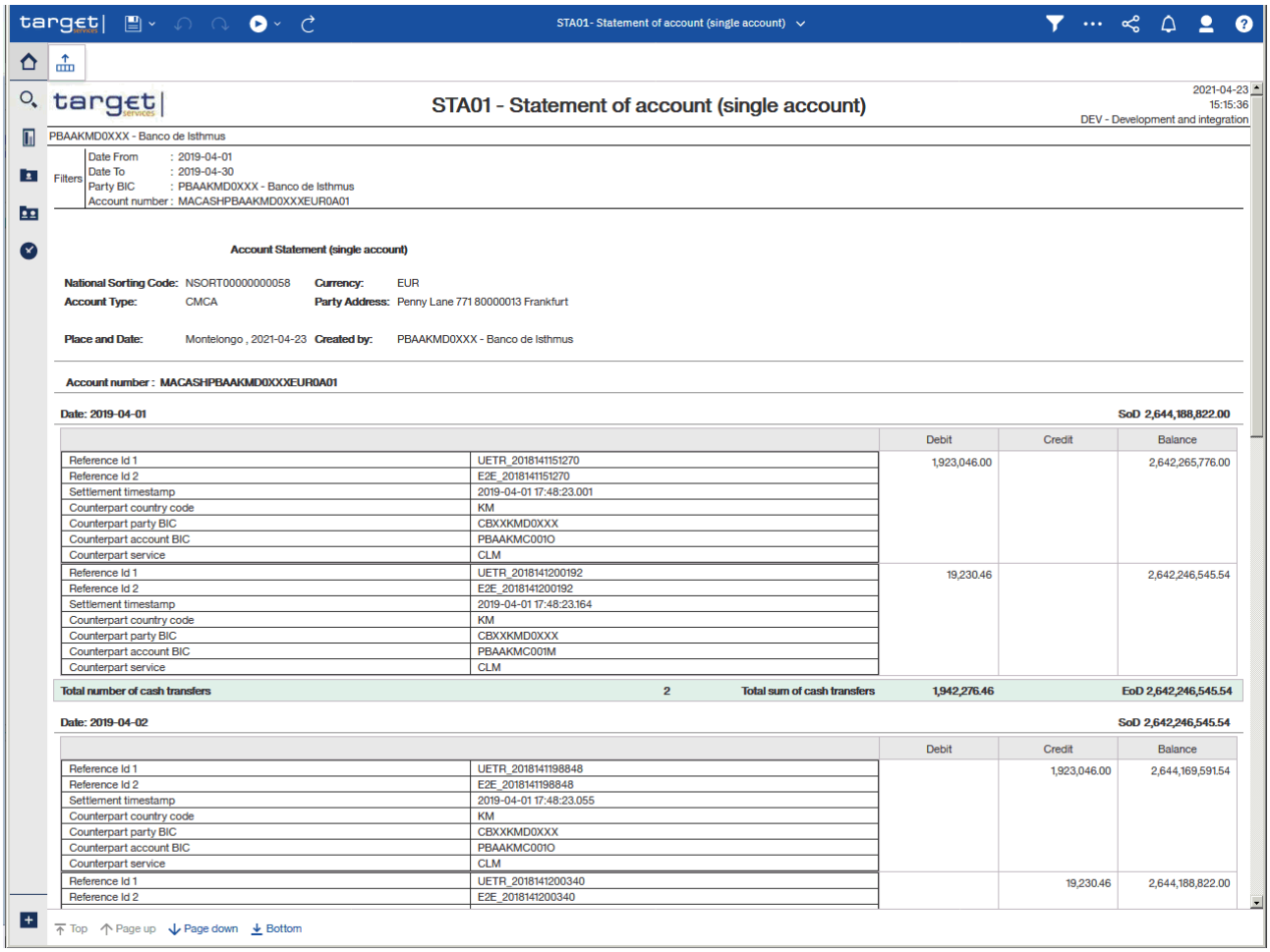



**Figure 325: STA01 output (1)**

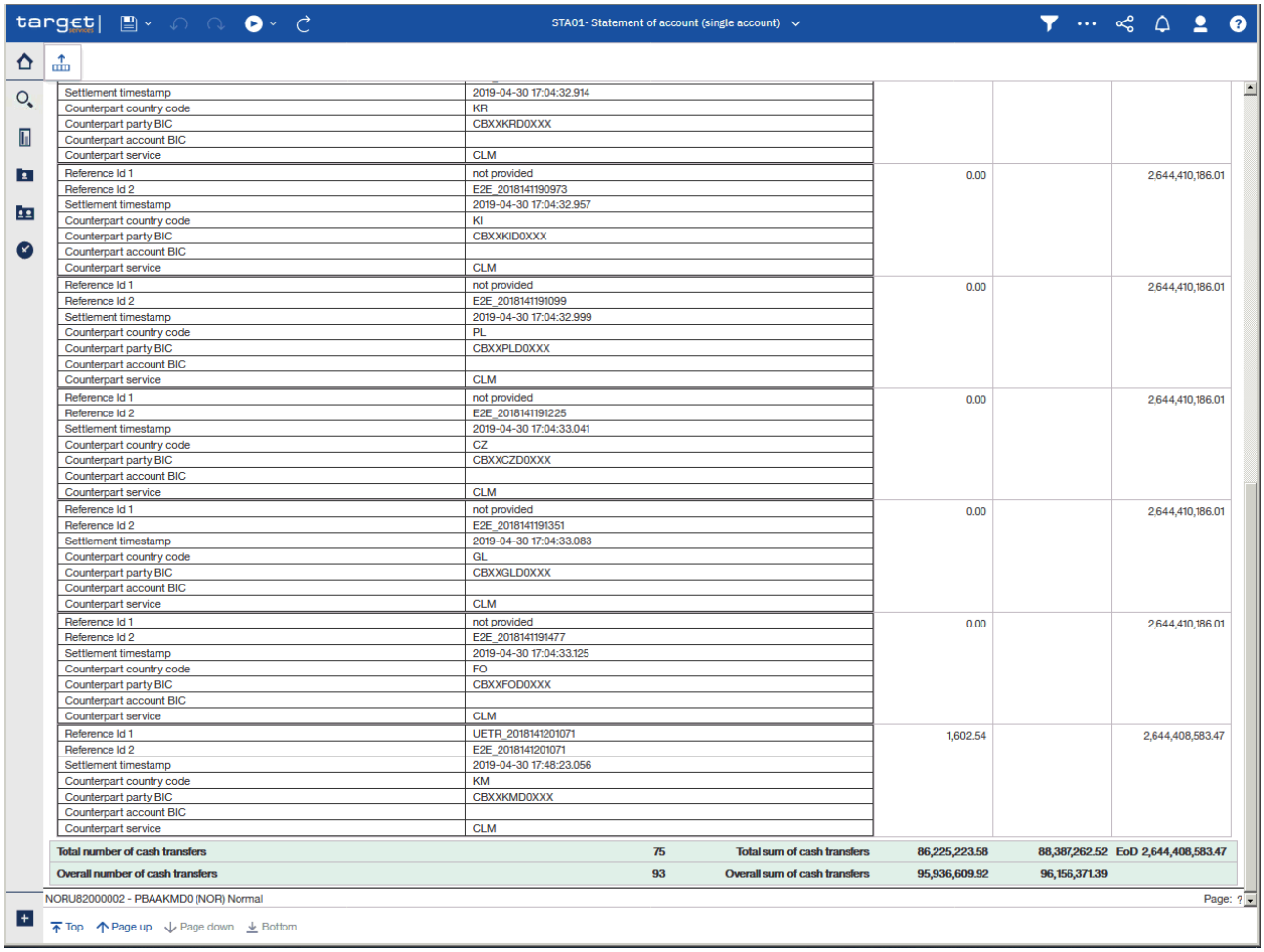



**Figure 326: STA01 output (2)**

## Output description

| STA01 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Party Address | Street, house number, postal code and city of the selected Party |
| National Sorting Code | NSC of the selected Party |
| Currency | Currency of the selected Party |
| “Place and date” + City + date | City of the user’s party + current date. Used as place and date of creation of the report |
| “Created by” + Party BIC + Party short name | The user’s party. Used for information about the executor of the report in line “created by” |
| Account Type | Account type of selected account number |

| | |
|---|---|
| Date | Business day |
| Balance of account (SoD) | Balance of account (SoD) is always shown, even if there is no cash transfer during the business day. |
| Reference 1 | Depending on the message that caused the cash transfer, the following reference type is listed:<br>- camt.050: Message ID (from BAH)<br>- pacs.004: original UETR<br>- pacs.008: UETR<br>- pacs.009: UETR<br>- pacs.010: UETR<br>- pain.998 ASTI: None[1]<br>If no reference can be found, this field is left empty. |
| Reference 2 | End To End ID<br>If no reference can be found, this field is left empty. For AS cash transfer orders delivered via pain.998 ASTI message, the End-to-End ID is never available.[2] |
| Settlement timestamp | Settlement timestamp of the cash transfer |
| Counterpart country code | ISO country code of the counterpart |
| Counterpart party BIC | Party BIC of the counterpart |
| Counterpart account BIC | Account BIC of the counterpart; If no account BIC exists (e.g. for marginal lending accounts), the value “-“ is filled in |
| Counterpart service | Service of the counterpart |
| Debit | Debited value of the cash transfer- If the settlement was debited |
| Credit | Credited value of the cash transfer - If the settlement was credited |
| Balance | Calculated balance of the account after the settlement of the cash transfer |
| Volume (number of cash transfers) | Volume of cash transfers during the business day |
| Value (sum of cash transfers debited) | Value of debited cash transfers during the business day |
| Value (sum of cash transfers credited) | Value of credited cash transfers during the business day |
| Balance of Account (EoD) | Balance of the account at the end of the business days |

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| | |
|---|---|
| | Balance of account (EoD) is always shown, even if there is no cash transfer during the business day. |
| Total Volume (number of cash transfers) | Total volume over all business days within the selected date range |
| Total Value (of all cash transfers) debited | Total value of debited cash transfers over all business days within the selected date range |
| Total Value (of all cash transfers) credited | Total value of credited cash transfers over all business days within the selected date range |
| Balance | EoD balance at the end of the date range |

**Table 109: STA01 - Output description**

## Footnotes

1 For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.
2 For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.

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## 5.13.2 STA02 - Statement of account (co-managed accounts)

**Context of usage**

This report provides information on all cash transfers debited or credited on one or several co-managed MCAs in CLM for a given date (range).

Apart from that, the content of the report is congruent to STA01.

Co-managers can retrieve account statement information on single or all of their co-managed accounts.

CBs can retrieve account statement for those parties belonging to their system entity.

This report can be used by CB and PB users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [STA – Statement Reports] >> [STA02]

**Screenshot – prompt**

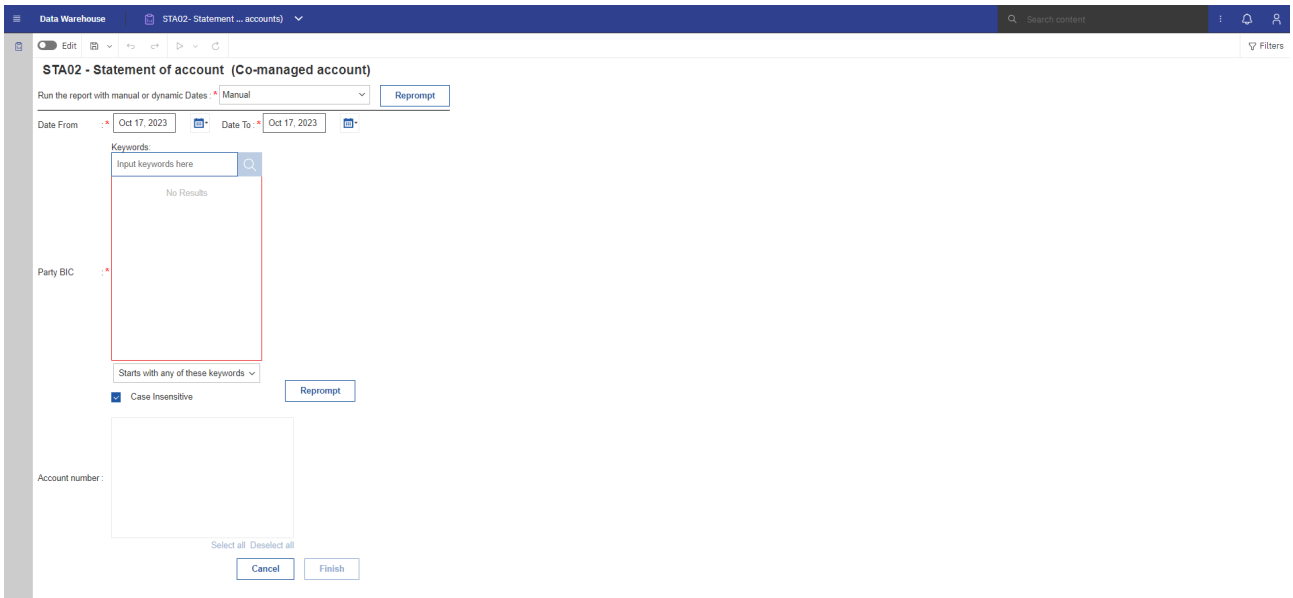



**Figure 327: STA02 prompt - Manual**

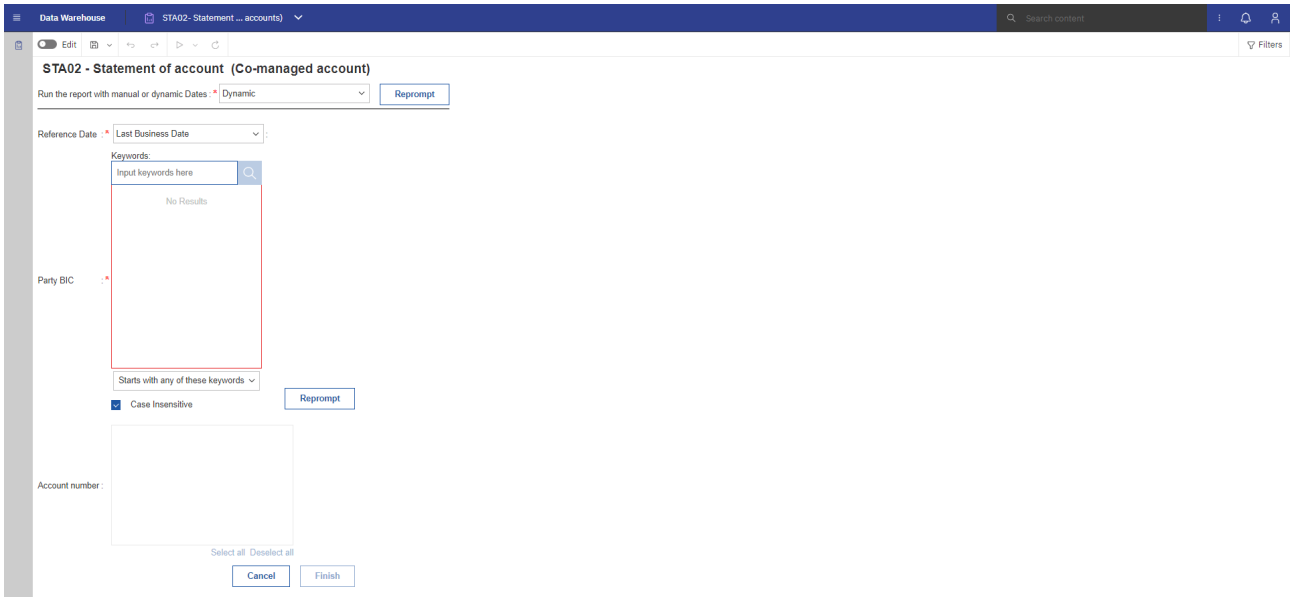



**Figure 328: STA02 prompt - Dynamic**

## Prompt description

| **STA02 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory |
| Party BIC | You can use this search and select prompt to search for the party BIC or short name<br>This field is mandatory |
| Account number | You can select here the cash account number for which the account statement should be generated.<br>Only MCA numbers under the selected party BIC can be selected<br>This field is optional. |

**Table 110: STA02 - Prompt description - Manual**

| **STA02 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |

| | |
|---|---|
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Party BIC | You can use this search and select prompt to search for the party BIC or short name<br>This field is mandatory. |
| Account number | You can select here the cash account number for which the account statement should be generated.<br>Only MCA numbers under the selected party BIC can be selected<br>This field is optional. |

**Table 111: STA02 - Prompt description – Dynamic**

## Screenshot - output screen

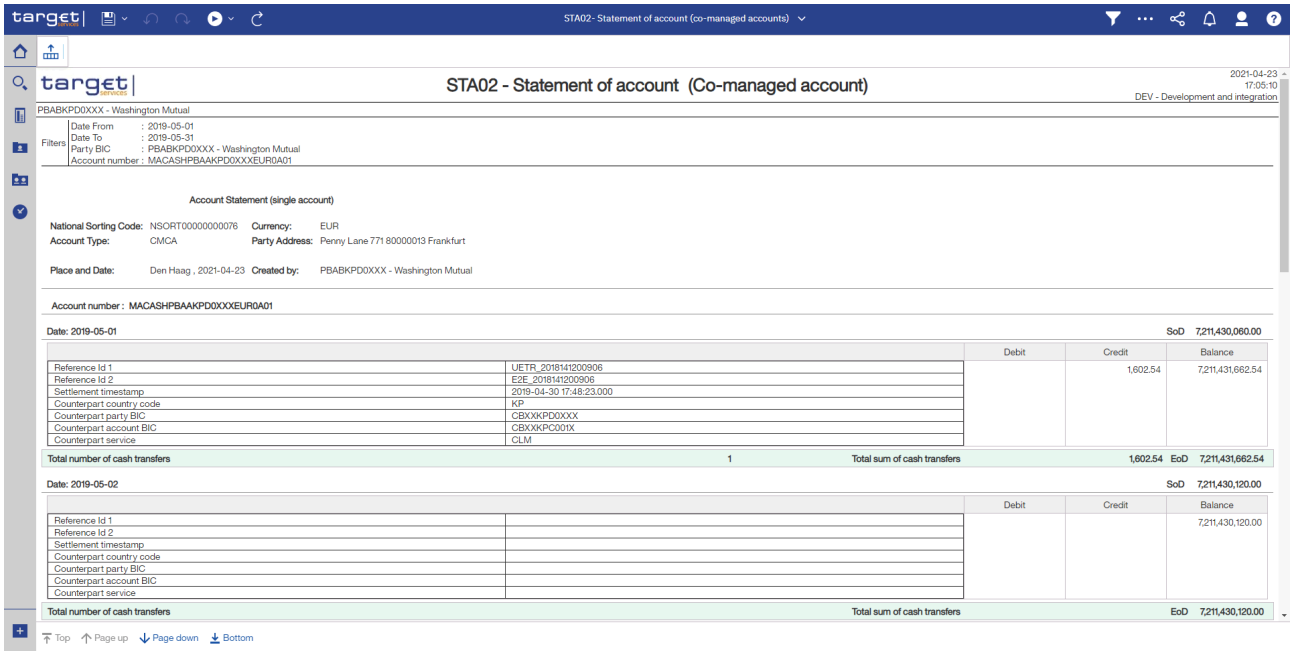



**Figure 329: STA02 output (1)**

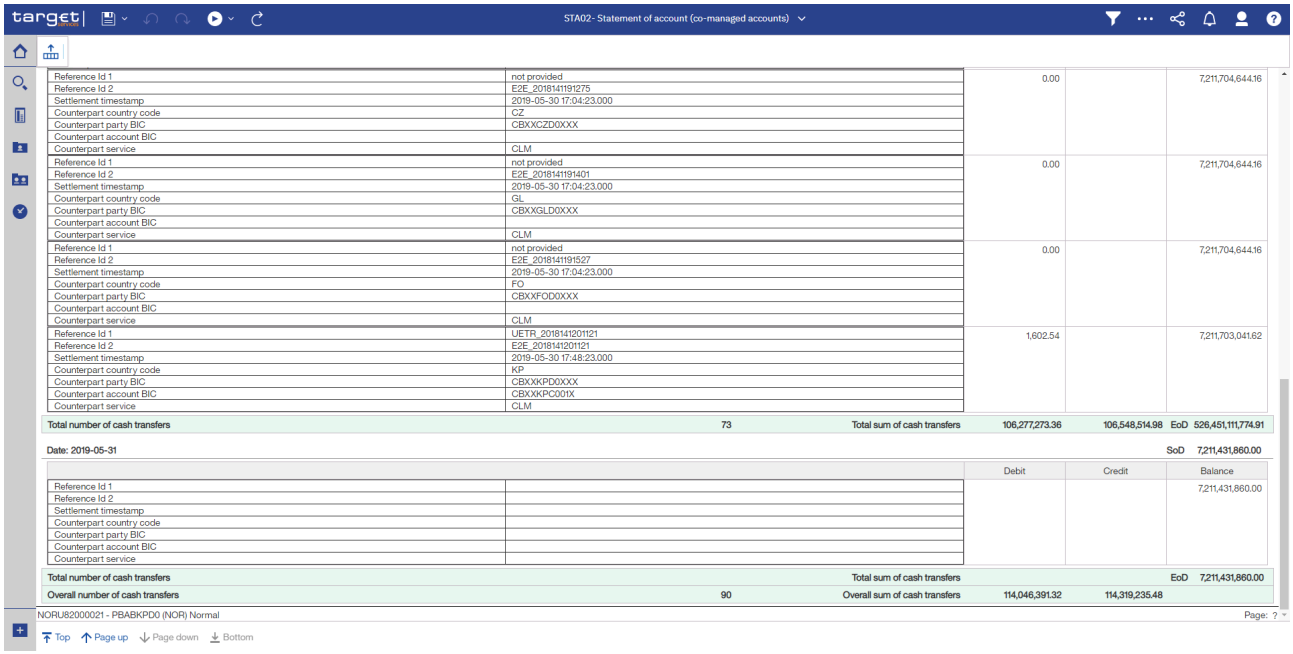



**Figure 330: STA02 output (2)**

## Output description

| **STA02 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Party Address | Street, house number, postal code and city of the selected co-manager |
| National Sorting Code | National sorting code of the selected Party |
| Currency | ISO currency code of the selected party |
| “Place and date” + City + date | City of the user’s party + current date. Used as place and date of creation of the report |
| “Created by” + Party BIC + Party short name | The user’s party. Used for information about the executor of the report in line “created by” |
| Account number | The following details are repeated per co-managed MCA (sorted by account number). |
| Date | Date of the Business day<br>The following details are repeated per business day in the date range (sorted by date). |
| Balance of account (SoD) | Balance of account (SoD) is always shown, even if there is no cash transfer during the business day. |

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| | |
|---|---|
| Reference Id 1 | Depending on the message that caused the cash transfer, the following reference type is listed:<br>- camt.050: Message ID (from BAH)<br>- pacs.009: UETR<br>- pacs.010: UETR<br>- pain.998 ASTI: none[1]<br>If no reference can be found, this field is left empty. |
| Reference Id 2 | End To End ID<br>If no reference can be found, this field is left empty. For AS cash transfer orders delivered via pain.998 ASTI message, the End-to-End ID is never available.[2] |
| Settlement timestamp | Settlement timestamp of the cash transfer |
| Counterparty country code | ISO country code of the counterparty |
| Counterparty party BIC | Party BIC of the counterparty |
| Counterparty account BIC | Account BIC of the counterparty; If no account BIC exists (e.g. for marginal lending accounts), the value “-“ is filled in |
| Counterparty service | Service of the counterparty |
| Debit | Debited value of the cash transfer- If the settlement was debited |
| Credit | Credited value of the cash transfer - If the settlement was credited |
| Balance | Calculated balance of the account after the settlement of the cash transfer |
| Balance EoD | Balance of the account at the end of the business days<br>Balance of account (EoD) is always shown, even if there is no cash transfer during the business day. |
| Total number of cash transfers | Total volume of cash transfers per business day |
| Total sum of cash transfers | Total value of cash transfers per business day |
| Overall number of cash transfers | Total volume over all business days within the selected date range |
| Overall sum of cash transfers | Total value over all business days within the selected date range |
| Balance EoD | EoD balance at the end of the date range |

**Table 112: STA02 - Output description**

For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.

Footnotes

1 For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.
2 For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.

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# 5.14 Transaction reports (TRN)

## 5.14.1 TRN01 - Cash transfer (order) search and details

**Context of usage**

The report TRN01 offers the possibility to search for cash transfer orders/cash transfers using a set of (optional) filter criteria (including e.g. the UETR). For the resulting cash transfers/cash transfer orders it is possible to display the respective message and settlement details.

For CBs access to those cash transfers/cash transfer orders is granted where one of its parties is involved on the credit and/or the debit side.

From a prompt of the selection criteria screen the user either opts for the selection by reference or selection by business related criteria.

This report can be used by CB, PB and AS users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN01]

**Screenshot – prompt**

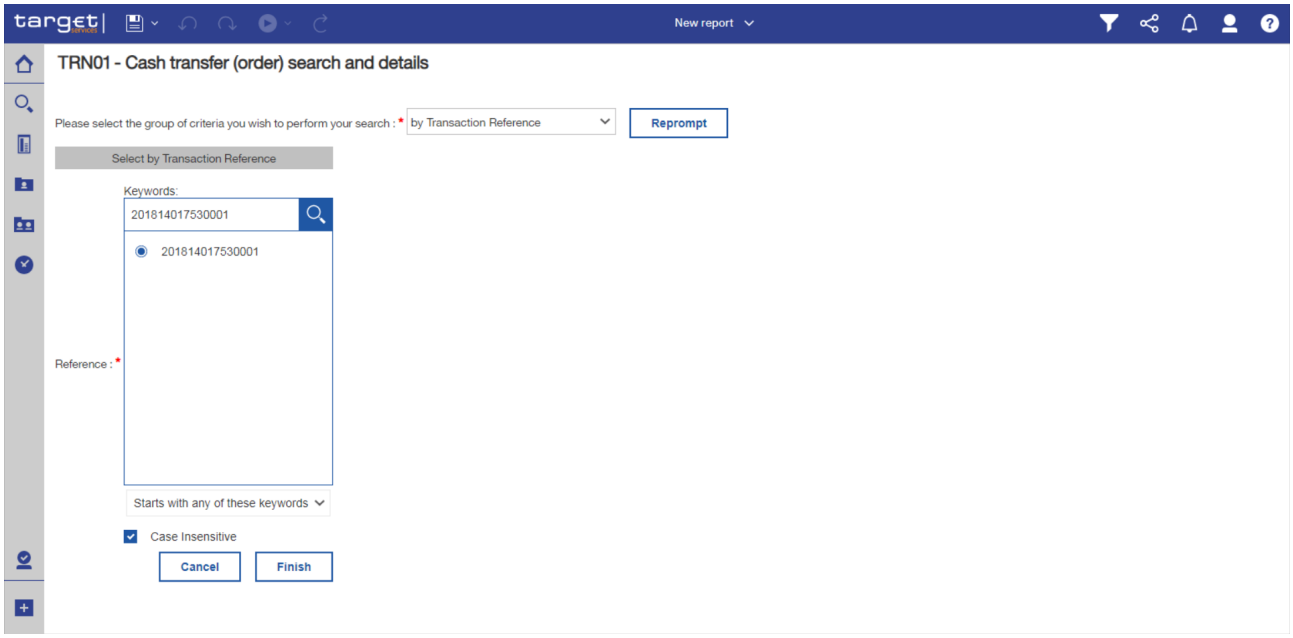



**Figure 331: TRN01 prompt (1) – by transaction reference**

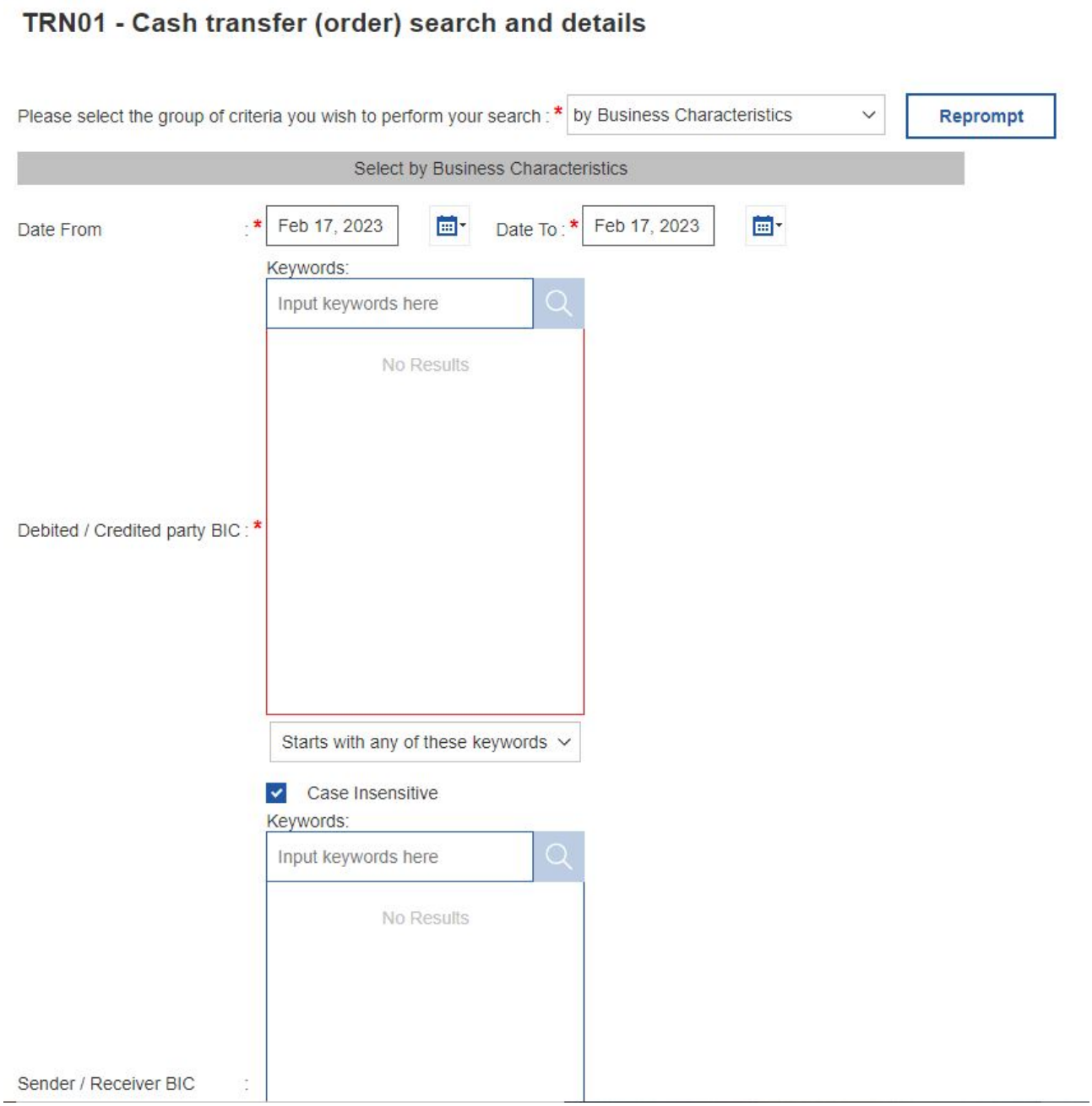



**Figure 332: TRN01 prompt (2) - by business characteristics**

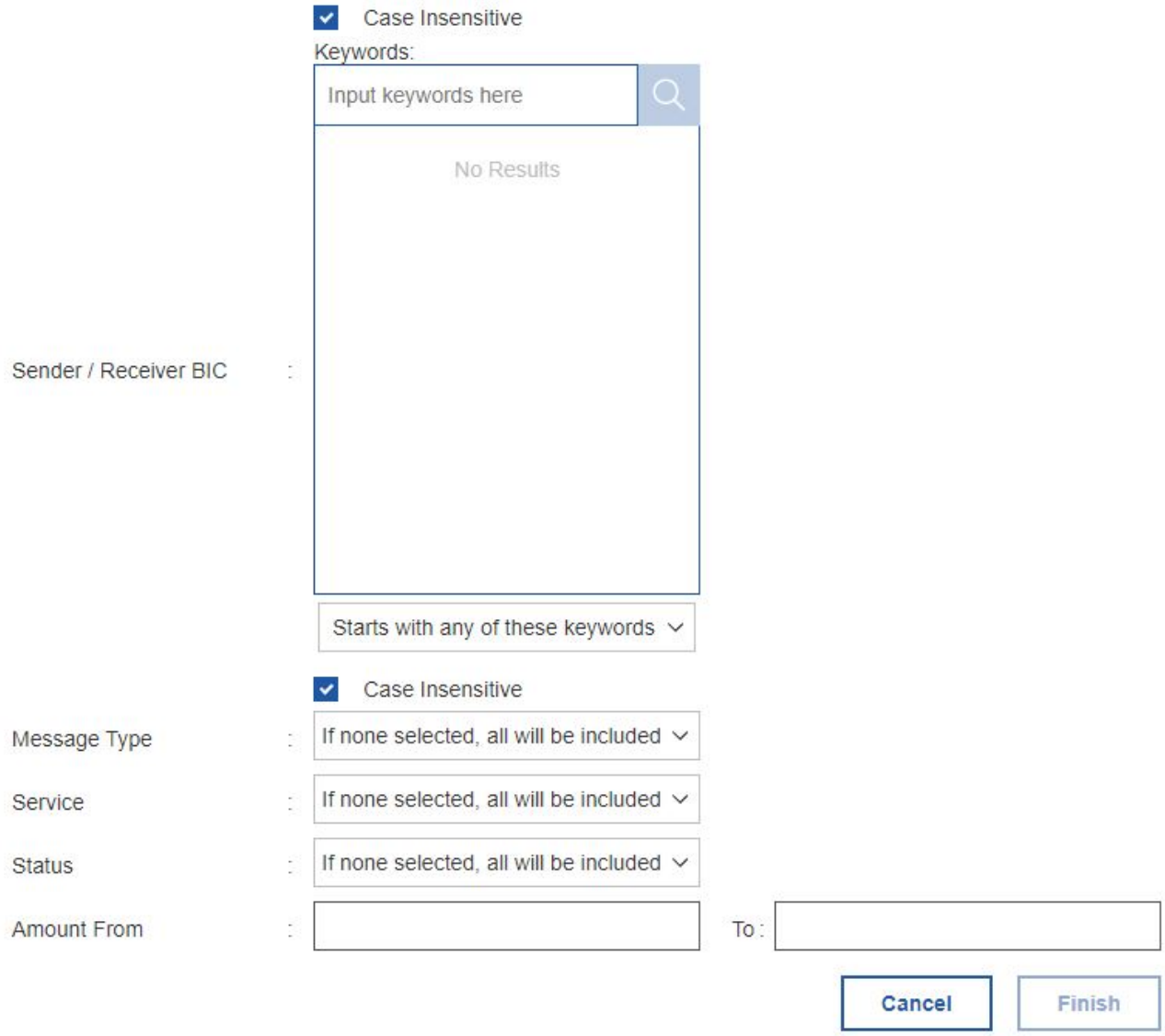



**Figure 333: TRN01 prompt (3) - by business characteristics**

## Prompt description

The TRN01 offers the possibility to execute the report in two ways. The first way is "**Select by Transaction Reference**" the other way is "**Search by Business Characteristics**".

Having chosen a selection by transaction reference, you may enter any reference such as message ID, a UETR, an End-To-End ID, an instruction ID etc.

Having chosen a selection by business related criteria, you can enter business related search criteria.

When the DWH finds at least one transaction, a view on all transactions, which match the entered business criteria is opened. Here you can choose a certain transaction by double click for a view on its detailed data.

**TRN01 – Report description – prompt screen**

| Field label | Description |
|---|---|
| Search by transaction reference | |
| Reference | You can use this field to search with any reference that can be contained in a cash transfer.<br>This field is mandatory. |
| Search by Business Characteristics | |
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, current day cannot be selected.<br>This field is mandatory. |
| Debited / Credited party BIC | You can use this drop-down field to select the BIC of the debited resp. credited party.<br>The possible values are built from parties within the user's data scope.<br>This field is mandatory. |
| Sender/receiver BIC | You can use this drop-down field to select the BIC of the sending resp. receiving party<br>The possible values are built from parties within the user's data scope.<br>This field is optional. |
| Message Type | You can use this drop-down field to restrict the result list to one message type.<br>Possible Values:<br>- camt.050<br>- pacs.004<br>- pacs.008<br>- pacs.009<br>- pacs.010<br>- pain.998 (ASTI)<br>This field is optional. |
| Service Type | This drop-down field offers the possibility to select between the services<br>CLM or |

| | |
|---|---|
| | RTGS.<br>This field is optional. |
| Status | You can use this drop-down field to restrict the result list to one status.<br>Possible Values:<br>- Partially settled<br>- Revoked<br>- Reversed<br>- Rejected<br>- Settled<br>- Warehoused<br>This field is optional. |
| Amount from/to | You can use these fields to search for a certain amount or amount range.<br>This field is optional. |

**Table 113: TRN01 - Prompt description**

## Screenshot - output screen

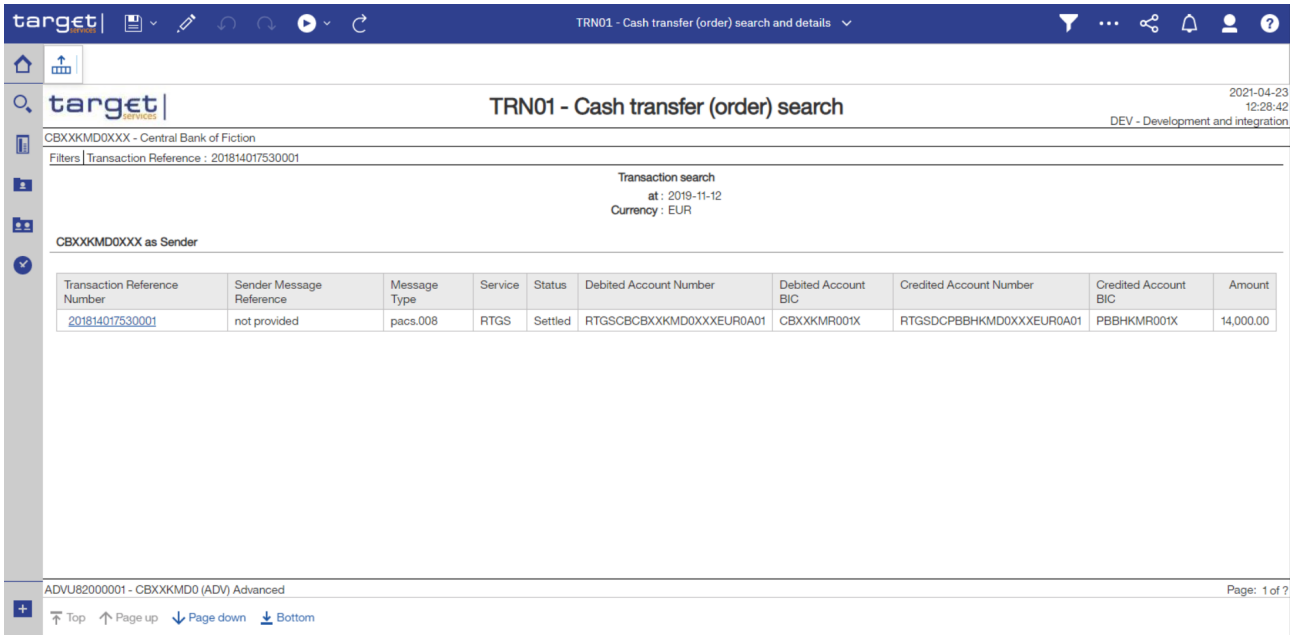



**Figure 334: TRN01 output (1) – by transaction reference**

target services

**TRN01 - Cash transfer (order) details**

2023-01-09 15:35:03
IAC - Internal User Acceptance Tes

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

| Transaction Detail | |
|---|---|
| **Business Date** | 2022-12-07 |
| Entry Timestamp | 2022-12-07 03:37:40 PM |
| UETR | Not provided |
| End-to-End Reference | E120715323874199 |
| Instruction Identification | Not provided |
| Transaction Identification | 6713600 |
| Clearing System Reference | Not provided |
| Settlement Reference | Not provided |
| Sender Message Reference | B120715323874199 |
| Message ID | B120715323874199 |
| Transaction Reference Number | 6713600 |
| Message Type | camt.050 |
| Sender BIC | PBADAQD0XXX |
| Sender Name | CSLD BBK QM DWH Test CB1-PB4 |
| Receiver BIC | TRGTXETTCLM |
| Receiver Name | |
| Debited Account BIC | PBADAQC001X |
| Debited Account Number | MACASHPBADAQD0XXXEUR0A01 |
| Type of Debited Account | Main Cash Account |
| Credited Account BIC | CBXXAQC001X |
| Credited Account Number | CLMCBKCBXXAQC001XEUR0001 |
| Type of Credited Account | CLM CB Account |
| Amount of Payment | 90,500 |
| Currency of Payment | EUR |
| Settlement Status Description | settled |
| Reversed Payment Indicator | Not Reversed |
| Timestamp of Effective Settlement | 2022-12-07 03:37:40 PM |
| Error Code | |
| Error Description | Not provided |
| Message in XML-Format | <AppHdr xmlns="urn:iso:std:iso:20022:tech:xsd:head.001.001.01" xmlns:n1="http://www.w3.org/2000/09/xmldsig#" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:iso:std:iso:20022:tech:xsd:head.001.001.01 CLM_head_001_001_01_20200504.xsd"><Fr><FIId><FinInstnId><BICFI>PBADAQD0XXX</BICFI><ClrSysMmbId><ClrSysId><Prtry>CLM</Prtry></ClrSysId><MmbId>SUR1-pbadaqd0xxx</MmbId></ClrSysMmbId></FinInstnId></FIId></Fr><To><FIId><FinInstnId><BICFI>TRGTXETTCLM</BICFI></FinInstnId></FIId></To><BizMsgIdr>B120715323874199</BizMsgIdr><MsgDefIdr>camt.050.001.05</MsgDefIdr><CreDt>2022-12-07T15:37:08Z</CreDt></AppHdr><Document xmlns="urn:iso:std:iso:20022:tech:xsd:camt.050.001.05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:iso:std:iso:20022:tech:xsd:camt.050.001.05 CLM_camt_050_001_05_20210624.xsd"><LqdtyCdtTrf><MsgHdr><MsgId>NONREF</MsgId></MsgHdr><LqdtyCdtTrf><LqdtyTrfId><EndToEndId>E120715323874199</EndToEndId><LqdtyTrfId><CdtrAcct><Id> |

**Figure 335: TRN01 output (2) – details**

target services

**TRN01 - Cash transfer (order) search**

2023-02-17 10:54:00
IAC - Internal User Acceptance Test

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date From : 2023-02-01 Date To : 2023-02-01
Debited / Credited party BIC : PBAAAQD0XXX CSLD BBK QM DWH Test CB1-PB1

**Transaction search**
**at : Feb 1, 2023**
**Currency : EUR**

**PBAAAQD0XXX as Debited Party**

| Transaction Reference Number | Sender Message Reference | Message Type | Service Type | Sender BIC | Receiver BIC | Status | Debited Account Number | Debited Account BIC | Credited Account Number | Credited Account BIC | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7401859.00 | B020109586254605 | pacs.010 | CLM | CBXXAQD0XXX | TRGTXETTCLM | Revoked | MACASHPBAAAQD0XXXEUR0A01 | PBAAAQC001X | CLMCBKCBXXAQC001XEUR0001 | CBXXAQC001X | 1,778.77 |
| 7401866.00 | B020110080346501 | camt.050 | CLM | PBAAAQD0XXX | TRGTXETTCLM | Revoked | MACASHPBAAAQD0XXXEUR0A01 | PBAAAQC001X | CLMCBKCBXXAQC001XEUR0001 | CBXXAQC001X | 845.56 |
| 7401878.00 | B020110402104505 | pacs.010 | CLM | CBXXAQD0XXX | TRGTXETTCLM | Revoked | MACASHPBAAAQD0XXXEUR0A01 | PBAAAQC001X | CLMCBKCBXXAQC001XEUR0001 | CBXXAQC001X | 778.77 |
| 7401890.00 | B020111294453001 | camt.050 | CLM | PBAAAQD0XXX | TRGTXETTCLM | Revoked | MACASHPBAAAQD0XXXEUR0A01 | PBAAAQC001X | CLMCBKCBXXAQC001XEUR0001 | CBXXAQC001X | 845.56 |
| 7401894.00 | B020111373662306 | pacs.010 | CLM | CBXXAQD0XXX | TRGTXETTCLM | Revoked | MACASHPBAAAQD0XXXEUR0A01 | PBAAAQC001X | CLMCBKCBXXAQC001XEUR0001 | CBXXAQC001X | 788.12 |

500360710 - NoLastName User-DWH-CB1-U1-CBXXAQD0XXX Version 0.01-13 R00 / 2023-01-30 Page: 1 of ?

**Figure 336: TRN01 output (3) - by business characteristics**



TRN01 - Cash transfer (order) details

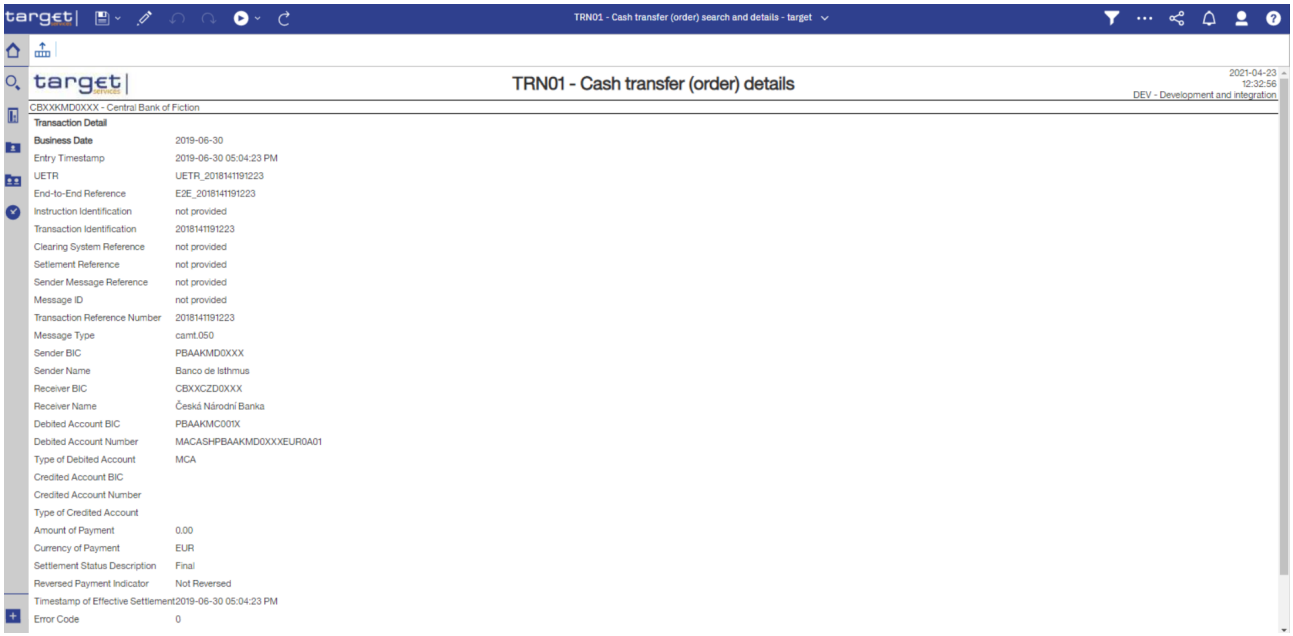
2023-02-17 10:55:29
IAC - Internal User Acceptance Test

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

**Transaction Detail**

| | |
|---|---|
| **Business Date** | 2023-02-01 |
| Entry Timestamp | 2023-02-01 10:00:39.363 |
| UETR | 466b59d9-4f73-4211-8cd5-c3b621db2971 |
| End-to-End Reference | E020109595254605 |
| Instruction Identification | TC13 |
| Transaction Identification | 7401859 |
| Clearing System Reference | Not provided |
| Settlement Reference | Not provided |
| Sender Message Reference | B020109595254605 |
| Message ID | B020109595254605 |
| Transaction Reference Number | 7401859 |
| Message Type | pacs.010 |
| Sender BIC | CBXXAQD0XXX |
| Sender Name | CSLD BBK QM DWH Test CB1 |
| Receiver BIC | TRGTXETTCLM |
| Receiver Name | |
| Debited Party BIC | PBAAAQD0XXX |
| Debited Party Name | CSLD BBK QM DWH Test CB1-PB1 |
| Credited Party BIC | CBXXAQD0XXX |
| Credited Party Name | CSLD BBK QM DWH Test CB1 |
| Debited Account BIC | PBAAAQC001X |
| Debited Account Number | MACASHPBAAAQD0XXXEUR0A01 |
| Type of Debited Account | Main Cash Account |
| Credited Account BIC | CBXXAQC001X |
| Credited Account Number | CLMCBKCBXXAQC001XEUR0001 |
| Type of Credited Account | CLM CB Account |
| Amount of Payment | 1,778.77 |
| Currency of Payment | EUR |

**Figure 337: TRN01 output (4) – details**



TRN01 - Cash transfer (order) search and details - target

TRN01 - Cash transfer (order) details

2021-04-23 12:32:56
DEV - Development and integration

CBXXKMD0XXX - Central Bank of Fiction

**Transaction Detail**

| | |
|---|---|
| **Business Date** | 2019-06-30 |
| Entry Timestamp | 2019-06-30 05:04:23 PM |
| UETR | UETR_2018141191223 |
| End-to-End Reference | E2E_2018141191223 |
| Instruction Identification | not provided |
| Transaction Identification | 2018141191223 |
| Clearing System Reference | not provided |
| Settlement Reference | not provided |
| Sender Message Reference | not provided |
| Message ID | not provided |
| Transaction Reference Number | 2018141191223 |
| Message Type | camt.050 |
| Sender BIC | PBAAKMD0XXX |
| Sender Name | Banco de Isthmus |
| Receiver BIC | CBXXCZD0XXX |
| Receiver Name | Česká Národní Banka |
| Debited Account BIC | PBAAKMC001X |
| Debited Account Number | MACASHPBAAKMD0XXXEUR0A01 |
| Type of Debited Account | MCA |
| Credited Account BIC | |
| Credited Account Number | |
| Type of Credited Account | |
| Amount of Payment | 0.00 |
| Currency of Payment | EUR |
| Settlement Status Description | Final |
| Reversed Payment Indicator | Not Reversed |
| Timestamp of Effective Settlement | 2019-06-30 05:04:23 PM |
| Error Code | 0 |

**Figure 338: TRN01 output (5) - details**

## Output description

| **TRN01 – Report description – output screen – list of cash transfers** | |
|---|---|
| **Field label** | **Description** |
| Date | Above the table you can see the date of the transaction search “at” |
| Currency | Above the table you can see the currency of the transaction |

| | |
|---|---|
| One table for “**Debited party BIC**” and one table for “**Credited party BIC**”. In each table every cash transfer order is listed with following data (sorted by transaction reference number): | |
| Transaction Reference Number | Transaction reference; technical identifier of the transfer. |
| Sender Message Reference | Identification of the message, which is delivered by the sender. |
| Message Type | Message type<br>Possible values:<br>- camt.050<br>- pacs.004<br>- pacs.008<br>- pacs.009<br>- pacs.010<br>- pain.998 (ASTI)<br>- Unknown |
| Service | Service for which the data is displayed.<br>Possible values:<br>- CLM<br>- RTGS |
| Sender BIC | BIC of the sending party (can be empty) |
| Receiver BIC | BIC of the receiving party (can be empty) |
| Status | Status of the cash transfer order.<br>Possible values:<br>- Warehoused<br>- Settled<br>- Reversed<br>- Revoked<br>- Rejected<br>- Cancelled |
| Debited Account Number | Debited account number<br>The account number is not displayed if it does not belong to data scope of the user. |
| Debited Account BIC | Debited account BIC |
| Credited Account Number | Credited account number |

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| | |
|---|---|
| | The account number is not displayed if it does not belong to data scope of the user. |
| Credited Account BIC | The BIC of the credited account |
| Amount | Amount of payment |

**Table 114: TRN01 - Output description**

| **TRN01 – Report description – details** | |
|---|---|
| **Field label** | **Description** |
| Entry Timestamp | Timestamp of entry in CLM/RTGS |
| UETR | Universal-End-to-End-Transaction Reference[1] |
| End-to-End Reference | End-to-End-Transaction Reference[2] |
| Instruction Identification | Instruction Identification[3] |
| Transaction Identification | Transaction Identification[4] |
| Clearing System Reference | Clearing System Reference[5] |
| Settlement Reference | Settlement Reference[6] |
| Sender Message Reference | Sender Message Reference[7] |
| Message ID | Message ID |
| Transaction Reference Number | Technical Identifier of the transfer |
| Message Type | Message Type<br>Possible values:<br>- camt.050<br>- pacs.004<br>- pacs.008<br>- pacs.009<br>- pacs.010<br>- pain.998 (ASTI) |
| Sender BIC | Party BIC of the sender (can be empty) |
| Sender Name | Sender Name (can be empty) |

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| | |
|---|---|
| Receiver BIC | Party BIC of the receiver (can be empty) |
| Receiver Name | Receiver name (can be empty) |
| Debited party BIC | Debited party BIC |
| Debited party name | Debited party name |
| Credited party BIC | Credited party BIC |
| Credited party name | Credited party name |
| Debited Account BIC | Debited account BIC |
| Debited Account Number | Debited account number<br>The account number is not displayed if it does not belong to data scope of the user. |
| Type of Debited Account | Type of debited account<br>Possible Values:<br>- RTGS DCA<br>- RTGS CB account<br>- AS guarantee funds account<br>- RTGS sub-account<br>- AS technical account<br>- CLM dedicated transit account in RTGS<br>- MCA<br>- CLM CB account<br>- Overnight deposit account<br>- Marginal lending account<br>- ECB mirror account<br>- CB ECB account<br>- Technical account for CONT settlement<br>- T2S dedicated transit account in CLM<br>- TIPS dedicated transit account in CLM<br>- RTGS dedicated transit account in CLM |
| Credited Account BIC | Credited account BIC |
| Credited Account Number | Credited account number<br>The account number is not displayed if it does not belong to data scope of the user. |

| | |
|---|---|
| Type of Credited Account | Type of credited account<br>Possible Values:<br>- RTGS DCA<br>- RTGS CB account<br>- AS guarantee funds account<br>- RTGS sub-account<br>- AS technical account<br>- CLM dedicated transit account in RTGS<br>- MCA<br>- CLM CB account<br>- Overnight deposit account<br>- Marginal lending account<br>- ECB mirror account<br>- CB ECB account<br>- Technical account for CONT settlement<br>- T2S dedicated transit account in CLM<br>- TIPS dedicated transit account in CLM<br>- RTGS dedicated transit account in CLM |
| Amount of Payment | Amount of payment |
| Currency of Payment | Currency of payment |
| Settlement Status Description | Status description.<br>- Warehoused<br>- Settled<br>- Rejected<br>- Reversed<br>- Revoked<br>- Cancelled |
| Reversed Payment Indicator | Reversed payment indicator.<br>Possible values:<br>- “not reversed”<br>- “is a reversed”<br>- “has been reversed” |
| Timestamp of Effective Settlement | Date and time of effective settlement |
| Error Code | Error code (if provided) |

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| Error Description | Error description (if provided) |
|---|---|
| Message in XML-Format | Original message in XML format. Only the payload of the message will be displayed, not the BAH. |

**Table 115: TRN01 - Report description - Details**

## Footnotes

1 For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions so the reference and identification fields are empty for those cash transfer orders. This is as well valid for the field labels “End-to-End Reference”, “Instruction Identification”, “Transaction Identification”, “Clearing System Reference”, “Settlement Reference” and “Sender Message Reference”.**{CR-187}**

2 ~~For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions so the reference and identification fields are empty for those cash transfer~~ orders.**{CR-187}**

3 ~~For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions so the reference and identification fields are empty for those cash transfer~~ orders.**{CR-187}**

4 ~~For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions so the reference and identification fields are empty for those cash transfer~~ orders.**{CR-187}**

5 ~~For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions so the reference and identification fields are empty for those cash transfer~~ orders.**{CR-187}**

6 ~~For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions so the reference and identification fields are empty for those cash transfer~~ orders.**{CR-187}**

7 ~~For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions so the reference and identification fields are empty for those cash transfer~~ orders.**{CR-187}**

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## 5.14.2 TRN02 - Monthly overview of domestic and cross-border payments

**Context of usage**

The report TRN02 provides information on the monthly volume and value of payments in RTGS differentiated by domestic and cross-border traffic. Separate tables for interbank and customer payments are displayed. For CBs information on all of its payment banks the figures are shown sorted by name and BIC.

This report can be used by CB and PB users

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN02]

**Screenshot – prompt**

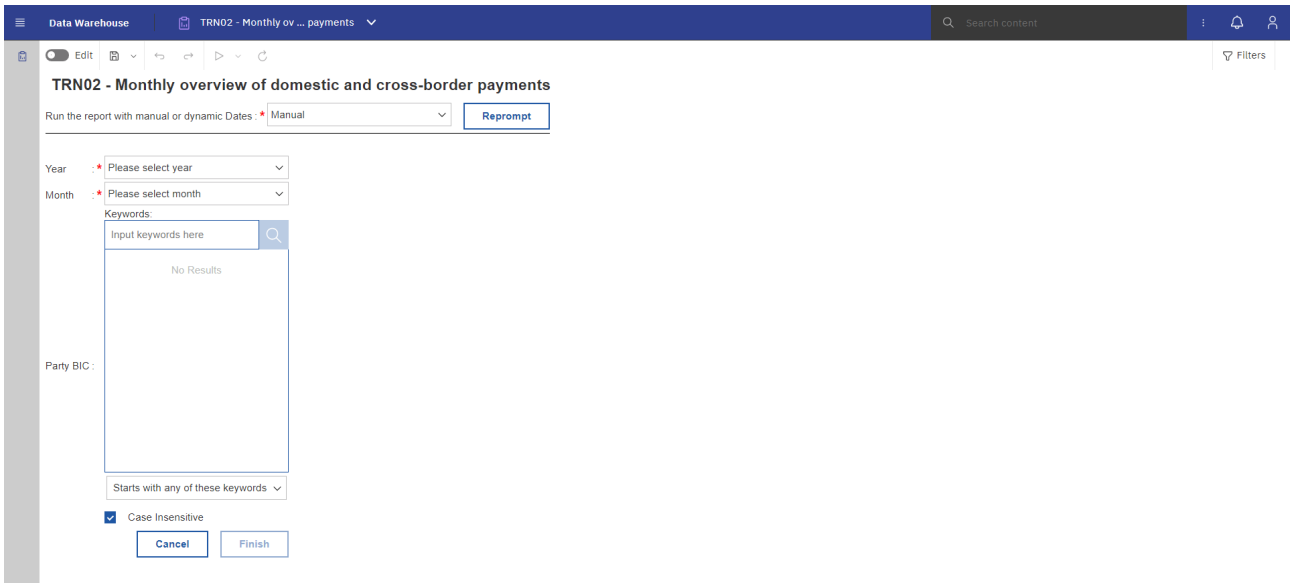



**Figure 339: TRN02 prompt – Manual**

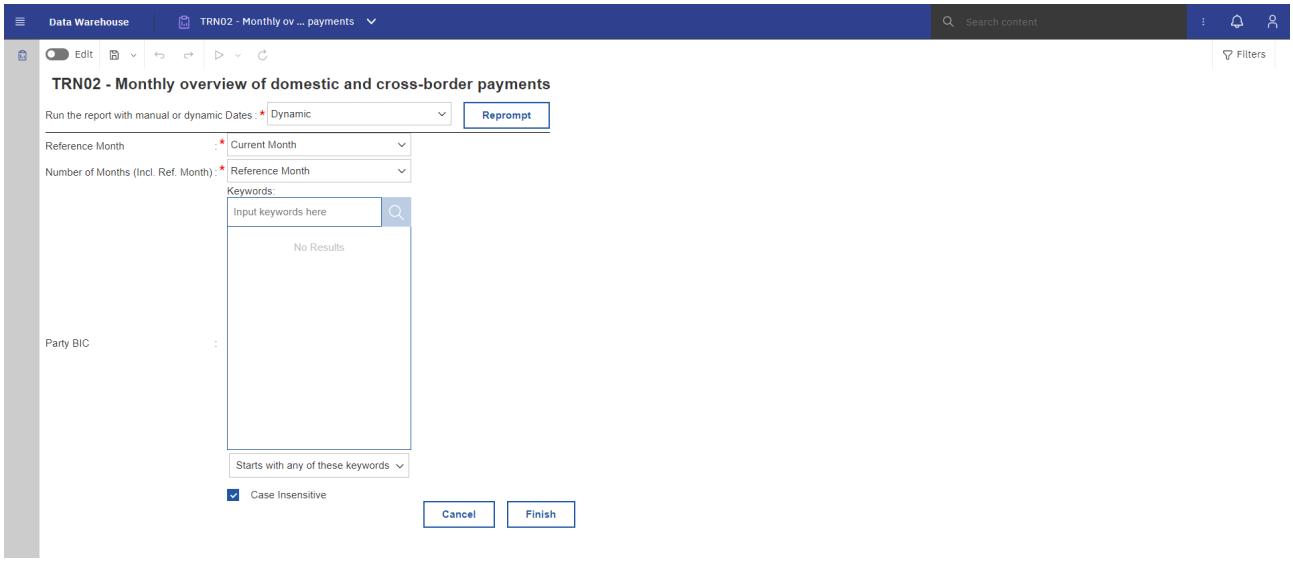



**Figure 340: TRN02 prompt - Dynamic**

## Prompt description

| **TRN02** – **Report description** – **prompt screen** - Manual | |
|---|---|
| **Filed label** | **Description** |
| Year | You can use this drop-down to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Month | You can use this drop-down field to select the month, from which the report should contain the data.<br>For valid report results, the current month cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BIC´s, which belong to the party.<br>This field is optional. |

**Table 116: TRN02 - Prompt description - Manual**

| **TRN02 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Filed label** | **Description** |
| Reference Month | Indicates the end-point of the date range for which the dynamic report should contain data. |

| | |
|---|---|
| | Valid values:<br>- Current Month<br>- Previous Month<br>This field is mandatory. |
| Number of Months (incl. Ref. Month) | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BIC´s, which belong to the party.<br>This field is optional. |

**Table 117: TRN02 - Prompt description - Dynamic**

## Screenshot - output screen

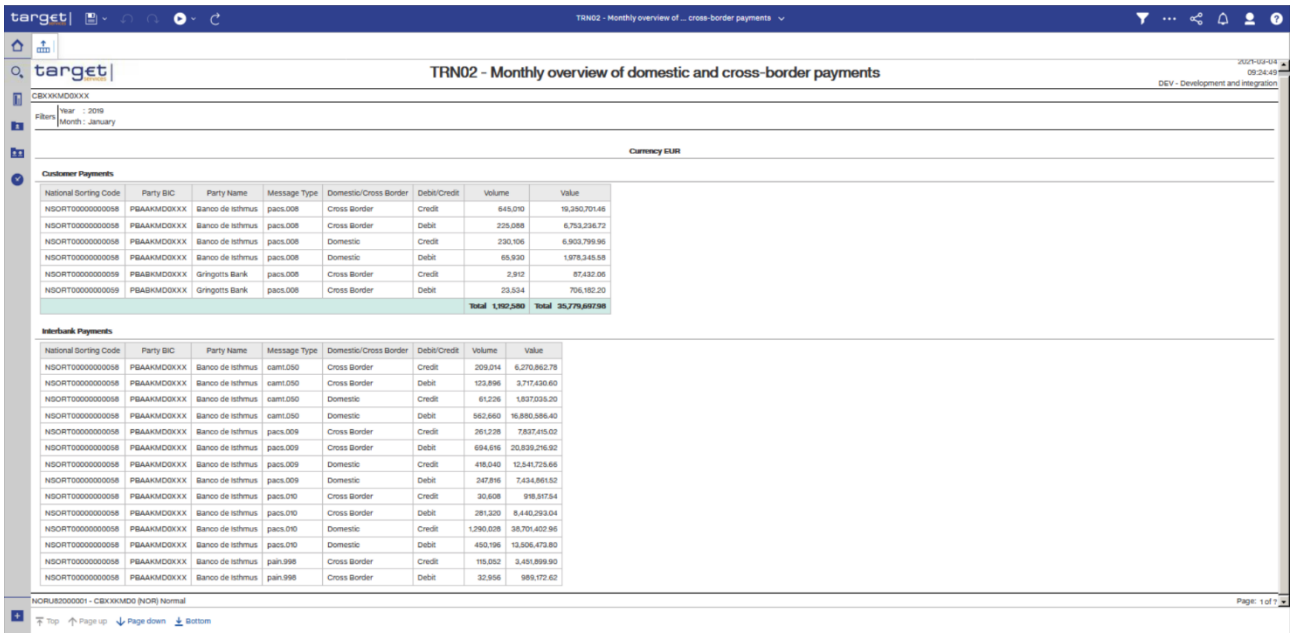



**Figure 341: TRN02 output (1)**

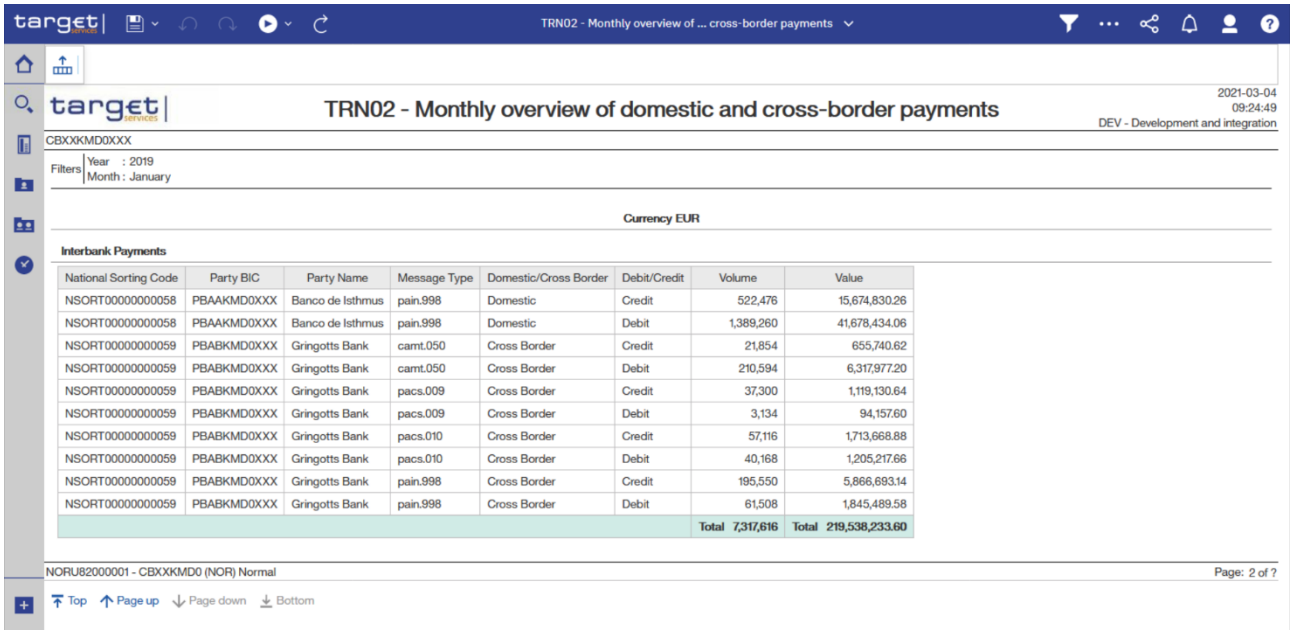



**Figure 342: TRN02 output (2)**

## Output description

| **TRN02 – Report description – output screen** | |
|---|---|
| The currency will be displayed above the table | |
| **Field label** | **Description** |
| One table for “Interbank payments” and one table for “Customer payments” with following data, sorted by message type and then by party BIC: | |
| National Sorting Code | National Sorting Code of the participant |
| Party BIC | BIC of Party |
| Party Name | Short name of the party; |
| Message Type | Message type.<br>Possible Values:<br>- camt.050<br>- pacs.004<br>- pacs.008<br>- pacs.009<br>- pacs.010<br>- pain.998 (ASTI) |

| | |
|---|---|
| Domestic/Cross Border | Mark, which identifies whether the displayed aggregation refers to domestic or cross border payments.<br>Possible values:<br>- Domestic<br>- Cross Border |
| Debit/Credit | “Debit” or “Credit” are displayed. |
| Volume | Number of payments per party, message type, domestic/cross border payment and debit/credit |
| Value | Sum of payments per party, message type, domestic/cross border payment and debit/credit |
| Total | Total of volumes and values listed in the preceding rows.<br>Recalculated automatically on the base of a data subset when the user uses filters. |

**Table 118: TRN02 - Output description**

### 5.14.3 TRN03 - Monthly peak day and peak hour in terms of volume and value of cash transfer orders

**Context of usage**

The report TRN03 provides information on the peak hour and peak day within a given month (range) in terms of volume and value of cash transfer orders in CLM or in RTGS. Within given time intervals the report TRN03 identifies peaks in volume and peaks in value of cash transfer orders grouped by their status. This report runs on the system entity level/ CB level.

This report can be used by CB and PB users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN03]

**Screenshot – prompt**

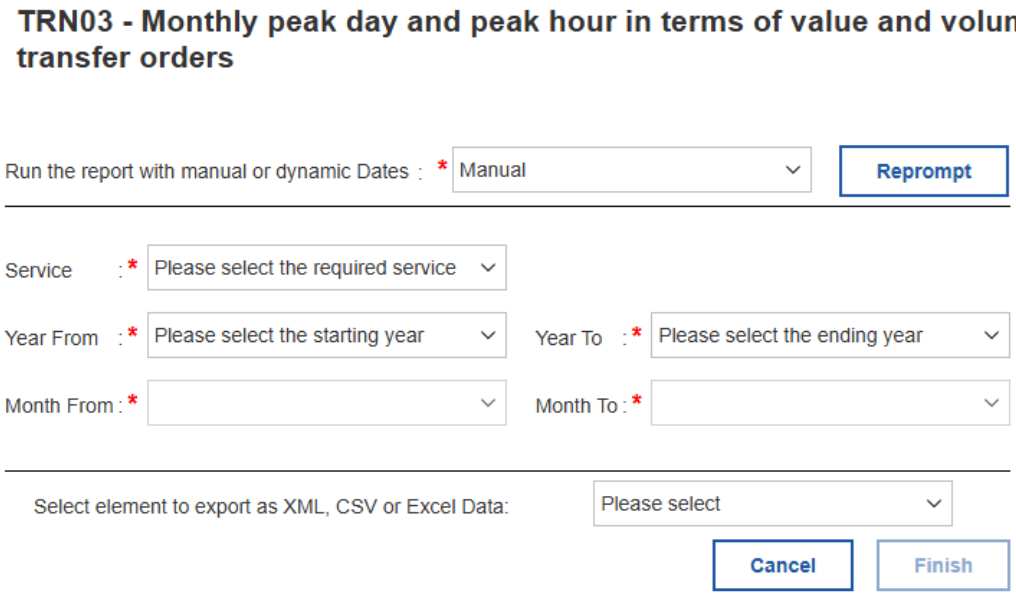



**Figure 343: TRN03 prompt - Manual**

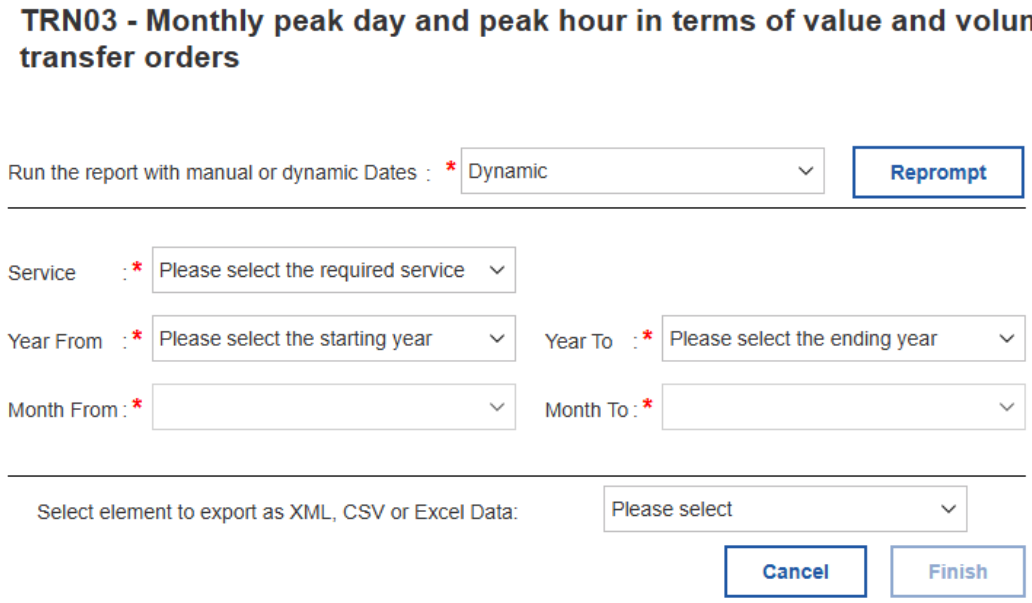



**Figure 344: TRN03 prompt - Dynamic**

## Prompt description

| **TRN03 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Service | You can use this drop-down field to select between the services. |

| | |
|---|---|
| | Possible values:<br>- CLM,<br>- RTGS.<br>This field is mandatory. |
| Year From | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Month From | You can use this drop-down field to select the month, from which the report should contain the data.<br>For a valid report result, it is necessary to select at least the previous month.<br>This field is mandatory. |
| Year To | You can use this drop-down field to select the end date of the period, for which the report should contain the data.<br>This field is mandatory |
| Month To | You can use this drop-down field to select the end date of the period, for which the report should contain the data.<br>For a valid report result, it is necessary to select at least the previous month.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Monthly peak day (volume)<br>- Monthly peak day (value)<br>- Monthly peak hour (volume)<br>- Monthly hour day (value)<br>This field is optional. |

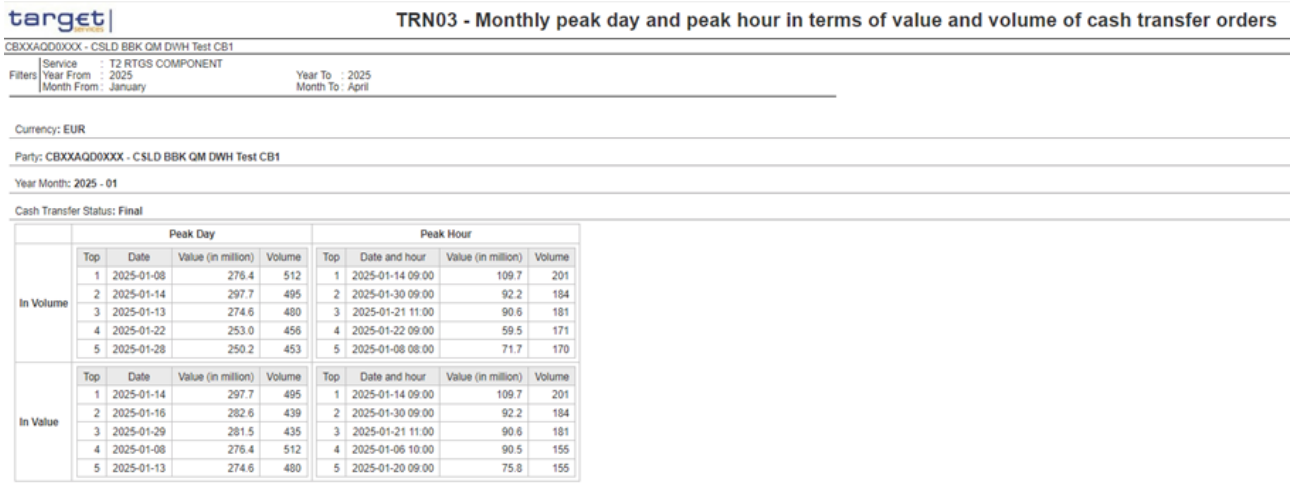
**Table 119: TRN03 - Prompt description - Manual**

| **TRN03 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Service | You can use this drop-down field to select between the services.<br>Possible values:<br>- CLM,<br>- RTGS.<br>This field is mandatory. |
| Reference Month | Indicates the end-point of the date range for which the dynamic report should contain data. |

| | |
|---|---|
| | Valid values:<br>- Current Month<br>- Previous Month<br>This field is mandatory. |
| Number of Months (incl. Ref. Month) | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Monthly peak day (volume)<br>- Monthly peak day (value)<br>- Monthly peak hour (volume)<br>- Monthly peak hour (value)<br>This field is optional. |

**Table 120: TRN03 - Prompt description – Dynamic**

## Screenshot - output screen



TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters: Service : T2 RTGS COMPONENT; Year From : 2025; Month From : January; Year To : 2025; Month To : April

Currency: EUR

Party: CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Year Month: 2025 - 01

Cash Transfer Status: Final

| | Peak Day | | | | Peak Hour | | | |
|---|---|---|---|---|---|---|---|---|
| | Top | Date | Value (in million) | Volume | Top | Date and hour | Value (in million) | Volume |
| In Volume | 1 | 2025-01-08 | 276.4 | 512 | 1 | 2025-01-14 09:00 | 109.7 | 201 |
| | 2 | 2025-01-14 | 297.7 | 495 | 2 | 2025-01-30 09:00 | 92.2 | 184 |
| | 3 | 2025-01-13 | 274.6 | 480 | 3 | 2025-01-21 11:00 | 90.6 | 181 |
| | 4 | 2025-01-22 | 253.0 | 456 | 4 | 2025-01-22 09:00 | 59.5 | 171 |
| | 5 | 2025-01-28 | 250.2 | 453 | 5 | 2025-01-08 08:00 | 71.7 | 170 |
| | Top | Date | Value (in million) | Volume | Top | Date and hour | Value (in million) | Volume |
| In Value | 1 | 2025-01-14 | 297.7 | 495 | 1 | 2025-01-14 09:00 | 109.7 | 201 |
| | 2 | 2025-01-16 | 282.6 | 439 | 2 | 2025-01-30 09:00 | 92.2 | 184 |
| | 3 | 2025-01-29 | 281.5 | 435 | 3 | 2025-01-21 11:00 | 90.6 | 181 |
| | 4 | 2025-01-08 | 276.4 | 512 | 4 | 2025-01-06 10:00 | 90.5 | 155 |
| | 5 | 2025-01-13 | 274.6 | 480 | 5 | 2025-01-20 09:00 | 75.8 | 155 |

**Figure 345: TRN03 output**

The report result is separated into two blocks, one for transfer orders in volume and the other one for transfer orders in value. Within this blocks there is a further segmentation in “Peak Day” and “Peak Hour” for the selected time period. For every segmentation the report will display the Top 5 results. If one or several results are identical, the report result will be extended by another result.

The report result shows the date, date and hour, volume and value of all cash transfer orders/final cash transfer orders/not settled cash transfer orders and cancelled cash transfer orders

## Output description

| **TRN03 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Currency | Displays the ISO currency code of the user. |
| Party | The CB and party short name of the user are shown. Both values are separated by a hyphen "-" |
| Year Month | Repeatable block for every month/year in the range beginning with the oldest. |
| Cash transfer status | Repeatable block for "All cash transfer orders", "Final cash transfer orders", "Not settled cash transfer orders" and "Cancelled cash transfer orders" within every month.<br>Possible values are:<br>- All<br>- Final<br>- Not settled<br>- Cancelled<br>Please note that 'All' is not the value of a single status but the group covering all states from 'Cancelled' to 'Not settled'. |
| Peak day – in volume | |
| Top | Numbers 1 through 5, each in a single row |
| Date | Date of the peak day this row refers to |
| Value (in million) | Sum of the value of all cash transfer orders/all final cash transfer orders/all not settled cash transfer orders this row refers to million of the given currency commercially rounded. |
| Volume | Number of all cash transfer orders/all final cash transfer orders/all not settled cash transfer orders this row refers to. |
| Peak day – in value | |
| Top | Numbers 1 through 5, each in a single row |
| Date | Date of the peak day this row refers to |
| Value (in million) | Sum of the value of all cash transfer orders/all final cash transfer orders/all not settled cash transfer orders this row refers to million of the given currency, commercially rounded. |

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| | |
|---|---|
| Volume | Number of all cash transfer orders/all final cash transfer orders/all not settled cash transfer orders this row refers to. |
| Peak hour – in volume | |
| Top | Numbers 1 through 5, each in a single row |
| Date and hour | Date and hour (as range) this row refers to:<br>yyyy-mm-dd<br>hh.mm – hh.mm<br>(from 00:00 – 00:59 till 23:00 – 23:59) |
| Value (in million) | Sum of the value of all cash transfer orders/all final cash transfer orders/all not settled cash transfer orders this row refers to million in the given currency, commercially rounded. |
| Volume | Number of all cash transfer orders/all final cash transfer orders/all not settled cash transfer orders this row refers to |
| Peak hour – in value | |
| Top | Numbers 1 through 5, each in a single row |
| Date and hour | Date and hour (as range) this row refers to:<br>yyyy-mm-dd<br>hh:mm – hh:mm<br>(from 00:00 – 00:59 till 23:00 – 23:59) |
| Value (in million) | Sum of the value of all cash transfer orders/all final cash transfer orders/all not settled cash transfer orders this row refers to in million in the given currency, commercially rounded. |
| Volume | Number of all cash transfer orders/all final cash transfer orders/all not settled cash transfer orders this row refers to. |

**Table 121: TRN03 - Output description**

## 5.14.4 TRN04 - Cash transfers per time band and per CB

**Context of usage**

The report TRN04 provides information on the total volume and value of cash transfers per time band of 15 minutes on a chosen business day. Cash transfers in CLM and RTGS are reported in separate report Tables.

Volume and value Figures are reported separate for domestic (only debits) and cross-border (differentiated by debits and credits) cash transfers. In addition, cumulated volume and value Figures are displayed.

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CBs can retrieve information on cash transfers of parties belonging to their system entity.

This report can be used by CB users only.

## Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN04]

## Screenshot – prompt

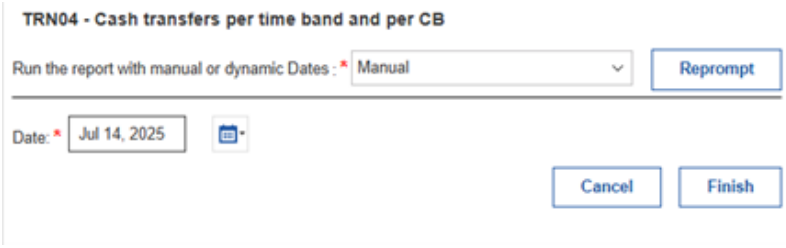



**Figure 346: TRN04 prompt – Manual**

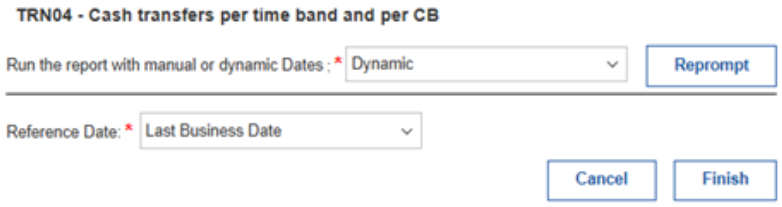



**Figure 347: TRN04 prompt – Dynamic**

## Prompt description

| **TRN04 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Date | You can specify the business day by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |

**Table 122: TRN04 - Prompt description - Manual**

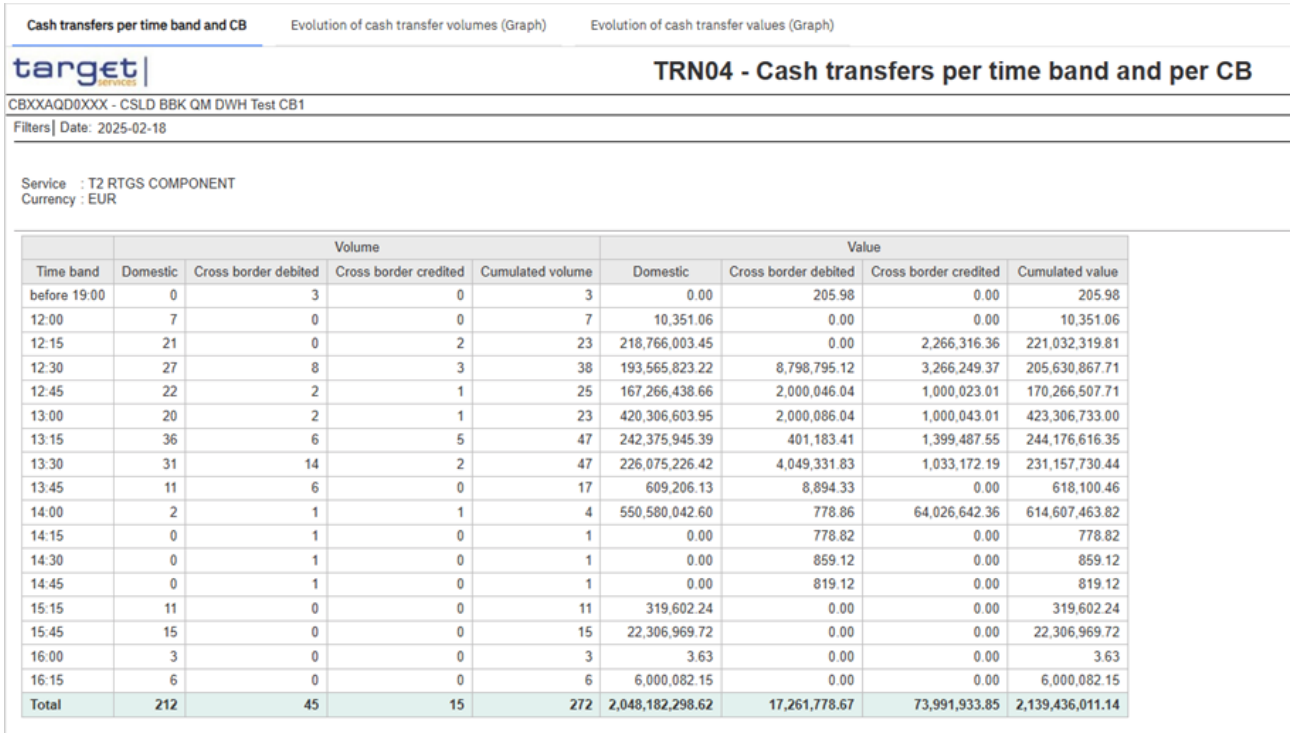
| **TRN04 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data. |

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| | |
|---|---|
| | Valid values:<br>- Last Business Date<br>- Prior Last Business Date<br>This field is mandatory. |

**Table 123: TRN04 - Prompt description – Dynamic**

## Screenshot - output screen



Cash transfers per time band and CB | Evolution of cash transfer volumes (Graph) | Evolution of cash transfer values (Graph)

target services

TRN04 - Cash transfers per time band and per CB

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters| Date: 2025-02-18

Service : T2 RTGS COMPONENT
Currency : EUR

| | Volume | | | | Value | | | |
|---|---|---|---|---|---|---|---|---|
| Time band | Domestic | Cross border debited | Cross border credited | Cumulated volume | Domestic | Cross border debited | Cross border credited | Cumulated value |
| before 19:00 | 0 | 3 | 0 | 3 | 0.00 | 205.98 | 0.00 | 205.98 |
| 12:00 | 7 | 0 | 0 | 7 | 10,351.06 | 0.00 | 0.00 | 10,351.06 |
| 12:15 | 21 | 0 | 2 | 23 | 218,766,003.45 | 0.00 | 2,266,316.36 | 221,032,319.81 |
| 12:30 | 27 | 8 | 3 | 38 | 193,565,823.22 | 8,798,795.12 | 3,266,249.37 | 205,630,867.71 |
| 12:45 | 22 | 2 | 1 | 25 | 167,266,438.66 | 2,000,046.04 | 1,000,023.01 | 170,266,507.71 |
| 13:00 | 20 | 2 | 1 | 23 | 420,306,603.95 | 2,000,086.04 | 1,000,043.01 | 423,306,733.00 |
| 13:15 | 36 | 6 | 5 | 47 | 242,375,945.39 | 401,183.41 | 1,399,487.55 | 244,176,616.35 |
| 13:30 | 31 | 14 | 2 | 47 | 226,075,226.42 | 4,049,331.83 | 1,033,172.19 | 231,157,730.44 |
| 13:45 | 11 | 6 | 0 | 17 | 609,206.13 | 8,894.33 | 0.00 | 618,100.46 |
| 14:00 | 2 | 1 | 1 | 4 | 550,580,042.60 | 778.86 | 64,026,642.36 | 614,607,463.82 |
| 14:15 | 0 | 1 | 0 | 1 | 0.00 | 778.82 | 0.00 | 778.82 |
| 14:30 | 0 | 1 | 0 | 1 | 0.00 | 859.12 | 0.00 | 859.12 |
| 14:45 | 0 | 1 | 0 | 1 | 0.00 | 819.12 | 0.00 | 819.12 |
| 15:15 | 11 | 0 | 0 | 11 | 319,602.24 | 0.00 | 0.00 | 319,602.24 |
| 15:45 | 15 | 0 | 0 | 15 | 22,306,969.72 | 0.00 | 0.00 | 22,306,969.72 |
| 16:00 | 3 | 0 | 0 | 3 | 3.63 | 0.00 | 0.00 | 3.63 |
| 16:15 | 6 | 0 | 0 | 6 | 6,000,082.15 | 0.00 | 0.00 | 6,000,082.15 |
| Total | 212 | 45 | 15 | 272 | 2,048,182,298.62 | 17,261,778.67 | 73,991,933.85 | 2,139,436,011.14 |

**Figure 348: TRN04 output - Cash transfers per time band and CB**

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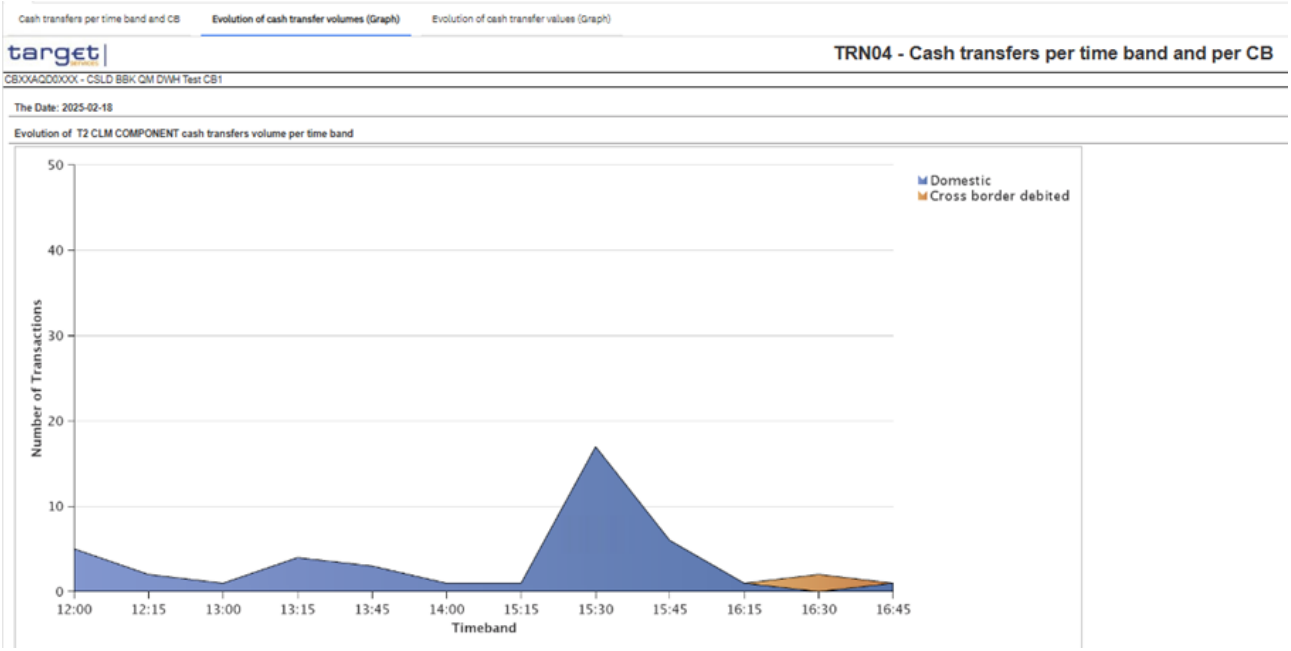



**Figure 349: TRN04 output – Evolution of cash transfer volumes (Graph)**

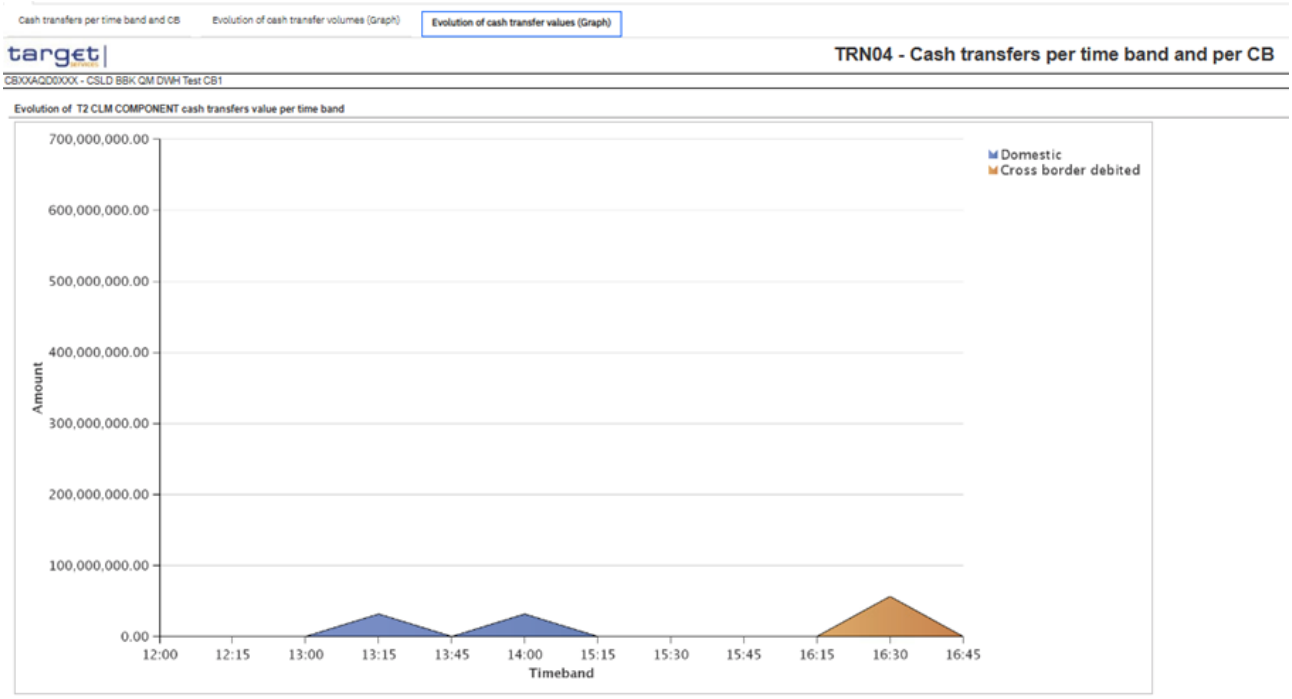



**Figure 350: TRN04 output – Evolution of cash transfer values (Graph)**

## Output description

| TRN04 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |

| | |
|---|---|
| Service | Shows the service which the displayed data is shown for |
| Currency | Shows the ISO currency code |
| Time band | Time band in 15 minutes intervals:<br>Time band in 15 minutes intervals: Before 19:00 (beginning with start of the business day), 19:00, 19:15, 19:30, (etc. in 15 minutes steps), 18:00, after 18:00 (ending with EoD) |
| Volume domestic | Volume of domestic cash transfers (only debits) per time band |
| Volume cross border | Volume of debited cross border cash transfers per time band |
| Volume cross border | Volume of credited cross border cash transfers per time band |
| Volume cumulated volume | Sum of all three volumes per time band |
| Value domestic | Value of domestic cash transfers (only debits) per time band |
| Value cross border debited | Value of debited cross border cash transfers per time band |
| Value cross border credited | Value of credited cross border cash transfers per time band |
| Value cumulated value | Sum of all three values per time band |
| Total | Overall Sum of the volumes/values types over all time bands |
| Graph 1 | Evolution of CLM/RTGS cash transfer volumes per time band".<br>Four different lines stacked areas in different colours representing the values in the table on previous page. |
| Graph 2 | Evolution of CLM/RTGS cash transfer values per time band".<br>Four different lines stacked areas in different colours representing the values in the table on previous page. |

**Table 124: TRN04 - Output description**

## 5.14.5 TRN05 - Monthly overview of cash transfer orders per party

**Context of usage**

The report TRN05 provides information on the monthly volume and value of cash transfer orders of a selected party on its account(s). Cash transfer orders in CLM and RTGS are reported in separate report Tables. In case that several accounts belong to the same party in CLM or RTGS, separate Figures for each account are displayed. The volume/value Figures include totals, monthly averages and are differentiated by settlement priority and settlement status and service.

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CBs can retrieve information for parties belonging to their system entity.

This report can be used by CB and PB users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN05]

**Screenshot – prompt**

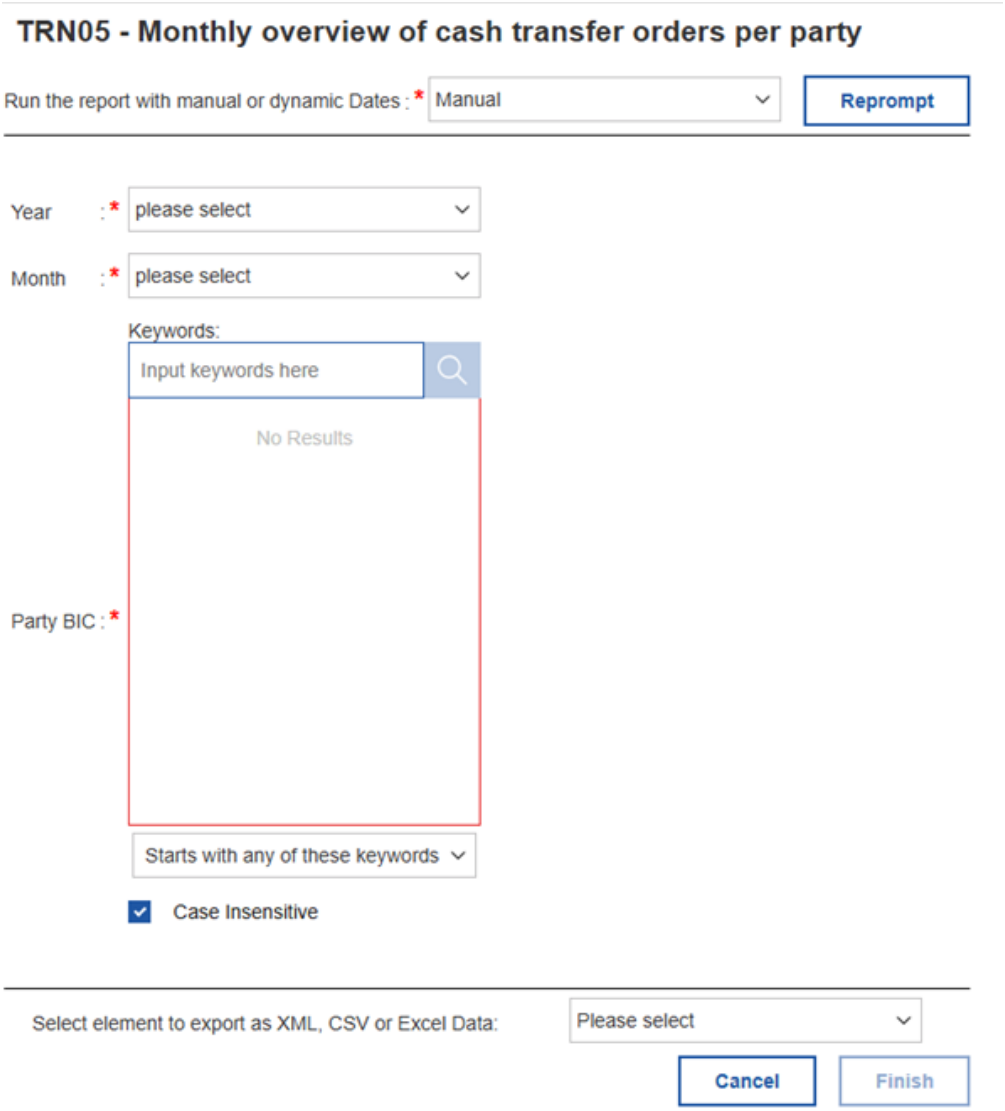



**Figure 351: TRN05 prompt - Manual**

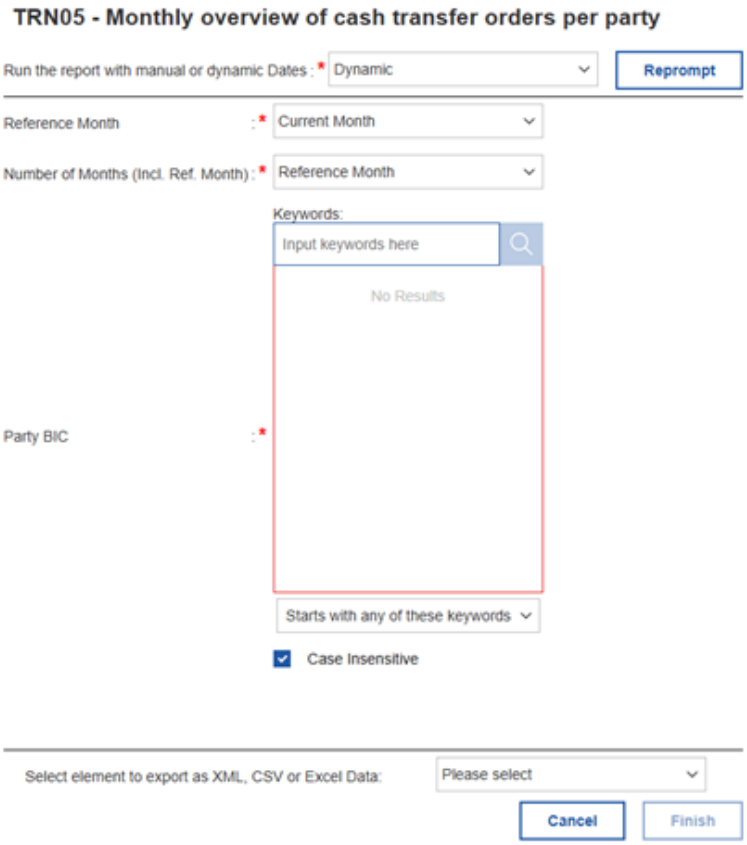



**Figure 352: TRN05 prompt - Dynamic**

## Prompt description

| **TRN05 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the Year, from which the report should contain the data.<br>This field is mandatory. |
| Month | You can use this drop-down field to select the Month, from which the report should contain the data.<br>For valid report results, the current month cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BIC´s, which belong to the party.<br>This field is mandatory. |

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| | |
|---|---|
| Select element to export as XML, CSV or Excel Data | - Cross border transactions debited<br>- Cross border transactions credited<br>- Domestic transactions debited<br>- Domestic transactions credited<br>This field is optional. |

**Table 125: TRN05 - Prompt description - Manual**

| **TRN05 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Month | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Current Month<br>- Previous Month<br>This field is mandatory. |
| Number of Months (incl. Ref. Month) | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the party BIC. This field will show all related BIC´s, which belong to the party.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Cross border transactions debited<br>- Cross border transactions credited<br>- Domestic transactions debited<br>- Domestic transactions credited<br>This field is optional. |

**Table 126: TRN05 - Prompt description – Dynamic**

## Screenshot - output screen

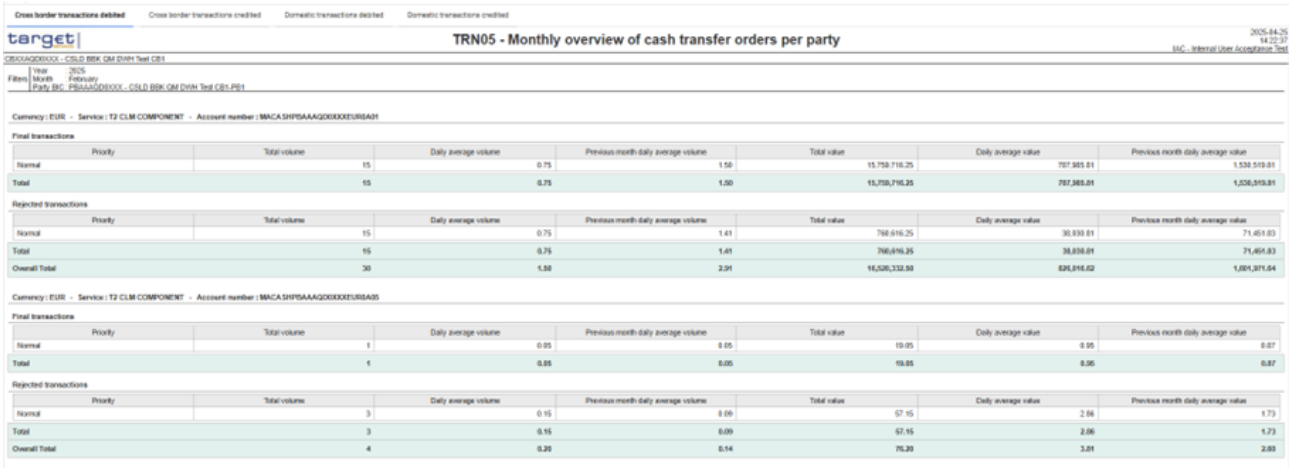



**Figure 353: TRN05 output (1) – Cross border transactions debited**

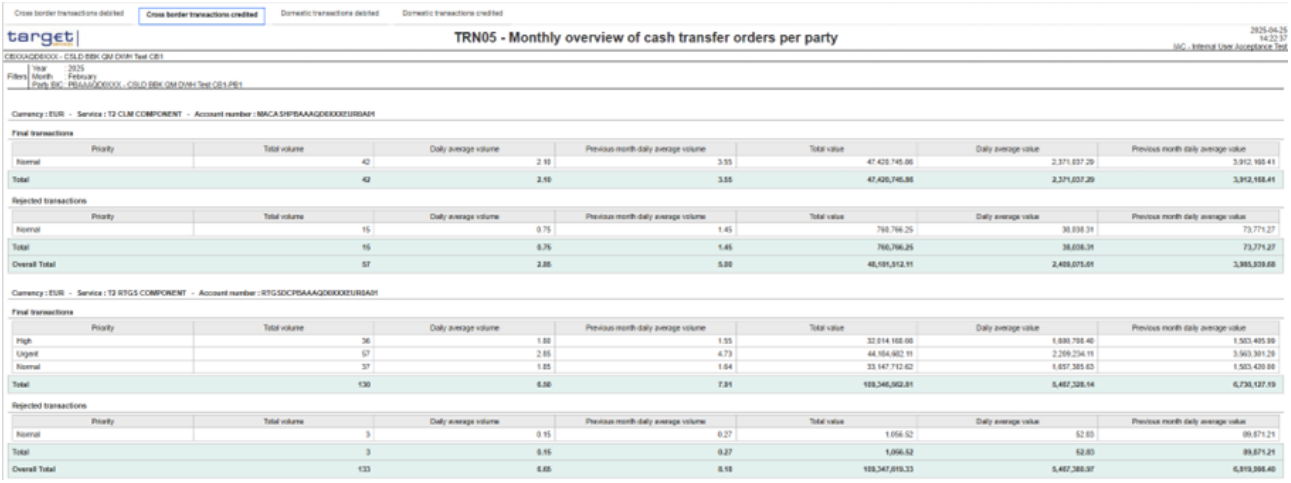



**Figure 354: TRN05 output (2) – Cross border transactions credited**

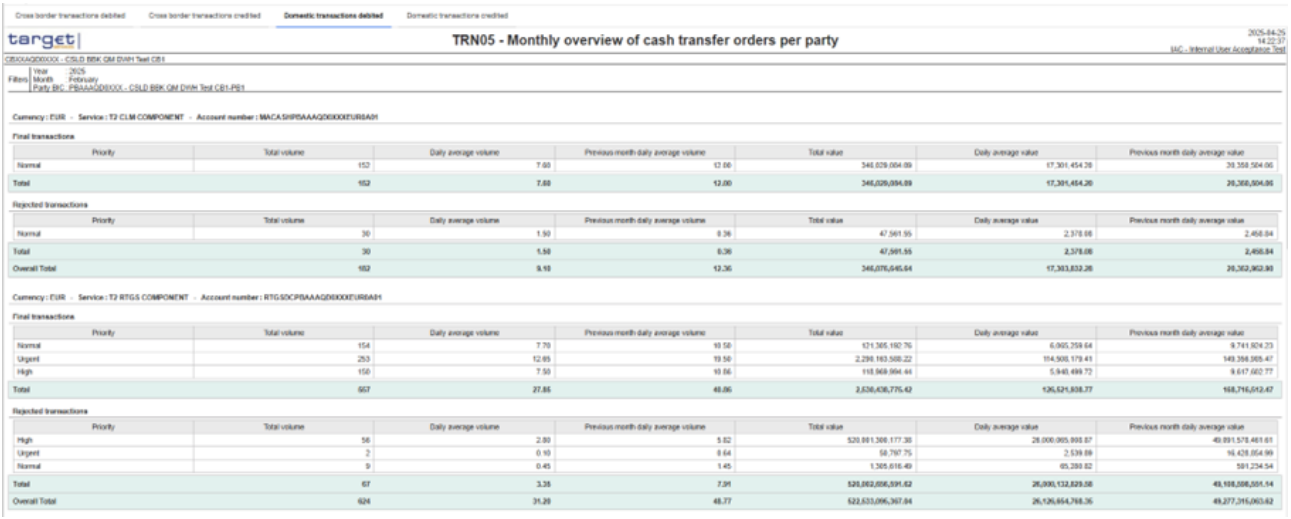



**Figure 355: TRN05 output (3) – Domestic transactions debited**

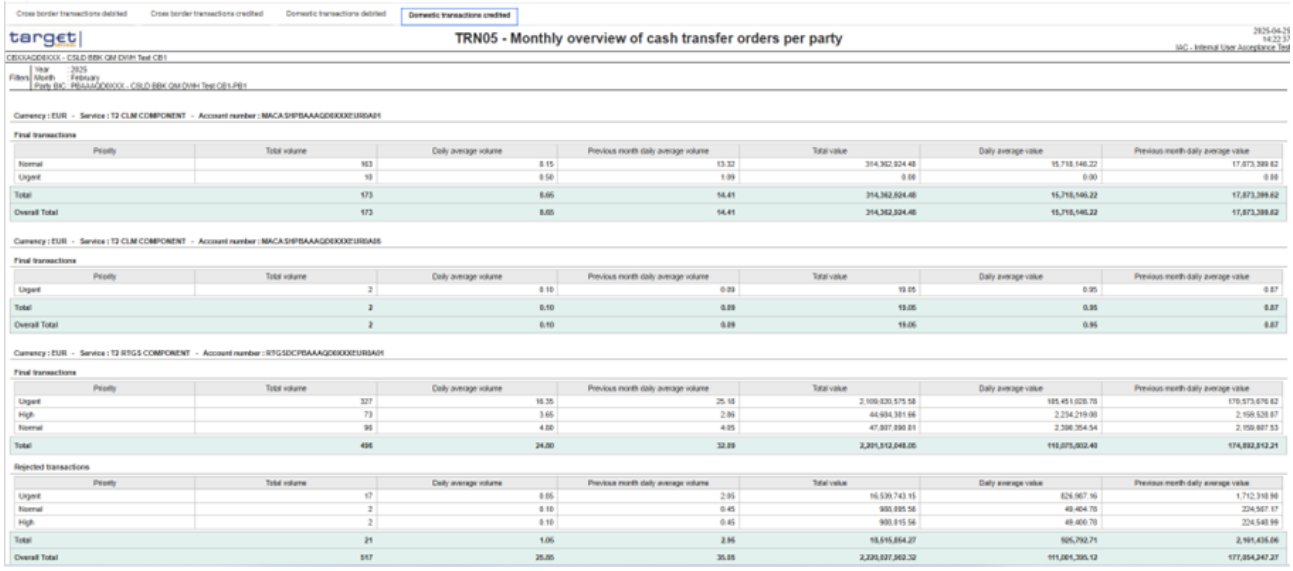



**Figure 356: TRN05 output (4) – Domestic transactions credited**

## Output description

| **TRN05 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| The report consists of four sheets:<br>Sheet 1: Cross border transactions debited<br>Sheet 2: Cross border transactions credited<br>Sheet 3: Domestic transactions debited<br>Sheet 4: Domestic transactions credited<br>Each sheet with following data:<br>For every service (CLM and RTGS, in case the chosen party owns accounts in both) and every cash account owned by the chosen party in the respective service: | |
| Currency | Shows the ISO currency code |
| Service, account number | Service in which the account is held:<br>- CLM,<br>- RTGS,<br>followed by the account number of cash account owned by the chosen party in the respective service.<br>Only accounts of the following types are regarded:<br>For CLM:<br>- MCA<br>- CLM CB account<br>For RTGS: |

| | |
|---|---|
| | RTGS DCA<br>RTGS sub-account<br>RTGS CB account<br>Ancillary System Guarantee funds account<br>AS Technical account |
| Three tables for “Final transactions”, “Cancelled transactions” and “Rejected transactions”. Each table with following data : | |
| Priority | Possible values:<br>Urgent<br>High<br>Normal |
| Total volume | Total of volume of chosen month |
| Daily average volume | Daily average of volume |
| Previous month daily average volume | Daily average of volume of the previous month |
| Total value | Total value |
| Daily average value | Monthly average of value |
| Previous month daily average value | Daily average of value of the previous month |
| Total | Sum of each column for one status |
| Overall Total | Sum of each column over all status (final, cancelled, rejected) |

**Table 127: TRN05 - Output description**

## 5.14.6 TRN06 - Monthly share of Indirect Participant, addressable BIC and multi-addressee payments as part of total Direct Participant’s activity

**Context of usage**

This report provides information on the monthly volume and value of payments of all Indirect Participants, addressable BICs and multi-addressees belonging to a selected Direct Participant in RTGS. The volume and value Figures are presented for each Indirect Participant/addressable BIC/multi-addressee as totals (differentiated by domestic and cross-border traffic) and in addition, as share of the Direct Participant’s activity.

All Figures are reported for the given month and the preceding month.

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CBs can retrieve information for those entities where the respective Direct Participant belongs to their system entity.

This report can be used by CB and PB users.

## Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN06]

## Screenshot - prompt screen

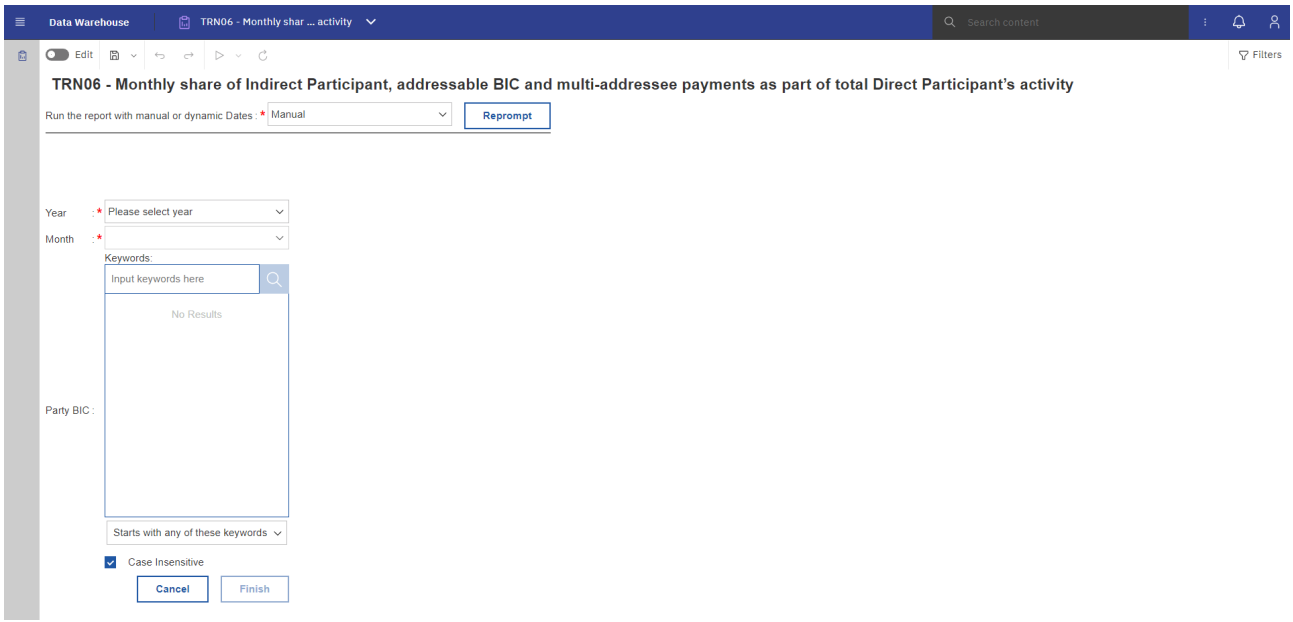



**Figure 357: TRN06 prompt - Manual**

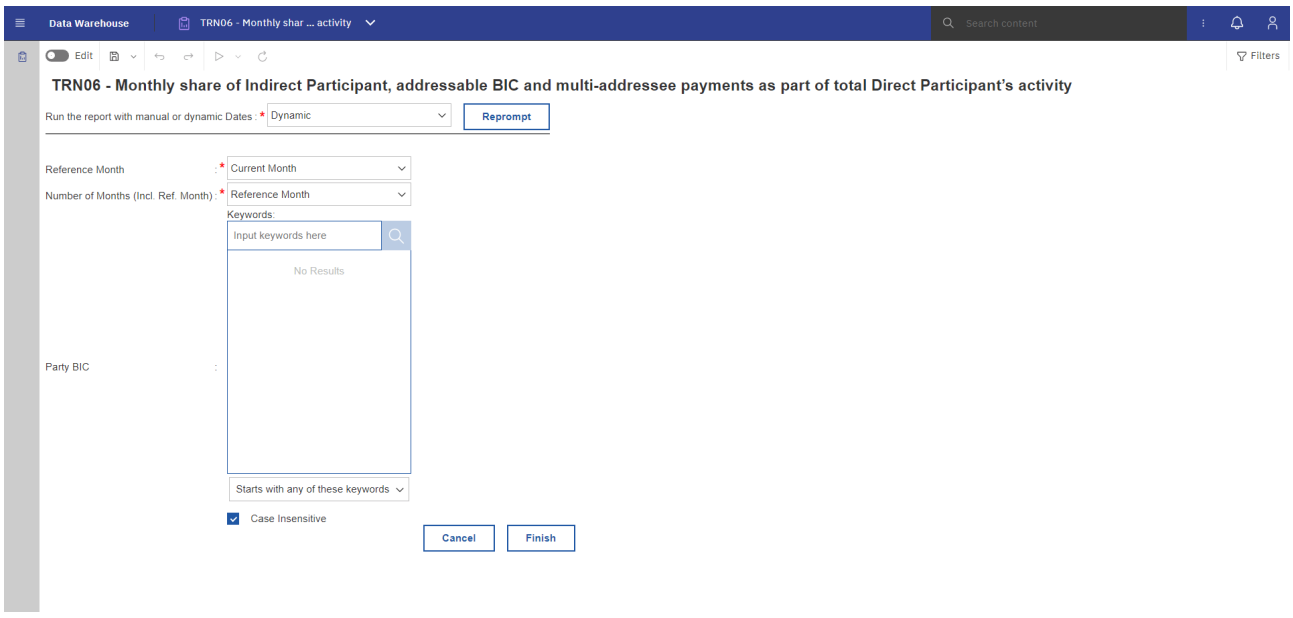



**Figure 358: TRN06 prompt - Dynamic**

## Prompt description,

| TRN06 – Report description – prompt description – Manual | |
|---|---|
| **Field label** | **Description** |
| Year | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Month | You can use this drop-down field to select the month, from which the report should contain the data.<br>For valid report results, the current month cannot be selected.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the Party BIC. This field will show all related BIC´s, which belong to the Party. |

**Table 128: TRN06 - Prompt description - Manual**

| TRN06 – Report description – prompt description - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Month | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Current Month<br>- Previous Month<br>This field is mandatory. |
| Number of Months (incl. Ref. Month) | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select the Party BIC. This field will show all related BIC´s, which belong to the Party. |

**Table 129: TRN06 - Prompt description - Dynamic**

## Screenshot - output screen

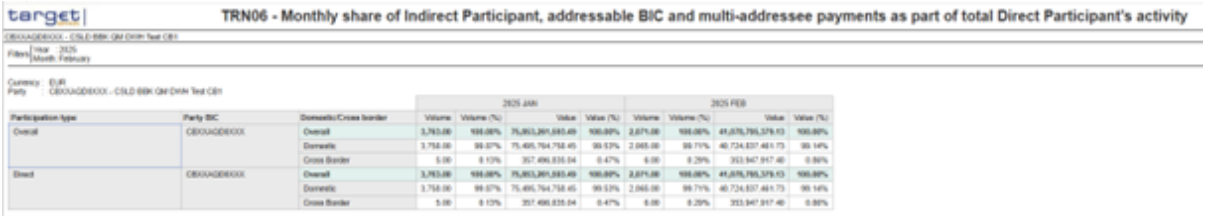



**Figure 359: TRN06 output**

## Output description

| **TRN06 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| Currency | Currency |
| Party | The party BIC and party short name of the user are shown. Both values separated by a hyphen "-" |
| Participation Type | Participation type.<br>Possible values:<br>- "Overall"<br>- "Direct"<br>- "Addressable BIC"<br>- "Indirect"<br>- "Multi Addressee"<br>In order to increase readability the participation type is displayed only after a group change.<br>Initial sorting by this column , then by party BIC |
| Party BIC | In total rows the column either displays "Addressable BIC" resp. "All Indirect" resp. "All Multi Addressee" or the BICs of the Direct Participant, of related addressable BICs, the party's Indirect Participants or of its multi addressee.<br>In order to increase readability the party BIC/Total is displayed only after a group change.<br>Initial sorting by participation type , then by this column |
| Overall/Domestic/Cross Border | Mark which identifies whether the displayed aggregation refers to a total per BIC or domestic or cross border cash transfer orders.<br>Possible values:<br>- Overall<br>- Domestic<br>- Cross Border |

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| | |
|---|---|
| Previous Month | |
| Volume | Number of cash transfer orders |
| % | Percentage value of the displayed volume for the combination of participation type, party BIC total and debit/credit;<br>Up to 2 decimals are displayed |
| Value | Sum of amount. The base for the calculation are debited amounts only. |
| % | Percentage of the displayed volume for the combination of participation type, party BIC total and debit/credit<br>Up to 2 decimals are displayed. |
| Reported Month | |
| % | Percentage value of the displayed volume for the combination of participation type, party BIC total and debit/credit;<br>Up to 2 decimals are displayed. |
| Value | Sum of amount. The base for the calculation are debited amounts only. |
| % | Percentage of the displayed volume for the combination of participation type, party BIC total and debit/credit<br>Up to 2 decimals are displayed. |

**Table 130: TRN06 - Output description**

## 5.14.7 TRN07 - Cash transfers between two accounts of different parties

**Context of usage**

TRN07 lists all cash transfers between two accounts in CLM or RTGS for a given date (range). For each cash transfer the settlement time stamp, the message type, the CLM/RTGS booking reference, the transaction category and the settlement amount are displayed. CBs can retrieve information on those cash transfers where at least one of the two involved accounts (credited or debited account) is opened under a party belonging to its system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN07]

**Screenshot – prompt**

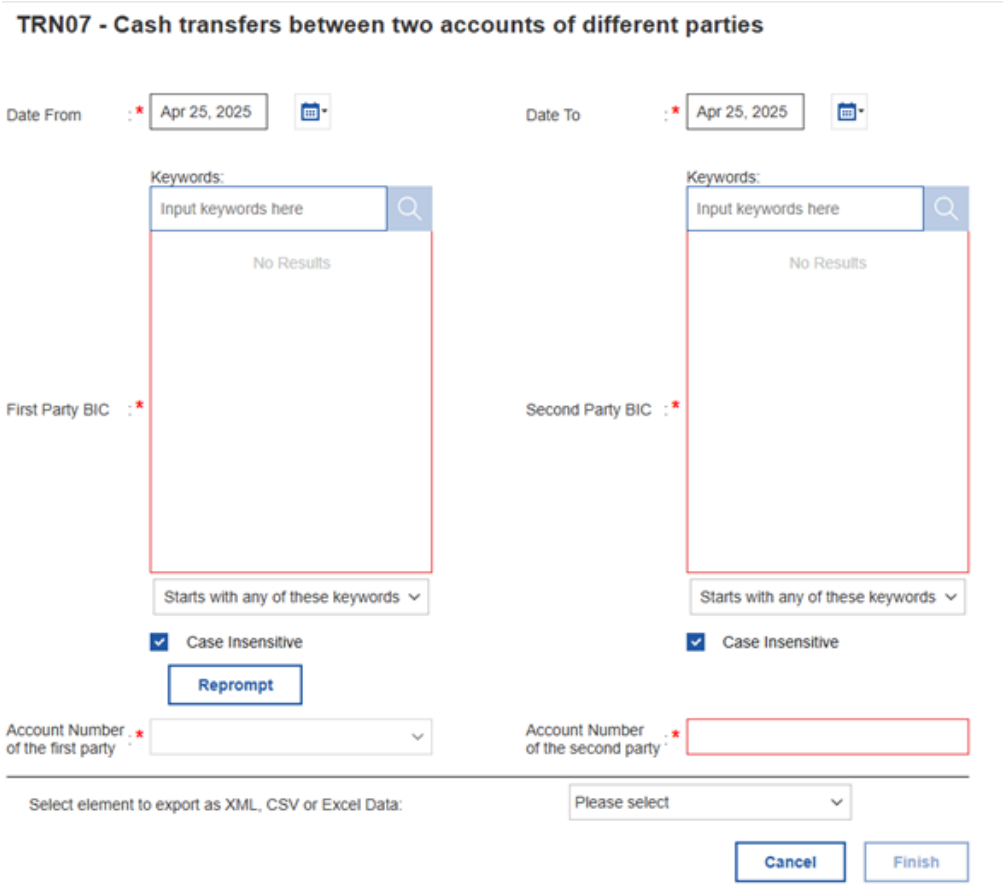



**Figure 360: TRN07 prompt**

## Prompt description

| **TRN07 – Report description – prompt description** | |
|---|---|
| **Field label** | **Description** |
| Date From | You can enter the date by clicking on the calendar .<br>This field is mandatory. |
| Date To | You can enter the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory |
| First Party BIC | You can use this search and select prompt to select the first party BIC or short name.<br>This field is mandatory |
| Second Party BIC | You can use this search and select prompt to select the second party BIC and short name. |

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| | |
|---|---|
| | This field is mandatory |
| Account Number of the first party | .You can use this drop-down list to select the account number of the first party.<br>It is built from account numbers within the user's data scope.<br>This field is mandatory. |
| Account Number of the second party | You can use this free text field to enter the account number of the second party.<br>This field is mandatory |
| Select element to export as XML, CSV or Excel Data | - Account details<br>- Account transactions<br>This field is optional. |

**Table 131: TRN07 - Prompt description**

## Screenshot - output screen

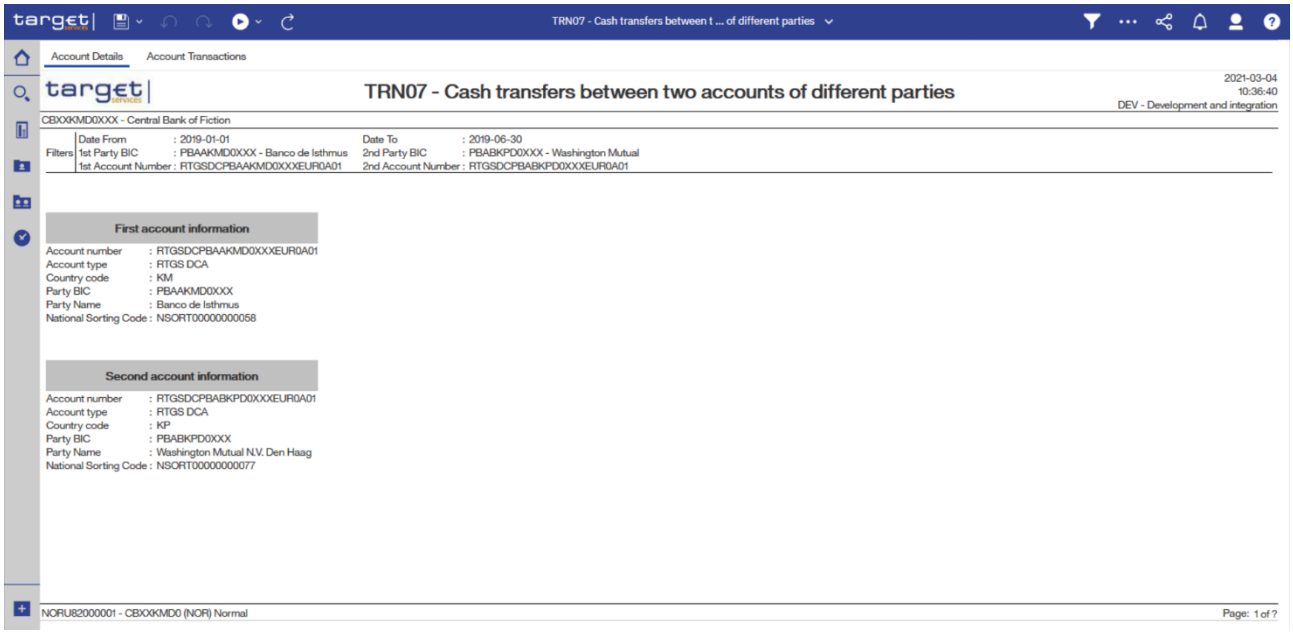



**Figure 361: TRN07 output (1)**

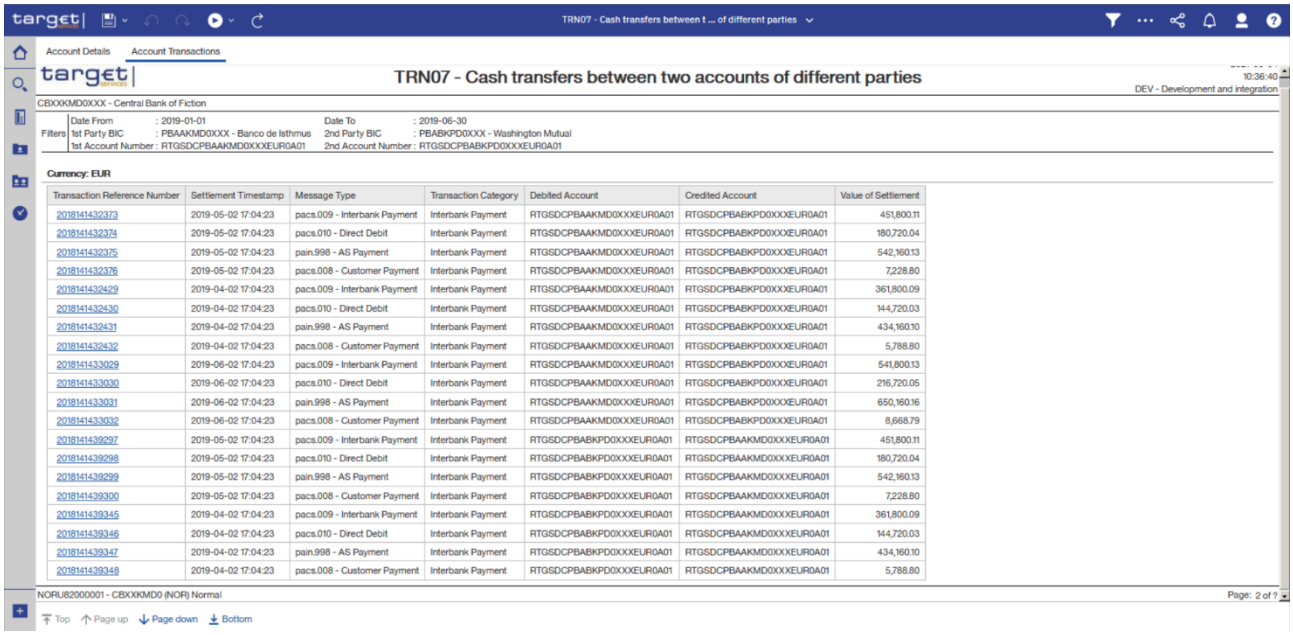



**Figure 362: TRN07 output (2)**

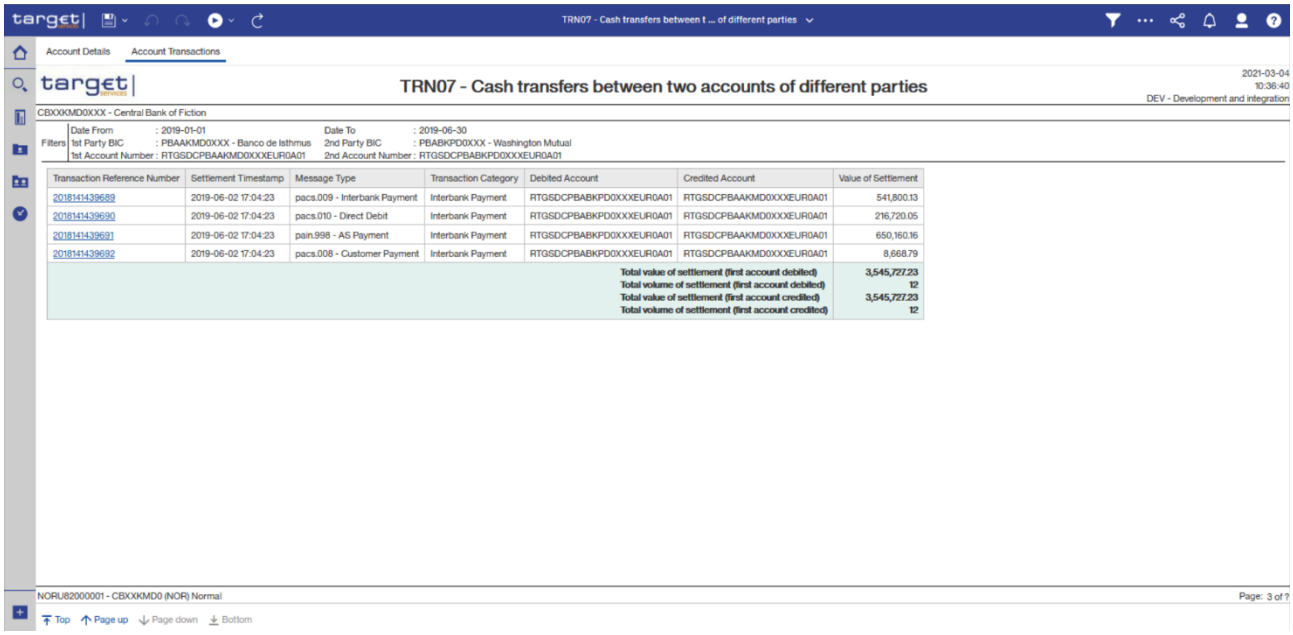



**Figure 363: TRN07 output (3)**

## Output description

| **TRN07 – Report description – output screen – table**<br>**Account details** | |
|---|---|
| **Field label** | **Description** |
| Account number | Account number as chosen in the search criteria |

| | |
|---|---|
| Account type | Account type as chosen in the search criteria<br>Possible values:<br>For CLM<br>- MCA<br>- Overnight Deposit account<br>- CLM CB account<br>- Marginal Lending account<br>For RTGS :<br>- RTGS DCA<br>- RTGS sub-account<br>- RTGS CB account<br>- Ancillary System Guarantee funds account<br>- AS technical accounts |
| Country code | Country code related to the party chosen in the search criteria |
| Party BIC | Party BIC as chosen in the search criteria |
| Party Name | Party name related to the party BIC chosen in the search criteria |
| National Sorting Code | National Sorting Code related to the party BIC chosen in the search criteria |
| **TRN07 – Report description – output screen – table list of cash transfers** | |
| **Field label** | **Description** |
| Currency | ISO currency code |
| Transaction Reference Number | Transaction reference number (CLM/RTGS internal cash transfer identifier) |
| Settlement Timestamp | Timestamp of the cash transfer settlement |
| Message Type | Message type.<br>Possible values:<br>- camt.050<br>- pain.998 (ASTI)<br>- pacs.004<br>- pacs.008<br>- pacs.009<br>- pacs.010 |

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| | |
|---|---|
| Transaction Category | Statistical Classification Transaction category.<br>Possible values:<br>- CLM Intra Liquidity Transfer (C.10.00)<br>- CLM RTGS Liquidity Transfer (C.10.20)<br>- CLM T2S Liquidity Transfer (C.10.30)<br>- CLM TIPS Liquidity Transfer (C.10.40)<br>- Open Market Operations (C.11.01)<br>- Standing Facilities (C.11.02)<br>- Reserve and Account Management (C.11.03)<br>- Inter Central Bank Transactions (C.11.04)<br>- Connected payments for credit line changes (C.11.05)<br>- Non-euro area CB operations (C.11.06)<br>- Other (including cash transactions) (C.11.09)<br>- Billing (C.12)<br>- Target balances (C.13)<br>- Levelling out of closed accounts (C.14.01)<br>- ECONS II back transfers (C.14.02)<br>- Seizure of funds (C.14.03)<br>- CLM Other (C.19)<br>- RTGS Intra Liquidity Transfer (R.20.00)<br>- RTGS CLM Liquidity Transfer (R.20.10)<br>- RTGS T2S Liquidity Transfer (R.20.30)<br>- RTGS TIPS Liquidity Transfer (R.20.40)<br>- Interbank Payments (R.21.01)<br>- Customer Payments (R.21.02)<br>- Other (R.21.09)<br>- AS Transactions HVPS (R.22.01)<br>- AS Transactions RPS (R.22.02)<br>- AS Transactions IPS (R.22.03)<br>- AS Transactions SSS (R.22.04)<br>- AS Transactions FES (R.22.05)<br>- AS Transactions MMS (R.22.06)<br>- AS Transactions CCP (R.22.07)<br>- AS Transactions Other (R.22.09)<br>- Levelling out of closed accounts (R.23.01)<br>- RTGS Other (R.29) |
| Debited Account | Debited account number |

| | |
|---|---|
| Credited Account | Identification of the credited account number |
| Value of Settlement | Settlement amount |
| Total value of settlement (first account debited) | Total value of settlement (first account debited) |
| Total volume of settlement (first account debited) | Total volume of settlement (first account debited) |
| Total value of settlement (first account credited) | Total value of settlement (first account credited) |
| Total volume of settlement (first account credited) | Total volume of settlement (first account credited) |
| Details of chosen cash transfer | This Details-screen is shown when the user has clicked on the reference of one of the objects in the screen. TRN01 – Cash transfer (order) search and details |

**Table 132: TRN07 - Output description**

## 5.14.8 TRN08 - Business activity of a party/parties

**Context of usage**

The report TRN08 provides information on the total volume and value as well as the average settlement amount of cash transfer orders in CLM or RTGS per party for a given date (range). In case that several accounts belong to the same party in CLM or RTGS, aggregated Figures are displayed. The volume, value and average settlement amount Figures are presented separately for the debit/credit side and the sending/ receiving side.

CBs can retrieve information for parties belonging to their system entity.

This report can be used by CB and PB users.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN08]

**Screenshot - prompt screen**

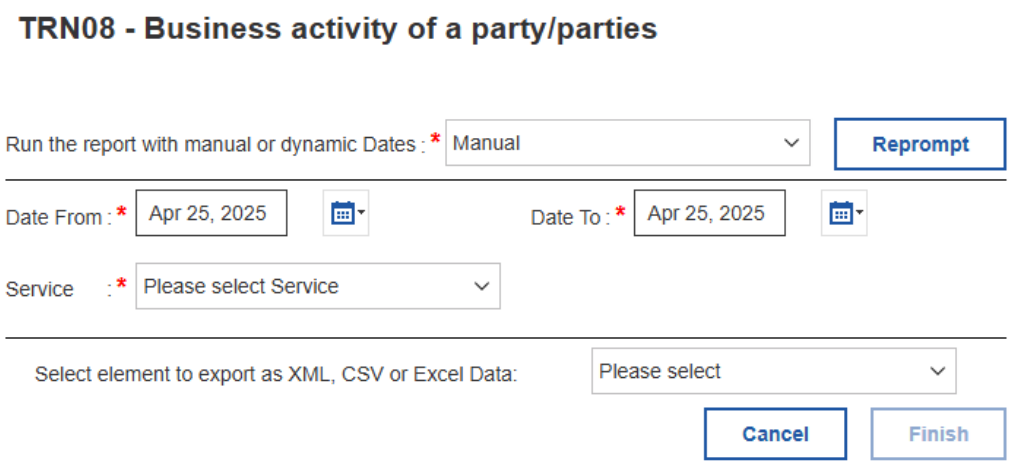



**Figure 364: TRN08 prompt - Manual**

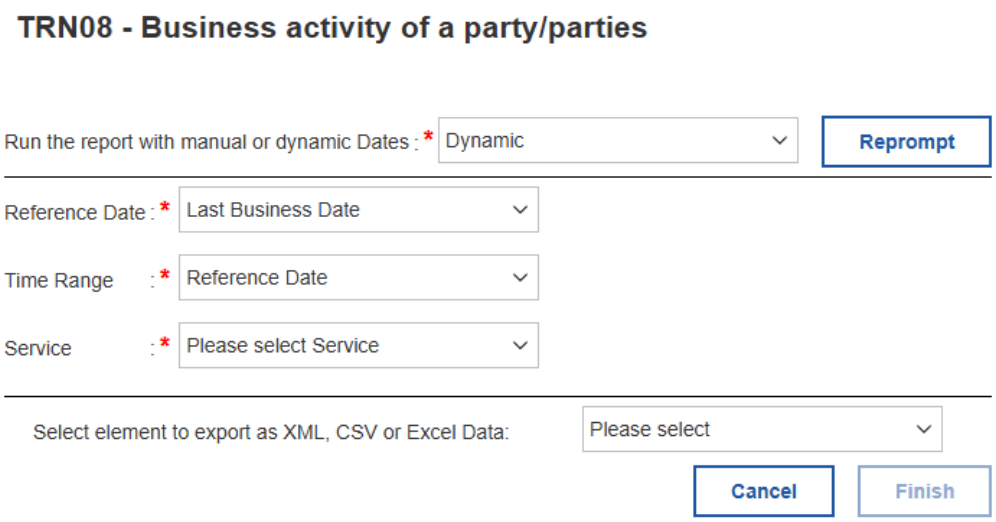



**Figure 365: TRN08 prompt - Dynamic**

## Prompt description

| TRN08 – Report description – prompt screen - Manual | |
|---|---|
| **Field label** | **Description** |
| Service Type | You can use this drop-down field to select between the services<br>Possible values:<br>- CLM,<br>- RTGS.<br>This field is mandatory. |

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| | |
|---|---|
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data.<br>For valid report results, the current day cannot be selected.<br>This field is ~~optional~~ mandatory.**{CR-187}** |
| Select element to export as XML, CSV or Excel Data | - Cash transfer orders debited<br>- Cash transfer orders credited<br>- Cash transfer orders sent<br>- Cash transfer orders received<br>This field is optional. |

**Table 133: TRN08 - Prompt description - Manual**

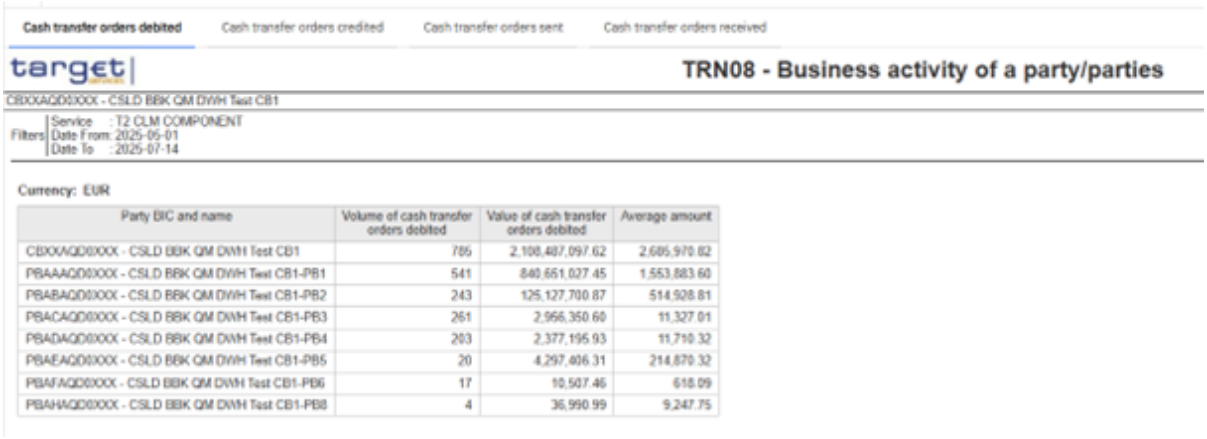
| **TRN08 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Day<br>- Prior Last Business Day<br>The system will automatically calculate the end of the date range based upon the date at the time of execution. |
| Time Range | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution. |
| Service | You can use this drop-down field to select between the services<br>Possible values:<br>- CLM,<br>- RTGS.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Cash transfer orders debited<br>- Cash transfer orders credited<br>- Cash transfer orders sent<br>- Cash transfer orders received |

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| | |
|---|---|
| | This field is optional. |

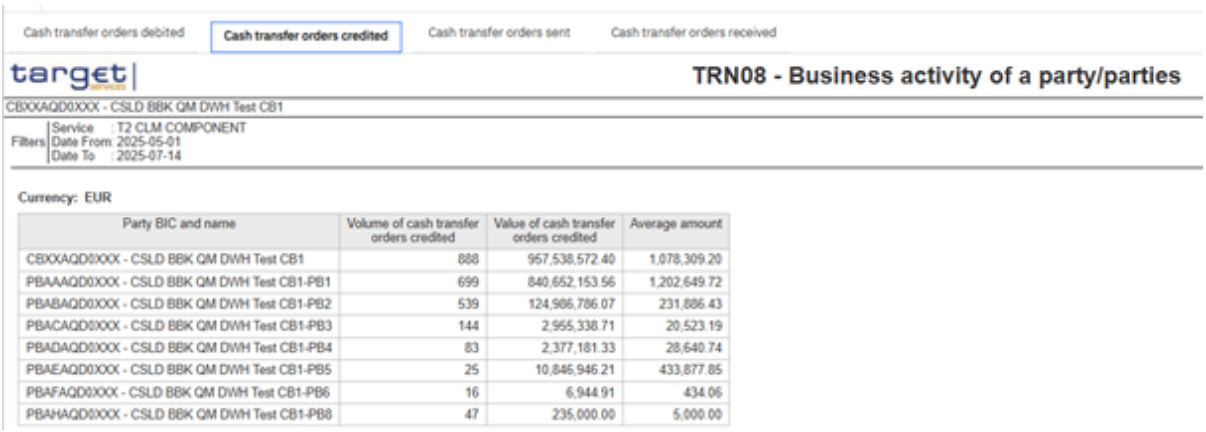
**Table 134: TRN08 - Prompt description - Dynamic**

## Screenshot - output screen



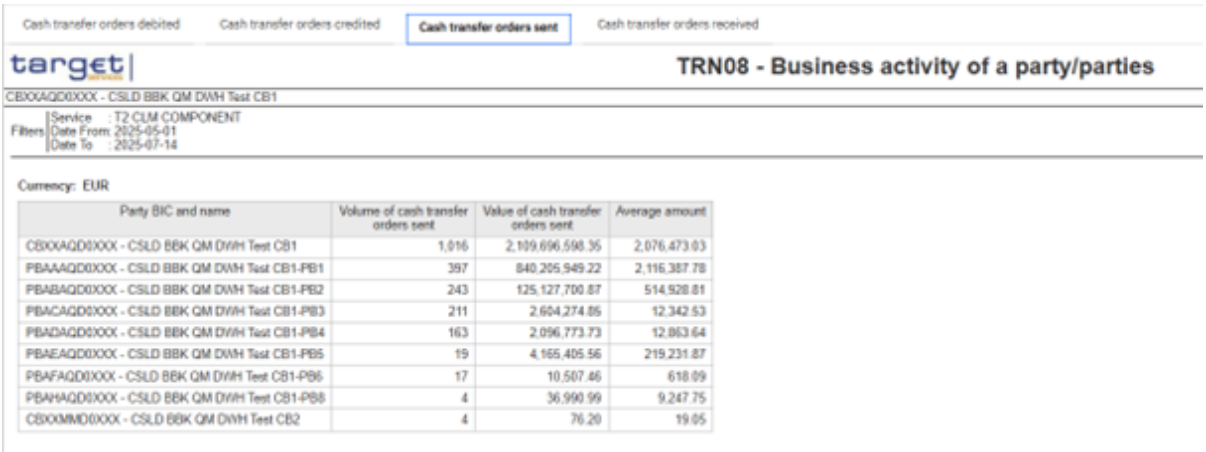

| Party BIC and name | Volume of cash transfer orders debited | Value of cash transfer orders debited | Average amount |
|---|---|---|---|
| CBXXAQD0XXX - CSLD BBK QM DWH Test CB1 | 785 | 2,108,487,097.62 | 2,685,970.82 |
| PBAAAQD0XXX - CSLD BBK QM DWH Test CB1-PB1 | 541 | 840,651,027.45 | 1,553,883.60 |
| PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2 | 243 | 125,127,700.87 | 514,928.81 |
| PBACAQD0XXX - CSLD BBK QM DWH Test CB1-PB3 | 261 | 2,956,350.60 | 11,327.01 |
| PBADAQD0XXX - CSLD BBK QM DWH Test CB1-PB4 | 203 | 2,377,195.93 | 11,710.32 |
| PBAEAQD0XXX - CSLD BBK QM DWH Test CB1-PB5 | 20 | 4,297,406.31 | 214,870.32 |
| PBAFAQD0XXX - CSLD BBK QM DWH Test CB1-PB6 | 17 | 10,507.46 | 618.09 |
| PBAHAQD0XXX - CSLD BBK QM DWH Test CB1-PB8 | 4 | 36,990.99 | 9,247.75 |

**Figure 366: TRN08 output – Cash transfer orders debited**




| Party BIC and name | Volume of cash transfer orders credited | Value of cash transfer orders credited | Average amount |
|---|---|---|---|
| CBXXAQD0XXX - CSLD BBK QM DWH Test CB1 | 888 | 957,538,572.40 | 1,078,309.20 |
| PBAAAQD0XXX - CSLD BBK QM DWH Test CB1-PB1 | 699 | 840,652,153.56 | 1,202,649.72 |
| PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2 | 539 | 124,986,786.07 | 231,886.43 |
| PBACAQD0XXX - CSLD BBK QM DWH Test CB1-PB3 | 144 | 2,955,338.71 | 20,523.19 |
| PBADAQD0XXX - CSLD BBK QM DWH Test CB1-PB4 | 83 | 2,377,181.33 | 28,640.74 |
| PBAEAQD0XXX - CSLD BBK QM DWH Test CB1-PB5 | 25 | 10,846,946.21 | 433,877.85 |
| PBAFAQD0XXX - CSLD BBK QM DWH Test CB1-PB6 | 16 | 6,944.91 | 434.06 |
| PBAHAQD0XXX - CSLD BBK QM DWH Test CB1-PB8 | 47 | 235,000.00 | 5,000.00 |

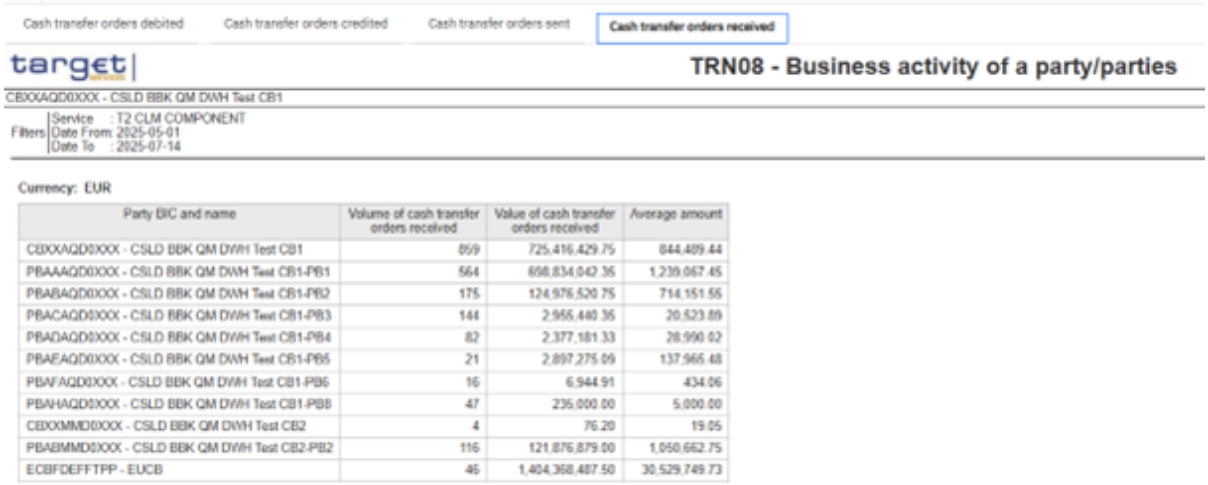
**Figure 367: TRN08 output – Cash transfer orders credited**




| Party BIC and name | Volume of cash transfer orders sent | Value of cash transfer orders sent | Average amount |
|---|---|---|---|
| CBXXAQD0XXX - CSLD BBK QM DWH Test CB1 | 1,016 | 2,109,696,598.35 | 2,076,473.03 |
| PBAAAQD0XXX - CSLD BBK QM DWH Test CB1-PB1 | 397 | 840,205,949.22 | 2,116,387.78 |
| PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2 | 243 | 125,127,700.87 | 514,928.81 |
| PBACAQD0XXX - CSLD BBK QM DWH Test CB1-PB3 | 211 | 2,604,274.85 | 12,342.53 |
| PBADAQD0XXX - CSLD BBK QM DWH Test CB1-PB4 | 163 | 2,096,773.73 | 12,863.64 |
| PBAEAQD0XXX - CSLD BBK QM DWH Test CB1-PB5 | 19 | 4,165,405.56 | 219,231.87 |
| PBAFAQD0XXX - CSLD BBK QM DWH Test CB1-PB6 | 17 | 10,507.46 | 618.09 |
| PBAHAQD0XXX - CSLD BBK QM DWH Test CB1-PB8 | 4 | 36,990.99 | 9,247.75 |
| CBXXMMD0XXX - CSLD BBK QM DWH Test CB2 | 4 | 76.20 | 19.05 |

**Figure 368: TRN08 output – Cash transfer orders sent**

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Cash transfer orders debited | Cash transfer orders credited | Cash transfer orders sent | Cash transfer orders received

target services

TRN08 - Business activity of a party/parties

CBIXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Service : T2 CLM COMPONENT
Date From: 2025-05-01
Date To : 2025-07-14

Currency: EUR

| Party BIC and name | Volume of cash transfer orders received | Value of cash transfer orders received | Average amount |
|---|---|---|---|
| CBIXAQD0XXX - CSLD BBK QM DWH Test CB1 | 859 | 725,416,429.75 | 844,489.44 |
| PBAAAQD0XXX - CSLD BBK QM DWH Test CB1-PB1 | 564 | 668,834,642.36 | 1,239,067.45 |
| PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2 | 175 | 124,976,520.75 | 714,151.55 |
| PBACAQD0XXX - CSLD BBK QM DWH Test CB1-PB3 | 144 | 2,955,440.36 | 20,523.89 |
| PBADAQD0XXX - CSLD BBK QM DWH Test CB1-PB4 | 82 | 2,377,181.33 | 28,990.02 |
| PBAEAQD0XXX - CSLD BBK QM DWH Test CB1-PB5 | 21 | 2,897,275.09 | 137,965.48 |
| PBAFAQD0XXX - CSLD BBK QM DWH Test CB1-PB6 | 16 | 6,944.91 | 434.06 |
| PBAHAQD0XXX - CSLD BBK QM DWH Test CB1-PB8 | 47 | 235,000.00 | 5,000.00 |
| CBIXMMD0XXX - CSLD BBK QM DWH Test CB2 | 4 | 76.20 | 19.05 |
| PBABMMD0XXX - CSLD BBK QM DWH Test CB2-PB2 | 116 | 121,876,879.00 | 1,050,662.75 |
| ECBFDEFFTPP - EUCB | 46 | 1,404,368,487.50 | 30,529,749.73 |

**Figure 369: TRN08 output – Cash transfer orders received**

### Output description

| **TRN08 – Report description – output screen** | |
|---|---|
| **Field Label** | **Description** |
| Following information is available for:<br>“Cash transfer orders debited”, “Cash transfer orders credited”, “Cash transfer orders sent”, “Cash transfer orders received” | |
| Party BIC and name | The party BIC and party short name of the user are shown.<br>Sorting is done by party BIC. |
| Volume of cash transfer orders debited/credited/ sent/received | Number of cash transfer orders for this party of final status within the regarded date / date range. |
| Value of cash transfer orders debited/credited/ sent/received | Total amount of all cash transfer orders for this party of final status within the regarded date / date range. |
| Average amount | Average calculated from previous fields of the row (value divided by volume). |

**Table 135: TRN08 - Output description**

## 5.14.9 TRN09 - RTGS Account Holder activity

### Context of usage

The report TRN09 provides information on the biannually activity of RTGS Account Holders. It displays for the selected account holder(s) the total volume and value of cash transfer orders per transaction category, per message type and differentiated per settlement status within the first or second half of a year. In case

that several accounts belong to the same party, each account is displayed separately. In case that a CB executes the report for ALL RTGS Account Holders belonging to its system entity, the market share per RTGS Account Holder in terms of volume of cash transfers in relation to the volume of all cash transfers of RTGS Account Holders belonging to the CBs system entity is added to the report.

CBs can retrieve information for Account Holders belonging to their system entity.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN09]

**Screenshot - prompt screen**

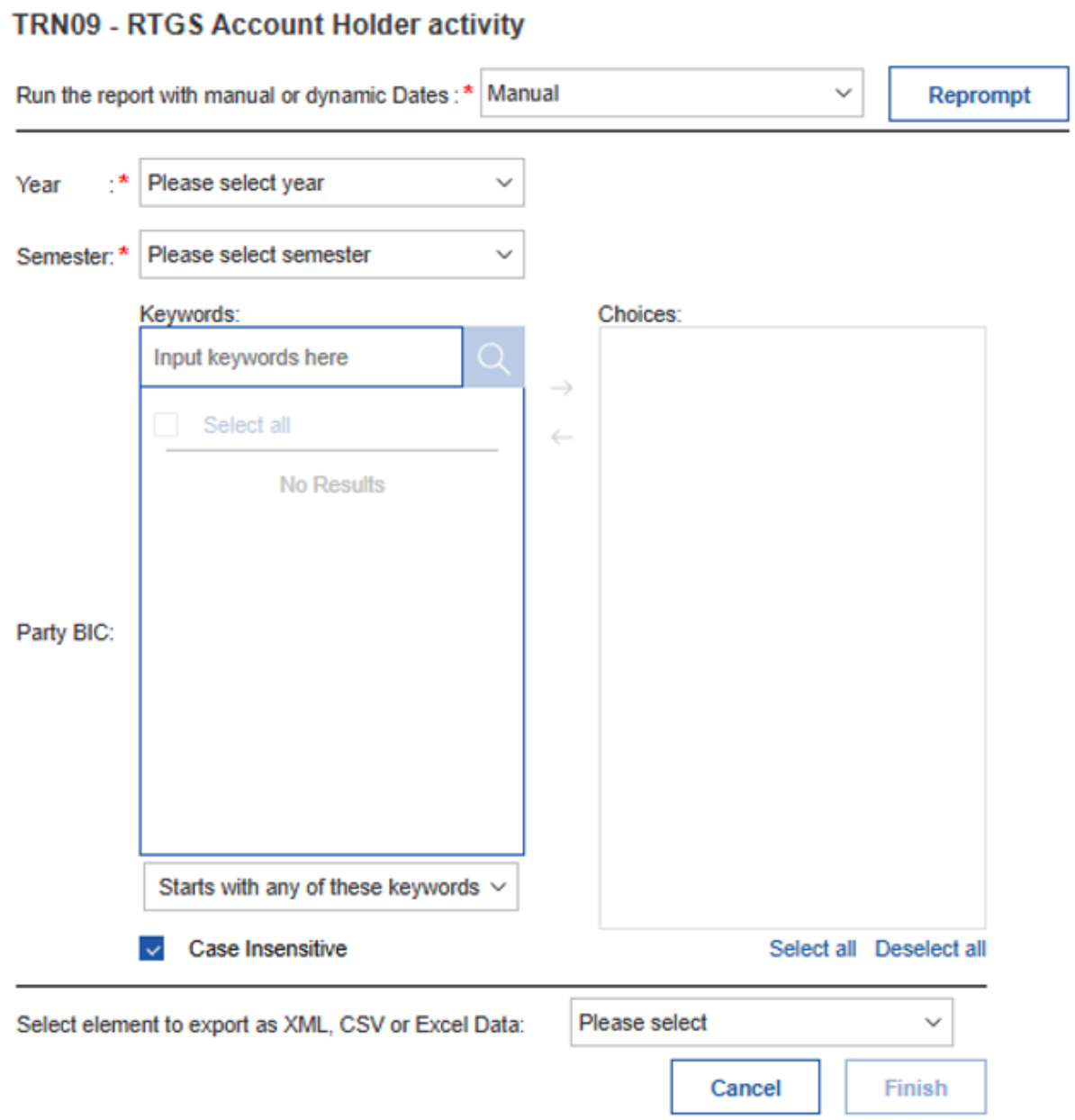



**Figure 370: TRN09 prompt – Manual**

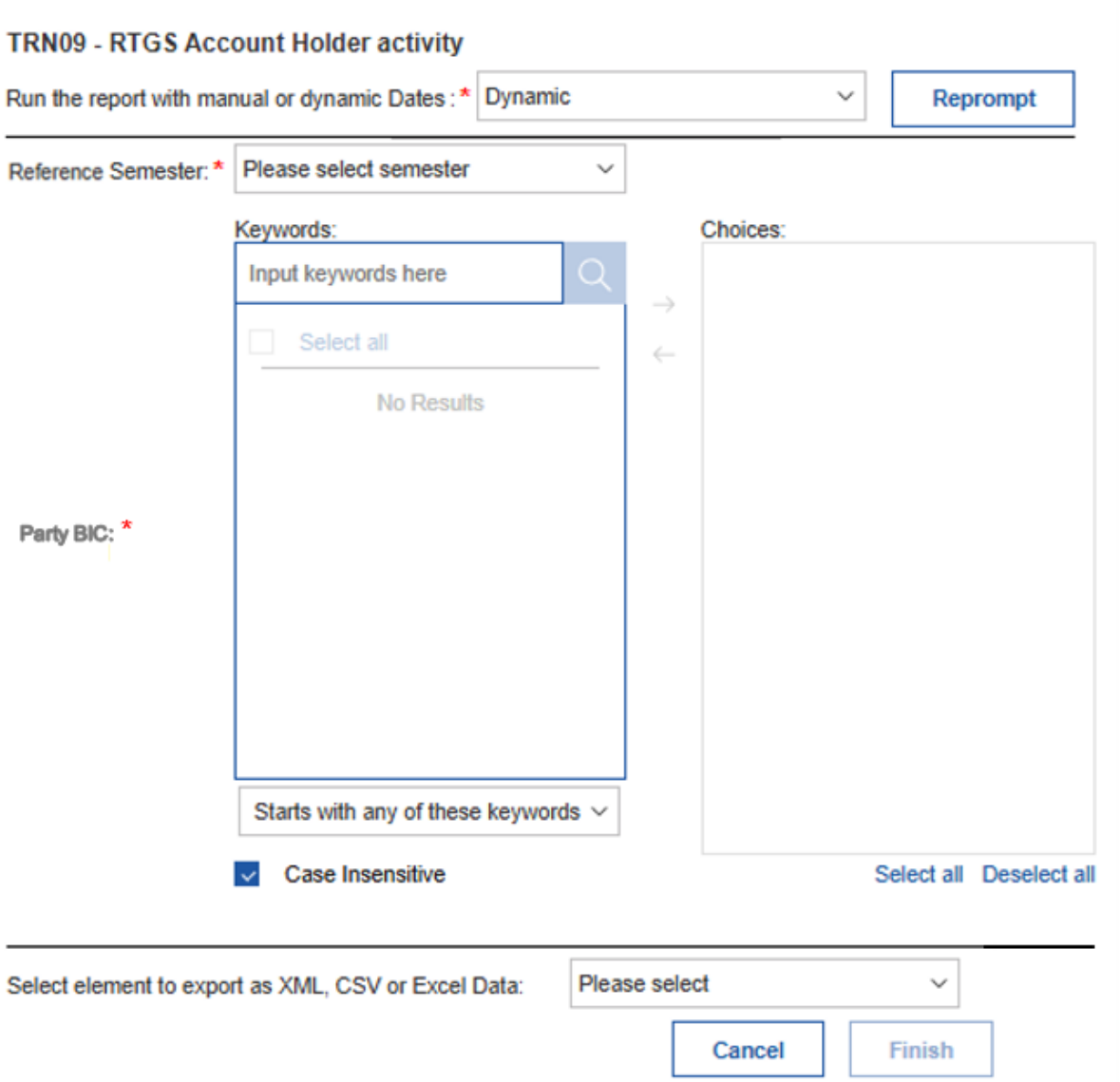



**Figure 371: TRN09 prompt – Dynamic**

## Prompt description

| TRN09 – Report description – prompt screen – Manual | |
|---|---|
| **Field label** | **Description** |
| Semester | You can use this drop-down field to select a semester.<br>Possible Values:<br>- 1st ~~s~~Semester (representing 01.01. – 30.06.)<br>- 2nd ~~s~~Semester(representing 01.07. – 31.12.)**{CR-187}**<br>This field is mandatory. |

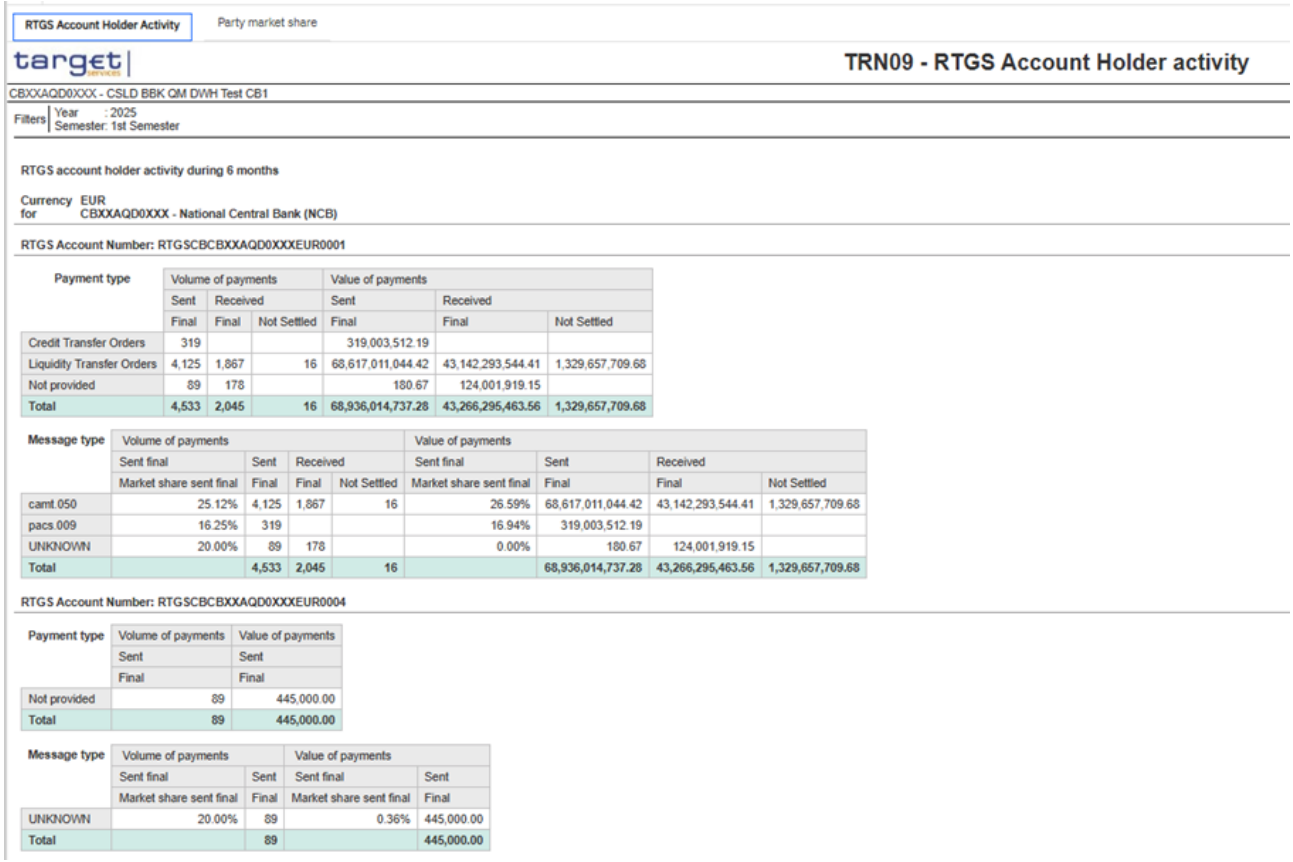
| | |
|---|---|
| Year | You can use this drop-down field to select the year, for which the report should contain the data.<br>This field is mandatory. |
| Party BIC | You can use this field to select one, several or all party BICs. This field will show all related BICs, which belong to the party.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Payment type<br>- Message type<br>- Party market share<br>This field is optional. |

**Table 136: TRN09 - Prompt description – Manual**

| **TRN09– Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Reference Semester | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Current Semester<br>- Last Semester<br>The system will automatically calculate the reporting date range based upon the date at the time of execution. |
| Party BIC | You can use this field to select one, several or all party BICs. This field will show all related BICs, which belong to the party.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Payment type<br>- Message type<br>- Party market share<br>This field is optional. |

**Table 137: TRN09 - Prompt description - Dynamic**

## Screenshot - output screen



RTGS Account Holder Activity | Party market share

target services

TRN09 - RTGS Account Holder activity

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Year : 2025
Semester: 1st Semester

RTGS account holder activity during 6 months

Currency EUR
for CBXXAQD0XXX - National Central Bank (NCB)

RTGS Account Number: RTGSCBCBXXAQD0XXXEUR0001

| Payment type | Volume of payments | | | Value of payments | | |
|---|---|---|---|---|---|---|
| | Sent | Received | | Sent | Received | |
| | Final | Final | Not Settled | Final | Final | Not Settled |
| Credit Transfer Orders | 319 | | | 319,003,512.19 | | |
| Liquidity Transfer Orders | 4,125 | 1,867 | 16 | 68,617,011,044.42 | 43,142,293,544.41 | 1,329,657,709.68 |
| Not provided | 89 | 178 | | 180.67 | 124,001,919.15 | |
| Total | 4,533 | 2,045 | 16 | 68,936,014,737.28 | 43,266,295,463.56 | 1,329,657,709.68 |

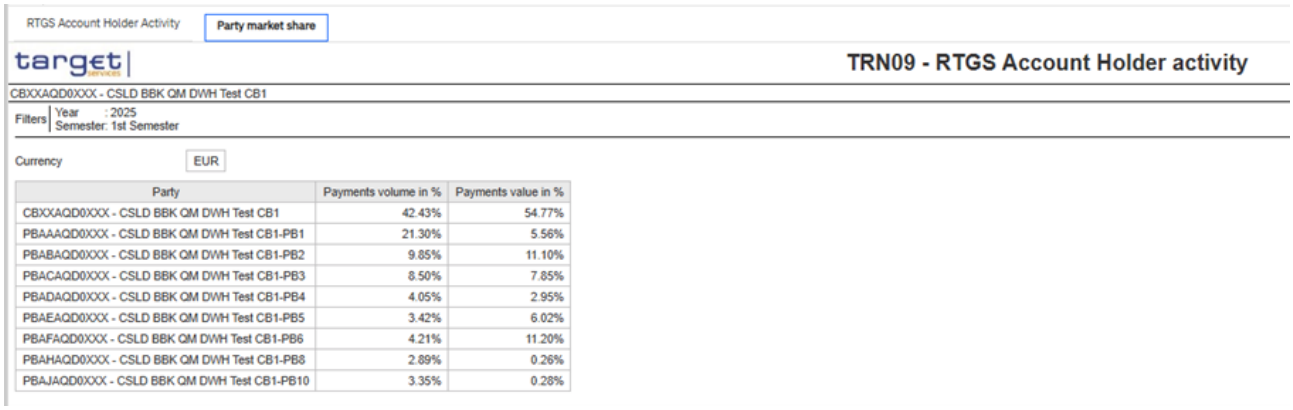
| Message type | Volume of payments | | | | Value of payments | | | |
|---|---|---|---|---|---|---|---|---|
| | Sent final | Sent | Received | | Sent final | Sent | Received | |
| | Market share sent final | Final | Final | Not Settled | Market share sent final | Final | Final | Not Settled |
| camt.050 | 25.12% | 4,125 | 1,867 | 16 | 26.59% | 68,617,011,044.42 | 43,142,293,544.41 | 1,329,657,709.68 |
| pacs.009 | 16.25% | 319 | | | 16.94% | 319,003,512.19 | | |
| UNKNOWN | 20.00% | 89 | 178 | | 0.00% | 180.67 | 124,001,919.15 | |
| Total | | 4,533 | 2,045 | 16 | | 68,936,014,737.28 | 43,266,295,463.56 | 1,329,657,709.68 |

RTGS Account Number: RTGSCBCBXXAQD0XXXEUR0004

| Payment type | Volume of payments | Value of payments |
|---|---|---|
| | Sent | Sent |
| | Final | Final |
| Not provided | 89 | 445,000.00 |
| Total | 89 | 445,000.00 |

| Message type | Volume of payments | | Value of payments | |
|---|---|---|---|---|
| | Sent final | Sent | Sent final | Sent |
| | Market share sent final | Final | Market share sent final | Final |
| UNKNOWN | 20.00% | 89 | 0.36% | 445,000.00 |
| Total | | 89 | | 445,000.00 |

**Figure 372: TRN09 output (1) – RTGS Account Holder activity View**



RTGS Account Holder Activity | Party market share

target services

TRN09 - RTGS Account Holder activity

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Year : 2025
Semester: 1st Semester

Currency EUR

| Party | Payments volume in % | Payments value in % |
|---|---|---|
| CBXXAQD0XXX - CSLD BBK QM DWH Test CB1 | 42.43% | 54.77% |
| PBAAAQD0XXX - CSLD BBK QM DWH Test CB1-PB1 | 21.30% | 5.56% |
| PBABAQD0XXX - CSLD BBK QM DWH Test CB1-PB2 | 9.85% | 11.10% |
| PBACAQD0XXX - CSLD BBK QM DWH Test CB1-PB3 | 8.50% | 7.85% |
| PBADAQD0XXX - CSLD BBK QM DWH Test CB1-PB4 | 4.05% | 2.95% |
| PBAEAQD0XXX - CSLD BBK QM DWH Test CB1-PB5 | 3.42% | 6.02% |
| PBAFAQD0XXX - CSLD BBK QM DWH Test CB1-PB6 | 4.21% | 11.20% |
| PBAHAQD0XXX - CSLD BBK QM DWH Test CB1-PB8 | 2.89% | 0.26% |
| PBAJAQD0XXX - CSLD BBK QM DWH Test CB1-PB10 | 3.35% | 0.28% |

**Figure 373: TRN09 output (2) – Party Market Share View**

## Output description

| **TRN09 – Report description – output screen**<br>**RTGS Account Holder activity** | |
|---|---|
| **Field label** | **Description** |
| Currency | Shows the ISO currency code |

| | |
|---|---|
| For | Shows the BIC and the name of the party the data is displayed for. |
| RTGS account number | Displays the RTGS account number of the party the data is shown for. |
| Payment type | Payment type.<br>Possible values:<br>- Credit transfer orders<br>- Liquidity transfer orders<br>- Direct debit orders |
| Volume of payments sent | Volume of all payments sent<br>- Final (Settled)<br>- Not settled (Cancelled, rejected)<br>per payment type and total for the chosen semester |
| Volume of payments received | Volume of all payments received<br>Final (Settled)<br>Not settled (Cancelled, rejected)<br>per payment type and total for the chosen semester |
| Value of payments sent | Value of all payments sent<br>- Final (Settled)<br>- Not settled (Cancelled, rejected)<br>per payment type and total for the chosen semester |
| Value of payments received | Value of all payments received<br>- Final (Settled)<br>- Not settled (Cancelled, rejected)<br>per payment type and total for the chosen semester |
| Message type | Message type.<br>Possible values:<br>- camt.050<br>- pacs.004<br>- pacs.008<br>- pacs.009<br>- pacs.010 |
| Volume of payments sent | Volume of all payments sent |

| | |
|---|---|
| | Market share final (in %)<br>- Final (Settled)<br>- Not settled (Cancelled, rejected)<br>per message type and total for the chosen semester |
| Volume of payments received | Volume of all payments received<br>- Final (Settled)<br>- Not settled (Cancelled, rejected)<br>per message type and total for the chosen semester |
| Message type | Message type.<br>Possible values:<br>- camt.050<br>- pacs.004<br>- pacs.008<br>- pacs.009<br>- pacs.010 |
| Value of payments sent | Value of all payments sent<br>Market share final (in %)<br>- Final (Settled)<br>- Not settled (Cancelled, rejected)<br>per message type and total for the chosen semester |
| Value of payments received | Value of all payments received<br>- Final (Settled)<br>- Not settled (Cancelled, rejected)<br>per message type and total for the chosen semester |
| Total | Totals of volumes and values |

**Table 138: TRN09 - Output description**

| **TRN09 – Report description – output Screen – only in case ALL Party BICs were chosen** | |
|---|---|
| **Field label** | **Description** |
| Party | BIC and short name of the party |
| Payments volume in % | Percentage of the party's volume of whole CB's volume (only final payments sent) for the chosen semester |

| | |
|---|---|
| Payments value in % | Percentage of the party's value of whole CB's value (only final payments sent) for the chosen semester |

**Table 139: TRN09 - Output description**

## 5.14.10 TRN10 - Monthly value and volume of cash transfers in CLM/RTGS (according to T2 statistical framework)

**Context of usage**

This report provides information on the monthly volume and value of cash transfers in CLM or RTGS according to the T2 statistical framework, which aims to reflect cash transfers from a business perspective. In this respect, some cash transfers (e.g. any liquidity transfers between two accounts of the same party) are not considered for the volume and value Figures in this report.

Volume and value figures are displayed as monthly totals and daily averages (for each month) and are given for each CB/system entity and in addition as the total sum of all system entities for a given currency.

CBs can retrieve aggregated volume and value information for each CB/system entity as well as the sum of all system entities in CLM/RTGS.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN10]

**Screenshot – prompt**

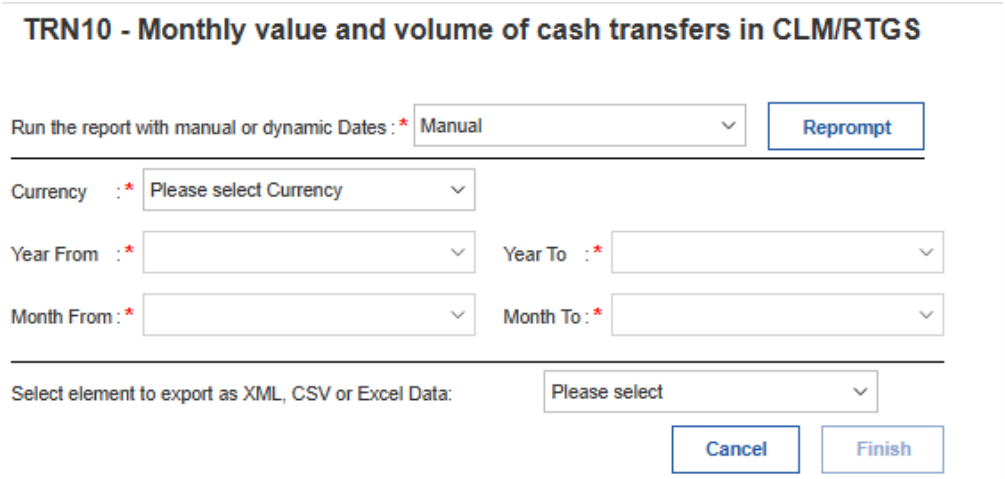



**Figure 374: TRN10 prompt - Manual**

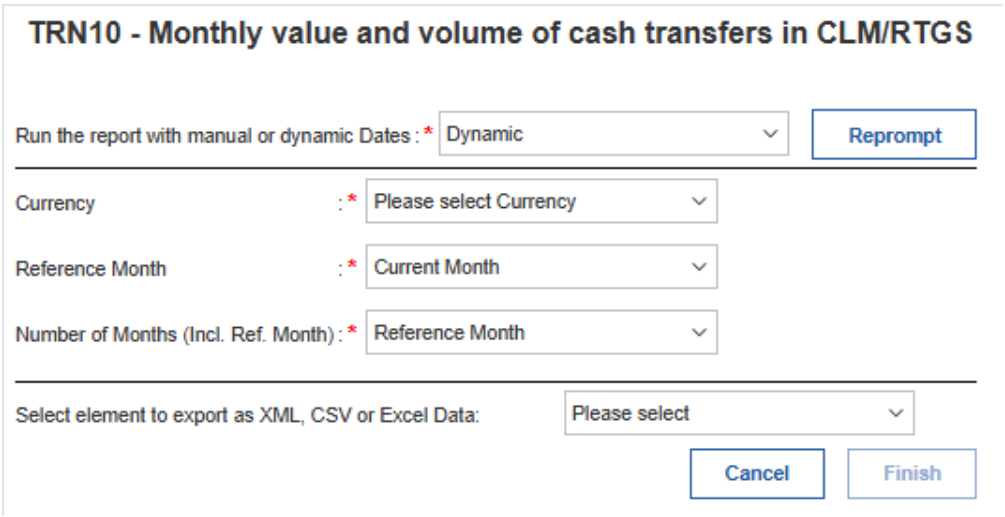



**Figure 375: TRN10 prompt - Dynamic**

## Prompt description

| **TRN10 – Report description – prompt screen - Manual** | |
|---|---|
| **Field label** | **Description** |
| Year From | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Month From | You can use this drop-down field to select the month, from which the report should contain the data.<br>For valid report results, the current month cannot be selected.<br>This field is mandatory. |
| Year To | You can use this drop-down field offers the possibility to select the end year of the period, for which the report should contain the data.<br>This field is mandatory. |
| Month To | You can use this drop-down field to select the end month of the period, for which the report should contain the data.<br>For valid report results, the current month cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select from all valid currencies in CLM/ RTGS.<br>This field is mandatory. |

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| | |
|---|---|
| Select element to export as XML, CSV or Excel Data | ▪ CLM<br>▪ RTGS<br>This field is optional. |

**Table 140: TRN10 - Prompt description - Manual**

| **TRN10 – Report description – prompt screen - Dynamic** | |
|---|---|
| **Field label** | **Description** |
| Currency | You can use this drop-down field to select from all valid currencies in CLM/ RTGS.<br>This field is mandatory. |
| Reference Month | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>▪ Current Month<br>▪ Previous Month<br>This field is mandatory. |
| Number of Months (incl. Ref. Month) | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | ▪ CLM<br>▪ RTGS<br>This field is optional. |

**Table 141: TRN10 - Prompt description - Dynamic**

## Screenshot - output screen

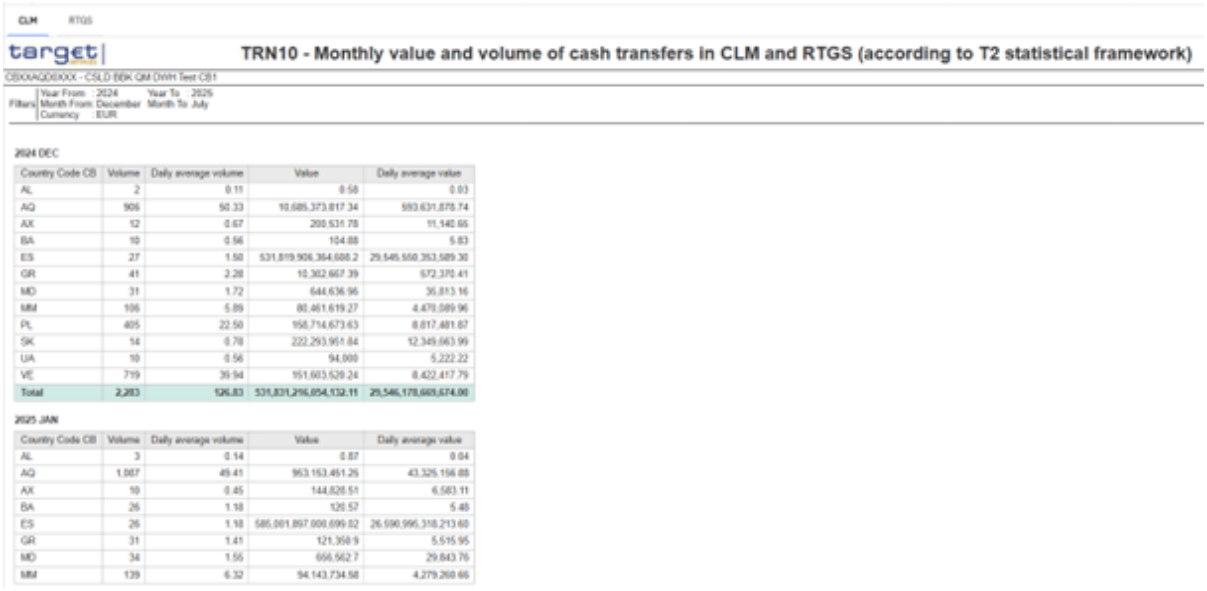



**Figure 376: TRN10 output – CLM**

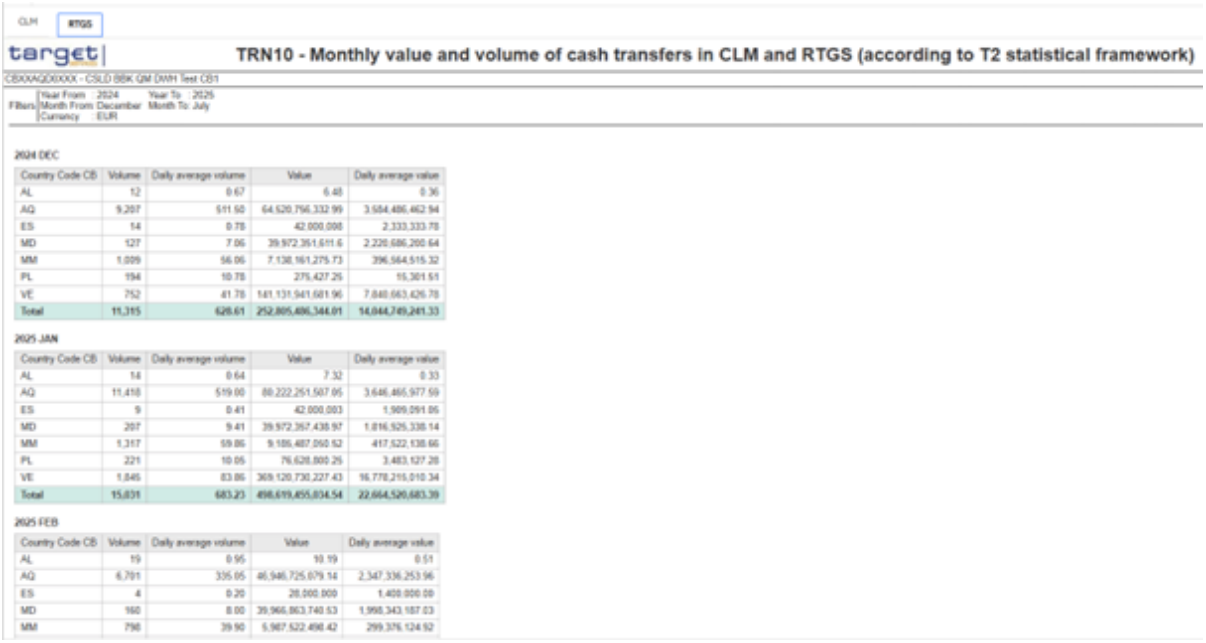



**Figure 377: TRN10 output – RTGS**

## Output description

| **TRN10 – Report description – output screen** | |
|---|---|
| **Field label** | **Description** |
| One table per Service (CLM/RTGS) and month with following data per CB in each table. The table is sorted by month ascending and then within each table by ISO country code. | |

| | |
|---|---|
| Country Code CB | ISO Country Code of the CB |
| Volume | Number of all cash transfers (according to T2 statistical framework) of the CB in the chosen month. |
| Daily average volume | Calculated from the sum of volumes divided by the number of business days for the chosen currency in the chosen month. |
| Value | Sum of the value of all cash transfers (according to T2 statistical framework) of the CB in the chosen month. |
| Daily average value | Calculated from the sum of values divided by the number of business days for the chosen currency in the chosen month. |
| Total | Total of volumes and values listed in the preceding rows over all CBs. |

**Table 142: TRN10 - Output description**

### 5.14.11 TRN11 - Monthly value and volume of cash transfers between system entities

**Context of usage**

The report TRN11 provides information on the monthly volume and value of cash transfers in CLM and RTGS between all accounts belonging to the system entities/CBs active in a selected currency. The Figures for the bilateral payment flows between all accounts of system entities/CBs which are differentiated by Euro area and by EU CBs are dis-played as totals.

CBs can retrieve aggregated volume and value information for each bi-lateral CB/system entity relationship.

This report can be used by CB users only.

**Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN11]

**Screenshot – prompt**

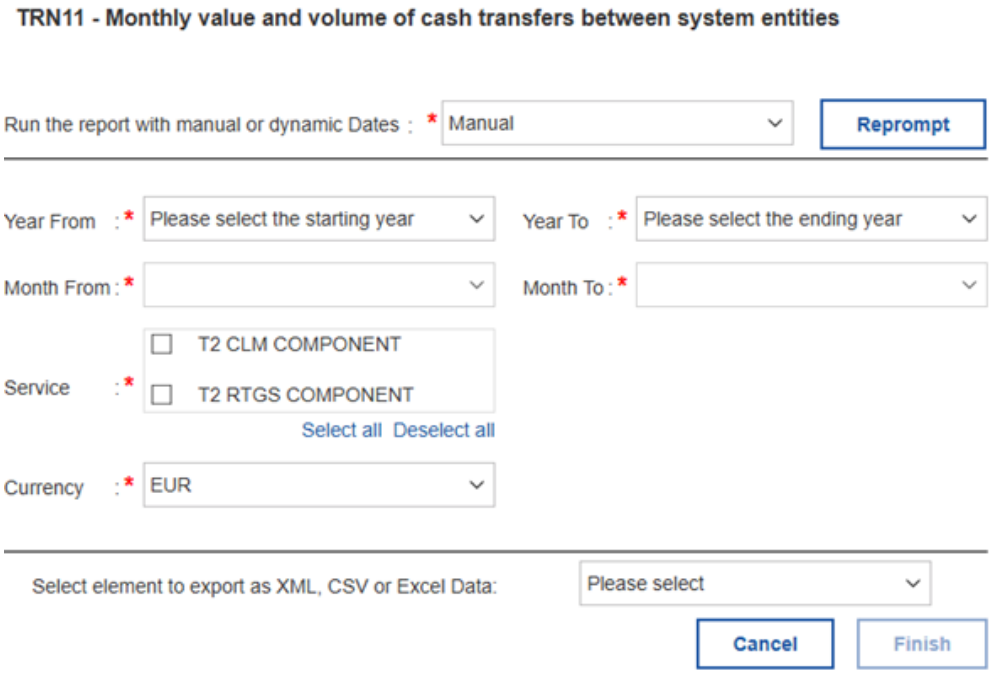



**Figure 378: TRN11 prompt - Manual**

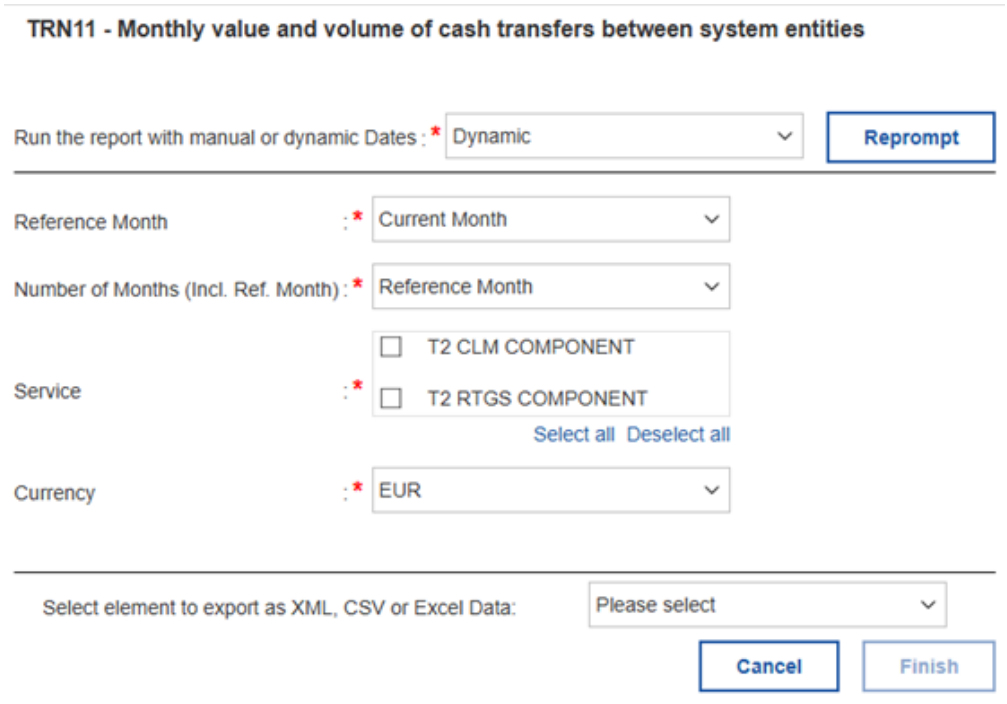



**Figure 379: TRN11 prompt - Dynamic**

## Prompt description

**TRN11 – Report description – prompt screen - Manual**

| Field label | Description |
|---|---|
| Year from | You can use this drop-down field to select the year, from which the report should contain the data.<br>This field is mandatory. |
| Month from | You can use this drop-down field to select the month, from which the report should contain the data.<br>For valid report results, the current month cannot be selected.<br>This field is mandatory. |
| Year to | You can use this drop-down field to select the end year of the period, for which the report should contain the data.<br>This field is mandatory |
| Month to | You can use this drop-down field to select the end month of the period, for which the report should contain the data.<br>For valid report results, the current month cannot be selected.<br>This field is mandatory. |
| Service | You can use this drop-down field to select a Service.<br>Possible values:<br>- CLM<br>- RTGS<br>- CLM + RTGS<br>This field is mandatory. |
| Currency | You can use this drop-down field to select from all valid currencies in CLM/ RTGS.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Overall volume (Euro area)<br>- Overall volume (non-Euro area)<br>- Overall value (Euro area)<br>- Overall value (non-Euro area)<br>This field is optional. |

**Table 143: TRN11 - Prompt description - Manual**

| TRN11 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |

| | |
|---|---|
| Reference Month | Indicates the end-point of the date range for which the dynamic report should contain data.<br>Valid values:<br>- Current Month<br>- Previous Month<br>This field is mandatory. |
| Number of Months (incl. Ref. Month) | Indicates the start-point of the date range for which the dynamic report should contain data.<br>The system will automatically calculate the start of the date range based upon the date at the time of execution.<br>This field is mandatory. |
| Service | You can use this drop-down field to select a Service.<br>Possible values:<br>- CLM<br>- RTGS<br>- CLM + RTGS<br>This field is mandatory. |
| Currency | You can use this drop-down field to select from all valid currencies in CLM/ RTGS.<br>This field is mandatory. |
| Select element to export as XML, CSV or Excel Data | - Overall volume (Euro area)<br>- Overall volume (non-Euro area)<br>- Overall value (Euro area)<br>- Overall value (non-Euro area)<br>This field is optional. |

**Table 144: TRN11 - Prompt description - Dynamic**

## Screenshot - output screen

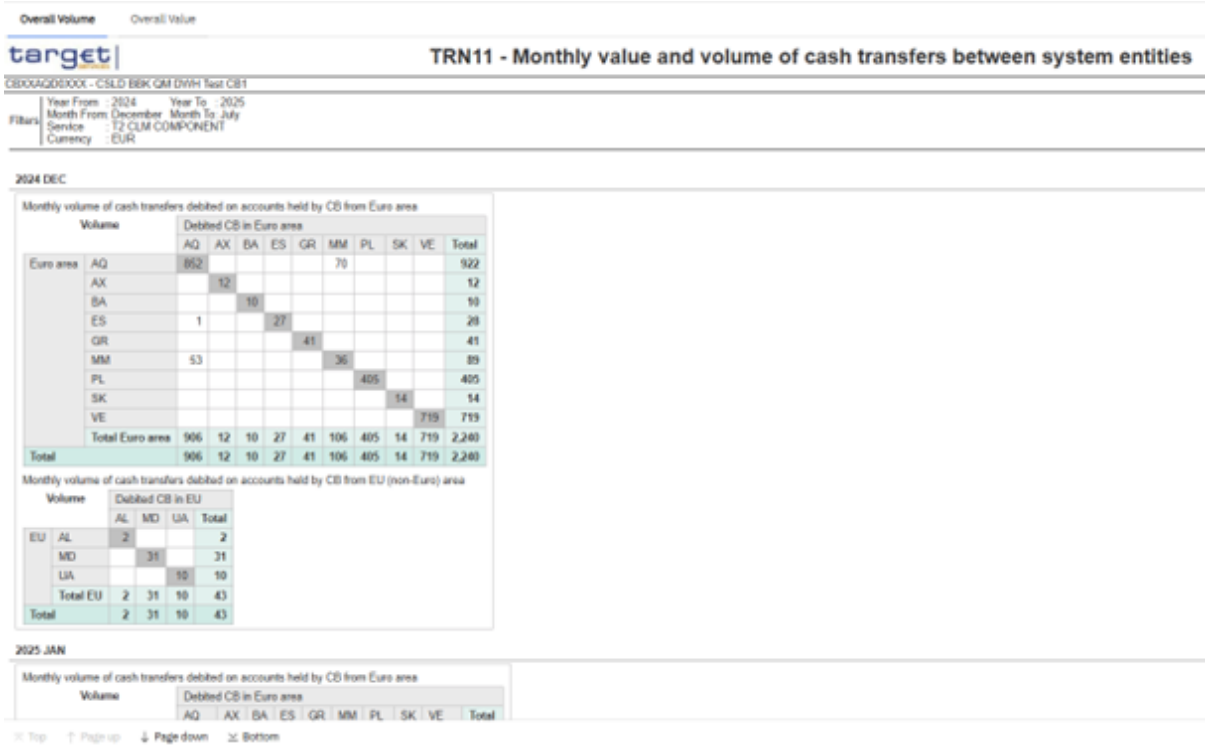



**Figure 380: TRN11 output – Overall volume**

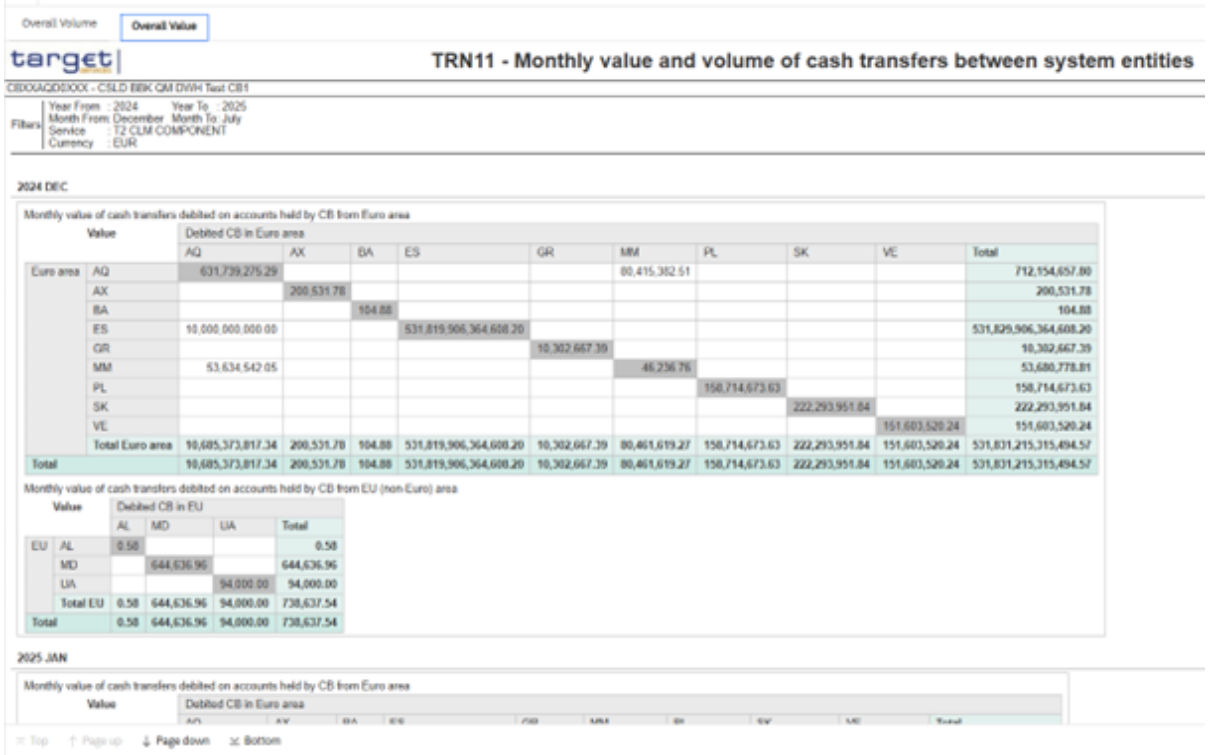



**Figure 381: TRN11 output – Overall Value**

**TRN11 – Report description – output screen – table overall volume**

| Field label | Description |
|---|---|
| Only cash transfers are selected for this report according to T2 statistical framework.<br>Oneblock for each month with two tables. | |
| Table “Cash transfers debited on accounts held by CB from Euro area”. The tables are sorted by month and within each table by “Euro area”. | |
| Columns “Euro area” | Each column contains one ISO country code. All EUR-countries are listed.<br>The tables are sorted by month and within each table by this column. |
| Rows “Euro area” | Each row contains one ISO country code. All EUR-countries are listed. |
| None | Every cell in the matrix is filled with the daily average volume of cash transfers, where the accounts held by the CB represented by the country code in each column were debited and where the accounts held by the CB represented by the country code in each row were credited.<br>Cells, where both the country code in the column header and the country code in the row header are the same are shaded light grey. |
| Total | In the cells of this column, all values from the respective row are added up. |
| Total Euro-area | In the cells of this row, all values from the respective columns are added up. |
| Rows “EU/non-Euro area” | Each row contains one ISO country code. All EU-countries (non Euro-area) are listed. |
| None | Every cell in the matrix is filled with the daily average volume of cash transfers, where the accounts held by the CB represented by the country code in each column were debited and where the accounts held by the CB represented by the country code in each row were credited. |
| Column “Total” | In the cells of this column, all values from the respective row are added up. |
| Row “Total EU/non-Euro area | In the cells of this row, all values from the respective columns are added up. |
| Row over all columns “Total” | In the cells of this row, all values from “Total Euro area” and “Total EU area” of the respective columns are added up. |
| Table “ Cash transfers debited on accounts held by CB from EU (non-Euro) area” | |
| Columns “EU/non-Euro area” | Each row contains one ISO country code. All EU-countries (non Euro area) are listed |
| Rows “Euro area” | Each row contains one ISO country code. All Euro-countries are listed. |

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| | |
|---|---|
| None | Every cell in the matrix is filled with the daily average volume of cash transfers, where the accounts held by the CB represented by the country code in each column were debited and where the accounts held by the CB represented by the country code in each row were credited. |
| Column header “Total” | In the cells of this column, all values from the respective row are added up. |
| Row header “Total Euro-area” | In the cells of this row, all values from the respective columns are added up. |
| Rows “EU/non-Euro area” | Each row contains one ISO country code. All EU-countries (non Euro-area) are listed. |
| None | Every cell in the matrix is filled with the daily average volume of cash transfers, where the accounts held by the CB represented by the country code in each column were debited and where the accounts held by the CB represented by the country code in each row were credited.<br>Cells, where both the country code in the column header and the country code in the row header are the same are shaded light grey. |
| Column “Total” | In the cells of this column, all values from the respective row are added up. |
| Row “Total EU area” | In the cells of this row, all values from the respective columns are added up. |
| Row over all columns “Total” | In the cells of this row, all values from “Total Euro area” and “Total EU area” of the respective columns are added up. |

**Table 145: TRN11 - Output description - Table overall volume**

| **TRN11 – Report description – output screen – table overall value** |
|---|
| This table has the same structure as the previous table (Overall Volume) with the difference that here the daily average values are displayed. |

**Table 146: TRN11 - Output description - Table overall value**

## 5.14.12 TRN12 - pacs.008 messages with technical rejection/failures at RTGS level {CR-166}

**Context of usage**

This report is intended to provide a list of messages for comparison with the aggregate volume of A2A messages ‘Rejected due to technical reasons' in existing predefined report BPM04.

Due to this requirement, this report exclusively provides invalid A2A pacs.008 messages with technical rejection or failures at RTGS level.

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The main characteristics used for identification are the message type and the error codes related to failures / technical rejection supplied by RTGS to the DWH. Rejected messages by definition do not initiate a cash transfer, thus no cash transfer details can be provided.

Like other BPM reports the BPM04 report provides the aggregated volumes by grouping around RTGS DCA and RTGS Central Bank Accounts. For the BPM04 predefined report an invalid pacs.008 message is only aggregated if an RTGS account can be derived directly from the instructing BIC.

As the aim of the new TRN12 predefined report is to provide all invalid A2A pacs.008 messages in the data scope of the user, the number of rows in the result set of the TRN12 predefined report can be higher than the aggregated volume of message reported by BPM04.

## Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Reports] >> [TRN12]

## Screenshot – prompt - Manual

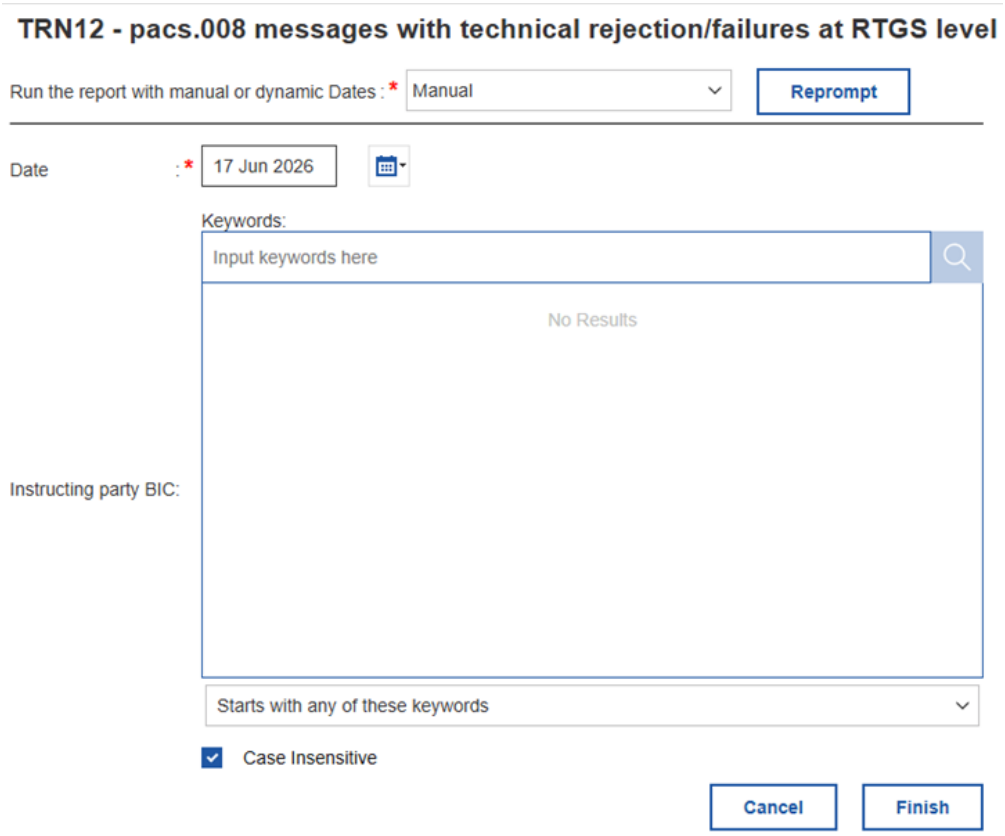



**Figure 382: TRN12 prompt - Manual {CR-166}**

## Prompt description – Manual

| TRN12 – Report description – prompt screen - Manual |
|---|

| Field label | Description |
|---|---|
| Date | You can use this field to select the business date for which the rejected messages are to be displayed.<br>This field is mandatory. |
| Instructing party BIC | You can use this drop-down field to select the BIC of the instructing party.<br>The possible values are built from the parties within the user´s data scope<br>This field is optional |

**Table 147: TRN12 – Prompt description – Manual** {CR-166}

## Screenshot – prompt – Dynamic

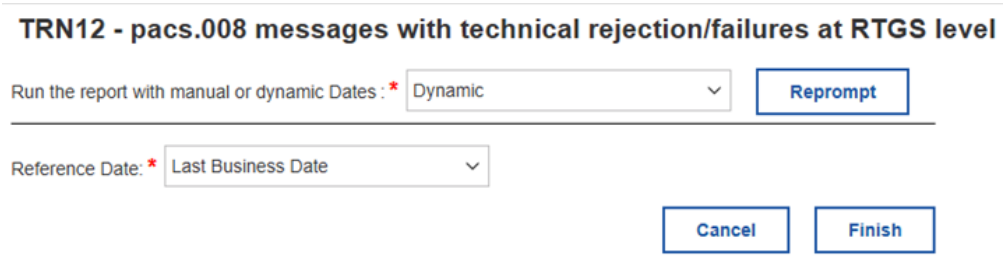


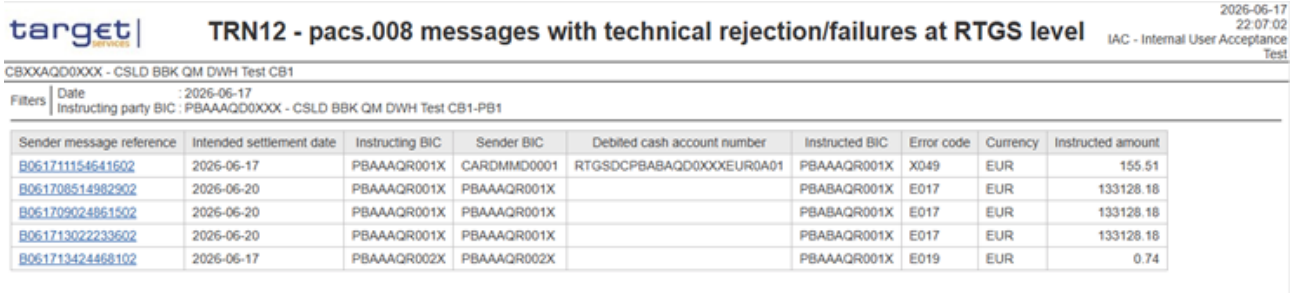

**Figure 383: TRN12 prompt – Dynamic** {CR-166}

## Prompt description – Dynamic

| TRN12 – Report description – prompt screen - Dynamic | |
|---|---|
| **Field label** | **Description** |
| Reference Date | Indicates the business date for which the dynamic report should contain data.<br>Valid values:<br>- Last Business Date<br>- Prior Last Business Date<br>The system will automatically calculate the date based upon the date at the time of execution.<br>This field is mandatory. |

**Table 148: TRN12 – Prompt description – Dynamic** {CR-166}

## Screenshot - output screen



target services

TRN12 - pacs.008 messages with technical rejection/failures at RTGS level

2026-06-17
22:07:02
IAC - Internal User Acceptance Test

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

Filters | Date : 2026-06-17
Instructing party BIC : PBAAAQD0XXX - CSLD BBK QM DWH Test CB1-PB1

| Sender message reference | Intended settlement date | Instructing BIC | Sender BIC | Debited cash account number | Instructed BIC | Error code | Currency | Instructed amount |
|---|---|---|---|---|---|---|---|---|
| B061711154641602 | 2026-06-17 | PBAAAQR001X | CARDMMD0001 | RTGSDCPBABAQD0XXXEUR0A01 | PBAAAQR001X | X049 | EUR | 155.51 |
| B061708514982902 | 2026-06-20 | PBAAAQR001X | PBAAAQR001X | | PBABAQR001X | E017 | EUR | 133128.18 |
| B061709024861502 | 2026-06-20 | PBAAAQR001X | PBAAAQR001X | | PBABAQR001X | E017 | EUR | 133128.18 |
| B061713022233602 | 2026-06-20 | PBAAAQR001X | PBAAAQR001X | | PBABAQR001X | E017 | EUR | 133128.18 |
| B061713424468102 | 2026-06-17 | PBAAAQR002X | PBAAAQR002X | | PBAAAQR001X | E019 | EUR | 0.74 |

**Figure 384: TRN12 output (2) - list** **{CR-166}**



target services

TRN12 - pacs.008 messages with technical rejection/failures at RTGS level - details

2026-06-17
22:20:02
IAC - Internal User Acceptance Test

CBXXAQD0XXX - CSLD BBK QM DWH Test CB1

**Message detail**

| | |
|---|---|
| **Business date** | 2026-06-17 |
| Entry timestamp | 2026-06-17 07:51:50 |
| Intended settlement date | 2026-06-20 |
| Instructing BIC | PBAAAQR001X |
| Debited cash account number | |
| Instructed BIC | PBABAQR001X |
| Error code | E017 |
| Currency | EUR |
| Instructed amount | 133128.18 |
| Message in XML-Format | <AppHdr xmlns="urn:iso:std:iso:20022:tech:xsd:head.001.001.04" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:iso:std:iso:20022:tech:xsd:head.001.001.04 RTGS_head_001_001_04_20250701.xsd"><Fr><FIId><FinInstnId><BICFI>PBAAAQR001X</BICFI><ClrSysMmbId><ClrSysId><Prtry>RTGS</Prtry></ClrSysId><MmbId>SUR1-pbaaaqd0xxx</MmbId></ClrSysMmbId></FinInstnId></FIId></Fr><To><FIId><FinInstnId><BICFI>PBABAQR001X</BICFI></FinInstnId></FIId></To><BizMsgIdr>B061708514982902</BizMsgIdr><MsgDefIdr>pacs.008.001.08</MsgDefIdr><CreDt>2026-06-17T08:51:50Z</CreDt></AppHdr><Document xmlns="urn:iso:std:iso:20022:tech:xsd:pacs.008.001.08" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:iso:std:iso:20022:tech:xsd:pacs.008.001.08 RTGS_pacs_008_001_08_20260218.xsd"><FIToFICstmrCdtTrf><GrpHdr><MsgId>NONREF</MsgId><CreDtTm>2026-06-17T08:51:50+01:00</CreDtTm><NbOfTxs>1</NbOfTxs><SttlmInf><SttlmMtd>CLRG</SttlmMtd><ClrSys><Cd>TGT</Cd></ClrSys></SttlmInf></GrpHdr><CdtTrfTxInf><PmtId><InstrId>B061708514982903</InstrId><EndToEndId>E061708514982902</EndToEndId><UETR>fcc66f91-f874-4ab2-955c-896e020f7a98</UETR></PmtId><IntrBkSttlmAmt Ccy="EUR">133128.18</IntrBkSttlmAmt><IntrBkSttlmDt>2026-06-20</IntrBkSttlmDt><SttlmPrty>HIGH</SttlmPrty><InstdAmt Ccy="EUR">133128.18</InstdAmt><ChrgBr>SHAR</ChrgBr><InstgAgt><FinInstnId><BICFI>PBAAAQR001X</BICFI></FinInstnId></InstgAgt><InstdAgt><FinInstnId><BICFI>PBABAQR001X</BICFI></FinInstnId></InstdAgt><Dbtr><Id><OrgId><AnyBIC>PBAAAQR001X</AnyBIC></OrgId></Id></Dbtr><DbtrAgt><FinInstnId><BICFI>PBAAAQD0XXX</BICFI></FinInstnId></DbtrAgt><CdtrAgt><FinInstnId><BICFI>PBABAQD0XXX</BICFI></FinInstnId></CdtrAgt><Cdtr><Id><OrgId><AnyBIC>PBABAQR001X</AnyBIC></OrgId></Id></Cdtr></CdtTrfTxInf></FIToFICstmrCdtTrf></Document> |

**Figure 385: TRN12 output (2) - details** **{CR-166}**

## Output description

| TRN12 – Report description – output screen | |
|---|---|
| **Field label** | **Description** |
| Sender Message reference | Identification of the message delivered by the sender. |
| Intended settlement date | Settlement date which was intended |
| Instructing BIC | BIC of the instructing party |
| Sender BIC | BIC of the sender |
| Debited cash account number | Cash account number of the debited account |
| Instructed BIC | BIC of the instructed party |

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| | |
|---|---|
| Error code | Error code according to RTGS |
| Currency | Currency of the instructed amount |
| Instructed amount | Amount as instructed |

**Table 149: TRN12 - Output description – List {CR-166}**

[1]

| **TRN12 – Report description – details** | |
|---|---|
| **Field label** | **Description** |
| Entry timestamp | Timestamp of entry in RTGS |
| Intended settlement date | Settlement date which was intended |
| Instructing BIC | BIC of the instructing party |
| Debited cash account number | Cash account number of the debited account |
| Instructed BIC | BIC of the instructed party |
| Error code | Error code according to RTGS |
| Currency | Instructed currency |
| Instructed amount | Amount as instructed |
| Message in XML-Format | Original message in XML format. |

**Table 150: TRN12 - Output description - Details {CR-166}**

## Known restrictions and behavioural differences

The following constraints and behavioural differences have been identified:

- **Linked currency of Authorized Account User used for currency determination**
  Currency resolution is derived from the context of the Authorised Account User (AAU). As a result, no currency mismatch errors (e. g. D005, E007 etc.) are expected to surface under the current setup, because the currency is implicitly aligned with the AAU. This behaviour should be considered when assessing error coverage and potential edge case involving multi-currency scenarios.
- **Potential increase in message volume due to enhanced BIC resolution**
  The refined detection logic introduced in TRN12 may result in a higher number of messages being identified than are currently evaluated in BPM04 for sum aggregation. This discrepancy is due to a more granular breakdown of the involved BICs (instructing BIC) particularly in the case of 'wildcard BICs', which

enables a more precise identification of relevant messages. Consequently, the aggregate values derived from TRN12 may differ in these cases from those produced by BPM04. This difference should not be regarded as error, but rather as an expected result of the improved methodology. **{CR-166}**

Footnotes

1 This table holds for the formats HTML, PDF and Excel. To provide the possibility to filter for all fields available in the pacs.008 the list output formats csv, XML and Excel Data provide a complete dump of all data fields parsed from the pacs.008 messages as described in CR166 Annex 1 **{CR-166}**

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# 6 T2S Predefined reports

## 6.1 T2S Cash account (SCT)

### 6.1.1 SCT01 - Finalised matched instructions

**Context of Usage**

This report shows the cash activity for all finalised matched settlement instructions (SI) at CB, PB or T2S dedicated cash account level, during a selected period of time. The volume of finalised matched instructions per transaction type / sub-category together with the aggregated matched values and settled values are shown.

This report can be used by CB users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT01

**Screenshot**

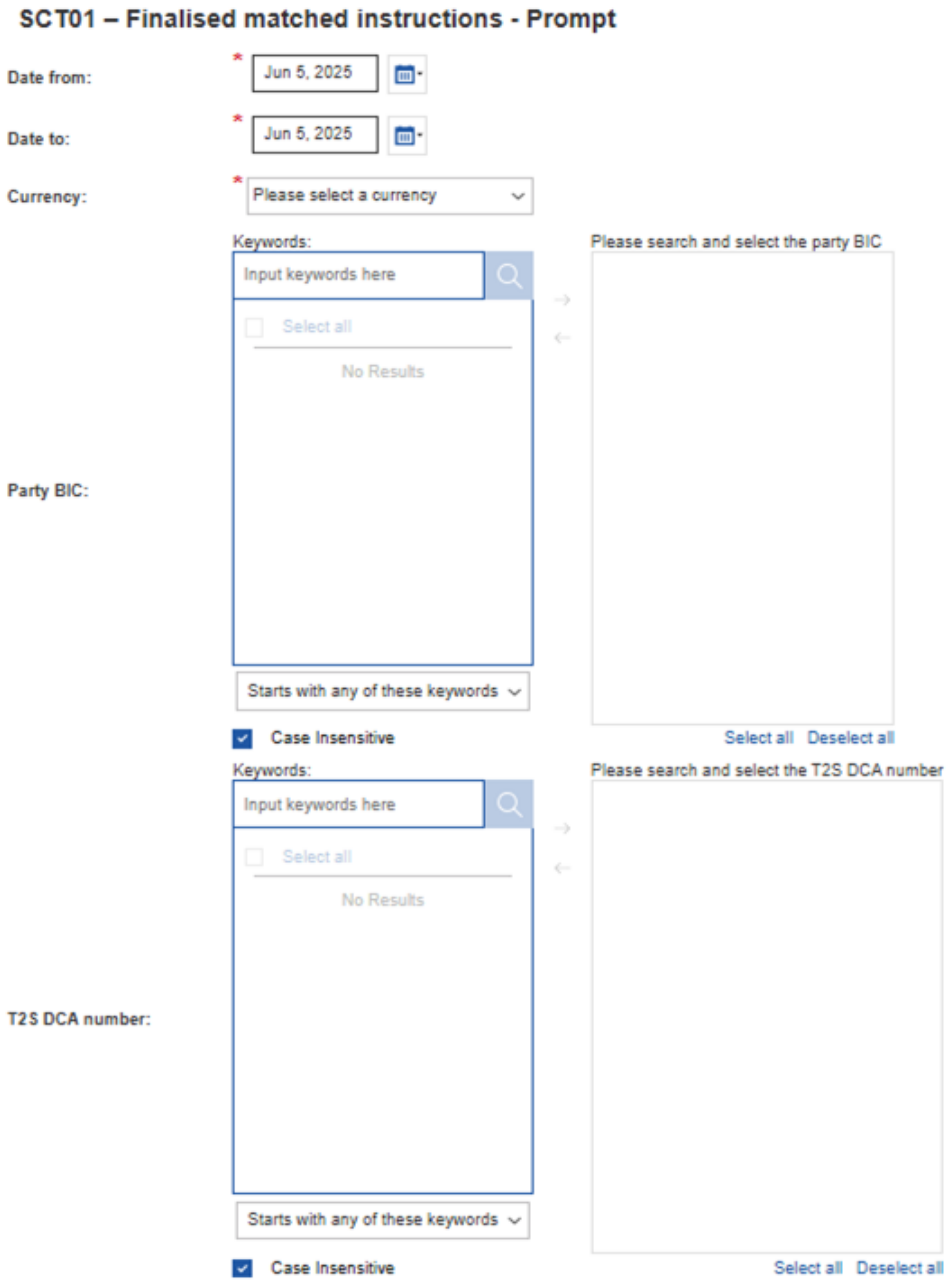
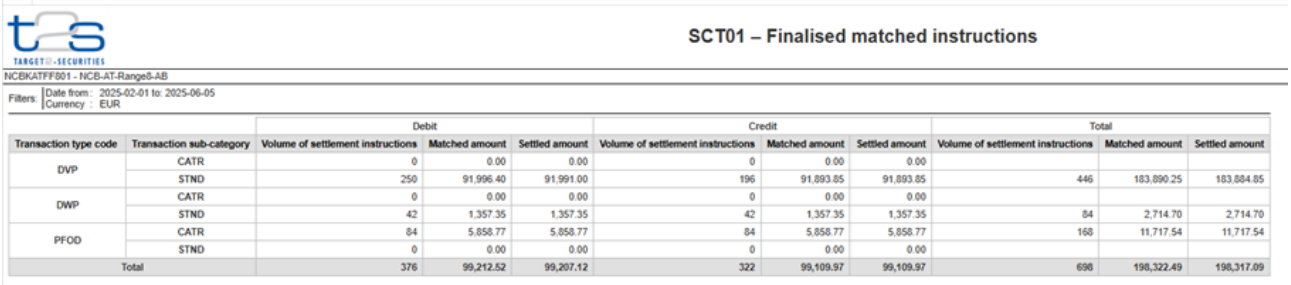



**Figure 386: SCT01 prompt screen**

## Field Description

| SCT01 – Finalised matched instructions – Prompt Screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| T2S DCA number | You can use this drop-down field to select one or several T2S DCA numbers. Only T2S DCA numbers denominated in the selected currency that belong to the party BIC(s) can be selected. If no party BIC is selected (the optional field was left empty), then this list contains all account numbers of all parties in the data scope and selected currency. One or more account numbers from the list can be selected. If no account number is selected, then the report output is created for all account numbers which match the selected currency, within all selected parties.<br>This field is optional. |

## Screenshot



SCT01 – Finalised matched instructions

NCBKATFF801 - NCB-AT-Range8-AB

Filters: Date from: 2025-02-01 to: 2025-06-05
Currency : EUR

| | | Debit | | | Credit | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Transaction type code | Transaction sub-category | Volume of settlement instructions | Matched amount | Settled amount | Volume of settlement instructions | Matched amount | Settled amount | Volume of settlement instructions | Matched amount | Settled amount |
| DVP | CATR | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | | | |
| | STND | 250 | 91,996.40 | 91,991.00 | 196 | 91,893.85 | 91,893.85 | 446 | 183,890.25 | 183,884.85 |
| DWP | CATR | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | | | |
| | STND | 42 | 1,357.35 | 1,357.35 | 42 | 1,357.35 | 1,357.35 | 84 | 2,714.70 | 2,714.70 |
| PFOD | CATR | 84 | 5,858.77 | 5,858.77 | 84 | 5,858.77 | 5,858.77 | 168 | 11,717.54 | 11,717.54 |
| | STND | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | | | |
| Total | | 376 | 99,212.52 | 99,207.12 | 322 | 99,109.97 | 99,109.97 | 698 | 198,322.49 | 198,317.09 |

**Figure 387: SCT01 output screen**

## Field Description

| SCT01 – Finalised matched instructions – Output Screen | |
|---|---|
| Transaction type code | Shows the transaction type code of the settlement transaction.<br>Possible values are:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the transaction sub-category of the settlement transaction. |
| **Debit** | |
| Volume of settlement instructions | A count of all finalised matched SIs on the debit side during the selected date range, per transaction type code and sub-category. |
| Matched amount | Sum of the matched settlement amounts of all finalised matched SIs on the debit side during the selected date range per transaction type code and sub-category. |
| Settled amount | Sum of the settled settlement amounts of all finalised matched SIs on the debit side during the selected date range per transaction type code and sub-category. |
| **Credit** | |
| Volume of settlement instructions | A count of all finalised matched SIs on the credit side during the selected date range, per transaction type code and sub-category. |
| Matched amount | Sum of the matched settlement amounts of all finalised matched SIs on the credit side during the selected date range per transaction type code and sub-category. |
| Settled amount | Sum of the settled settlement amounts of all finalised matched SIs on the credit side during the selected date range per transaction type code and sub-category. |
| **Total (per transaction type code/settlement transaction sub-category)** | |
| Volume of settlement instructions | Sum of ‘Volume of settlement instructions’ over debit and credit. |
| Matched amount | Sum of ‘Matched amount’ over debit and credit. |
| Settled amount | Sum of ‘Settled amount’ over debit and credit. |
| **Total** | |
| Total | Sum for each column, summed over all transaction types / sub-category combinations. |

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## 6.1.2 SCT02 - Detailed matched settlement instructions

**Context of Usage**

This report shows all finalised settlement instructions (SIs) at CB or PB or T2S dedicated cash account level, during a chosen period of time.

The volume and values of settlement instructions are displayed per transaction type / sub-category / direction (debit or credit) and the settlement status.

This report can be used by CB users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT02

**Screenshot**

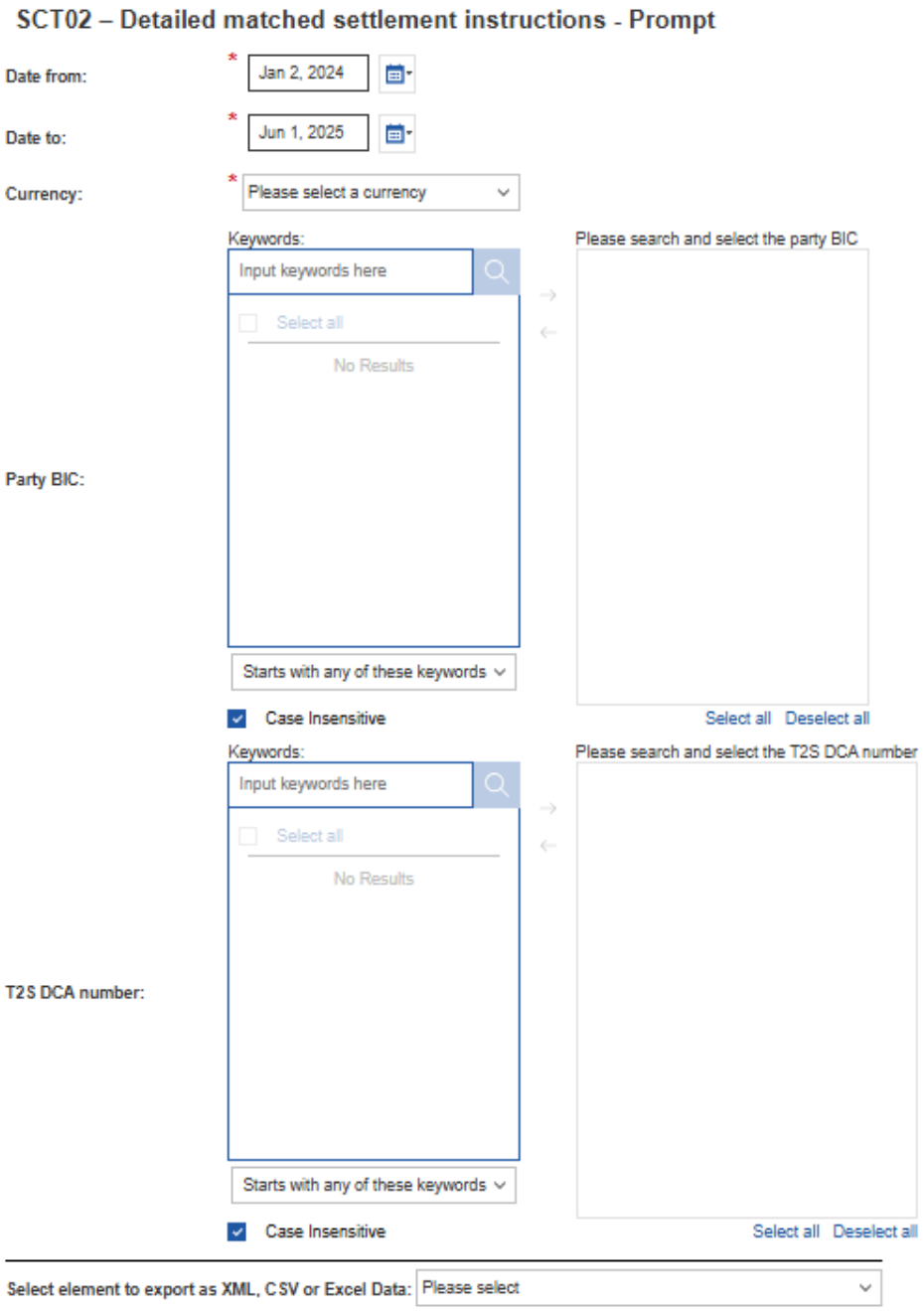
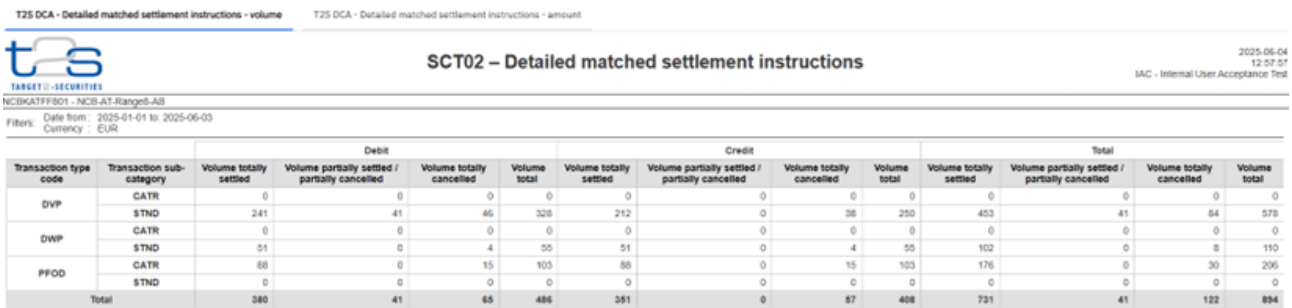



**Figure 388: SCT02 Prompt**

## Field Description

| SCT02 – Detailed matched settlement instructions – Prompt screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| T2S DCA number | You can use this drop-down field to select one or several T2S DCA numbers. This field will show all related T2S DCAs, which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all T2S DCA numbers belonging to the default data scope of the user's party.<br>This field is optional. |
| Select element to export as XML, CSV or Excel Data | You can choose the elements you want to download as either XML, CSV or Excel Data. For this report, you can choose between the following tabs:<br>- T2S DCA - Detailed matched settlement instructions – volume<br>- T2S DCA - Detailed matched settlement instructions – amount<br>This field is optional. |

## Screenshot


T2S DCA - Detailed matched settlement instructions - volume T2S DCA - Detailed matched settlement instructions - amount

SCT02 – Detailed matched settlement instructions

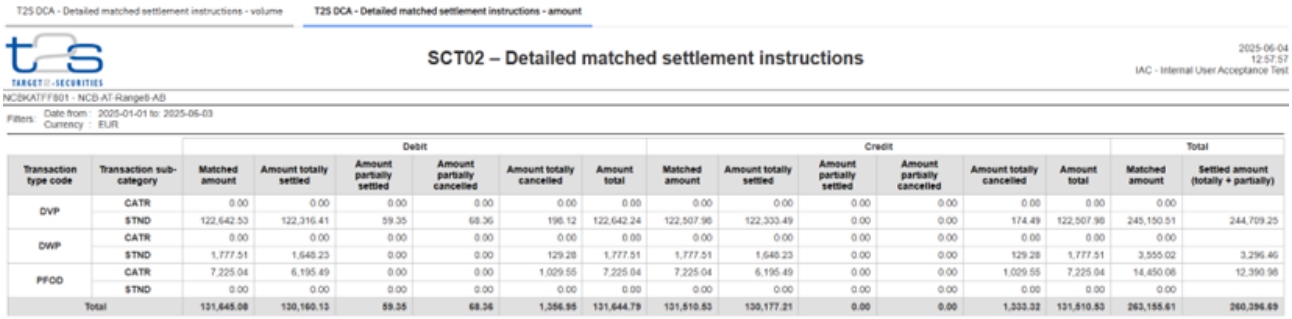
2025-06-04 12:57:57
IAC - Internal User Acceptance Test

NCBKATFFB01 - NCB-AT-RangeS-AB

Filters: Date from: 2025-01-01 to: 2025-06-03
Currency: EUR

| | | Debit | | | | Credit | | | | Total | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Transaction type code | Transaction sub-category | Volume totally settled | Volume partially settled / partially cancelled | Volume totally cancelled | Volume total | Volume totally settled | Volume partially settled / partially cancelled | Volume totally cancelled | Volume total | Volume totally settled | Volume partially settled / partially cancelled | Volume totally cancelled | Volume total |
| DVP | CATR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | STND | 241 | 41 | 46 | 328 | 212 | 0 | 38 | 250 | 453 | 41 | 84 | 578 |
| DWP | CATR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | STND | 51 | 0 | 4 | 55 | 51 | 0 | 4 | 55 | 102 | 0 | 8 | 110 |
| PFOD | CATR | 88 | 0 | 15 | 103 | 88 | 0 | 15 | 103 | 176 | 0 | 30 | 206 |
| | STND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 380 | 41 | 65 | 486 | 351 | 0 | 57 | 408 | 731 | 41 | 122 | 894 |

**Figure 389: SCT02 output screen, tab 1**



T2S DCA - Detailed matched settlement instructions - volume | T2S DCA - Detailed matched settlement instructions - amount

**SCT02 – Detailed matched settlement instructions**

2025-06-04
12:57:57
IAC - Internal User Acceptance Test

NCBKATFF801 - NCB-AT-Range8-AB

Filters: Date from : 2025-01-01 to: 2025-06-03
Currency : EUR

| | | Debit | | | | | | Credit | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Transaction type code | Transaction sub-category | Matched amount | Amount totally settled | Amount partially settled | Amount partially cancelled | Amount totally cancelled | Amount total | Matched amount | Amount totally settled | Amount partially settled | Amount partially cancelled | Amount totally cancelled | Amount total | Matched amount | Settled amount (totally + partially) |
| DVP | CATR | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | STND | 122,642.53 | 122,316.41 | 59.35 | 68.36 | 196.12 | 122,642.24 | 122,507.96 | 122,333.49 | 0.00 | 0.00 | 174.49 | 122,507.98 | 245,150.51 | 244,709.25 |
| DWP | CATR | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | STND | 1,777.51 | 1,648.23 | 0.00 | 0.00 | 129.28 | 1,777.51 | 1,777.51 | 1,648.23 | 0.00 | 0.00 | 129.28 | 1,777.51 | 3,555.02 | 3,296.46 |
| PFOD | CATR | 7,225.04 | 6,195.49 | 0.00 | 0.00 | 1,029.55 | 7,225.04 | 7,225.04 | 6,195.49 | 0.00 | 0.00 | 1,029.55 | 7,225.04 | 14,450.08 | 12,390.98 |
| | STND | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Total | | 131,645.08 | 130,160.13 | 59.35 | 68.36 | 1,356.95 | 131,644.79 | 131,510.53 | 130,177.21 | 0.00 | 0.00 | 1,333.32 | 131,510.53 | 263,155.61 | 260,396.69 |

**Figure 390: SCT02 output screen, tab 2**

## Field Description

| SCT02 – Detailed matched settlement instructions –Output screen – Tab 1<br>T2S DCA – Detailed matched settlement instructions - volume | |
|---|---|
| Transaction type code | Shows the transaction type code of the settlement transaction.<br>Possible values are:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the transaction sub-category of the settlement transaction. |
| **Debit** | |
| Volume totally settled | A count of the number of totally settled SIs found on the debit side within the requested period, per transaction type and sub-category. |
| Volume partially settled / partially cancelled | A count of the number of partially settled/partially cancelled SIs found on the debit side within the requested duration, per transaction type and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs found on the debit side within the requested duration, per transaction type and sub-category. |
| Volume total | Sum of ‘Volume totally settled’, ‘Volume partially settled / partially cancelled’ and ‘Volume totally cancelled’ on the debit side, per transaction type and sub-category. |
| **Credit** | |
| Volume totally settled | A count of the number of totally settled SIs found on the credit side within the requested duration, per transaction type and sub-category. |
| Volume partially settled / partially cancelled | A count of the number of partially settled/partially cancelled SIs found on the credit side within the requested duration, per transaction type and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs found on the credit side within the requested duration, per transaction type and sub-category. |
| Volume total | Sum of ‘Volume totally settled’, ‘Volume partially settled / partially cancelled’ and ‘Volume totally cancelled’ on the credit side, per transaction type and sub-category. |
| **Total (per transaction type code/settlement transaction sub-category)** | |
| Volume totally settled | Sum of ‘Volume totally settled’ over debit and credit. |
| Volume partially settled / partially cancelled | Sum of ‘Volume partially settled / partially cancelled’ over debit and credit. |

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| | |
|---|---|
| Volume totally cancelled | Sum of ‘Volume totally cancelled’ over debit and credit. |
| Volume total | Sum of ‘Volume total’ over debit and credit |
| **Total** | |
| Total | Sum for each column, summed over all transaction types / sub-category combinations. |

| SCT02 – Detailed matched settlement instructions - Output screen – Tab 2<br>T2S DCA – Detailed matched settlement instructions - amount | |
|---|---|
| Transaction type code | Shows the transaction type code of the settlement transaction.<br>Possible values are:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the transaction sub-category of the settlement transaction. |
| **Debit** | |
| Matched amount | Sum over matched settlement amounts of all finalised SIs on the debit side within the requested duration, per transaction type and sub-category. |
| Amount totally settled | Sum over settled settlement amounts of all finalised SIs on the debit side and totally settled within the requested duration, per transaction type and sub-category. |
| Amount partially settled | Sum over settled settlement amounts of all finalised SIs on the debit side and partially settled within the requested duration, per transaction type and sub-category. |
| Amount partially cancelled | Sum over all unsettled matched settlement amounts of all finalised SIS on the debit side and partially cancelled within the requested duration, per transaction type and sub-category. |
| Amount totally cancelled | Sum of the matched settlement amounts of all finalised SIs on the debit side which were totally cancelled within the period 1 duration, per transaction type and sub-category. |
| Amount total | Sum of ‘Matched amount, ‘Amount totally settled’, ‘Amount partially settled’, ‘Amount partially cancelled’ and ‘Amount totally cancelled’ on the debit side, per transaction type and sub-category. |
| **Credit** | |
| Matched amount | Sum over matched settlement amounts of all finalised SIs on the credit side within the requested duration, per transaction type and sub-category. |

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| | |
|---|---|
| Amount totally settled | Sum over settled settlement amounts of all finalised SIs on the credit side and totally settled within the requested duration, per transaction type and sub-category. |
| Amount partially settled | Sum over settled settlement amounts of all finalised SIs on the credit side and partially settled within the requested duration, per transaction type and sub-category. |
| Amount partially cancelled | Sum over all unsettled matched settlement amounts of all finalised SIS on the credit side and partially cancelled within the requested duration, per transaction type and sub-category. |
| Amount totally cancelled | Sum of the matched settlement amounts of all finalised SIs on the credit side which were totally cancelled within the period 1 duration, per transaction type and sub-category. |
| Amount total | Sum of ‘Matched amount, ‘Amount totally settled’, ‘Amount partially settled’, ‘Amount partially cancelled’ and ‘Amount totally cancelled’ on the credit side, per transaction type and sub-category. |
| **Total (per transaction type code transaction sub-category)** | |
| Matched amount | Sum of ’Matched amount over debit and credit. |
| Settled amount (totally + partially) | Sum of ‘Amount totally settled’ plus ‘Amount partially settled’ over debit and credit. |
| Total | |
| Total | Sum for each column, summed over all transaction type / sub-category combinations. |

### 6.1.3 SCT03 - Follow up by time slot of settlement activity

**Context of Usage**

This report shows all finalised settlement instructions (SIs) per time slots of the settlement date in an array at CB, PB or T2S DCA level, during a chosen period of time.

The settlement instructions (SI) are displayed as aggregated volumes and values according to the transaction type code, the transaction sub-category, the T2S-DCA debit/credit code, the settlement status and T2S time slot

This report can be used by CB users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT03

**Screenshot**

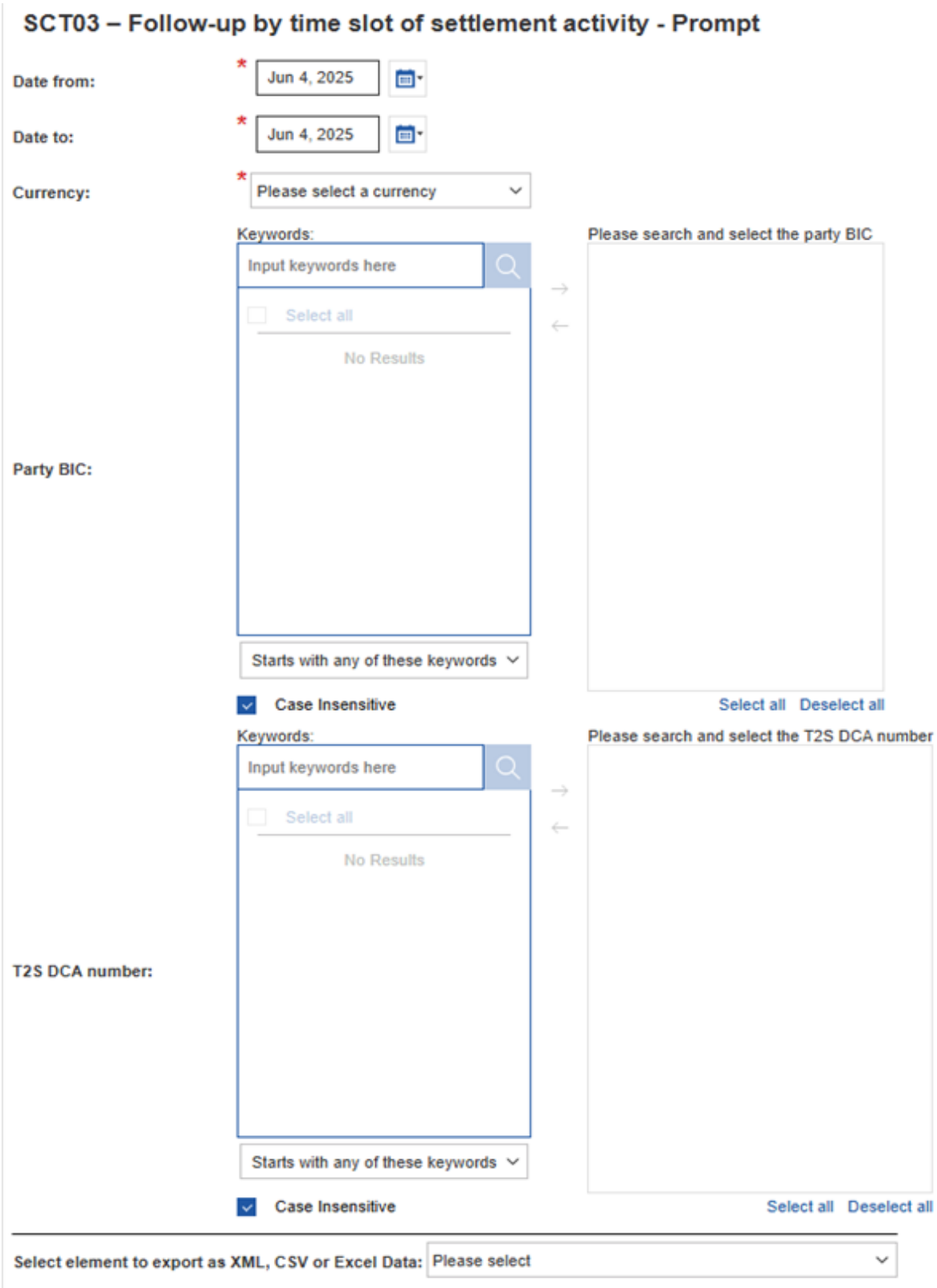



**Figure 391: SCT03 Prompt**

## Field Description

| SCT03 – Follow-up by time slot of settlement activity – Prompt screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| T2S DCA number | You can use this drop-down field to select one or several T2S DCA numbers. This field will show all related T2S DCAs, which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all T2S DCA numbers belonging to the default data scope of the user's party.<br>This field is optional. |
| Select element to export as XML, CSV or Excel Data | You can choose the elements you want to download as either XML, CSV or Excel Data. For this report, you can choose between the following tabs:<br>- T2S DCA – Follow-up by time slot of settlement activity – volume<br>- T2S DCA – Follow-up by time slot of settlement activity – amount<br>This field is optional. |

## Screenshot

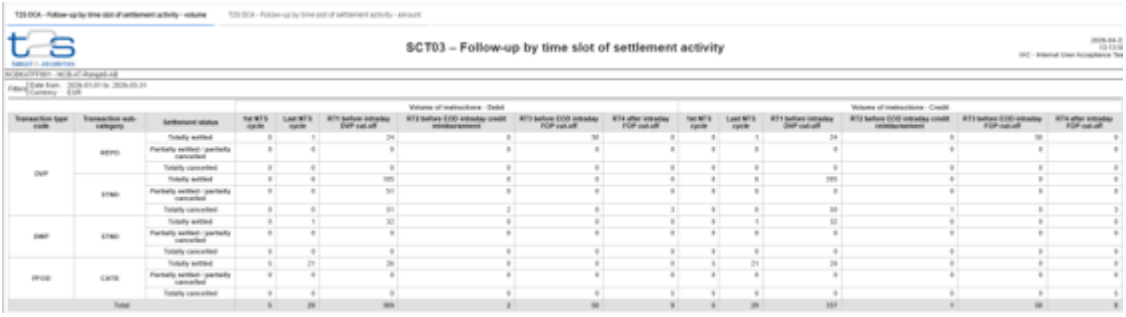



Figure 392: SCT03 output screen, tab 1 {CR-874}

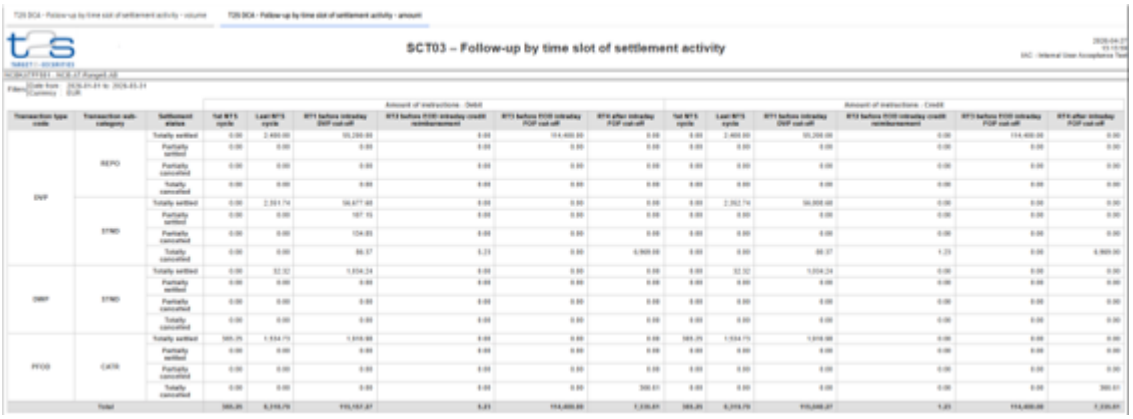



Figure 393: SCT03 output screen, tab 2 {CR-874}

## Field Description

| SCT03 – Follow-up by time slot of settlement activity – Output screen – Tab 1<br>T2S DCA – Follow-up by time slot of settlement activity - volume | |
|---|---|
| Transaction type code | Shows the transaction type code of the settlement transaction.<br>Possible values are:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the transaction sub-category of the settlement transaction. |
| Settlement status | Shows the status of the settlement instruction.<br>Possible values are:<br>- Totally settled<br>- Partially settled / partially cancelled<br>- Totally cancelled |
| **Volume of instructions - debit** | |
| Time slots (one line per time slot):<br>- 1st NTS cycle<br>- Last NTS cycle<br>- RT1 before intraday DVP cut-off<br>- RT2 before EOD intraday credit reimbursement<br>- RT3 before EOD intraday FOP cut-off<br>- RT4 after intraday FOP cut-off | Shows the aggregated volume of the SIs (debit side) for each designated time slot, within the transaction type code / transaction subcategory / settlement status combination. |
| **Volume of instructions - credit** | |
| Time slots (one line per time slot):<br>- 1st NTS cycle<br>- Last NTS cycle<br>- RT1 before intraday DVP cut-off | Shows the aggregated volume of the SIs (credit side) for each designated time slot, within the transaction type code / transaction subcategory / settlement status combination. |

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| | |
|---|---|
| • RT2 before EOD intraday credit reimbursement<br>• RT3 before EOD intraday FOP cut-off<br>• RT4 after intraday FOP cut-off | |
| **Total** | |
| Total | Sum for each column, summed over all transaction type / sub-category combinations. |

| SCT03 – Follow-up by time slot of settlement activity – Output screen – Tab 2<br>T2S DCA – Follow-up by time slot of settlement activity - amount | |
|---|---|
| Transaction type code | Shows the transaction type code of the settlement transaction.<br>Possible values are:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the transaction sub-category of the settlement transaction. |
| Settlement status | Shows the status of the settlement instruction.<br>Possible values are:<br>- Totally settled<br>- Partially settled<br>- Totally cancelled<br>- Partially cancelled |
| **Amount of instructions - debit** | |
| Time slots (one line per time slot):<br>- 1st NTS cycle<br>- Last NTS cycle<br>- RT1 before intraday DVP cut-off<br>- RT2 before EOD intraday credit reimbursement<br>- RT3 before EOD intraday FOP cut-off<br>- RT4 after intraday FOP cut-off | Shows the aggregated amount of the SIs (debit side) for each designated time slot, within the transaction type code / transaction subcategory / settlement status combination. |
| **Amount of instructions - credit** | |
| Time slots (one line per time slot):<br>- 1st NTS cycle<br>- Last NTS cycle<br>- RT1 before intraday DVP cut-off | Shows the aggregated amount of the SIs (credit side) for each designated time slot, within the transaction type code / transaction subcategory / settlement status combination. |

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| | |
|---|---|
| • RT2 before EOD intraday credit reimbursement<br>• RT3 before EOD intraday FOP cut-off<br>• RT4 after intraday FOP cut-off | |
| **Total** | |
| Total | Sum for each column, summed over all transaction type / sub-category combinations. |

### 6.1.4 SCT04 - Comparison of settlement activity between two time periods

**Context of Usage**

This report shows the settlement activity for two time periods at CB, PB or T2S dedicated cash account level, to allow its comparison between these two periods of time.

The settlement instructions (SI) are displayed as aggregated volumes and values according to the transaction type code, the transaction sub-category, the T2S-DCA debit/credit code and the settlement status.

This report can be used by CB users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT04

**Screenshot**

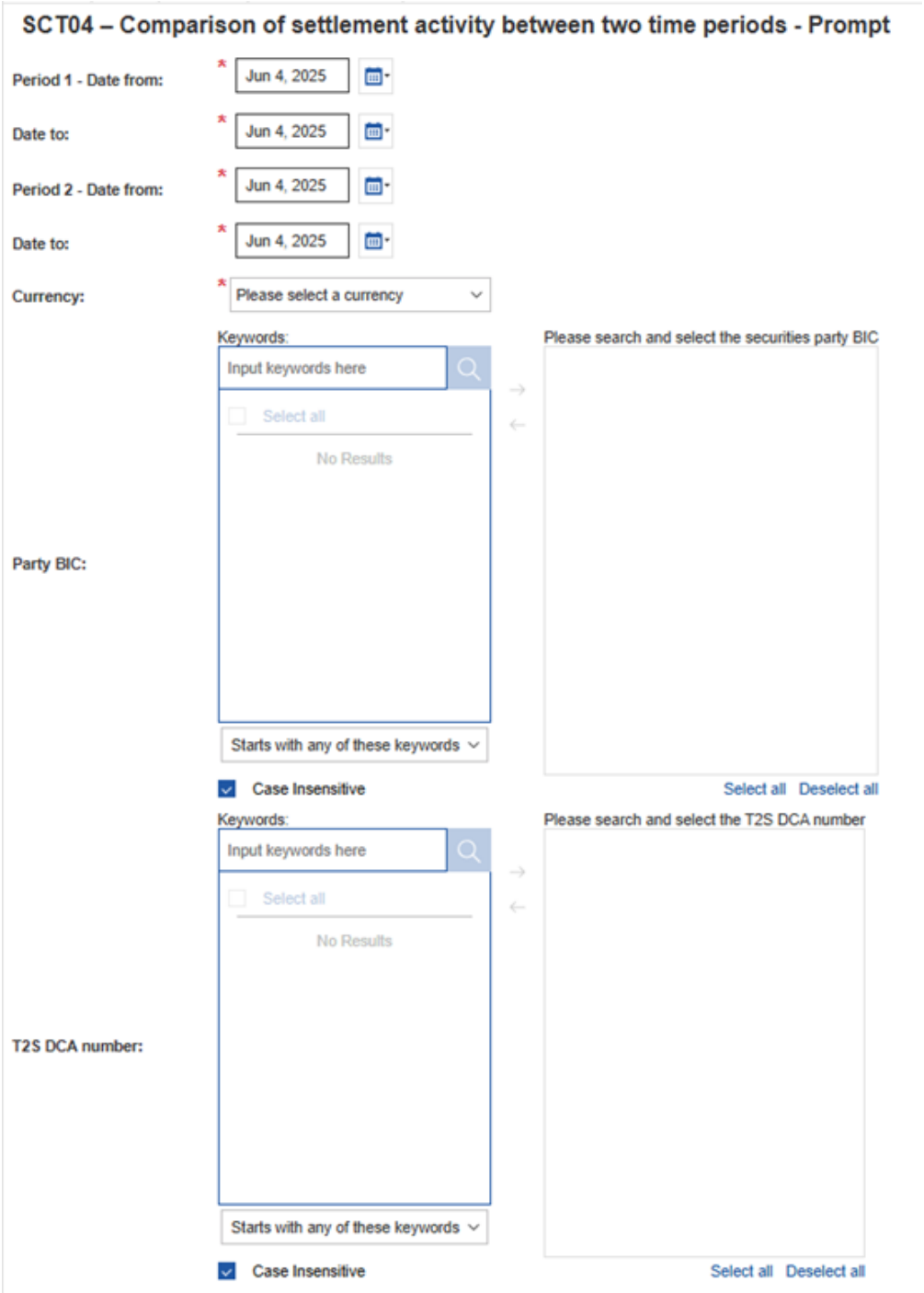
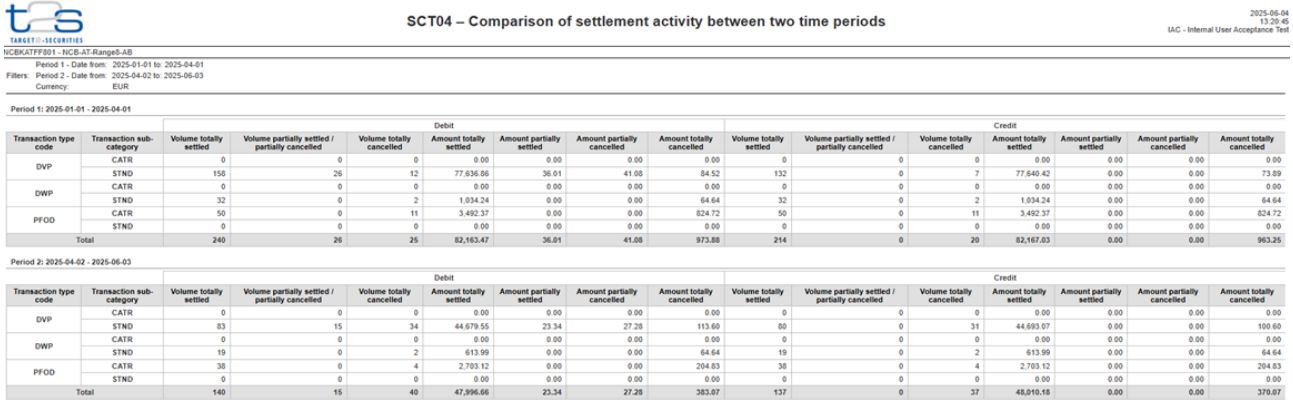



**Figure 394: SCT04 Prompt**

## Field Description

| SCT04 – Comparison of settlement activity between two time periods – Prompt Screen | |
|---|---|
| Period 1 Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Period 1 Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Period 2 Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Period 2 Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| T2S DCA number | You can use this drop-down field to select one or several T2S DCA numbers. This field will show all related T2S DCAs, which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all T2S DCA numbers belonging to the default data scope of the user's party.<br>This field is optional. |

**Screenshot**



SCT04 – Comparison of settlement activity between two time periods

2025-06-04
13:20:45
IAC - Internal User Acceptance Test

NCBKATFF001 - NCB-AT-Range8-AB

Filters: Period 1 - Date from: 2025-01-01 to: 2025-04-01
Period 2 - Date from: 2025-04-02 to: 2025-06-03
Currency: EUR

Period 1: 2025-01-01 - 2025-04-01

| | | Debit | | | | | | | Credit | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Transaction type code | Transaction sub-category | Volume totally settled | Volume partially settled / partially cancelled | Volume totally cancelled | Amount totally settled | Amount partially settled | Amount partially cancelled | Amount totally cancelled | Volume totally settled | Volume partially settled / partially cancelled | Volume totally cancelled | Amount totally settled | Amount partially settled | Amount partially cancelled | Amount totally cancelled |
| DVP | CATR | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | STND | 158 | 26 | 12 | 77,636.86 | 36.01 | 41.08 | 84.52 | 132 | 0 | 7 | 77,640.42 | 0.00 | 0.00 | 73.89 |
| DWP | CATR | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | STND | 32 | 0 | 2 | 1,034.24 | 0.00 | 0.00 | 64.64 | 32 | 0 | 2 | 1,034.24 | 0.00 | 0.00 | 64.64 |
| PFOD | CATR | 50 | 0 | 11 | 3,492.37 | 0.00 | 0.00 | 824.72 | 50 | 0 | 11 | 3,492.37 | 0.00 | 0.00 | 824.72 |
| | STND | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | | 240 | 26 | 25 | 82,163.47 | 36.01 | 41.08 | 973.88 | 214 | 0 | 20 | 82,167.03 | 0.00 | 0.00 | 963.25 |

Period 2: 2025-04-02 - 2025-06-03

| | | Debit | | | | | | | Credit | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Transaction type code | Transaction sub-category | Volume totally settled | Volume partially settled / partially cancelled | Volume totally cancelled | Amount totally settled | Amount partially settled | Amount partially cancelled | Amount totally cancelled | Volume totally settled | Volume partially settled / partially cancelled | Volume totally cancelled | Amount totally settled | Amount partially settled | Amount partially cancelled | Amount totally cancelled |
| DVP | CATR | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | STND | 83 | 15 | 34 | 44,679.55 | 23.34 | 27.28 | 113.60 | 80 | 0 | 31 | 44,693.07 | 0.00 | 0.00 | 100.60 |
| DWP | CATR | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | STND | 19 | 0 | 2 | 613.99 | 0.00 | 0.00 | 64.64 | 19 | 0 | 2 | 613.99 | 0.00 | 0.00 | 64.64 |
| PFOD | CATR | 38 | 0 | 4 | 2,703.12 | 0.00 | 0.00 | 204.83 | 38 | 0 | 4 | 2,703.12 | 0.00 | 0.00 | 204.83 |
| | STND | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | | 140 | 15 | 40 | 47,996.66 | 23.34 | 27.28 | 383.07 | 137 | 0 | 37 | 48,010.18 | 0.00 | 0.00 | 370.07 |

**Figure 395: SCT04 output screen**

## Field Description

| SCT04 – Comparison of settlement activity between two time periods – Output Screen | |
|---|---|
| **Period 1** | |
| Transaction type code | Shows the transaction type code of the settlement transaction.<br>Possible values are:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the transaction sub-category of the settlement transaction. |
| **Debit** | |
| Volume totally settled | A count of the number of totally settled SIs found on the debit side in the period 1 duration, per transaction type and sub-category. |
| Volume partially settled/ partially cancelled | A count of the number of partially settled/partially cancelled SIs found on the debit side in the period 1 duration, per transaction type and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs found on the debit side in the period 1 duration, per transaction type and sub-category. |
| Amount totally settled | Sum of the settled settlement amounts of all finalised SIs that were debited and totally settled within the period 1 duration, per transaction type and sub-category. |
| Amount partially settled | Sum of all partial settlement amounts of all finalised SIs that were debited and reached final status within the period 1 duration, per transaction type and sub-category. |
| Amount partially cancelled | Sum of all unsettled settlement amounts of all finalised SIs that were debited and reached final status within the period 1 duration, per transaction type and sub-category. |
| Amount totally cancelled | Sum of the settlement amounts of all finalised SIs on the debit side which were totally cancelled within the period 1 duration, per transaction type and sub-category. |
| **Credit** | |
| Volume totally settled | A count of the number of totally settled SIs found on the credit side in the period 1 duration, per transaction type and sub-category. |
| Volume partially settled/ partially cancelled | A count of the number of partially settled/partially cancelled SIs found on the credit side in the period 1 duration, per transaction type and sub-category. |

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| | |
|---|---|
| Volume totally cancelled | A count of the number of totally cancelled matched SIs found on the credit side in the period 1 duration, per transaction type and sub-category. |
| Amount totally settled | Sum of the settled settlement amounts of all finalised SIs that were credited and totally settled within the period 1 duration, per transaction type and sub-category. |
| Amount partially settled | Sum of all partial settlement amounts of all finalised SIs that were credited and reached final status within the period 1 duration, per transaction type and sub-category. |
| Amount partially cancelled | Sum of all unsettled settlement amounts of all finalised SIs that were credited and reached final status within the period 1 duration, per transaction type and sub-category. |
| Amount totally cancelled | Sum of the settlement amounts of all finalised SIs on the credit side which were totally cancelled within the period 1 duration, per transaction type and sub-category. |
| **Total (Period 1 - final)** | |
| Total | Sum for each column, summed over all transaction type / sub-category combinations. |
| **Period 2** | |
| Transaction type code | Shows the transaction type code of the settlement transaction.<br>Possible values are:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the transaction sub-category of the settlement transaction. |
| **Debit** | |
| Volume totally settled | A count of the number of totally settled SIs found on the debit side in the period 2 duration, per transaction type and sub-category. |
| Volume partially settled/ partially cancelled | A count of the number of partially settled/partially cancelled SIs found on the debit side in the period 2 duration, per transaction type and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs found on the debit side in the period 2 duration, per transaction type and sub-category. |
| Amount totally settled | Sum of the settled settlement amounts of all finalised SIs that were debited and totally settled within the period 2 duration, per transaction type and sub-category. |

| | |
|---|---|
| Amount partially settled | Sum of all partial settlement amounts of all finalised SIs that were debited and reached final status within the period 2 duration, per transaction type and sub-category. |
| Amount partially cancelled | Sum of all unsettled settlement amounts of all finalised SIs that were debited and reached final status within the period 2 duration, per transaction type and sub-category. |
| Amount totally cancelled | Sum of the settlement amounts of all finalised SIs on the debit side which were totally cancelled within the period 2 duration, per transaction type and sub-category. |
| **Credit** | |
| Volume totally settled | A count of the number of totally settled SIs found on the credit side in the period 2 duration, per transaction type and sub-category. |
| Volume partially settled/ partially cancelled | A count of the number of partially settled/partially cancelled SIs found on the credit side in the period 2 duration, per transaction type and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs found on the credit side in the period 2 duration, per transaction type and sub-category. |
| Amount totally settled | Sum of the settled settlement amounts of all finalised SIs that were credited and totally settled within the period 2 duration, per transaction type and sub-category. |
| Amount partially settled | Sum of all partial settlement amounts of all finalised SIs that were credited and reached final status within the period 2 duration, per transaction type and sub-category. |
| Amount partially cancelled | Sum of all unsettled settlement amounts of all finalised SIs that were credited and reached final status within the period 2 duration, per transaction type and sub-category. |
| Amount totally cancelled | Sum of the settlement amounts of all finalised SIs on the credit side which were totally cancelled within the period 2 duration, per transaction type and sub-category. |
| **Total (Period 2 - final)** | |
| Total | Sum for each column, summed over all transaction type / sub-category combinations. |

### 6.1.5 SCT05 - Follow-up by time slot of cash postings

**Context of Usage**

This report shows the cash postings at CB, PB or T2S dedicated cash account level, during a selected period of time. The cash postings activity of the specified T2S accounts are displayed as volume and amount for each time slot of the business day with a total per balance type.

This report can be used by CB users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT05

**Screenshot**

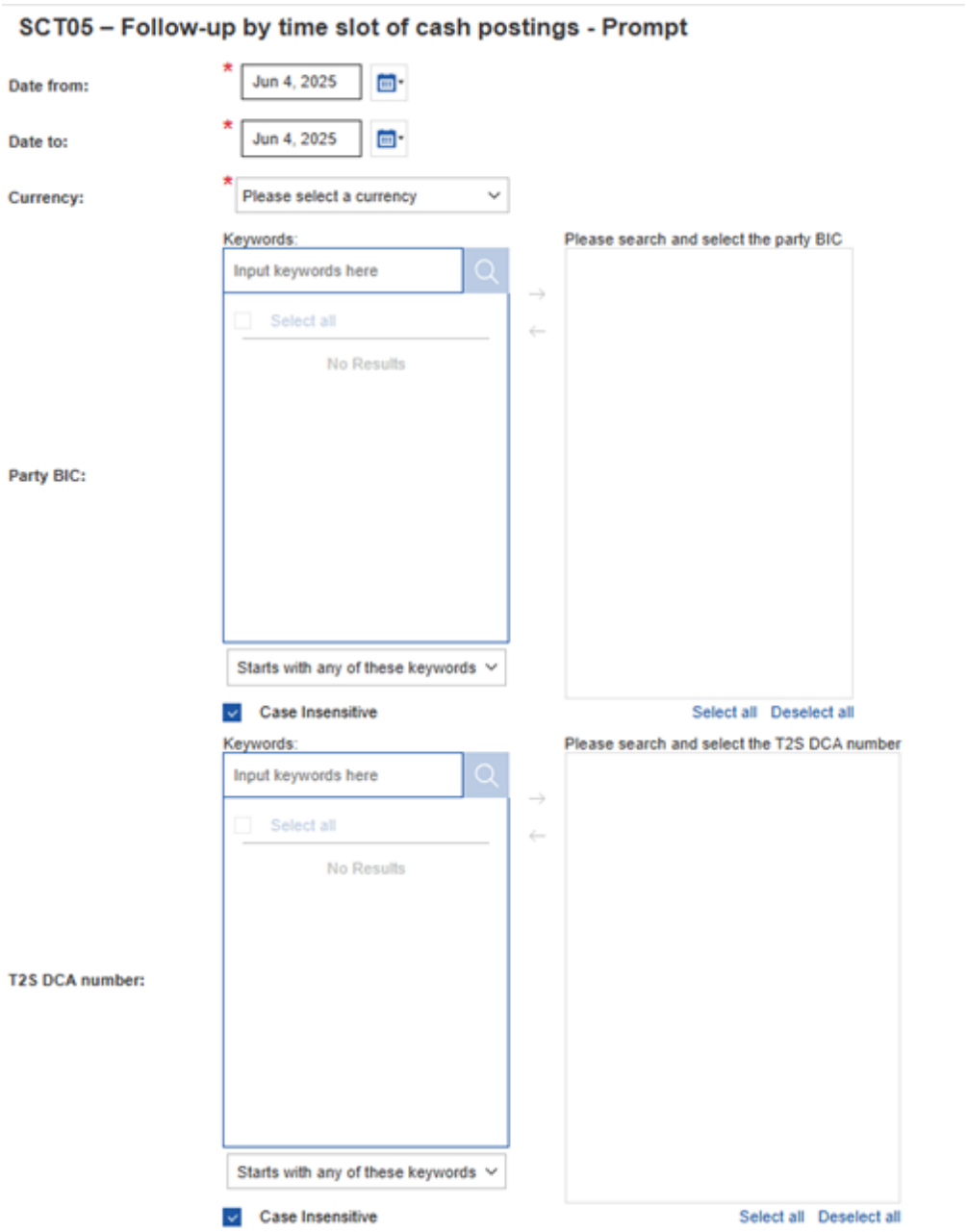
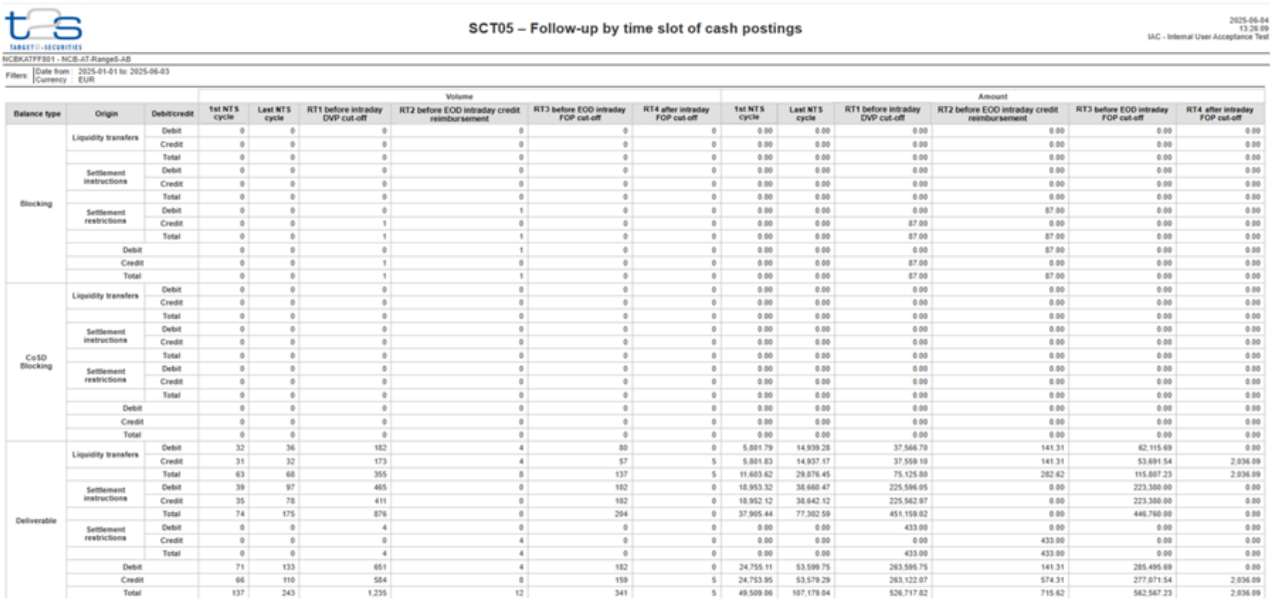



**Figure 396: SCT05 Prompt screen**

## Field Description

| SCT05 – Follow-up by time slot of cash postings – Prompt Screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| T2S DCA number | You can use this drop-down field to select one or several T2S DCA numbers. This field will show all related T2S DCAs, which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all T2S DCA numbers belonging to the default data scope of the user's party.<br>This field is optional. |

## Screenshot



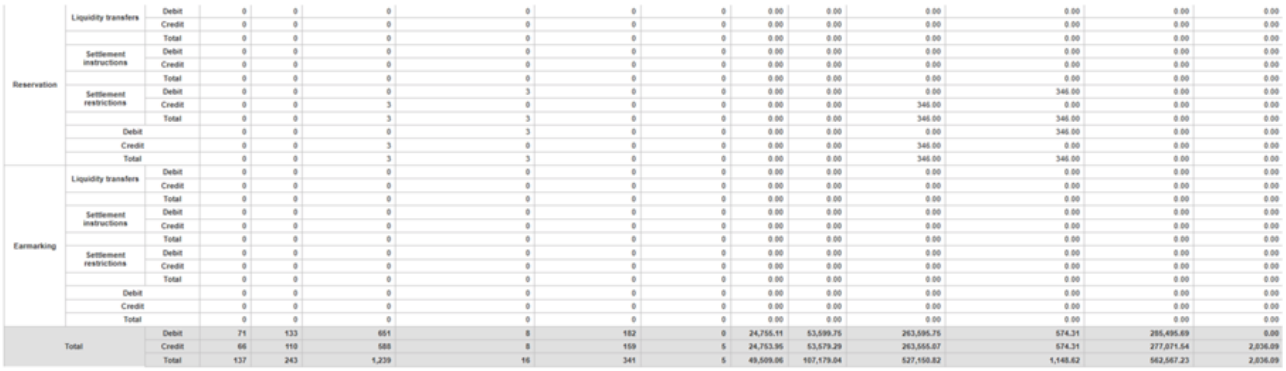
SCT05 – Follow-up by time slot of cash postings

NCBKATFF001 - NCB-AT-Range5-AB

Filters: Date from: 2025-01-01 to 2025-06-03 | Currency: EUR

| Balance type | Origin | Debit/credit | Volume | | | | | | Amount | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1st NTS cycle | Last NTS cycle | RT1 before intraday DVP cut-off | RT2 before EOD intraday credit reimbursement | RT3 before EOD intraday FOP cut-off | RT4 after intraday FOP cut-off | 1st NTS cycle | Last NTS cycle | RT1 before intraday DVP cut-off | RT2 before EOD intraday credit reimbursement | RT3 before EOD intraday FOP cut-off | RT4 after intraday FOP cut-off |
| Blocking | Liquidity transfers | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Settlement instructions | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Settlement restrictions | Debit | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | 0.00 | 0.00 | 87.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 87.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 1 | 1 | 0 | 0 | 0.00 | 0.00 | 87.00 | 87.00 | 0.00 | 0.00 |
| | Debit | | 0 | 0 | 0 | 1 | 0 | 0 | 0.00 | 0.00 | 0.00 | 87.00 | 0.00 | 0.00 |
| | Credit | | 0 | 0 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 87.00 | 0.00 | 0.00 | 0.00 |
| | Total | | 0 | 0 | 1 | 1 | 0 | 0 | 0.00 | 0.00 | 87.00 | 87.00 | 0.00 | 0.00 |
| CoSD Blocking | Liquidity transfers | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Settlement instructions | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Settlement restrictions | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Debit | | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Credit | | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Deliverable | Liquidity transfers | Debit | 32 | 36 | 182 | 4 | 80 | 0 | 5,801.79 | 14,939.28 | 37,566.79 | 141.31 | 62,115.69 | 0.00 |
| | | Credit | 31 | 32 | 173 | 4 | 57 | 5 | 5,801.83 | 14,937.17 | 37,559.10 | 141.31 | 53,691.54 | 2,036.09 |
| | | Total | 63 | 68 | 355 | 8 | 137 | 5 | 11,603.62 | 29,876.45 | 75,125.89 | 282.62 | 115,807.23 | 2,036.09 |
| | Settlement instructions | Debit | 39 | 97 | 465 | 0 | 182 | 0 | 18,953.32 | 38,660.47 | 225,596.05 | 0.00 | 223,380.00 | 0.00 |
| | | Credit | 35 | 78 | 411 | 0 | 102 | 0 | 18,952.12 | 38,642.12 | 225,562.97 | 0.00 | 223,380.00 | 0.00 |
| | | Total | 74 | 175 | 876 | 0 | 284 | 0 | 37,905.44 | 77,302.59 | 451,159.02 | 0.00 | 446,760.00 | 0.00 |
| | Settlement restrictions | Debit | 0 | 0 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 433.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 4 | 0 | 0 | 0.00 | 0.00 | 0.00 | 433.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 4 | 4 | 0 | 0 | 0.00 | 0.00 | 433.00 | 433.00 | 0.00 | 0.00 |
| | Debit | | 71 | 133 | 651 | 4 | 182 | 0 | 24,755.11 | 53,599.75 | 263,595.75 | 141.31 | 285,495.69 | 0.00 |
| | Credit | | 66 | 110 | 584 | 8 | 159 | 5 | 24,753.95 | 53,579.29 | 263,122.07 | 574.31 | 277,671.54 | 2,036.09 |
| | Total | | 137 | 243 | 1,235 | 12 | 341 | 5 | 49,509.06 | 107,179.04 | 526,717.82 | 715.62 | 562,567.23 | 2,036.09 |

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| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Reservation | Liquidity transfers | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Settlement instructions | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Settlement restrictions | Debit | 0 | 0 | 0 | 3 | 0 | 0 | 0.00 | 0.00 | 0.00 | 346.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 346.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 3 | 3 | 0 | 0 | 0.00 | 0.00 | 346.00 | 346.00 | 0.00 | 0.00 |
| | Debit | | 0 | 0 | 0 | 3 | 0 | 0 | 0.00 | 0.00 | 0.00 | 346.00 | 0.00 | 0.00 |
| | Credit | | 0 | 0 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 346.00 | 0.00 | 0.00 | 0.00 |
| | Total | | 0 | 0 | 3 | 3 | 0 | 0 | 0.00 | 0.00 | 346.00 | 346.00 | 0.00 | 0.00 |
| Earmarking | Liquidity transfers | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Settlement instructions | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Settlement restrictions | Debit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Credit | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Debit | | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Credit | | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total | | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | | Debit | 71 | 133 | 651 | 8 | 182 | 0 | 24,755.11 | 53,599.75 | 263,595.75 | 574.31 | 285,495.69 | 0.00 |
| | | Credit | 66 | 110 | 588 | 8 | 159 | 5 | 24,753.95 | 53,579.29 | 263,555.07 | 574.31 | 277,071.54 | 2,036.09 |
| | | Total | 137 | 243 | 1,239 | 16 | 341 | 5 | 49,509.06 | 107,179.04 | 527,150.82 | 1,148.62 | 562,567.23 | 2,036.09 |

**Figure 397: SCT05 output screen**

## Field Description

| SCT05 – Follow-up by time slot of cash postings – Output Screen | |
|---|---|
| Balance type | Shows the balance type for which the cash postings are displayed from the possible values:<br>- Earmarking<br>- Blocking<br>- CoSD blocking<br>- Deliverable<br>- Reservation<br>For origin = “Liquidity Transfer”, only balance type = Deliverable” is possible. |
| Origin | Shows the posting origin for which the cash postings are displayed from the possible values:<br>- Settlement instructions<br>- Settlement restrictions<br>- Liquidity transfers (only balance type “Deliverable”)<br>- Total for all types |
| Debit/Credit | The aggregation within origin of the cash postings on the debited/credited side |
| Total (per balance type / origin) | The sums of ‘Volume’ and ‘Amount’ across ‘Debit’ and ‘Credit’ per column, within origin. |
| Volume | |
| Time slots:<br>- 1st NTS cycle<br>- Last NTS cycle<br>- RT1 before intraday DVP cut-off<br>- RT2 before EOD intraday credit reimbursement<br>- RT3 before EOD intraday FOP cut-off<br>- RT4 after intraday FOP cut-off | The aggregation within debit/credit/total of all cash postings found for each designated time-slot. |
| Amount | |
| Total (per balance type): | The sums of ‘Volume’ and ‘Amount’ across ‘Debit’ and ‘Credit’ per column, over all origins within balance type. |

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| | |
|---|---|
| • Total earmarking<br>• Total blocking<br>• Total COSD blocking<br>• Total deliverable<br>• Total reservation | |
| Total (final) | The sums of ‘Volume’ and ‘Amount’ across ‘Debit’ and ‘Credit’ per column, over all balance types. |

# 6.2 T2S Securities account (SST)

## 6.2.1 SST01 - Finalised matched instructions

**Context of Usage**

This report shows volumes, amounts and quantities for all finalised settlement instructions (SIs), at CSD or CSD participant or securities account level, during a selected period of time. The settlement instructions are filtered according the settlement types of the securities and the currency of the settlements that the user selects.

The report delivers the volume of matched settlement instructions finalised during the selected period whether settled, partially settled or cancelled, the total of instructed quantity whether settled, partially settled or cancelled, the settled quantity, the matched amount and the settled amount per ISIN.

The results are displayed aggregated per transaction type code, transaction sub-category and securities movement type.

This report can be used by CSD users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> SST - T2S Securities account >> SST01

**Screenshot**

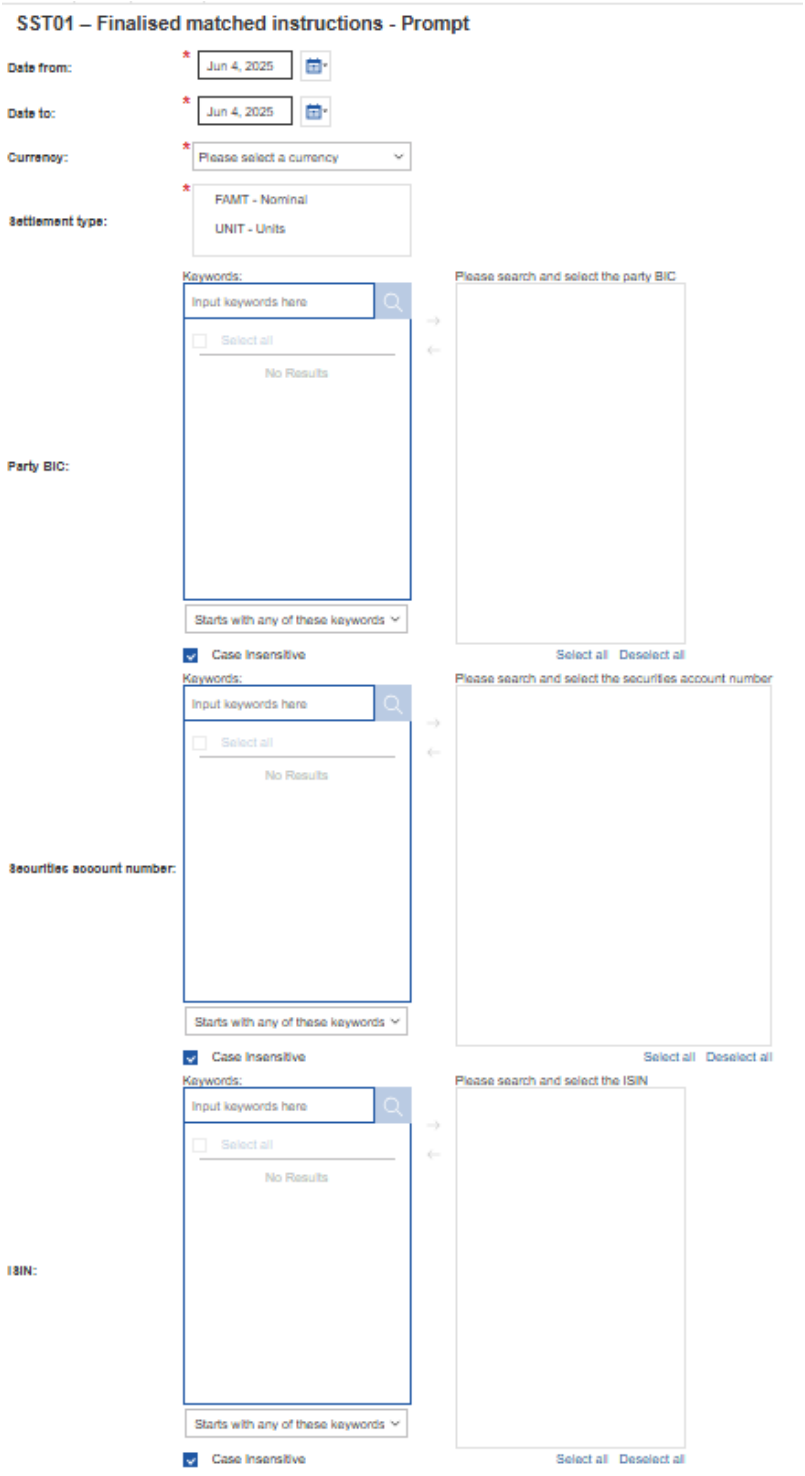



**Figure 398: SST01 prompt screen**

## Field Description

| SST01 – Finalised matched instructions – Prompt Screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | Currency in which the SIs are settled.<br>You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Settlement type | Shows the settlement type<br>Possible values:<br>FAMT – Nominal<br>UNIT - Units<br>This field is mandatory |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| Securities account number | You can use this drop-down field to select one or several securities account numbers. This field will show all related securities accounts which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all securities account numbers belonging to the default data scope of the user's party.<br>This field is optional. |
| ISIN | The report output contains only settlement instructions with the selected securities.<br>This field is optional. |

**Screenshot**

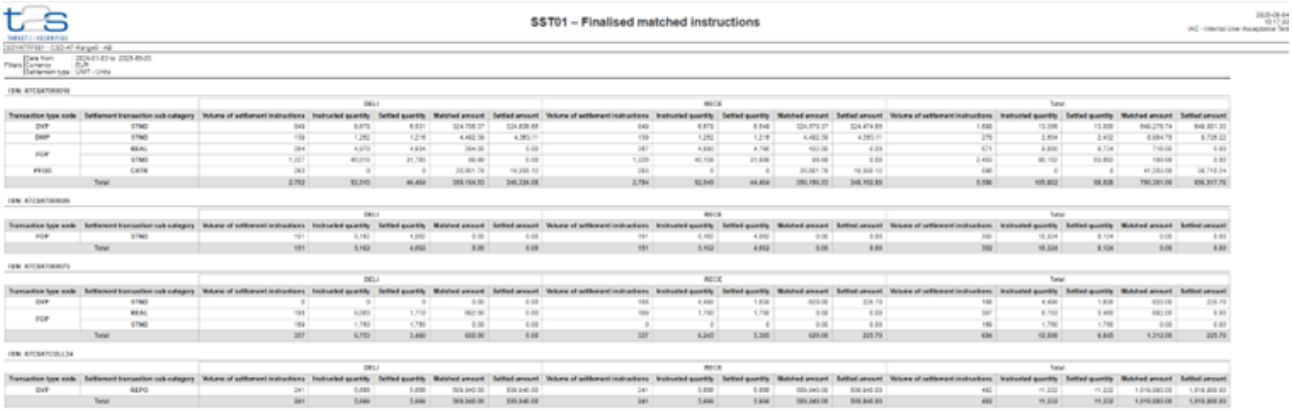



**Figure 399: SST01 output screen**

## Field Description

| SST01 – Finalised matched instructions – Output Screen | |
|---|---|
| ISIN | Shows the data of the finalised matched instructions aggregated per ISIN |
| Transaction type code | Shows the settlement transaction type code set during the selected period duration of time from the possible values:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- FOP (free of payment)<br>- PFOD (payment free of delivery) |
| Settlement transaction sub-category | Shows the subcategory of the settlement transaction from the possible values:<br>- ALOP, BPDF, BPIN, BPSU, COBS, COBR, COCP, CORT, CORU, EPDE, EPIS, REAL, RERV, REPO, RPDE, RPIN, RPSU, STND |
| **DELI** | |
| Volume of settlement instructions | Count of the number of finalised DELI settlement instructions within the given search criteria, per transaction type code and settlement transaction sub-category. |
| Instructed quantity | Sum of instructed settlement quantities of the DELI settlement instructions, per transaction type code and sub-category |
| Settled quantity | Sum of settled quantities of the DELI settlement instructions, per transaction type code and sub-category |
| Matched amount | Sum of matched settlement amounts of the DELI settlement instructions, per transaction type code and sub-category |
| Settled amount | Sum of settled settlement amounts of the DELI settlement instructions, per transaction type code and sub-category |
| Total | Sum for each column in ‘DELI’ body, summed over all transaction type / sub-category combinations. |
| **RECE** | |
| Volume of settlement instructions | Count of the number of finalised RECE settlement instructions within the given search criteria, per transaction type code and settlement transaction sub-category. |
| Instructed quantity | Sum of instructed settlement quantities of the RECE settlement instructions, per transaction type code and sub-category |
| Settled quantity | Sum of settled quantities of the RECE settlement instructions, per transaction type code and sub-category |

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| | |
|---|---|
| Matched amount | Sum of matched settlement amounts of the RECE settlement instructions, per transaction type code and sub-category |
| Settled amount | Sum of settled settlement amounts of the RECE settlement instructions, per transaction type code and sub-category |
| Total | Sum for each column in 'RECE' body, summed over all transaction type / sub-category combinations. |
| **Total** | |
| Volume of settlement instructions | The sum of 'Volume of settlement instructions' over DELI and RECE, per transaction type code and settlement transaction sub-category. |
| Instructed quantity | The sum of 'Instructed quantity' over DELI and RECE, per transaction type code and settlement transaction sub-category. |
| Settled quantity | The sum of 'Settled quantity' over DELI and RECE, per transaction type code and settlement transaction sub-category. |
| Matched amount | The sum of 'Matched amount' over DELI and RECE, per transaction type code and settlement transaction sub-category. |
| Settled amount | The sum of 'Settled amount' over DELI and RECE, per transaction type code and settlement transaction sub-category. |
| Total | Sum for each column in 'Total' body, summed over all transaction type / sub-category combinations. |

### 6.2.2 SST02 - Detailed finalised matched instructions

**Context of Usage**

This report shows detailed information on volume and quantities for all finalised settlement instructions (SIs), at CSD or CSD participant or securities account level, during a selected period of time. The settlement instructions are filtered according the settlement types of the securities that the user selects.

The volume, the instructed quantities and the settled quantities of settlement instructions are displayed per ISIN per settlement status.

The results are displayed aggregated per transaction type code, transaction sub-category and securities movement type and as totals.

This report can be used by CSD users.

**Report Access**

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> SST - T2S Securities account >> SST02

**Screenshot**

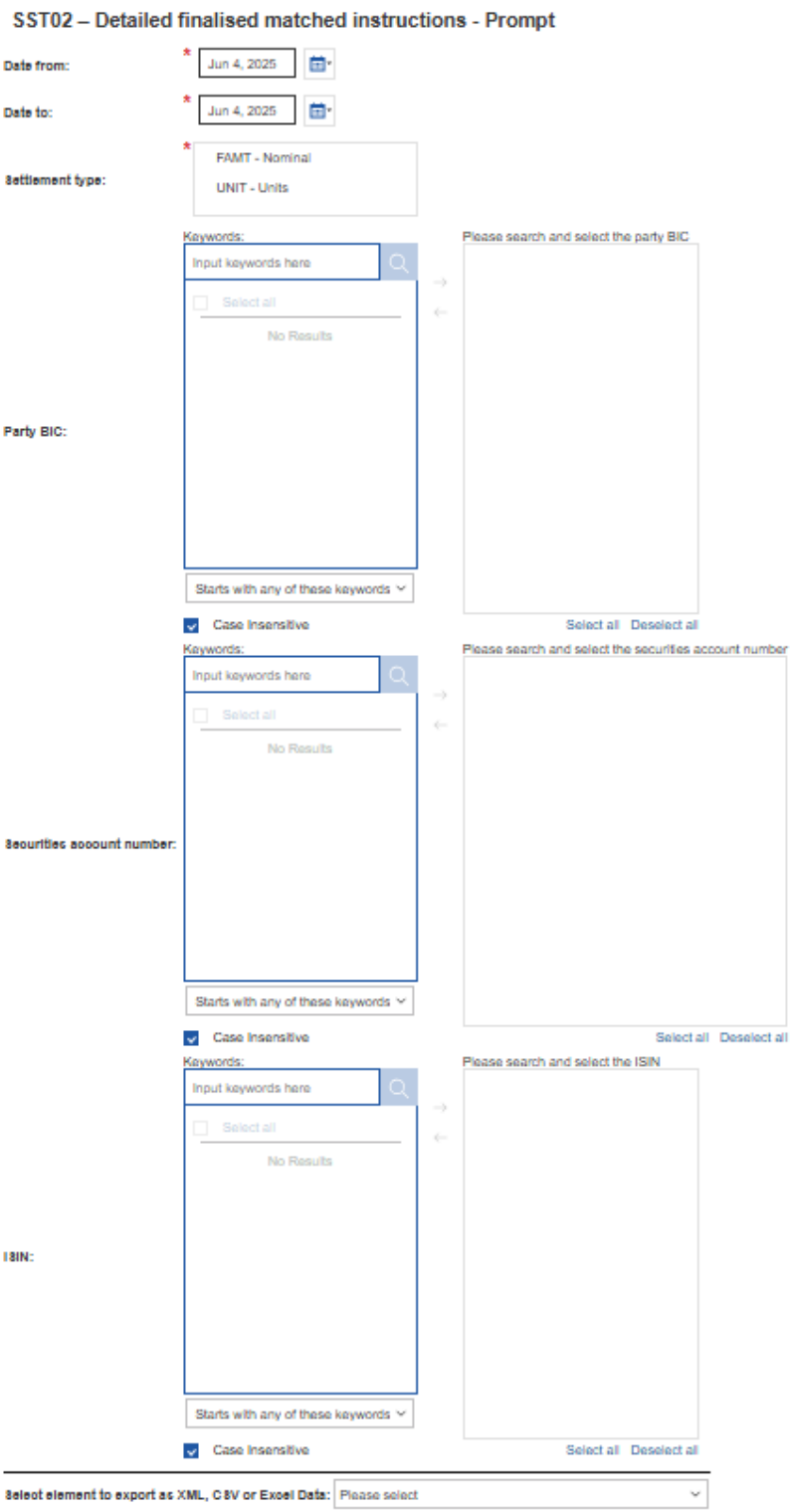



**Figure 400: SST02 Prompt**

## Field Description

| SST02 – Detailed finalised matched instructions – Prompt screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Settlement type | Shows the settlement type.<br>Possible values:<br>- FAMT - Nominal<br>- UNIT - Units<br>This field is mandatory |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| Securities account number | You can use this drop-down field to select one or several securities account numbers. This field will show all related securities accounts which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all securities account numbers belonging to the default data scope of the user's party.<br>This field is optional. |
| ISIN | The report output contains only settlement instructions with the selected securities.<br>This field is optional. |
| Select element to export as XML, CSV or Excel Data | You can choose the elements you want to download as either XML, CSV or Excel Data. For this report, you can choose between the following tabs:<br>- Securities account – Detailed finalised matched instructions – volume<br>- Securities account – Detailed finalised matched instructions – quantity<br>This field is optional. |

## Screenshot

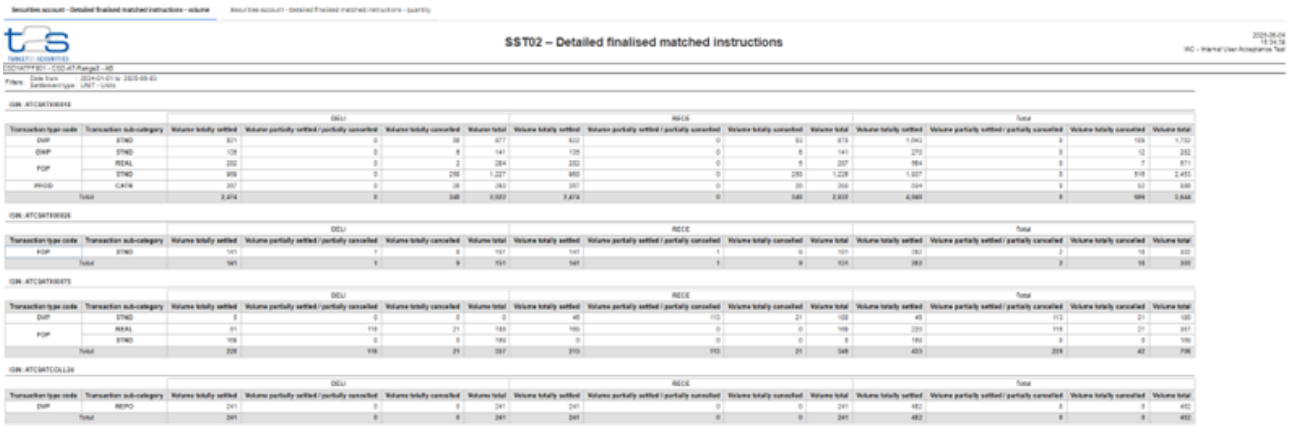



**Figure 401: SST02 output screen, tab 1**

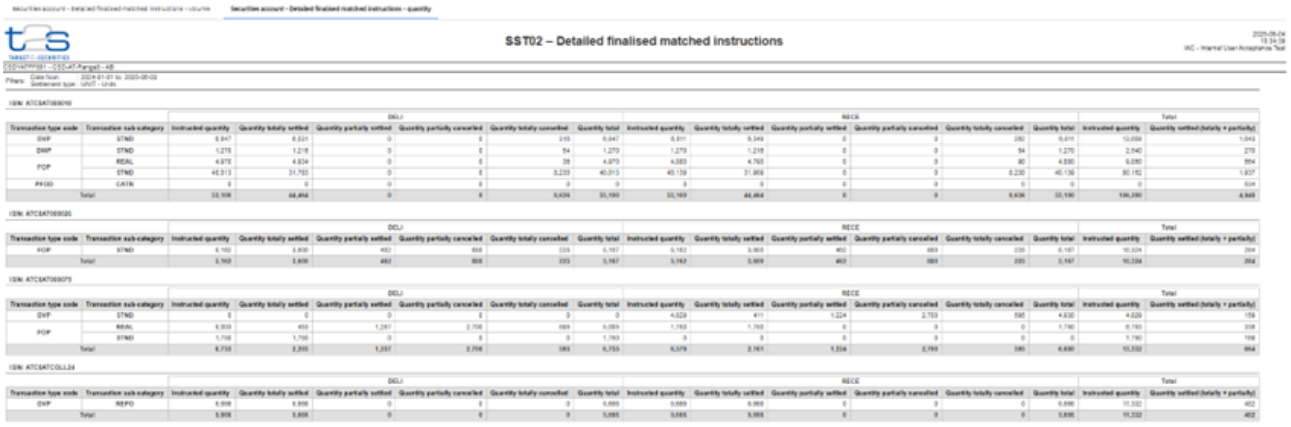



**Figure 402: SST02 output screen, tab 2**

## Field Description

| SST02 – Detailed finalised matched instructions – OUTPUT SCREEN – Tab 1<br>Securities account – Detailed finalised matched instructions - volume | |
|---|---|
| ISIN | Shows the data of the detailed matched settlement instructions aggregated per ISIN |
| Transaction type code | Shows the settlement transaction type code set during the selected period duration of time from the possible values:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- FOP (free of payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the subcategory of the settlement transaction from the possible values:<br>- ALOP, BPDF, BPIN, BPSU, COBS, COBR, COCP, CORT, CORU, EPDE, EPIS, REAL, RERV, REPO, RPDE, RPIN, RPSU, STND |
| **DELI** | |
| Volume totally settled | A count of the number of totally settled SIs with security movement type DELI, per transaction type and sub-category. |
| Volume partially settled / partially cancelled | A count of the number of partially settled/partially cancelled SIs with security movement type DELI, per transaction type and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs with security movement type DELI, per transaction type and sub-category. |
| Volume total | Sum of ‘Volume totally settled’, ‘Volume partially settled / partially cancelled’ and ‘Volume totally cancelled’ in the ‘DELI’ sub-table, per transaction type and sub-category. |
| **RECE** | |
| Volume totally settled | A count of the number of totally settled SIs found with security movement type RECE, per transaction type and sub-category. |
| Volume partially settled / partially cancelled | A count of the number of partially settled/partially cancelled SIs with security movement type DELI, per transaction type and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs found with security movement type DELI, per transaction type and sub-category. |
| Volume total | Sum of ‘Volume totally settled’, ‘Volume partially settled / partially cancelled’ and ‘Volume totally cancelled’ in the ‘DELI’ sub-table, per transaction type and sub-category. |

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| Total (across all movement types selected in the filter) | |
|---|---|
| Volume totally settled | A count of the number of totally settled SIs found with security movement type RECE, per transaction type and sub-category. |
| Volume partially settled / partially cancelled | A count of the number of partially settled/partially cancelled SIs with security movement type RECE, per transaction type and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs found with security movement type RECE, per transaction type and sub-category. |
| Volume total | Sum of ‘Total’ ‘over ‘DELI’ and ‘RECE’ sub-tables, per transaction type and sub-category. |
| Total | Sum for each column, summed over all transaction type / sub-category combinations. |

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| SST02 – Detailed finalised matched instructions – OUTPUT SCREEN – Tab 2<br>Securities account – Detailed finalised matched instructions - quantity | |
|---|---|
| Transaction type code | Shows the settlement transaction type code set during the selected period duration of time from the possible values:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- FOP (free of payment)<br>- PFOD (payment free of delivery) |
| Transaction sub-category | Shows the subcategory of the settlement transaction from the possible values:<br>- ALOP, BPDF, BPIN, BPSU, COBS, COBR, COCP, CORT, CORU, EPDE, EPIS, REAL, RERV, REPO, RPDE, RPIN, RPSU, STND |
| **DELI** | |
| Instructed quantity | Sum of instructed settlement quantities of all finalised SIs with securities movement type DELI, per transaction type and sub-category. |
| Quantity totally settled | Sum of settled settlement quantities of all totally settled SIs with securities movement type DELI, per transaction type and sub-category. |
| Quantity partially settled | Sum of settled settlement quantities of all partially settled SIs with securities movement type DELI, per transaction type and sub-category. |
| Quantity partially cancelled | Sum of unsettled settlement quantities of all partially cancelled SIs with securities movement type DELI, per transaction type and sub-category. |
| Quantity totally cancelled | Sum of unsettled settlement quantities of all totally cancelled SIs with securities movement type DELI, per transaction type and sub-category. |
| Quantity total | Sum of ‘Quantity totally settled’, ‘Quantity partially settled’, ‘Quantity partially cancelled’ and ‘Quantity totally cancelled’ in the ‘DELI’ sub-table, per transaction type and sub-category. |
| **RECE** | |
| Instructed quantity | Sum of instructed settlement quantities of all finalised SIs with securities movement type RECE, per transaction type and sub-category. |
| Quantity totally settled | Sum of settled settlement quantities of all totally settled SIs with securities movement type RECE, per transaction type and sub-category. |
| Quantity partially settled | Sum of settled settlement quantities of all partially settled SIs with securities movement type RECE, per transaction type and sub-category. |

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| | |
|---|---|
| Quantity partially cancelled | Sum of unsettled settlement quantities of all partially cancelled SIs with securities movement type RECE, per transaction type and sub-category. |
| Quantity totally cancelled | Sum of unsettled settlement quantities of all totally cancelled SIs with securities movement type RECE, per transaction type and sub-category. |
| Quantity total | Sum of 'Quantity totally settled', 'Quantity partially settled', 'Quantity partially cancelled' and 'Quantity totally cancelled' in the 'RECE' sub-table, per transaction type and sub-category. |
| **Total (across all movement types selected in the filter)** | |
| Instructed quantity | The sum of 'Instructed quantity' over 'DELI' and 'RECE', per transaction type and sub-category. |
| Quantity settled (totally + partially) | The sum of 'Quantity totally settled' and 'Quantity partially settled' over 'DELI' and 'RECE', per transaction type and sub-category. |
| Total | Total final: Sum for each column, summed over all transaction type / sub-category combinations. |

### 6.2.3 SST03 - Follow-up by time slot of securities postings

**Context of Usage**

This report shows the securities postings at CSD, CSDP or securities account level, during a selected period of time. The securities postings activity of the specified securities accounts are displayed as volume and quantity of securities for each time slot of the business day with a total per balance type, aggregated per ISIN.

This report can be used by CSD users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> SST - T2S Securities account >> SST03

**Screenshot**

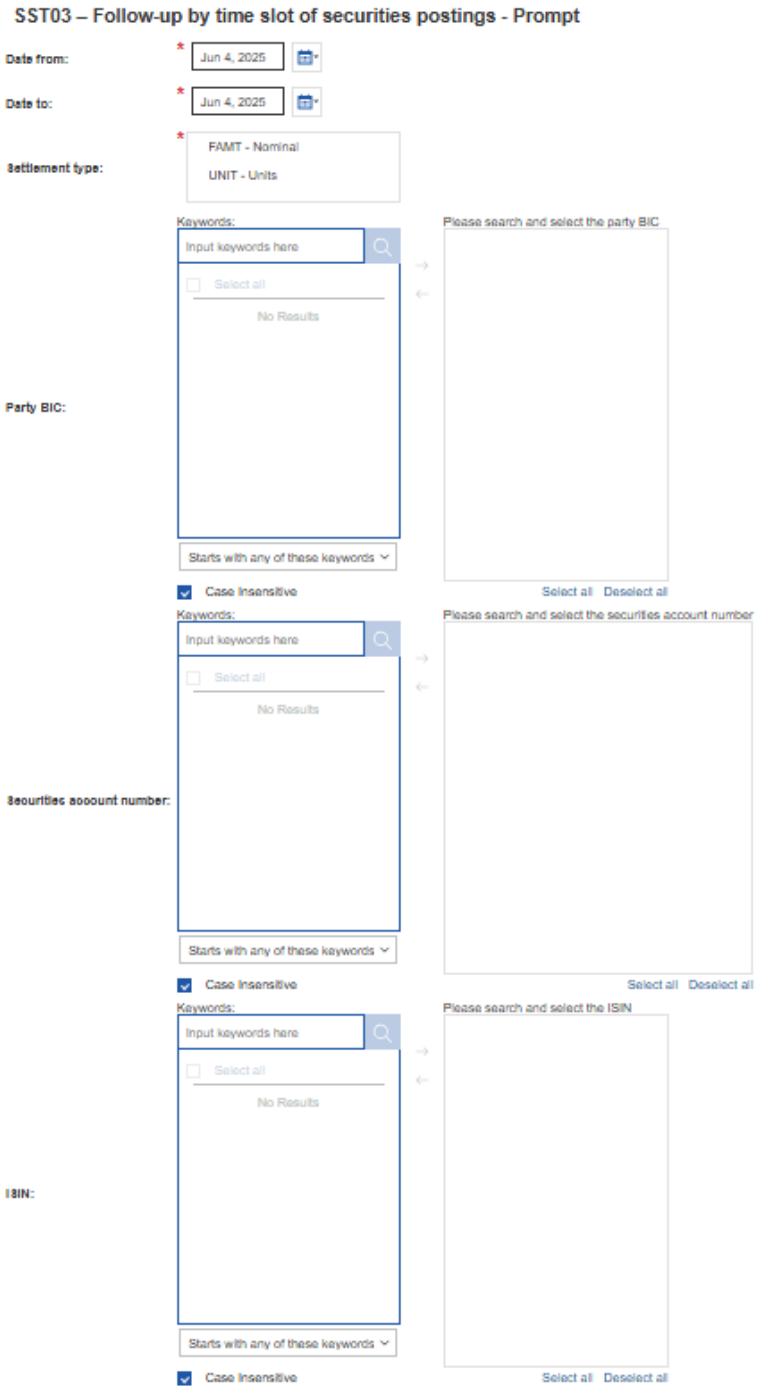
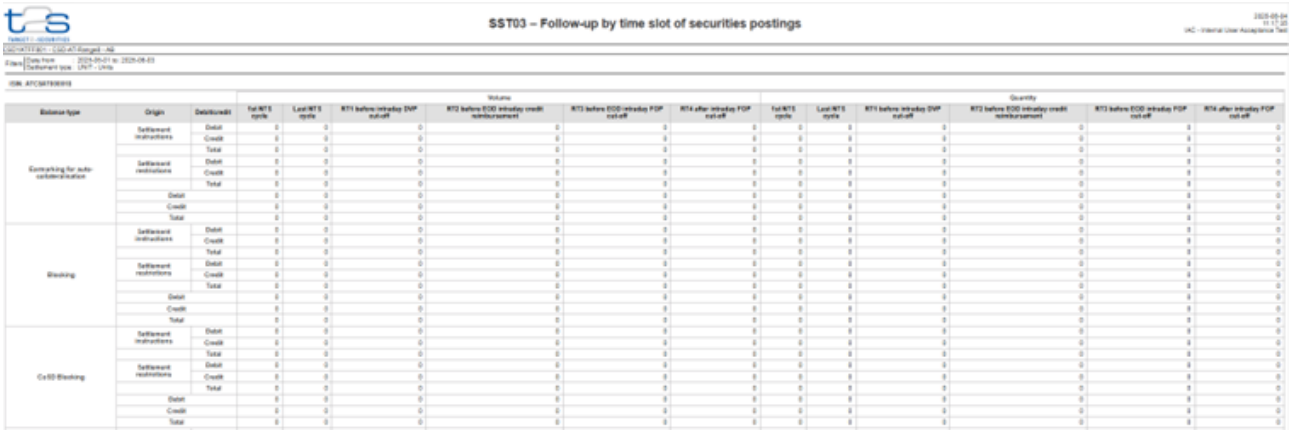



**Figure 403: SST03 Prompt screen**

## Field Description

| SST03 – Follow-up by time slot of securities postings – Prompt Screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Settlement type | Shows the settlement type.<br>Possible values:<br>- FAMT - Nominal<br>- UNIT - Units<br>This field is mandatory |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| Securities account number | You can use this drop-down field to select one or several securities account numbers. This field will show all related securities accounts which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all securities account numbers belonging to the default data scope of the user's party.<br>This field is optional. |
| ISIN | The report output contains only settlement instructions with the selected securities.<br>This field is optional. |

## Screenshot



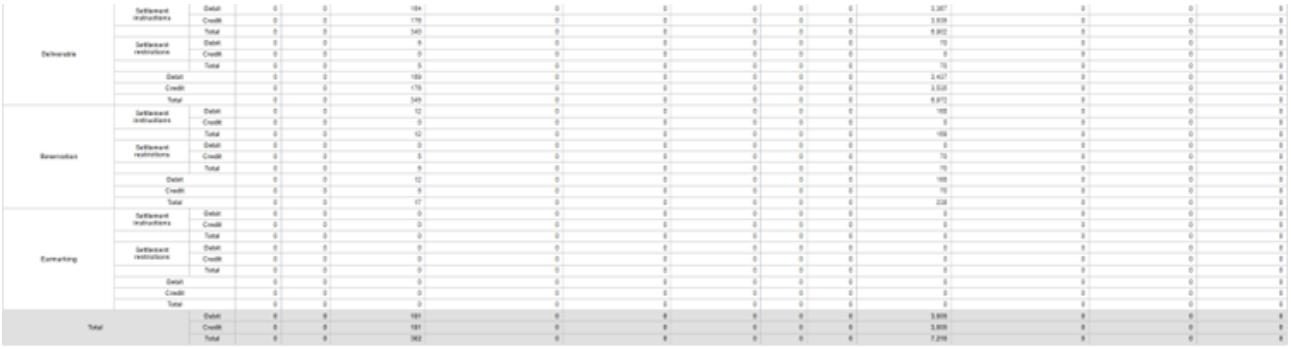


**Figure 404: SST03 output screen**

## Field Description

| SST03 – Follow-up by time slot of postings – Output Screen | |
|---|---|
| ISIN | Shows the data of the follow-up by time slot of cash postings aggregated per ISIN |
| Balance type | Shows the balance type for which the securities postings are displayed from the possible values:<br>- Earmarking for auto-collateralisation<br>- Blocking<br>- CoSD blocking<br>- Deliverable<br>- Reservation<br>- Earmarking |
| Origin | Shows the posting origin for which the securities postings are displayed from the possible values:<br>- Settlement instructions<br>- Settlement restrictions<br>- Total for all types |
| Debit/ Credit | The aggregation within origin of the securities postings on the debited/ credited side |
| **Volume** | |
| 1st NTS cycle | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| Last NTS cycle | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| RT1 before intraday DVP cut-off | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| RT2 before EOD intraday credit reimbursement | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| RT3 before EOD intraday FOP cut-off | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| RT4 after intraday FOP cut-off | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| **Quantity** | |
| 1st NTS cycle | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |

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| | |
|---|---|
| Last NTS cycle | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| RT1 before intraday DVP cut-off | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| RT2 before EOD intraday credit reimbursement | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| RT3 before EOD intraday FOP cut-off | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| RT4 after intraday FOP cut-off | The aggregation within debit/credit/total of all securities postings found for each designated time-slot. |
| **Total** | |
| Total (per balance type):<br>- Total deliverable<br>- Total earmarking<br>- Total earmarking for auto collateralisation<br>- Total reservation<br>- Total blocking<br>- Total COSD blocking | The sums of 'Volume' and 'Quantity' across 'Debit' and 'Credit' per column, over all origins within balance type. (sum of credits minus sum of debits). |
| Total debit | Shows the aggregated quantities of the securities postings for each designated time slot for debit. |
| Total credit | Shows the aggregated quantities of the securities postings for each designated time slot for credit. |
| Total | Shows overall totals per ISIN per column (sum of credits *minus* sum of debits) |

# 6.3 T2S Instructions (INX)

## 6.3.1 INX01 - Individual settlement detailed report

**Context of Usage**

This report shows all finalised business settlement instructions (SI) corresponding to the selected T2S references.

The attributes shown in the output provide business details related to each of the selected settlement instructions and are represented by a button to select the Delivery or Receiver tab for the corresponding perspective. This simplifies the comparison between the instructions.

This report can be used by CSD users.

## Report Access

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX01

## Screenshot

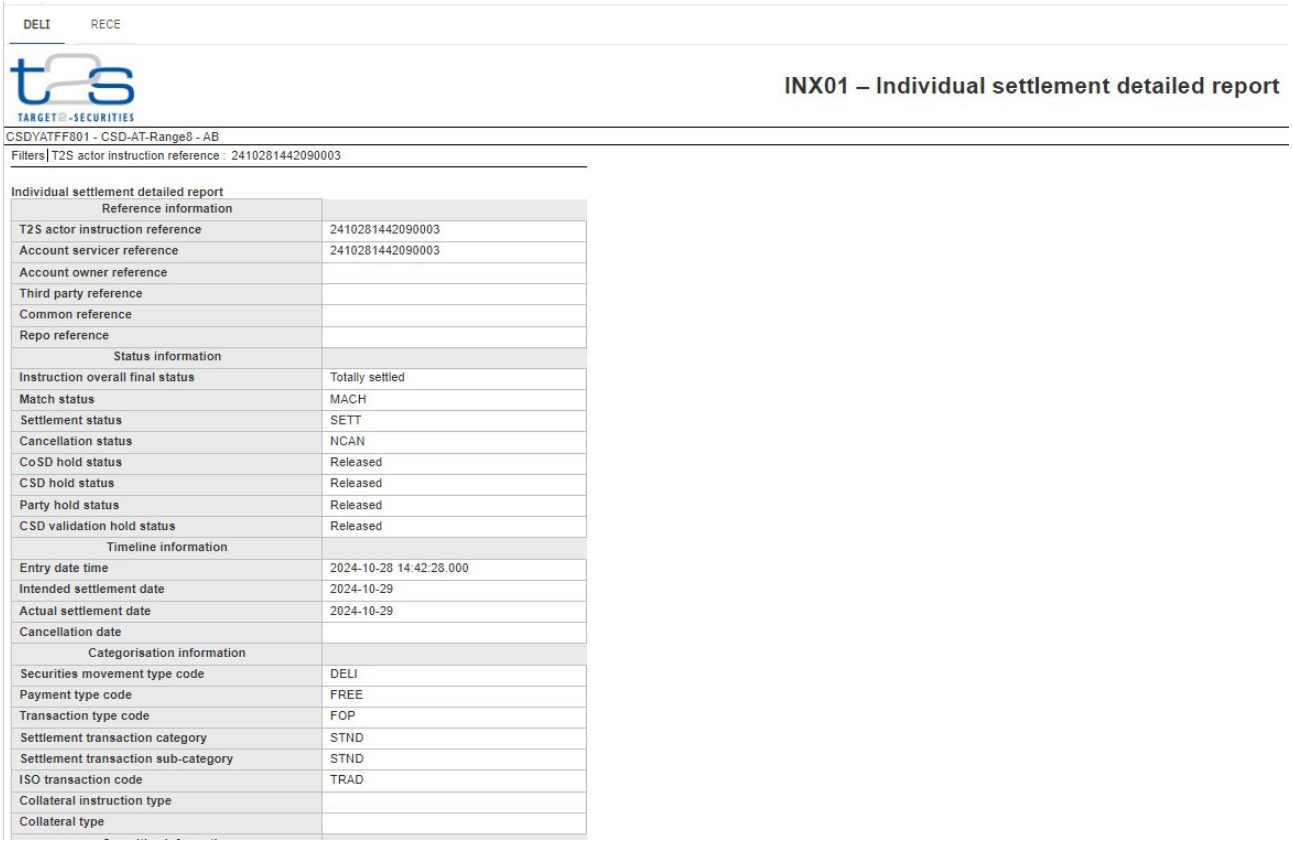



**Figure 405: INX01 prompt screen**

## Field Description

| INX01 – Individual settlement detailed report – Prompt Screen | |
|---|---|
| T2S actor instruction reference | You can use this text box fields to search one or several T2S actor instruction references. This field will show all related references, which belong to the default data scope of the user's party.<br>One or several references can be entered sequentially but a maximum of 3 may not be exceeded. Otherwise, a respective error screen will be sown.<br>This first text box field is mandatory. |

## Screenshot



DELI RECE

INX01 – Individual settlement detailed report

CSDYATFF801 - CSD-AT-Range8 - AB

Filters | T2S actor instruction reference : 2410281442090003

Individual settlement detailed report

| Reference information | |
|---|---|
| T2S actor instruction reference | 2410281442090003 |
| Account servicer reference | 2410281442090003 |
| Account owner reference | |
| Third party reference | |
| Common reference | |
| Repo reference | |
| **Status information** | |
| Instruction overall final status | Totally settled |
| Match status | MACH |
| Settlement status | SETT |
| Cancellation status | NCAN |
| CoSD hold status | Released |
| CSD hold status | Released |
| Party hold status | Released |
| CSD validation hold status | Released |
| **Timeline information** | |
| Entry date time | 2024-10-28 14:42:28.000 |
| Intended settlement date | 2024-10-29 |
| Actual settlement date | 2024-10-29 |
| Cancellation date | |
| **Categorisation information** | |
| Securities movement type code | DELI |
| Payment type code | FREE |
| Transaction type code | FOP |
| Settlement transaction category | STND |
| Settlement transaction sub-category | STND |
| ISO transaction code | TRAD |
| Collateral instruction type | |
| Collateral type | |

| | |
|---|---|
| ISIN | ATC8AT000018 |
| Account owner BIC | PMBKATFF802 |
| Securities account number | CSDPC8ATPB2002 |
| T2S delivering party securities account number | CSDPC8ATPB2002 |
| T2S receiving party securities account number | CSDPC8AT01001 |
| Securities sub balance type | |
| Settlement type code | UNIT |
| Instructed settlement quantity | 23 |
| Settled settlement quantity | 23 |
| Totally settled settlement quantity | 23 |
| Partially settled settlement quantity | 0 |
| Partially cancelled settlement quantity | 0 |
| Totally cancelled settlement quantity | 0 |
| Securities party information | |
| Delivering depository BIC | CSDYATFF801 |
| T2S delivering party BIC | PMBKATFF802 |
| Delivering settlement party processing reference | |
| Client of delivering CSD participant BIC | |
| Client of delivering CSD participant Id | |
| Client of delivering CSD participant issuer | |
| Client of delivering CSD participant schema name | |
| Receiving depository BIC | CSDYATFF801 |
| T2S receiving party BIC | CSDPATFF801 |
| Receiving settlement party processing reference | |
| Client of receiving CSD participant BIC | |
| Client of receiving CSD participant Id | |
| Client of receiving CSD participant issuer | |
| Client of receiving CSD participant schema name | |
| Cash information | |
| Currency code | |
| Credit/debit code | |
| Debtor party BIC | |
| Creditor party BIC | |
| T2S dedicated cash account number | |
| Debtor T2S dedicated cash account number | |
| Creditor T2S dedicated cash account number | |
| Instructed settlement amount | 0.00 |
| Transaction instructed amount | 0.00 |
| Matched settlement amount | 0.00 |
| Settled amount | 0.00 |
| Totally settled settlement amount | 0.00 |
| Partially settled settlement amount | 0.00 |
| Partially cancelled settlement amount | 0.00 |
| Totally cancelled settlement amount | 0.00 |

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| Trade information | |
|---|---|
| Trade date | 2024-10-29 |
| Original ordered amount | 0.00 |
| Original ordered currency | |
| Number of days accrued | 1 |
| CUM/EX indicator | |
| Deal price value type | |
| Deal price yielded | |
| Deal price value rate | 0 |
| Deal price value amount | 0.00 |
| Deal price value currency | |
| Foreign exchange unit currrency | |
| Foreign exchange quoted currrency | |
| Foreign exchange exchange rate | 0 |
| Foreign exchange resulting amount | 0.00 |
| Foreign exchange resulting amount currency | |
| Place of trade MIC identifier | |
| Place of trade description | |
| Market type code | |
| Market type proprietary Id | |
| Market type schema name | |
| Market type issuer name | |
| Market client side code | |
| LCMM information | |
| LCMM approval status | APPR |
| LCMM sending party short name | CSD-AT-Range8 - AB |
| LCMM instructing party short name | CSD-AT-Range8 - AB |
| LCMM execution/final settlement date | 2024-10-29 14:42:29.776 |
| LCMM user login name | C8AT09129CSD |
| LCMM inbound LCMM message Id | 2410280540971856 |
| LCMM inbound LCMM message ref | 1019090501 |
| LCMM validation starting timestamp | 2024-10-28 14:42:29.598 |
| LCMM validation ending timestamp | 2024-10-28 14:42:29.680 |
| LCMM entry business date | 2024-10-28 |
| POOL instruction counter | |
| POOL settlement date | |
| POOL identification | 0 |

**Figure 406: INX01 output screen**

## Field Description

| INX01 – Individual settlement detailed report – Output Screen<br>(These columns will be shown for every instruction selected in the prompt screen) | |
|---|---|
| DELI/RECE | By clicking on the button, the data of the individual settlement can be displayed for either the delivery or the receiver side. |
| **Reference information** | |
| T2S actor instruction reference | Shows the reference provided by the T2S actor |
| Account servicer reference | Shows the reference provided by the T2S actor when the instruction is sent by an account servicer. |
| Account owner reference | Shows the reference provided by the T2S actor when the instruction is sent by an account owner. |
| Third party reference | Shows the reference provided by the T2S actor when the instruction is sent by a third party. |
| Common reference | Reference provided by the instructing party when the settlement instruction is already –matched or in order to facilitate the matching within T2S. |
| Repo reference | Shows the repo reference. |
| **Status information** | |
| Instruction overall final status | Shows the final status.<br>Possible values:<br>- “Totally settled”<br>- “Partially settled”<br>- “Totally cancelled” |
| Match status | Shows if the settlement instruction is matched with a counterpart settlement instruction.<br>Possible values:<br>- NMAT (unmatched)<br>- MACH (matched) |
| Settlement status | Shows the settlement status<br>Possible values:<br>- USET (unsettled)<br>- PSET (partially settled)<br>- SETT (fully settled) |

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| | |
|---|---|
| Cancellation status | Shows the cancellation status<br>Possible values:<br>- NCAN (not cancelled)<br>- CANC (cancelled) |
| CoSD hold status | Shows the CoSD hold status if the settlement instruction fulfils at least one CoSD rule.<br>Possible values:<br>- Released<br>- On hold |
| CSD hold status | Shows the CSD hold status<br>Possible values:<br>- Released<br>- On hold |
| Party hold status | Shows the party hold status<br>Possible values:<br>- Released<br>- On hold |
| CSD validation hold status | Shows the CSD validation hold status<br>Possible values:<br>- Released<br>- On hold |
| **Timeline information** | |
| Entry date time | Shows the date when the settlement instruction entered the T2S system. Display format is: YYYY-MM-DD hh:mm: ss,sssss |
| Intended settlement date | Shows the intended settlement date. Display format is: YYYY-MM-DD |
| Actual settlement date | Shows the actual settlement date, if applicable. Display format is: YYYY-MM-DD |
| Cancellation date | Shows the date when the settlement instruction was cancelled, if applicable. Display format is: YYYY-MM-DD |
| **Categorisation information** | |
| Securities movement type code | Shows the direction of movement required by the settlement instruction. |

| | |
|---|---|
| | Possible values:<br>- DELI (deliver)<br>- RECE (receive) |
| Payment type code | Shows if cash settlement is also involved.<br>Possible values:<br>- APMT (against payment)<br>- FREE (free of payment) |
| Transaction type code | Shows the transaction type code.<br>Possible values:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- FOP (free of payment)<br>- PFOD (payment freed of delivery) |
| Settlement transaction category | Shows the transaction category.<br>Possible values:<br>- COLA (collateral)<br>- CORE (collateral relocation)<br>- LQTR (liquidity transfer)<br>- REAL (realignment)<br>- RSMG (restriction management)<br>- RESU (restriction use)<br>- RCOL (reverse collateral)<br>- STND (standard)<br>- TCAT (technical cash transfer)<br>- COTF (conditional technical FOP) |
| Settlement transaction sub-category | Shows the transaction sub-category.<br>Possible values:<br>- CATR (cash transfer)<br>- COBS (CoSD blocking position – setup)<br>- PLED (pledge)<br>- REAL (realignment)<br>- REPO (repo)<br>- STND (standard)<br>- SPLE (sub-pledge) |
| ISO transaction code | Shows the ISO transaction code.<br>Possible values: |

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| | |
|---|---|
| | AUTO (auto-collateralisation)<br>BSBK (buy sell back)<br>CLAI (market claim)<br>CNCB (cenrl bank collateral operation)<br>COLI (collateral in)<br>COLO (collateral out)<br>CONV (depository receipt conversion)<br>CORP (corporate action)<br>FCTA (factor update)<br>INSP (movement of stock)<br>ISSU (depository receipt issue)<br>MKDW (markdown)<br>MKUP (markup)<br>NETT (netting)<br>NSYN (non-syndicated)<br>OWNE (external account transfer)<br>OWNI (internal account transfer)<br>PAIR (pair-off)<br>PLAC (placement)<br>PORT (portfolio move)<br>REAL (realignment)<br>REDI (withdrawal)<br>REDM (redemption)<br>RELE (depository receipt release cancellation)<br>REPU (repo)<br>RODE (return delivery without matching)<br>RPTO (reporting)<br>RVPO (reverse repo)<br>SBBK (sell buyback)<br>SBRE (borrowing reallocation)<br>SECB (securities borrowing)<br>SECL (securities lending)<br>SLRE (lending reallocation)<br>SUBS (subscription)<br>SYND (syndicate underwriters)<br>TBAC (TBA closing)<br>TRAD (trade) |

| | |
|---|---|
| | ▪ TRPO (tri-party repo)<br>▪ TRVO (tri-party reverse repo)<br>▪ TURN (turnaround) |
| Collateral instruction type | Shows the collateral instruction type, if applicable.<br>Possible values:<br>▪ CRDT (credit instruction)<br>▪ RMBT (reimbursement collateral instruction) |
| Collateral type | Shows the collateral type, if applicable.<br>Possible values:<br>▪ CLNT (client collateralisation)<br>▪ NCBC (NCB collateralisation) |
| **Securities information** | |
| ISIN | Shows the ISIN. |
| Account owner BIC | Shows the BIC of the securities account owner as per the SI. |
| Securities account number | Shows the impacted securities account number as per the SI, |
| T2S delivering party securities account number | Shows the securities account number of the T2S delivering party. |
| T2S receiving party securities account number | Shows the securities account number of the T2S receiving party. |
| Securities sub balance type | Shows the securities sub balance type. |
| Settlement type | Shows the settlement type.<br>Possible values:<br>▪ FAMT (nominal)<br>▪ UNIT (units) |
| Instructed settlement quantity | Shows the instructed settlement quantity. |
| Settled settlement quantity | Shows the settled settlement quantity. |
| Totally settled settlement quantity | Shows the settled quantity if the SI is fully settled. |
| Partially settled settlement quantity | Shows the settled quantity if the SI is only partially settled. |

| | |
|---|---|
| Partially cancelled settlement quantity | Shows the remaining unsettled quantity if the SI is only partially settled |
| Totally cancelled settlement quantity | Shows the unsettled quantity if the SI is completely cancelled. |
| **Securities party information** | |
| Delivering depository BIC | Shows the BIC of the delivering CSD |
| T2S delivering party BIC | Shows the BIC of the T2S delivering party. |
| Delivering settlement party processing reference | Shows the processing reference provided in the delivering settlement party information. |
| Client of delivering CSD participant BIC | Shows the BIC of the delivering CSD participant's client. |
| Client of delivering CSD participant Id | Shows the local identifier of the delivering CSD participant's client. |
| Client of delivering CSD participant issuer | Shows the issuer of the local identifier of the delivering CSD participant's client. |
| Client of delivering CSD participant schema name | Shows the schema name of the local identifier of the delivering CSD participant's client. |
| Receiving depository BIC | Shows the BIC of the receiving CSD. |
| T2S receiving party BIC | Shows the BIC of the T2S receiving party. |
| Receiving settlement party processing reference | Shows the processing reference provided in the receiving settlement party information. |
| Client of receiving CSD participant BIC | Shows the BIC of the receiving CSD participant's client. |
| Client of receiving CSD participant Id | Shows the local identifier of the receiving CSD participant's client. |
| Client of receiving CSD participant issuer | Shows the issuer of the local identifier of the receiving CSD participant's client. |
| Client of receiving CSD participant schema name | Shows the schema name of the local identifier of the receiving CSD participant's client. |
| **Cash information** | |

| | |
|---|---|
| (Please note, that this part will be empty for Settlement Instructions with transaction code = FOP) | |
| Currency code | Shows the currency code. |
| Credit/debit code | Shows if the settlement instruction involves a debit or credit of cash.<br>Possible values:<br>- CRDT (credit)<br>- DBIT (debit) |
| Debtor party BIC | Shows the BIC of the debtor party. |
| Creditor party BIC | Shows the BIC of the creditor party. |
| T2S dedicated cash account number | Shows the impacted T2S dedicated cash account number. |
| Debtor T2S dedicated cash account number | Shows T2S dedicated cash account number being debited. |
| Creditor T2S dedicated cash account number | Shows T2S dedicated cash account number being credited. |
| Instructed settlement amount | Shows the instructed settlement amount. |
| Transaction instructed amount | Shows the instructed amount as per the transaction. |
| Matched settlement amount | This is the matched settlement amount for the matched transactions. |
| Settled amount | Shows the settled amount. |
| Totally settled settlement amount | Shows the settled amount if the SI is fully settled. |
| Partially settled settlement amount | Shows the settled amount if the SI is only partially settled |
| Partially cancelled settlement amount | Shows the unsettled amount if the SI is only partially settled. |
| Totally cancelled settlement amount | Shows the unsettled amount if the SI is fully cancelled. |
| **Process information** | |
| Cancellation requested | Shows if a cancellation has been requested on the settlement instruction. |

| | |
|---|---|
| | Possible values:<br>- False<br>- True |
| Externally matched | Shows if the settlement instruction was matched outside T2S.<br>Possible values:<br>- False<br>- True |
| CoSD flag | Shows the CoSD flag if the settlement instruction belongs to a CoSD group.<br>Possible values:<br>- False<br>- True |
| Partial settlement indicator | Shows the partial settlement indicator.<br>Possible values:<br>- NPAR (partial not allowed)<br>- PART (partial settlement cash threshold allowed)<br>- PARC (partial settlement quantity threshold allowed)<br>- PARQ (partial allowed) |
| Priority | Shows the priority.<br>Possible values:<br>- 0001 (reserved)<br>- 0002 (top)<br>- 0003 (high)<br>- 0004 (normal) |
| Allowed modification flag | Shows the allowed modification flag<br>Possible values:<br>- False<br>- True |
| Corporate action event identification | Shows the corporate action event identification if the SI relates to a corporate action. |

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| | |
|---|---|
| Opt-out settlement transaction condition indicator | Shows the opt-out settlement transaction condition indicator.<br>Possible values:<br>- False<br>- True |
| External CSD flag | Shows whether the relevant depository is an external CSD.<br>Possible values:<br>False<br>True |
| Original/counterpart instruction | Shows whether it is the original instruction or the identifier of the counterpart's instructions. |
| Link instruction counter | Shows the number of instructions linked to this settlement instruction. |
| **Trade information** | |
| Trade date | Shows the trade date of the settlement instruction. Display format is: YYYY-MM-DD |
| Original ordered amount | Shows the original ordered amount in the original currency when a conversion from/into another currency has occurred. |
| Original ordered currency | Shows the original ordered currency when a conversion from/into another currency has occurred. |
| Number of days accrued | Shows the number of days for which interest has accrued. |
| CUM/EX indicator | Shows whether the contract was traded cum or ex coupon<br>Possible values:<br>- CUM (cum coupon)<br>- EX (ex coupon) |
| Deal price value type | Shows the type of value in which the price of the traded financial instrument is expressed.<br>Possible values:<br>- DISC (discount)<br>- PREM (premium)<br>- PARV (par or face amount) |

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| | |
|---|---|
| Deal price yielded | Shows whether the price is expressed as a yield.<br>Possible values:<br>- False<br>- True |
| Deal price value rate | Shows the deal price value expressed as a rate or percentage when not expressed as an amount. |
| Deal price value amount | Shows the deal price value expressed as an amount when not expressed as a rate. |
| Deal price value currency | Shows the deal price value currency when not expressed as a rate. |
| Foreign exchange unit currrency | Shows the currency in which the rate of exchange is expressed in a currency exchange. |
| Foreign exchange quoted currrency | Shows the currency into which the base currency is converted in a currency exchange. |
| Foreign exchange rate | Shows the factor for the currency exchange. |
| Foreign exchange resulting amount | Shows the amount resulting from the currency exchange. |
| Foreign exchange resulting amount currency | Shows the currency of the amount resulting from the currency exchange. |
| Place of trade MIC identifier | Shows the market identifier code of the place of trade. |
| Place of trade description | Shows the description of the place of trade. |
| Market type code | Shows the market type code. |
| Market type proprietary Id | Shows the proprietary id of the market type when not using the ISO market type code. |
| Market type schema name | Shows the schema name associated with the proprietary id of the market type when not using the ISO market type code. |
| Market type issuer name | Shows the issuer name associated with the proprietary id of the market type when not using the ISO market type code. |

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| | |
|---|---|
| Market client side code | Shows the market side code.<br>Possible values:<br>- CLNT (client side transaction)<br>- MAKT (market side transaction) |
| **LCMM information** | |
| LCMM approval status | Shows the LCMM approval status.<br>Possible values:<br>- APPR (approved (default value))<br>- AWAP (awaiting approval)<br>- REJT (rejected)<br>- RVKD (revoked) |
| LCMM sending party short name | Shows the sending party short name |
| LCMM instructing party short name | Shows the instructing party short name |
| LCMM execution/final settlement date | Shows the business date when the SI is totally settled.<br>Displayed format is : YYYY-MM-DD. |
| LCMM user login name | Shows the login name of the LCMM user. |
| LCMM inbound LCMM message Id | Shows the foreign key of the LCMM inbound message id. |
| LCMM inbound LCMM message ref | Shows the reference of the LCMM inbound message. |
| LCMM validation starting timestamp | Shows the LCMM validation starting timestamp.<br>Display format is: YYYY-MM-DD hh:mm:ss,sssss |
| LCMM validation ending timestamp | Shows the LCMM validation ending timestamp.<br>Displayed format is:<br>YYYY-MM-DD hh:mm:ss,sssss |
| LCMM entry business date | Shows the LCMM entry business date.<br>Displayed format is: YYYY-MM-DD |
| POOL instruction counter | Shows the number of instructions that make up a pool as identified on the settlement instruction. |

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| | |
|---|---|
| POOL settlement date | Shows the pool settlement date.<br>Displayed format is: YYYY-MM-DD |
| POOL identification | Shows the reference identifying a pool as found on the settlement instruction. |

### 6.3.2 INX02 - Multi-criteria search of a set of settlement instructions

**Context of Usage**

This report shows a list of details for selected finalised business settlement instructions (SI), which it performs in two levels. In the first level, the report produces a list of SIs corresponding to user-supplied filter criteria. In the second level, the user may select one SI from the list and the detailed report provides a full list of attributes of the selected SI.

The attributes shown in the detailed report output provide business details related to the selected SI.

This report can be used by CSD users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX02

**Screenshot**




**Figure 407: INX02 pre-selection screen**

## Field Description

| INX02 – Multi-criteria search of a set of settlement instructions – Pre-selection screen | |
|---|---|
| **Choose data object**<br>(one of both objects has to be chosen) | |
| Party BIC | Provides fields for searching securities party BICs or cash party BICs in the next screen |
| Account number | Provides fields for searching for securities account numbers or cash account numbers in the next screen |
| **Additional search criteria**<br>(both objects are optional) | |
| Quantity of securities | Provides fields for searching different quantity ranges in the next screen |
| Amounts | Provides fields for searching different amount ranges in the next screen |

**Screenshot**

**INX02 – Prompt**

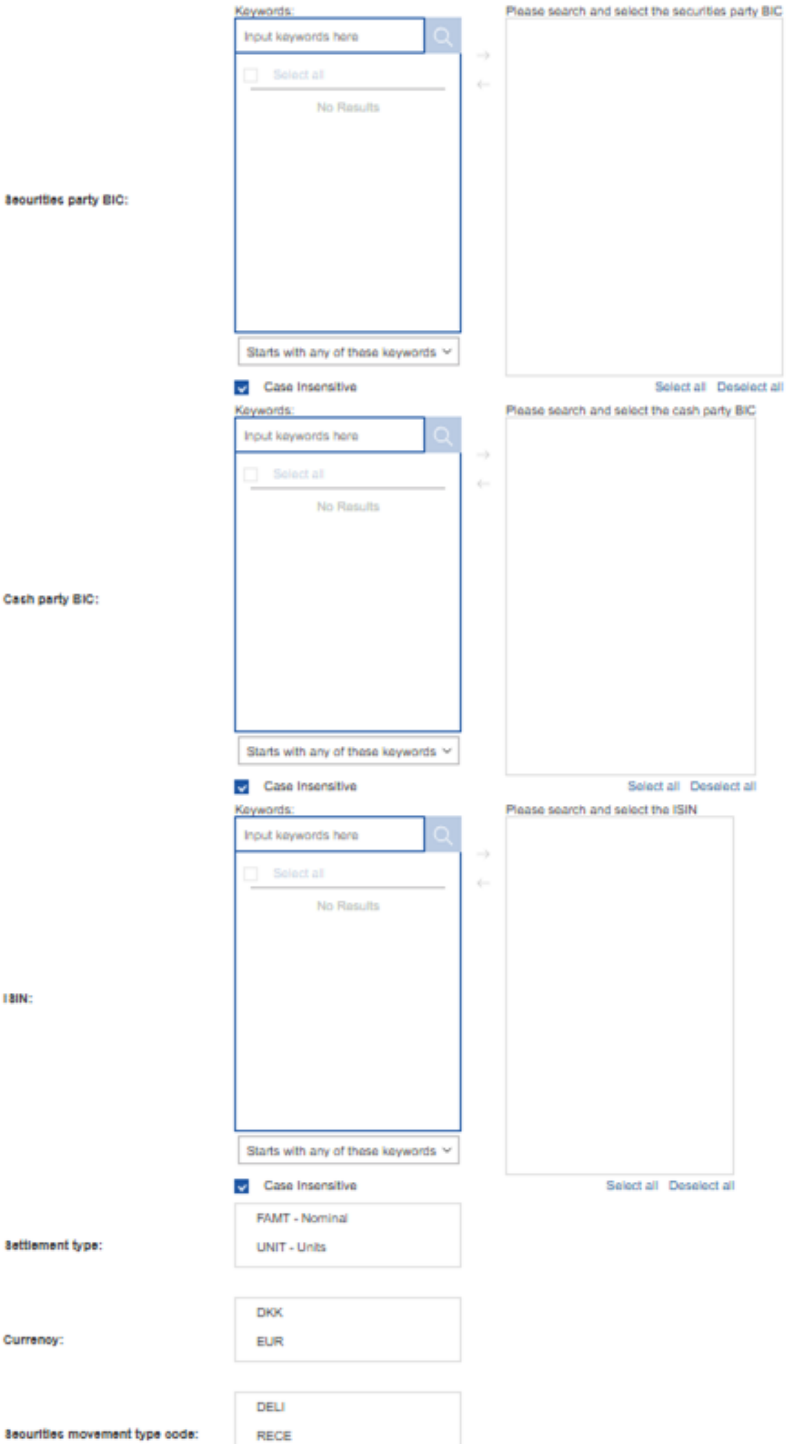





**Figure 408: INX02 prompt screen – Party BIC**

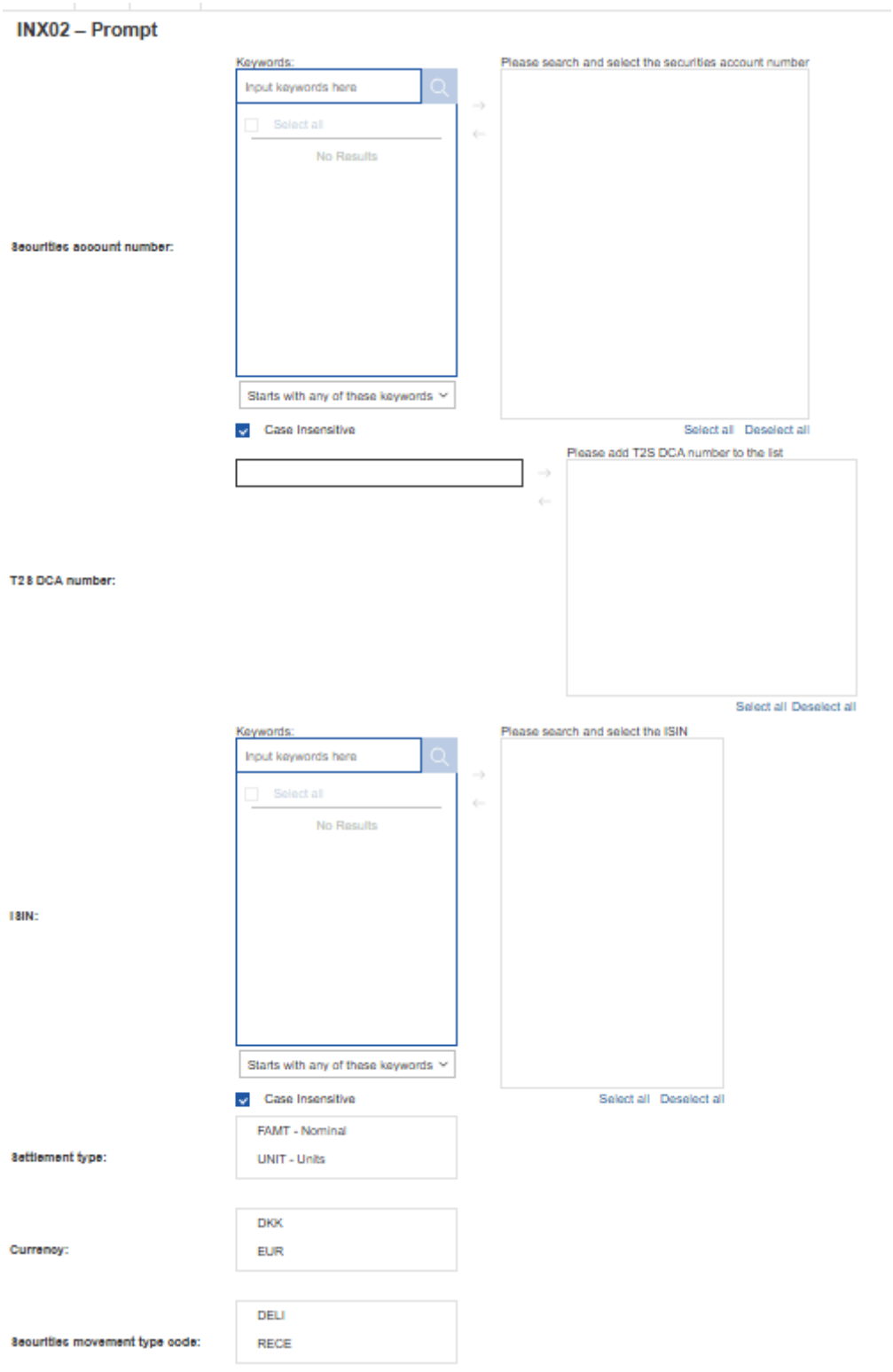

INX02 – Prompt
Keywords:
Input keywords here
Select all
No Results
Please search and select the securities account number
Securities account number:
Starts with any of these keywords
Case Insensitive
Select all Deselect all
Please add T2S DCA number to the list
T2S DCA number:
Select all Deselect all
Keywords:
Input keywords here
Select all
No Results
Please search and select the ISIN
ISIN:
Starts with any of these keywords
Case Insensitive
Select all Deselect all
FAMT - Nominal
UNIT - Units
Settlement type:
DKK
EUR
Currency:
DELI
RECE
Securities movement type code:




**Figure 409: INX02 prompt screen - Account Number**

## Field Description

| INX02 – Multi-criteria search of a set of settlement instructions – Prompt Screen | |
|---|---|
| **Displayed fields when selecting Party BIC** | |
| Securities party BIC | Filter to select which securities party BIC (CSDs, CSD participants or ECSDs) value/s should be included in the output. |
| Cash party BIC | Filter to select which cash party BIC (NCB or payment bank) value/s should be included in the output. |
| **Displayed fields when selecting Account number** | |
| Securities account number | Filter to select which securities account number value/s should be included in the output. |
| T2S DCA number | Multiple selection text field to enter T2S DCA number value/s that should be included in the output. |
| ISIN | Filter to select which ISIN value/s should be included in the output. |
| Settlement type | Filter to select which settlement type value/s should be included in the output. Possible values:<br>- FAMT - Nominal<br>- UNIT - Units |
| Currency | The report output contains only settlement instructions with the selected settlement currency codes. |
| Securities movement type code | Filter to select which securities movement type code value/s should be included in the output. Possible values:<br>- DELI<br>- RECE |
| Transaction type code | Filter to select which transaction type code value/s should be included in the output. Possible values:<br>- DVP<br>- DWP<br>- FOP<br>- PFOD |
| Settlement transaction category | Filter to select which settlement transaction category value/s should be included in the output.<br>Possible values: |

| | |
|---|---|
| | - COLA<br>- CORE<br>- LQTR<br>- REAL<br>- RSMG<br>- RESU<br>- RCOL<br>- STND<br>- TCAT<br>- COTF |
| Settlement transaction sub-category | Filter to select which settlement transaction sub-category value/s should be included in the output.<br>Possible values:<br>- CATR<br>- COBS<br>- PLED<br>- REAL<br>- REPO<br>- STND<br>- SPLE |
| LCMM approval status | Filter to select which LCMM approval status value/s should be included in the output.<br>Possible values:<br>- APPR<br>- AWAP<br>- REJT<br>- RVKD |
| Settlement status | Filter to select which settlement status value/s should be included in the output.<br>Possible values:<br>- USET<br>- PSET<br>- SETT |
| Cancellation status | Filter to select which cancellation status value/s should be included in the output.<br>Possible values:<br>- NCAN<br>- CANC |
| Entry date from | Filter to select the inclusive date from which entry date value/s should be included in the output. |

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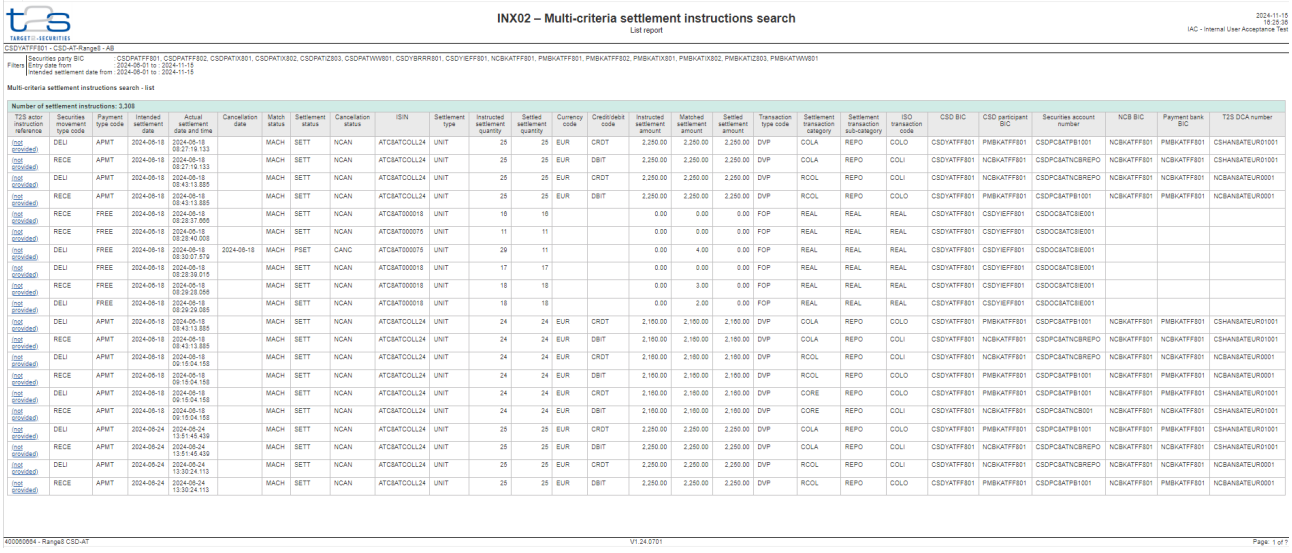
| | |
|---|---|
| | Must be used in conjunction with:<br>• entry date to |
| Entry date to | Filter to select the inclusive date up to which entry date value/s should be included in the output.<br>Must be used in conjunction with:<br>• entry date from |
| Intended settlement date from | Filter to select the inclusive date from which intended settlement date value/s should be included in the output.<br>Must be used in conjunction with:<br>• intended settlement date to |
| Intended settlement date to | Filter to select the inclusive date up to which intended settlement date value/s should be included in the output.<br>Must be used in conjunction with:<br>• intended settlement date from |
| The following criteria are only shown in case that “Quantity of securities” was chosen as additional search criteria | |

| | |
|---|---|
| Instructed quantity from | Filter to select the inclusive quantity from which instructed quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• instructed quantity to |
| Instructed quantity to | Filter to select the inclusive quantity up to which instructed quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• instructed quantity from |
| Settled quantity from | Filter to select the inclusive quantity from which settled quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• settled quantity to |
| Settled quantity to | Filter to select the inclusive quantity up to which settled quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• settled quantity from |
| Cancelled quantity from | Filter to select the inclusive quantity from which cancelled quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• cancelled quantity to |
| Cancelled quantity to | Filter to select the inclusive quantity up to which cancelled quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• cancelled quantity from |
| The following criteria are only shown in case that “Amounts” was chosen as additional search criteria | |
| Instructed amount from | Filter to select the inclusive amount from which instructed amount value/s should be included in the output.<br>Must be used in conjunction with:<br>• instructed amount to |
| Instructed amount to | Filter to select the inclusive amount up to which instructed amount value/s should be included in the output.<br>Must be used in conjunction with:<br>• instructed amount from |
| Settled amount from | Filter to select the inclusive amount from which settled amount value/s should be included in the output. |

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| | |
|---|---|
| | Must be used in conjunction with:<br>• settled amount to |
| Settled amount to | Filter to select the inclusive amount up to which settled amount value/s should be included in the output.<br>Must be used in conjunction with:<br>• settled amount from |
| Cancelled amount from | Filter to select the inclusive amount from which cancelled amount value/s should be included in the output.<br>Must be used in conjunction with:<br>• cancelled amount to |
| Cancelled amount to | Filter to select the inclusive amount up to which cancelled amount value/s should be included in the output.<br>Must be used in conjunction with:<br>• cancelled amount from |

## Screenshot



INX02 – Multi-criteria settlement instructions search
List report

Number of settlement instructions: 3,308

| T2S actor instruction reference | Securities movement type code | Payment type code | Intended settlement date | Actual settlement date and time | Cancellation date | Match status | Settlement status | Cancellation status | ISIN | Settlement type | Instructed settlement quantity | Settled settlement quantity | Currency code | Credit/debit code | Instructed settlement amount | Matched settlement amount | Settled settlement amount | Transaction type code | Settlement transaction category | Settlement transaction sub-category | ISO transaction code | CSD BIC | CSD participant BIC | Securities account number | NCB BIC | Payment bank BIC | T2S DCA number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (not provided) | DELI | APMT | 2024-06-18 | 2024-06-18 08:27:19.133 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 25 | 25 | EUR | CRDT | 2,250.00 | 2,250.00 | 2,250.00 | DVP | COLA | REPO | COLO | CSDYATFF801 | PMBKATFF801 | CSDPC8ATPB1001 | NCBKATFF801 | PMBKATFF801 | CSHANSATEUR01001 |
| (not provided) | RECE | APMT | 2024-06-18 | 2024-06-18 08:27:19.133 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 25 | 25 | EUR | DBIT | 2,250.00 | 2,250.00 | 2,250.00 | DVP | COLA | REPO | COLI | CSDYATFF801 | NCBKATFF801 | CSDPC8ATNCBREPO | NCBKATFF801 | NCBKATFF801 | CSHANSATEUR01001 |
| (not provided) | DELI | APMT | 2024-06-18 | 2024-06-18 08:43:13.885 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 25 | 25 | EUR | CRDT | 2,250.00 | 2,250.00 | 2,250.00 | DVP | RCOL | REPO | COLI | CSDYATFF801 | NCBKATFF801 | CSDPC8ATNCBREPO | NCBKATFF801 | NCBKATFF801 | NCBANSATEUR0001 |
| (not provided) | RECE | APMT | 2024-06-18 | 2024-06-18 08:43:13.885 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 25 | 25 | EUR | DBIT | 2,250.00 | 2,250.00 | 2,250.00 | DVP | RCOL | REPO | COLO | CSDYATFF801 | PMBKATFF801 | CSDPC8ATPB1001 | NCBKATFF801 | PMBKATFF801 | NCBANSATEUR0001 |
| (not provided) | RECE | FREE | 2024-06-18 | 2024-06-18 08:28:37.666 | | MACH | SETT | NCAN | AT0BAT000018 | UNIT | 16 | 16 | | | 0.00 | 0.00 | 0.00 | FOP | REAL | REAL | REAL | CSDYATFF801 | CSDYIEFF801 | CSDOC8ATCBIE001 | | | |
| (not provided) | RECE | FREE | 2024-06-18 | 2024-06-18 08:28:40.008 | | MACH | SETT | NCAN | AT0BAT000075 | UNIT | 11 | 11 | | | 0.00 | 0.00 | 0.00 | FOP | REAL | REAL | REAL | CSDYATFF801 | CSDYIEFF801 | CSDOC8ATCBIE001 | | | |
| (not provided) | DELI | FREE | 2024-06-18 | 2024-06-18 08:30:07.579 | 2024-06-18 | MACH | PSET | CANC | AT0BAT000075 | UNIT | 29 | 11 | | | 0.00 | 4.00 | 0.00 | FOP | REAL | REAL | REAL | CSDYATFF801 | CSDYIEFF801 | CSDOC8ATCBIE001 | | | |
| (not provided) | DELI | FREE | 2024-06-18 | 2024-06-18 08:28:39.015 | | MACH | SETT | NCAN | AT0BAT000018 | UNIT | 17 | 17 | | | 0.00 | 0.00 | 0.00 | FOP | REAL | REAL | REAL | CSDYATFF801 | CSDYIEFF801 | CSDOC8ATCBIE001 | | | |
| (not provided) | RECE | FREE | 2024-06-18 | 2024-06-18 08:28:26.056 | | MACH | SETT | NCAN | AT0BAT000018 | UNIT | 18 | 18 | | | 0.00 | 3.00 | 0.00 | FOP | REAL | REAL | REAL | CSDYATFF801 | CSDYIEFF801 | CSDOC8ATCBIE001 | | | |
| (not provided) | DELI | FREE | 2024-06-18 | 2024-06-18 08:29:29.085 | | MACH | SETT | NCAN | AT0BAT000018 | UNIT | 18 | 18 | | | 0.00 | 2.00 | 0.00 | FOP | REAL | REAL | REAL | CSDYATFF801 | CSDYIEFF801 | CSDOC8ATCBIE001 | | | |
| (not provided) | DELI | APMT | 2024-06-18 | 2024-06-18 08:43:13.885 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 24 | 24 | EUR | CRDT | 2,160.00 | 2,160.00 | 2,160.00 | DVP | COLA | REPO | COLO | CSDYATFF801 | PMBKATFF801 | CSDPC8ATPB1001 | NCBKATFF801 | PMBKATFF801 | CSHANSATEUR01001 |
| (not provided) | RECE | APMT | 2024-06-18 | 2024-06-18 08:43:13.885 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 24 | 24 | EUR | DBIT | 2,160.00 | 2,160.00 | 2,160.00 | DVP | COLA | REPO | COLI | CSDYATFF801 | NCBKATFF801 | CSDPC8ATNCBREPO | NCBKATFF801 | NCBKATFF801 | CSHANSATEUR01001 |
| (not provided) | DELI | APMT | 2024-06-18 | 2024-06-18 09:15:04.158 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 24 | 24 | EUR | CRDT | 2,160.00 | 2,160.00 | 2,160.00 | DVP | RCOL | REPO | COLI | CSDYATFF801 | NCBKATFF801 | CSDPC8ATNCBREPO | NCBKATFF801 | NCBKATFF801 | NCBANSATEUR0001 |
| (not provided) | RECE | APMT | 2024-06-18 | 2024-06-18 09:15:04.158 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 24 | 24 | EUR | DBIT | 2,160.00 | 2,160.00 | 2,160.00 | DVP | RCOL | REPO | COLO | CSDYATFF801 | PMBKATFF801 | CSDPC8ATPB1001 | NCBKATFF801 | PMBKATFF801 | NCBANSATEUR0001 |
| (not provided) | DELI | APMT | 2024-06-18 | 2024-06-18 09:15:04.158 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 24 | 24 | EUR | CRDT | 2,160.00 | 2,160.00 | 2,160.00 | DVP | CORE | REPO | COLO | CSDYATFF801 | PMBKATFF801 | CSDPC8ATPB1001 | NCBKATFF801 | PMBKATFF801 | CSHANSATEUR01001 |
| (not provided) | RECE | APMT | 2024-06-18 | 2024-06-18 09:15:04.158 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 24 | 24 | EUR | DBIT | 2,160.00 | 2,160.00 | 2,160.00 | DVP | CORE | REPO | COLI | CSDYATFF801 | NCBKATFF801 | CSDPC8ATNCB001 | NCBKATFF801 | NCBKATFF801 | CSHANSATEUR01001 |
| (not provided) | DELI | APMT | 2024-06-24 | 2024-06-24 13:51:45.439 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 25 | 25 | EUR | CRDT | 2,250.00 | 2,250.00 | 2,250.00 | DVP | COLA | REPO | COLO | CSDYATFF801 | PMBKATFF801 | CSDPC8ATPB1001 | NCBKATFF801 | PMBKATFF801 | CSHANSATEUR01001 |
| (not provided) | RECE | APMT | 2024-06-24 | 2024-06-24 13:51:45.439 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 25 | 25 | EUR | DBIT | 2,250.00 | 2,250.00 | 2,250.00 | DVP | COLA | REPO | COLI | CSDYATFF801 | NCBKATFF801 | CSDPC8ATNCBREPO | NCBKATFF801 | NCBKATFF801 | CSHANSATEUR01001 |
| (not provided) | DELI | APMT | 2024-06-24 | 2024-06-24 13:30:24.113 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 25 | 25 | EUR | CRDT | 2,250.00 | 2,250.00 | 2,250.00 | DVP | RCOL | REPO | COLI | CSDYATFF801 | NCBKATFF801 | CSDPC8ATNCBREPO | NCBKATFF801 | NCBKATFF801 | NCBANSATEUR0001 |
| (not provided) | RECE | APMT | 2024-06-24 | 2024-06-24 13:30:24.113 | | MACH | SETT | NCAN | AT0BATCOLL24 | UNIT | 25 | 25 | EUR | DBIT | 2,250.00 | 2,250.00 | 2,250.00 | DVP | RCOL | REPO | COLO | CSDYATFF801 | PMBKATFF801 | CSDPC8ATPB1001 | NCBKATFF801 | PMBKATFF801 | NCBANSATEUR0001 |

**Figure 410: INX02 list screen**

## Field Description

| INX02 – Multi-criteria search of a set of settlement instructions – List Screen | |
|---|---|
| Number of settlement instructions | Shows the number of settlement instructions found matching the criteria |
| **(For each instruction matching the selection criteria, one line will be displayed)** | |
| T2S actor instruction reference | Shows the reference provided by the T2S actor<br>The reference is built as a hyperlink which leads to the output details screen when clicked. |
| Securities movement type code | Shows the direction of movement required by the settlement instruction.<br>Possible values:<br>- DELI (deliver)<br>- RECE (receive) |
| Payment type code | Shows if cash settlement is also involved.<br>Possible values:<br>- APMT (against payment)<br>- FREE (free of payment) |
| Intended settlement date | Shows the intended settlement date. |
| Actual settlement date | Shows the actual settlement date. |
| Cancellation date | Shows the date when the settlement instruction was cancelled. Display format is: YYYY-MM-DD |
| Match status | Shows if the settlement instruction is matched with a counterpart settlement instruction.<br>Possible values:<br>- NMAT (unmatched)<br>- MACH (matched) |
| Settlement status | Shows the settlement status<br>Possible values:<br>- USET (unsettled)<br>- PSET (partially settled)<br>- SETT (fully settled) |
| Cancellation status | Shows the cancellation status |

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| | |
|---|---|
| | Possible values:<br>- NCAN (not cancelled)<br>- CANC (cancelled) |
| ISIN | Shows the ISIN. |
| Settlement type | Shows the settlement type.<br>Possible values:<br>- FAMT (nominal)<br>- UNIT (units) |
| Instructed settlement quantity | Shows the instructed settlement quantity. |
| Settled settlement quantity | Shows the settled settlement quantity. |
| Currency code | Shows the currency code. |
| Credit/debit code | Shows if the settlement instruction involves a debit or credit of cash.<br>Possible values:<br>- CRDT (credit)<br>- DBIT (debit) |
| Instructed settlement amount | Shows the instructed settlement amount. |
| Matched settlement amount | Shows the matched amount as per the matching process.. |
| Settled settlement amount | Shows the settled settlement amount. |
| Transaction type code | Shows the transaction type code.<br>Possible values:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- FOP (free of payment)<br>- PFOD (payment freed of delivery) |
| Settlement transaction category | Shows the transaction category.<br>Possible values:<br>- COLA (collateral)<br>- CORE (collateral relocation)<br>- LQTR (liquidity transfer)<br>- REAL (realignment)<br>- RSMG (restriction management) |

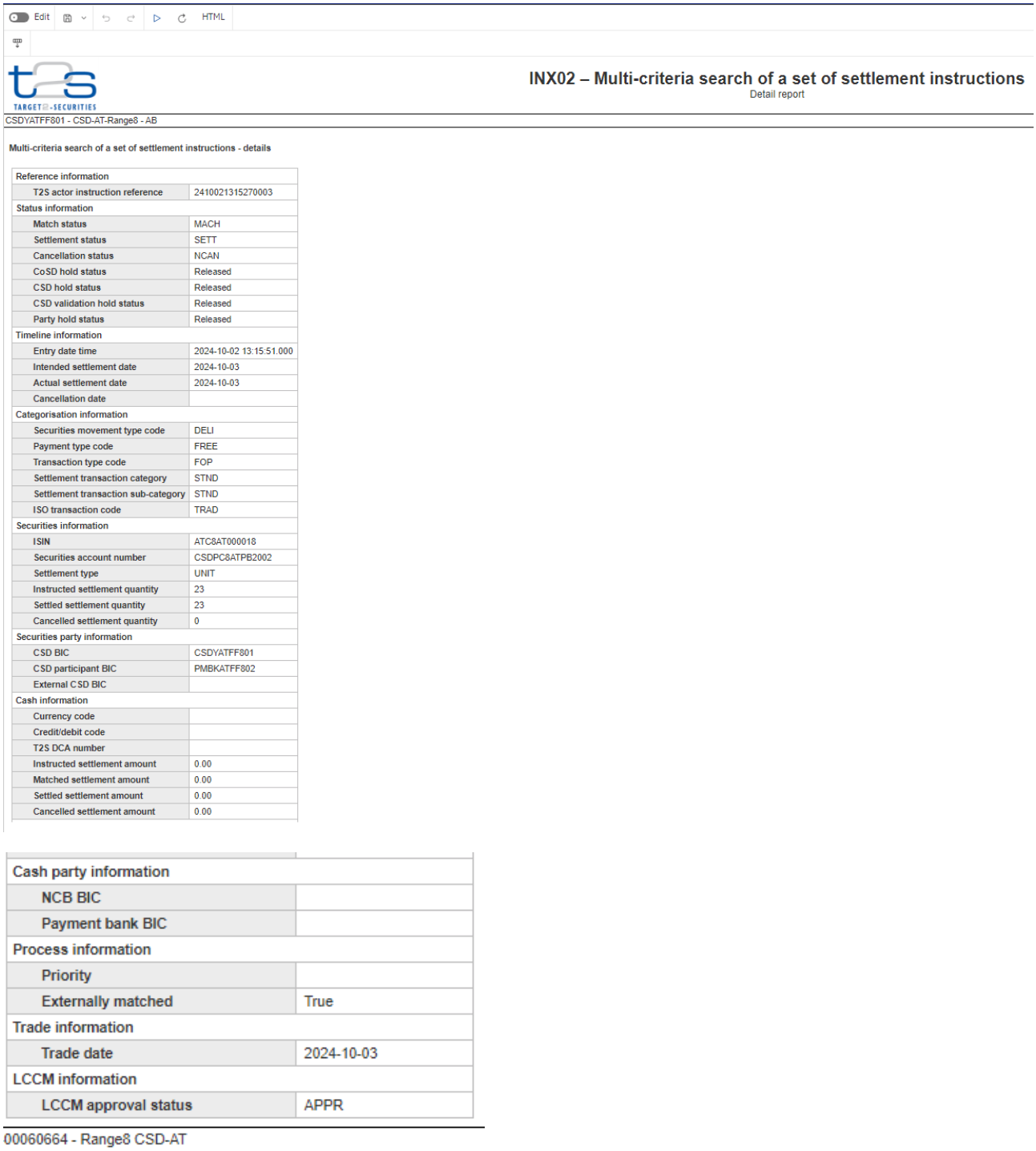
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| | |
|---|---|
| | - RESU (restriction use)<br>- RCOL (reverse collateral)<br>- STND (standard)<br>- TCAT (technical cash transfer)<br>- COTF (conditional technical FOP) |
| Settlement transaction sub-category | Shows the transaction sub-category.<br>Possible values:<br>- CATR (cash transfer)<br>- COBS (CoSD blocking position – setup)<br>- PLED (pledge)<br>- REAL (realignment)<br>- REPO (repo)<br>- STND (standard)<br>- SPLE (sub-pledge) |
| ISO transaction code | Shows the ISO transaction code.<br>Possible values:<br>- AUTO (auto-collateralisation)<br>- BSBK (buy sell back)<br>- CLAI (market claim)<br>- CNCB (cenrl bank collateral operation)<br>- COLI (collateral in)<br>- COLO (collateral out)<br>- CONV (depository receipt conversion)<br>- CORP (corporate action)<br>- FCTA (factor update)<br>- INSP (movement of stock)<br>- ISSU (depository receipt issue)<br>- MKDW (markdown)<br>- MKUP (markup)<br>- NETT (netting)<br>- NSYN (non-syndicated)<br>- OWNE (external account transfer)<br>- OWNI (internal account transfer)<br>- PAIR (pair-off)<br>- PLAC (placement)<br>- PORT (portfolio move)<br>- REAL (realignment)<br>- REDI (withdrawal) |

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| | |
|---|---|
| | REDM (redemption)<br>RELE (depository receipt release cancellation)<br>REPU (repo)<br>RODE (return delivery without matching)<br>RPTO (reporting)<br>RVPO (reverse repo)<br>SBBK (sell buyback)<br>SBRE (borrowing reallocation)<br>SECB (securities borrowing)<br>SECL (securities lending)<br>SLRE (lending reallocation)<br>SUBS (subscription)<br>SYND (syndicate underwriters)<br>TBAC (TBA closing)<br>TRAD (trade)<br>TRPO (tri-party repo)<br>TRVO (tri-party reverse repo)<br>TURN (turnaround) |
| CSD BIC | Shows the BIC of the related CSD |
| CSD participant BIC | Shows the BIC of the T2S participant. |
| Securities account number | Shows the impacted securities account number as per the SI, |
| NCB BIC | Shows the parent party BIC of the payment bank (if applicable) |
| Payment bank BIC | Shows the BIC of the cash account owner (if applicable) |
| T2S DCA number | Shows the T2S cash account used for settlement (if applicable) |

**Screenshot**



Edit HTML

INX02 – Multi-criteria search of a set of settlement instructions
Detail report

CSDYATFF801 - CSD-AT-Range8 - AB

Multi-criteria search of a set of settlement instructions - details

| | |
|---|---|
| Reference information | |
| T2S actor instruction reference | 2410021315270003 |
| Status information | |
| Match status | MACH |
| Settlement status | SETT |
| Cancellation status | NCAN |
| CoSD hold status | Released |
| CSD hold status | Released |
| CSD validation hold status | Released |
| Party hold status | Released |
| Timeline information | |
| Entry date time | 2024-10-02 13:15:51.000 |
| Intended settlement date | 2024-10-03 |
| Actual settlement date | 2024-10-03 |
| Cancellation date | |
| Categorisation information | |
| Securities movement type code | DELI |
| Payment type code | FREE |
| Transaction type code | FOP |
| Settlement transaction category | STND |
| Settlement transaction sub-category | STND |
| ISO transaction code | TRAD |
| Securities information | |
| ISIN | ATC8AT000018 |
| Securities account number | CSDPC8ATPB2002 |
| Settlement type | UNIT |
| Instructed settlement quantity | 23 |
| Settled settlement quantity | 23 |
| Cancelled settlement quantity | 0 |
| Securities party information | |
| CSD BIC | CSDYATFF801 |
| CSD participant BIC | PMBKATFF802 |
| External CSD BIC | |
| Cash information | |
| Currency code | |
| Credit/debit code | |
| T2S DCA number | |
| Instructed settlement amount | 0.00 |
| Matched settlement amount | 0.00 |
| Settled settlement amount | 0.00 |
| Cancelled settlement amount | 0.00 |

| | |
|---|---|
| Cash party information | |
| NCB BIC | |
| Payment bank BIC | |
| Process information | |
| Priority | |
| Externally matched | True |
| Trade information | |
| Trade date | 2024-10-03 |
| LCCM information | |
| LCCM approval status | APPR |

00060664 - Range8 CSD-AT

**Figure 411: INX02 details screen**

## Field Description

| INX02 – Multi-criteria search of a set of settlement instructions – Details Screen | |
|---|---|
| **Reference information** | |
| T2S actor instruction reference | Shows the reference provided by the T2S actor |
| **Status information** | |
| Match status | Shows if the settlement instruction is matched with a counterpart settlement instruction.<br>Possible values:<br>- NMAT (unmatched)<br>- MACH (matched) |
| Settlement status | Shows the settlement status<br>Possible values:<br>- USET (unsettled)<br>- PSET (partially settled)<br>- SETT (fully settled) |
| Cancellation status | Shows the cancellation status<br>Possible values:<br>NCAN (not cancelled)<br>CANC (cancelled) |
| CoSD hold status | Shows the CoSD hold status if the settlement instruction fulfils at least one CoSD rule.<br>Possible values:<br>- Released<br>- On hold |
| CSD hold status | Shows the CSD hold status<br>Possible values:<br>- Released<br>- On hold |
| CSD validation hold status | Shows the CSD validation hold status<br>Possible values:<br>- Released<br>- On hold |
| Party hold status | Shows the party hold status |

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| | |
|---|---|
| | Possible values:<br>- Released<br>- On hold |
| **Timeline information** | |
| Entry date | Shows the date when the settlement instruction entered the T2S system. Display format is: YYYY-MM-DD |
| Intended settlement date | Shows the intended settlement date. Display format is: YYYY-MM-DD |
| Actual settlement date | Shows the actual settlement date, if applicable. Display format is: YYYY-MM-DD |
| Cancellation date | Shows the date when the settlement instruction was cancelled, if applicable. Display format is: YYYY-MM-DD |
| **Categorisation information** | |
| Securities movement type code | Shows the direction of movement required by the settlement instruction.<br>Possible values:<br>- DELI (deliver)<br>- RECE (receive) |
| Payment type code | Shows if cash settlement is also involved.<br>Possible values:<br>- APMT (against payment)<br>- FREE (free of payment) |
| Transaction type code | Shows the transaction type code.<br>Possible values:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- FOP (free of payment)<br>- PFOD (payment freed of delivery) |
| Settlement transaction category | Shows the transaction category.<br>Possible values:<br>- COLA (collateral)<br>- CORE (collateral relocation)<br>- LQTR (liquidity transfer)<br>- REAL (realignment)<br>- RSMG (restriction management)<br>- RESU (restriction use) |

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| | |
|---|---|
| | - RCOL (reverse collateral)<br>- STND (standard)<br>- TCAT (technical cash transfer)<br>- COTF (conditional technical FOP) |
| Settlement transaction sub-category | Shows the transaction sub-category.<br>Possible values:<br>- CATR (cash transfer)<br>- COBS (CoSD blocking position – setup)<br>- PLED (pledge)<br>- REAL (realignment)<br>- REPO (repo)<br>- STND (standard)<br>- SPLE (sub-pledge) |
| ISO transaction code | Shows the ISO transaction code.<br>Possible values:<br>- AUTO (auto-collateralisation)<br>- BSBK (buy sell back)<br>- CLAI (market claim)<br>- CNCB (cenrl bank collateral operation)<br>- COLI (collateral in)<br>- COLO (collateral out)<br>- CONV (depository receipt conversion)<br>- CORP (corporate action)<br>- FCTA (factor update)<br>- INSP (movement of stock)<br>- ISSU (depository receipt issue)<br>- MKDW (markdown)<br>- MKUP (markup)<br>- NETT (netting)<br>- NSYN (non-syndicated)<br>- OWNE (external account transfer)<br>- OWNI (internal account transfer)<br>- PAIR (pair-off)<br>- PLAC (placement)<br>- PORT (portfolio move)<br>- REAL (realignment)<br>- REDI (withdrawal)<br>- REDM (redemption) |

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| | |
|---|---|
| | RELE (depository receipt release cancellation)<br>REPU (repo)<br>RODE (return delivery without matching)<br>RPTO (reporting)<br>RVPO (reverse repo)<br>SBBK (sell buyback)<br>SBRE (borrowing reallocation)<br>SECB (securities borrowing)<br>SECL (securities lending)<br>SLRE (lending reallocation)<br>SUBS (subscription)<br>SYND (syndicate underwriters)<br>TBAC (TBA closing)<br>TRAD (trade)<br>TRPO (tri-party repo)<br>TRVO (tri-party reverse repo)<br>TURN (turnaround) |
| **Securities information** | |
| ISIN | Shows the ISIN. |
| Securities account number | Shows the impacted securities account number as per the SI, |
| Settlement type | Shows the settlement type.<br>Possible values:<br>NOMI (nominal)<br>UNIT (units) |
| Instructed settlement quantity | Shows the original settlement quantity. |
| Settled settlement quantity | Shows the settled settlement quantity. |
| Cancelled settlement quantity | Shows the unsettled quantity if the SI is not completely settled. |
| **Securities party information** | |
| CSD BIC | Shows the BIC of the CSD |
| CSD participant BIC | Shows the BIC of the CSD participant. |
| External CSD BIC | Shows the BIC of the external CSD (ECSD) |

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| | |
|---|---|
| **Cash information**<br>(Please note, that this part will be empty for Settlement Instructions with transaction code = FOP) | |
| Currency code | Shows the currency code. |
| Credit/debit code | Shows if the settlement instruction involves a debit or credit of cash.<br>Possible values:<br>- CRDT (credit)<br>- DBIT (debit) |
| T2S dedicated cash account number | Shows the impacted T2S dedicated cash account number. |
| Instructed settlement amount | Shows the instructed settlement amount. |
| Matched settlement amount | Shows the matched amount as per the matching process.. |
| Settled settlement amount | Shows the settled settlement amount. |
| Cancelled settlement amount | Shows the cancelled amount if the SI is not completely settled. |
| **Cash party information** | |
| NCB BIC | Shows the BIC of the national central bank. |
| Payment bank BIC | Shows the BIC of the payment bank. |
| **Process information** | |
| Priority | Shows the priority.<br>Possible values:<br>- 0001 (reserved)<br>- 0002 (top)<br>- 0003 (high)<br>- 0004 (normal) |
| Externally matched | Shows if the settlement instruction was matched outside T2S.<br>Possible values:<br>- False<br>- True |
| **Trade information** | |
| Trade date | Shows the trade date of the settlement instruction. Display format is: YYYY-MM-DD |

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| LCMM information | |
|---|---|
| LCMM approval status | Shows the LCMM approval status.<br>Possible values:<br>- APPR (approved (default value))<br>- AWAP (awaiting approval)<br>- REJT (rejected)<br>- RVKD (revoked) |

## 6.3.3 INX03 - Individual restriction detailed report

**Context of Usage**

This report shows all finalised business settlement restrictions (SR) corresponding to the selected T2S references.

The attributes shown in the output provide business details related to each of the selected settlement restrictions and are displayed in a manner which allows easy comparison between these instructions.

This report can be used by CSD and CB users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX03

**Screenshot**

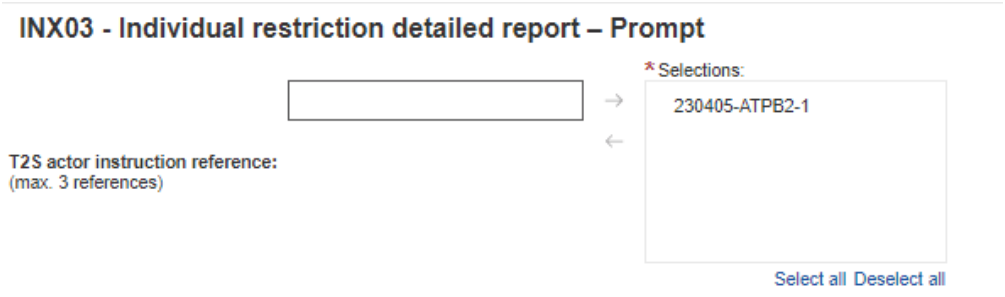
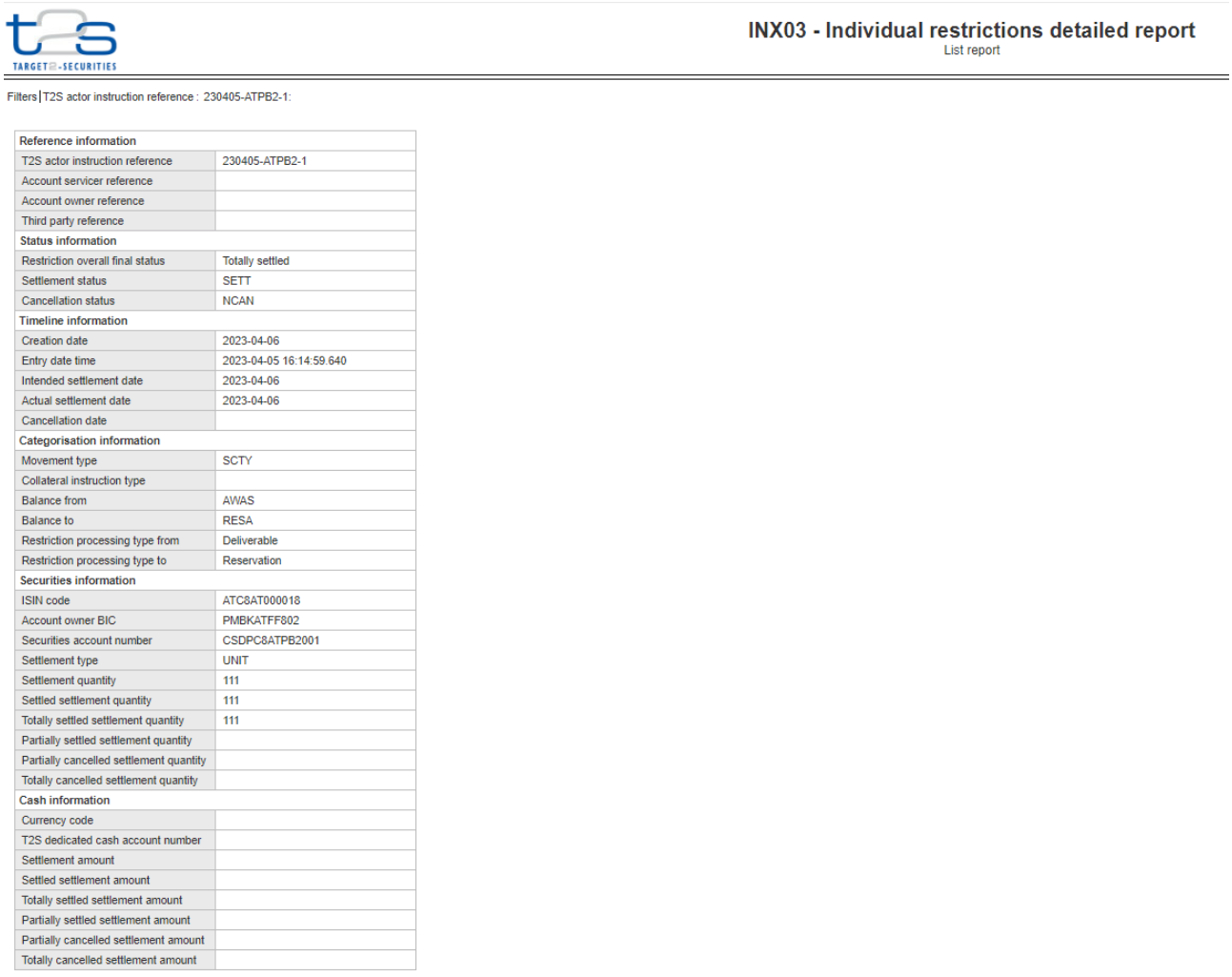



**Figure 412: INX03 prompt screen**

**Field Description**

| INX03 – Individual restriction detailed report – Prompt Screen | |
|---|---|
| T2S actor instruction reference | You can use this text box field to search one or several T2S actor instruction references. This field will show all related references, which belong to the default data scope of the user's party.<br>One or several references can be entered sequentially but a maximum of 3 may not be exceeded. Otherwise, a respective error screen will be shown.<br>This first text box field is mandatory. |

## Screenshot



INX03 - Individual restrictions detailed report
List report

Filters | T2S actor instruction reference : 230405-ATPB2-1:

| Reference information | |
|---|---|
| T2S actor instruction reference | 230405-ATPB2-1 |
| Account servicer reference | |
| Account owner reference | |
| Third party reference | |
| **Status information** | |
| Restriction overall final status | Totally settled |
| Settlement status | SETT |
| Cancellation status | NCAN |
| **Timeline information** | |
| Creation date | 2023-04-06 |
| Entry date time | 2023-04-05 16:14:59.640 |
| Intended settlement date | 2023-04-06 |
| Actual settlement date | 2023-04-06 |
| Cancellation date | |
| **Categorisation information** | |
| Movement type | SCTY |
| Collateral instruction type | |
| Balance from | AWAS |
| Balance to | RESA |
| Restriction processing type from | Deliverable |
| Restriction processing type to | Reservation |
| **Securities information** | |
| ISIN code | ATC8AT000018 |
| Account owner BIC | PMBKATFF802 |
| Securities account number | CSDPC8ATPB2001 |
| Settlement type | UNIT |
| Settlement quantity | 111 |
| Settled settlement quantity | 111 |
| Totally settled settlement quantity | 111 |
| Partially settled settlement quantity | |
| Partially cancelled settlement quantity | |
| Totally cancelled settlement quantity | |
| **Cash information** | |
| Currency code | |
| T2S dedicated cash account number | |
| Settlement amount | |
| Settled settlement amount | |
| Totally settled settlement amount | |
| Partially settled settlement amount | |
| Partially cancelled settlement amount | |
| Totally cancelled settlement amount | |

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| Process information | |
|---|---|
| CoSD blocking | F |
| Priority | |
| Corporate action event identification | |
| Collateral flag | |
| End of day restriction release | |
| Linked instructions counter | |
| **LCMM information** | |
| LCMM approval status | APPR |
| LCCM sending party short name | PB2-AT as CSDP-AT Range8 - AB |
| LCCM instructing party short name | PB2-AT as CSDP-AT Range8 - AB |
| LCMM execution/final settlement date | 2023-04-06 |
| LCMM user login name | |
| LCMM inbound LCMM message Id | 2304050525874322 |
| LCMM inbound LCMM message ref | 9000000001928982 |
| LCMM validation starting timestamp | 2023-04-05 16:14:59.509 |
| LCMM validation ending timestamp | 2023-04-05 16:14:59.635 |
| LCMM entry business date | 2023-04-05 |
| POOL party short name | |
| POOL instruction counter | 0 |
| POOL settlement date | |
| POOL identification | 0 |

**Figure 413: INX03 output screen**

## Field Description

| INX03 – Individual restriction detailed report – Output Screen<br>(These columns will be shown for every instruction selected in the prompt screen) | |
|---|---|
| **Reference information** | |
| T2S actor instruction reference | Shows the reference provided by the T2S actor |
| Account servicer reference | Shows the reference provided by the T2S actor when the restriction is sent by an account servicer. |
| Account owner reference | Shows the reference provided by the T2S actor when the restriction is sent by an account owner. |
| Third party reference | Shows the reference provided by the T2S actor when the restriction is sent by a third party. |
| **Status information** | |
| Restriction overall final status | Shows the final status.<br>Possible values:<br>- "Totally settled"<br>- "Partially settled"<br>- "Totally cancelled" |
| Settlement status | Shows the settlement status<br>Possible values:<br>- USET (unsettled)<br>- PSET (partially settled)<br>- SETT (fully settled) |
| Cancellation status | Shows the cancellation status<br>Possible values:<br>- NCAN (not cancelled)<br>- CANC (cancelled) |
| **Timeline information** | |
| Creation date | Shows the date when the settlement restriction was created. Display format is: YYYY-MM-DD |
| Entry date time | Shows the date when the settlement restriction entered T2S. Display format is: YYYY-MM-DD hh:mm: ss,sssss |
| Intended settlement date | Shows the intended settlement date. |

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| | |
|---|---|
| | Display format is: YYYY-MM-DD |
| Actual settlement date | Shows the actual settlement date. Display format is: YYYY-MM-DD |
| Cancellation date | Shows the date when the settlement restriction was cancelled. Display format is: YYYY-MM-DD |
| **Categorisation information** | |
| Movement type | Shows the movement type of the settlement restriction.<br>Possible values:<br>- CASH (restriction of cash)<br>- SCTY (restriction of securities) |
| Collateral instruction type | Shows the collateral instruction type.<br>Possible values:<br>- CRDT (credit instruction)<br>- RMBT (reimbursement collateral instruction) |
| Balance from | Shows the balance type from which securities or cas are moved |
| Balance to | Shows the balance type to which securities or cash are moved |
| Restriction processing type from | Shows the restriction processing type from which the cash/securities are debited/delivered.<br>Possible values:<br>- Rejection<br>- CSD Validation Hold<br>- Reservation<br>- Blocking<br>- Balance Type/Earmarking<br>- Earmarking for Auto-collateralisation<br>- Deliverable<br>- Collateralised<br>- CoSD Blocking |
| Restriction processing type to | Shows the restriction processing type to which the cash/securities are credited/ received.<br>Possible values:<br>- Rejection<br>- CSD Validation Hold<br>- Reservation<br>- Blocking |

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| | |
|---|---|
| | ▪ Balance Type/Earmarking<br>▪ Earmarking for Auto-collateralisation<br>▪ Deliverable<br>▪ Collateralised<br>▪ CoSD blocking |
| **Securities information**<br>(This part will only be filled in case of settlement restrictions on securities) | |
| ISIN | Shows the ISIN. |
| Account owner BIC | Shows the BIC of the securities account owner as per the SR. |
| Securities account number | Shows the impacted securities account number as per the SR. |
| Settlement type | Shows the settlement type.<br>Possible values:<br>▪ FAMT (nominal)<br>▪ UNIT (units) |
| Settlement quantity | Shows the entered settlement quantity. |
| Settled settlement quantity | Shows the settled settlement quantity. |
| Totally settled settlement quantity | Shows the settled quantity if the SR is fully settled. |
| Partially settled settlement quantity | Shows the settled quantity if the SR is only partially settled. |
| Partially cancelled settlement quantity | Shows the remaining unsettled quantity if the SR is only partially settled |
| Totally cancelled settlement quantity | Shows the unsettled quantity if the SR is completely cancelled. |
| **Cash information**<br>(This part will only be filled in case of settlement restrictions on cash) | |
| Currency code | Shows the currency code. |
| T2S dedicated cash account number | Shows the impacted T2S dedicated cash account number. |
| Settlement amount | Shows the settlement amount. |
| Settled settlement amount | Shows the settled settlement amount. |
| Totally settled settlement amount | Shows the settled amount if the SR is fully settled. |

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| | |
|---|---|
| Partially settled settlement amount | Shows the settled amount if the SR is only partially settled. |
| Partially cancelled settlement amount | Shows the remaining unsettled amount if the SR is only partially settled |
| Totally cancelled settlement amount | Shows the unsettled amount if the SR is completely cancelled. |
| **Process information** | |
| CoSD blocking | Shows whether the restriction relates to a CoSD blocking.<br>Possible values:<br>- False<br>- True |
| Priority | Shows the priority.<br>Possible values:<br>- 0001 (reserved)<br>- 0002 (top)<br>- 0003 (high)<br>- 0004 (normal) |
| Corporate action event identification | Shows the corporate action event identification if the SR relates to a corporate action. |
| Collateral flag | Shows whether the restriction relates to collateral.<br>Possible values:<br>- False<br>- True |
| Linked instructions counter | Shows the number of instructions linked to this settlement restriction. |
| **LCMM information** | |
| LCMM approval status | Shows the LCMM approval status.<br>Possible values:<br>- APPR (approved (default value))<br>- AWAP (awaiting approval)<br>- REJT (rejected)<br>- RVKD (revoked) |
| LCMM sending party short name | Shows the sending party short name |
| LCMM instructing party short name | Shows the instructing party short name |

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| | |
|---|---|
| LCMM execution/final settlement date | Shows the business date when the SR is totally settled.<br>Displayed format is : YYYY-MM-DD. |
| LCMM user login name | Shows the login name of the LCMM user. |
| LCMM inbound LCMM message Id | Shows the foreign key of the LCMM inbound message id. |
| LCMM inbound LCMM message ref | Shows the reference of the LCMM inbound message. |
| LCMM validation starting timestamp | Shows the LCMM validation starting timestamp.<br>Display format is: YYYY-MM-DD hh:mm:ss,sssss |
| LCMM validation ending timestamp | Shows the LCMM validation ending timestamp.<br>Displayed format is:<br>YYYY-MM-DD hh:mm:ss,sssss |
| LCMM entry business date | Shows the LCMM entry business date.<br>Displayed format is: YYYY-MM-DD |
| POOL party short name | Shows the short name of the party |
| POOL instruction counter | Shows the number of instructions that make up a pool as identified on the settlement restriction. |
| POOL settlement date | Shows the pool settlement date.<br>Displayed format is: YYYY-MM-DD |
| POOL identification | Shows the reference identifying a pool as found on the settlement instruction. |

### 6.3.4 INX04 - Multi-criteria search of a set of settlement restrictions

**Context of Usage**

This report shows a list of details for selected finalised business settlement restrictions (SR), which it performs on two levels. In the first level, the report produces a list of SRs corresponding to user-supplied filter criteria. In the second level, the user may select one SR from the list and the detailed report provides a full list of attributes for the selected SR.

The attributes shown in the detailed report output provide business details related to the selected SR.

This report can be used by CB and CSD users.

**Report Access**

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX04

## Screenshot




**Figure 414: INX04 pre-selection screen 1 (CSD User login)**

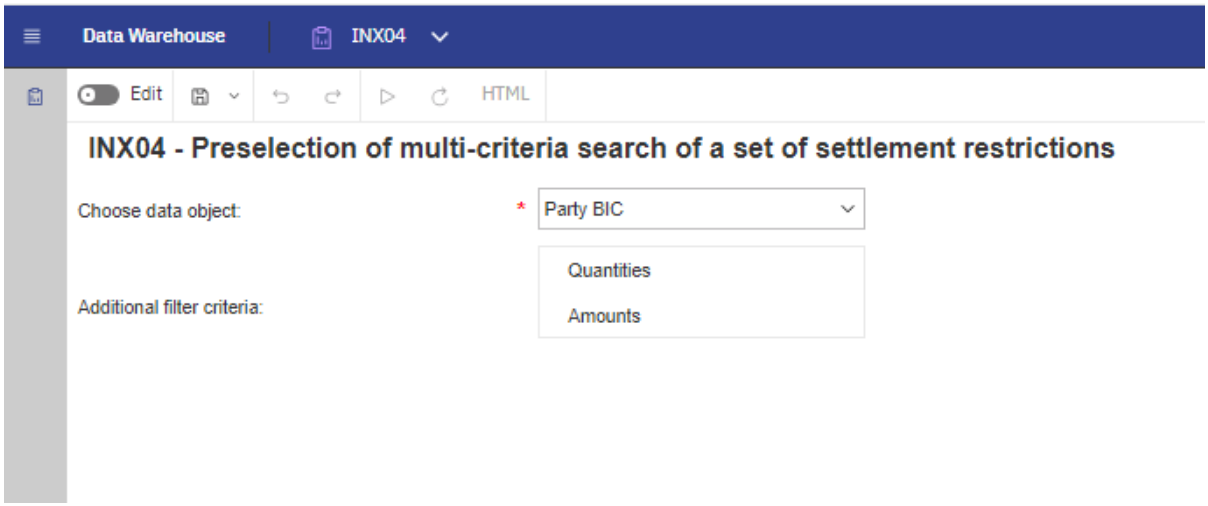



**Figure 415: INX04 - pre selection screen**

## Field Description

| INX04 – Multi-criteria search of a set of settlement restrictions – Pre-selection screen | |
|---|---|
| **Choose data object**<br>(one of both objects has to be chosen) | |
| Party BIC | Provides fields for searching securities party BICs or cash party BICs in the next screen |
| Account number | Provides fields for searching for securities account numbers or cash account numbers in the next screen |
| **Additional search criteria**<br>(both objects are optional) | |
| Quantity of securities | Provides fields for searching different quantity ranges in the next screen |
| Amounts | Provides fields for searching different amount ranges in the next screen |

**Screenshot**

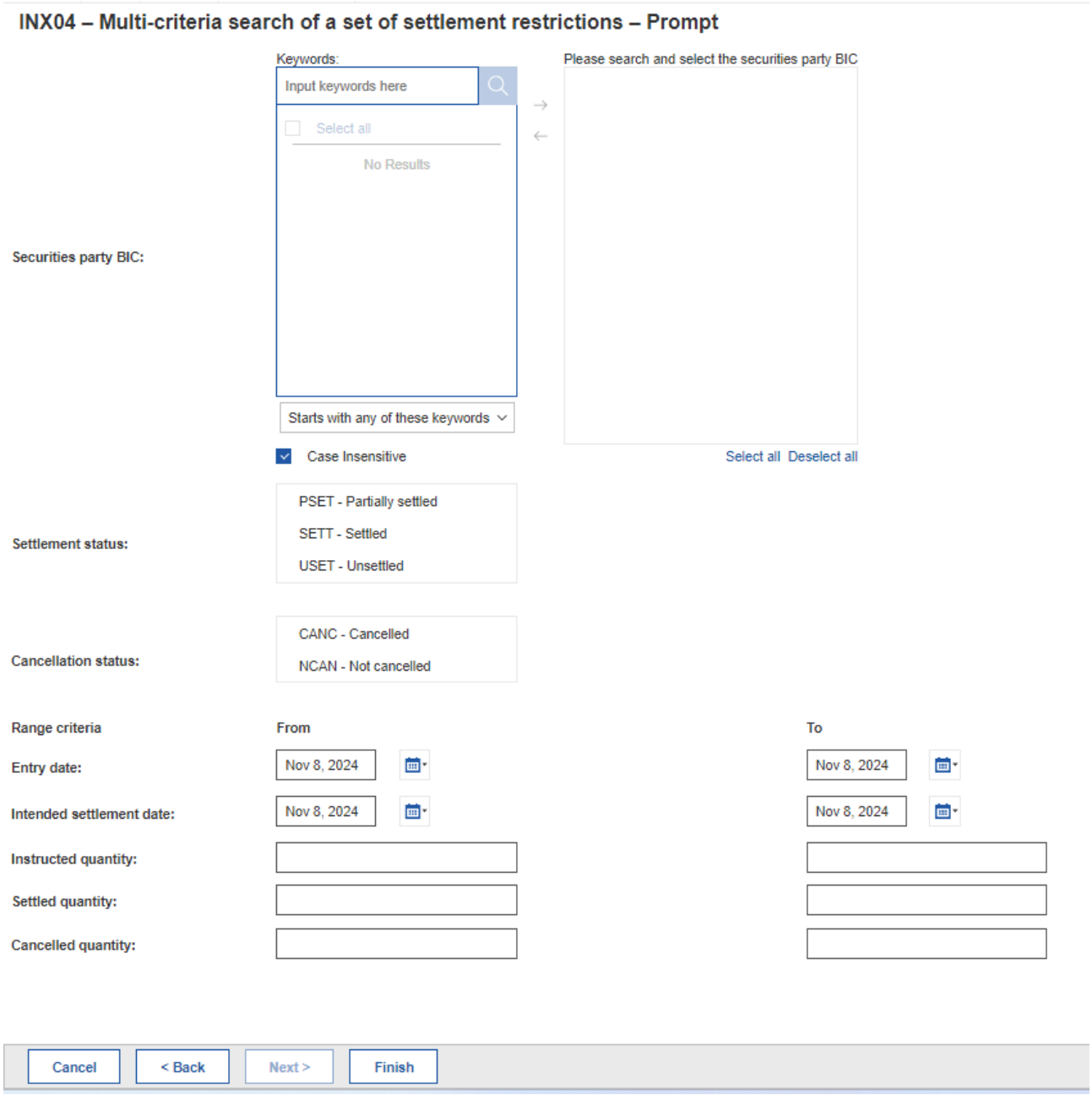



**Figure 416: INX04 prompt screen 2 (CSD User login) – Party BIC**

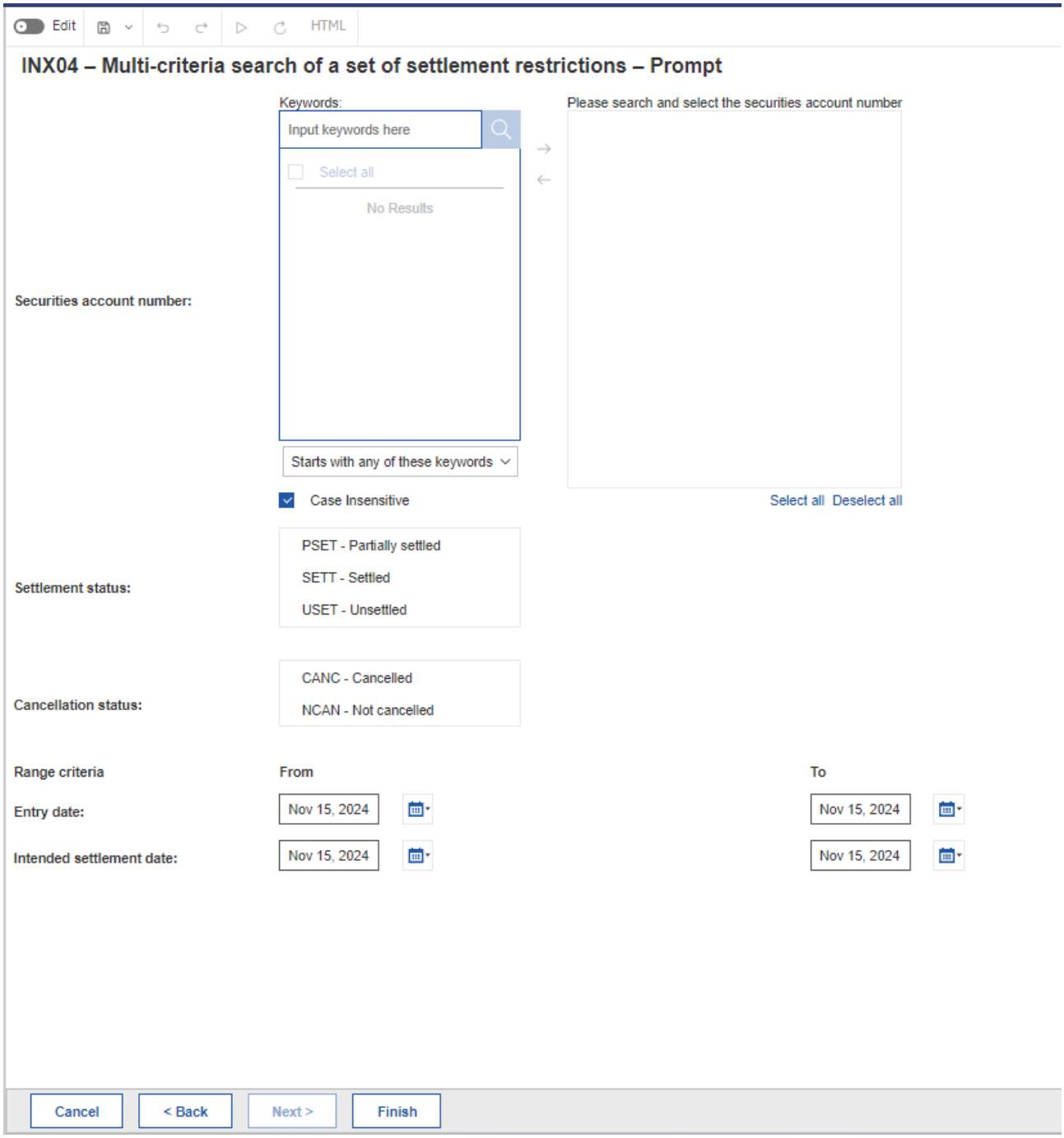



**Figure 417: INX04 prompt screen 2 (CSD User login) - Account number**

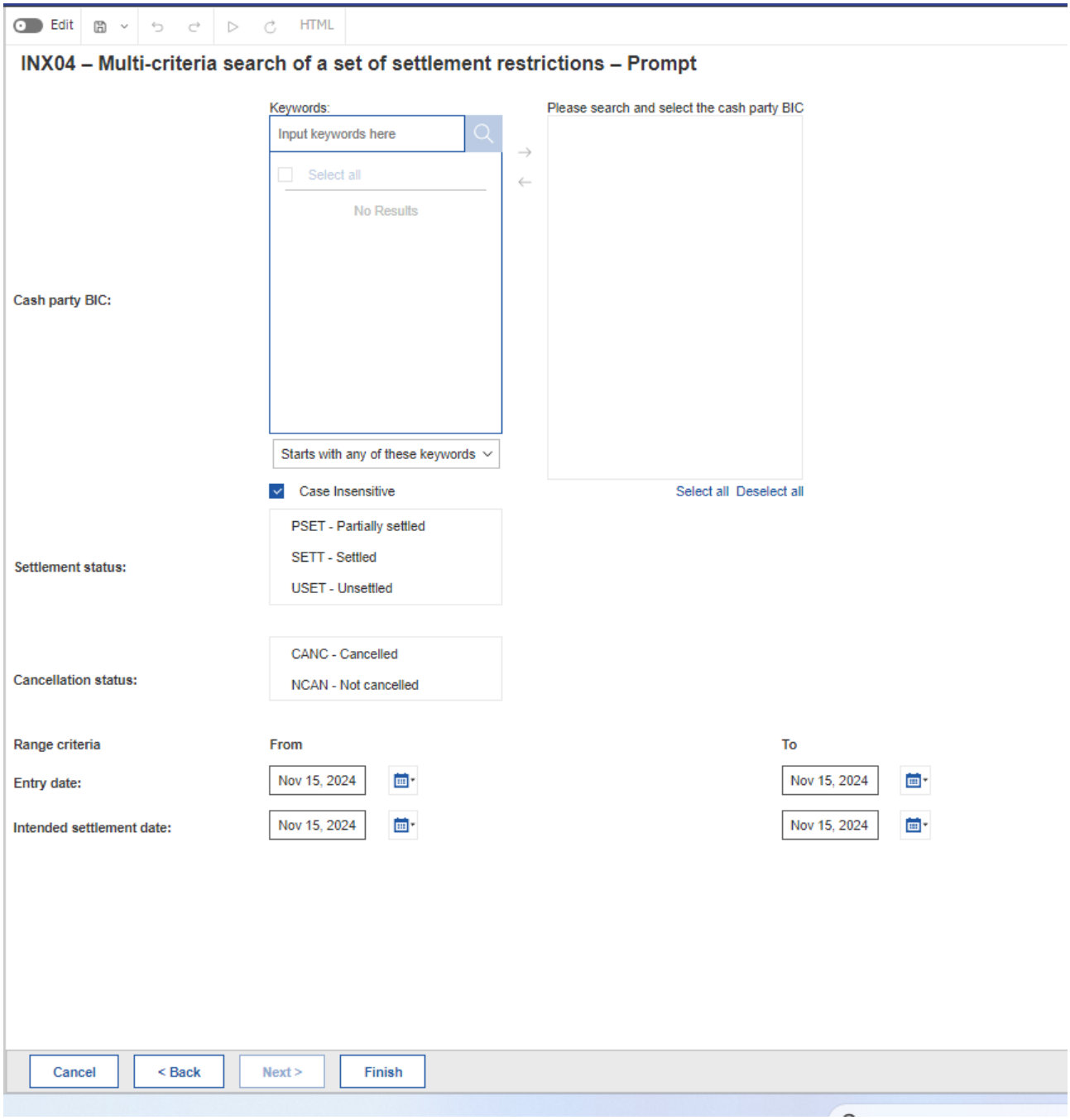



**Figure 418: INX04 - prompt screen 2 (CB User login) - Party BIC**

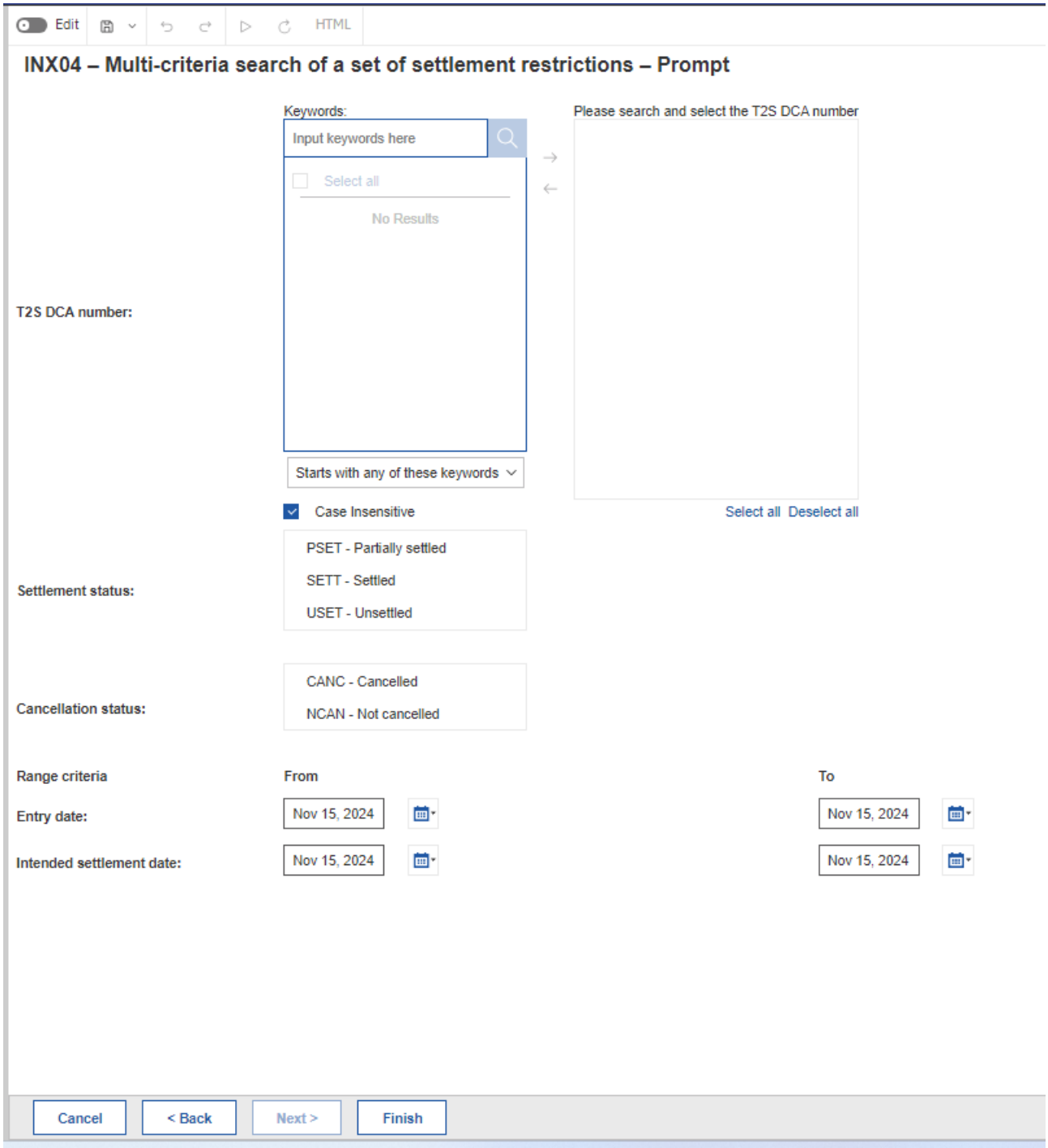



**Figure 419: INX04 - prompt screen 2 (CB User login) - Account number**

## Field Description

| INX04 – Multi-criteria search of a set of settlement restrictions – Prompt Screen | |
|---|---|
| **Displayed fields when selecting Party BIC** | |
| Securities party BIC | Filter to select which securities party BIC (CSDs, CSD participants or ECSDs) value/s should be included in the output. |
| Cash party BIC | Filter to select which cash party BIC (NCB or payment bank) value/s should be included in the output. |
| **Displayed fields when selecting Account number** | |
| Securities account number | Filter to select which securities account number value/s should be included in the output. |
| T2S DCA number | Multiple selection text field to enter T2S DCA number that should be included in the output. |
| Settlement status | Filter to select which settlement status value/s should be included in the output.<br>Possible values:<br>- USET<br>- PSET<br>- SETT |
| Cancellation status | Filter to select which cancellation status value/s should be included in the output.<br>Possible values:<br>- NCAN<br>- CANC |
| Entry date from | Filter to select the inclusive date from which entry date value/s should be included in the output.<br>Must be used in conjunction with:<br>- entry date to |
| Entry date to | Filter to select the inclusive date up to which entry date value/s should be included in the output.<br>Must be used in conjunction with:<br>- entry date from |
| Intended settlement date from | Filter to select the inclusive date from which intended settlement date value/s should be included in the output.<br>Must be used in conjunction with:<br>- intended settlement date to |

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| | |
|---|---|
| Intended settlement date to | Filter to select the inclusive date up to which intended settlement date value/s should be included in the output.<br>Must be used in conjunction with:<br>• intended settlement date from |
| The following criteria are only shown in case that “Quantity of securities” was chosen as additional search criteria | |
| Instructed quantity from | Filter to select the inclusive quantity from which instructed quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• instructed quantity to |
| Instructed quantity to | Filter to select the inclusive quantity up to which instructed quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• instructed quantity from |
| Settled quantity from | Filter to select the inclusive quantity from which settled quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• settled quantity to |
| Settled quantity to | Filter to select the inclusive quantity up to which settled quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• settled quantity from |
| Cancelled quantity from | Filter to select the inclusive quantity from which cancelled quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>cancelled quantity to |
| Cancelled quantity to | Filter to select the inclusive quantity up to which cancelled quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>• cancelled quantity from |
| The following criteria are only shown in case that “Amounts” was chosen as additional search criteria | |

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| | |
|---|---|
| Instructed amount from | Filter to select the inclusive amount from which instructed amount value/s should be included in the output.<br>Must be used in conjunction with:<br>- instructed amount to |
| Instructed amount to | Filter to select the inclusive amount up to which instructed amount value/s should be included in the output.<br>Must be used in conjunction with:<br>- instructed amount from |
| Settled amount from | Filter to select the inclusive amount from which settled amount value/s should be included in the output.<br>Must be used in conjunction with:<br>- settled amount to |
| Settled amount to | Filter to select the inclusive amount up to which settled amount value/s should be included in the output.<br>Must be used in conjunction with:<br>- settled amount from |
| Cancelled amount from | Filter to select the inclusive amount from which cancelled amount value/s should be included in the output.<br>Must be used in conjunction with:<br>- cancelled amount to |
| Cancelled amount to | Filter to select the inclusive amount up to which cancelled amount value/s should be included in the output.<br>Must be used in conjunction with:<br>- cancelled amount from |

## Screenshot

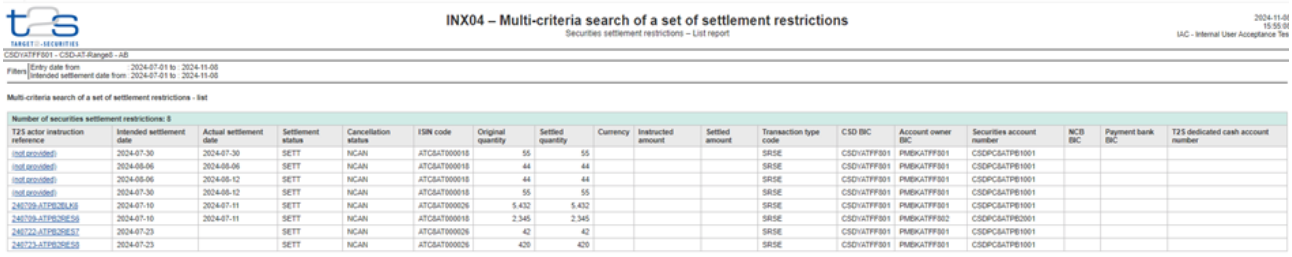



**Figure 420: INX04 list screen**

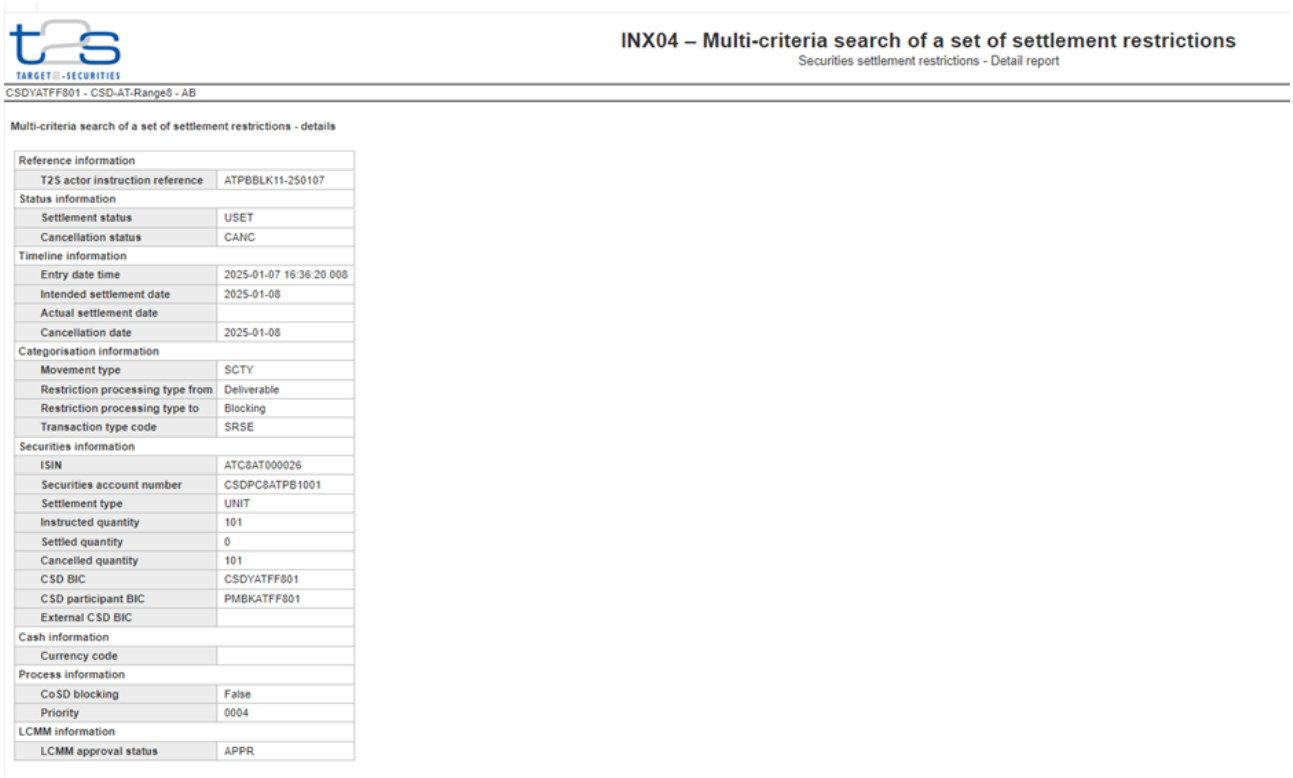
## Field Description

| INX04 – Multi-criteria search of a set of settlement restrictions – List Screen | |
|---|---|
| Number of settlement restrictions | Shows the number of settlement restrictions found matching the criteria |
| **(For each restriction matching the selection criteria, one line will be displayed)** | |
| T2S actor instruction reference | Shows the reference provided by the T2S actor<br>The reference is built as a hyperlink which leads to the output details screen when clicked. |
| Intended settlement date | Shows the intended settlement date.<br>Display format is: YYYY-MM-DD |
| Actual settlement date | Shows the actual settlement date. |
| Settlement status | Shows the settlement status<br>Possible values:<br>- USET (unsettled)<br>- PSET (partially settled)<br>- SETT (fully settled) |
| Cancellation status | Shows the cancellation status<br>Possible values:<br>- NCAN (not cancelled)<br>- CANC (cancelled) |
| ISIN code | Shows the ISIN |
| Instructed quantity | Shows the entered settlement quantity. |
| Settled quantity | Shows the settled settlement quantity. |
| Currency | Shows the currency code |
| Original amount | Shows the settlement amount. |
| Settled amount | Shows the settled settlement amount. |
| Transaction type code | Shows the transaction type of the settlement restriction.<br>Possible values:<br>- SRCA (settlement restriction on cash)<br>- SRSE (settlement restriction on securities) |
| CSD BIC | Shows the BIC of the CSD |

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| | |
|---|---|
| Account owner BIC | Shows the BIC of the securities account owner as per the SR. |
| Securities account number | Shows the impacted securities account number as per the SR. |
| NCB BIC | Shows the parent party BIC of the payment bank (if applicable) |
| Payment bank BIC | Shows the BIC of the payment bank (if applicable) |
| T2S dedicated cash account number | Shows the impacted T2S dedicated cash account number. |

## Screenshot



INX04 – Multi-criteria search of a set of settlement restrictions
Securities settlement restrictions - Detail report

CSDYATFF801 - CSD-AT-Range8 - AB

Multi-criteria search of a set of settlement restrictions - details

| | |
|---|---|
| Reference information | |
| T2S actor instruction reference | ATPBBLK11-250107 |
| Status information | |
| Settlement status | USET |
| Cancellation status | CANC |
| Timeline information | |
| Entry date time | 2025-01-07 16:36:20.008 |
| Intended settlement date | 2025-01-08 |
| Actual settlement date | |
| Cancellation date | 2025-01-08 |
| Categorisation information | |
| Movement type | SCTY |
| Restriction processing type from | Deliverable |
| Restriction processing type to | Blocking |
| Transaction type code | SRSE |
| Securities information | |
| ISIN | ATC8AT000026 |
| Securities account number | CSDPC8ATPB1001 |
| Settlement type | UNIT |
| Instructed quantity | 101 |
| Settled quantity | 0 |
| Cancelled quantity | 101 |
| CSD BIC | CSDYATFF801 |
| CSD participant BIC | PMBKATFF801 |
| External CSD BIC | |
| Cash information | |
| Currency code | |
| Process information | |
| CoSD blocking | False |
| Priority | 0004 |
| LCMM information | |
| LCMM approval status | APPR |

**Figure 421: INX04 details screen**

## Field Description

| INX04 – Multi-criteria search of a set of settlement restrictions – Details Screen | |
|---|---|
| **Reference information** | |
| T2S actor instruction reference | Shows the reference provided by the T2S actor |
| **Status information** | |
| Settlement status | Shows the settlement status<br>Possible values:<br>- USET (unsettled)<br>- PSET (partially settled)<br>- SETT (fully settled) |
| Cancellation status | Shows the cancellation status<br>Possible values:<br>- NCAN (not cancelled)<br>- CANC (cancelled) |
| **Timeline information** | |
| Entry date time | Shows the date when the settlement instruction entered the T2S system. Display format is: YYYY-MM-DD hh:mm:ss,ssss |
| Intended settlement date | Shows the intended settlement date. Display format is: YYYY-MM-DD |
| Actual settlement date | Shows the actual settlement date, if applicable. Display format is: YYYY-MM-DD |
| Cancellation date | Shows the date when the settlement instruction was cancelled, if applicable. Display format is: YYYY-MM-DD |
| **Categorisation information** | |
| Movement type | Shows the movement type of the settlement restriction.<br>Possible values:<br>- CASH (restriction on cash)<br>- SCTY (restriction on securities) |
| Restriction processing type from | Shows the restriction processing type from which the cash/securities are debited/delivered.<br>Possible values: |

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| | |
|---|---|
| | • Rejection<br>• CSD Validation Hold<br>• Reservation<br>• Blocking<br>• Balance Type/Earmarking<br>• Earmarking for Auto-collateralisation<br>• Deliverable<br>• Collateralised<br>• CoSD Blocking |
| Restriction processing type to | Shows the restriction processing type to which the cash/securities are credited/ received.<br>Possible values:<br>• Rejection<br>• CSD Validation Hold<br>• Reservation<br>• Blocking<br>• Balance Type/Earmarking<br>• Earmarking for Auto-collateralisation<br>• Deliverable<br>• Collateralised<br>• CoSD blocking |
| Transaction type code | Shows the transaction type of the settlement restriction.<br>Possible values:<br>• SRCA (settlement restriction on cash)<br>• SRSE (settlement restriction on securities) |
| **Securities information**<br>(Please note, that this part will only be filled for restrictions on securities) | |
| ISIN | Shows the ISIN. |
| Securities account number | Shows the impacted securities account number as per the SI, |
| Settlement type | Shows the settlement type.<br>Possible values:<br>• FAMT (nominal)<br>• UNIT (units) |
| Instructed quantity | Shows the instructed settlement quantity. |

| | |
|---|---|
| Settled quantity | Shows the settled settlement quantity. |
| Cancelled quantity | Shows the unsettled quantity if the SI is not completely settled. |
| CSD BIC | Shows the BIC of the CSD |
| CSD participant BIC | Shows the BIC of the CSD participant. |
| External CSD BIC | Shows the BIC of the external CSD (ECSD) |
| **Cash information**<br>(Please note, that this part will only be filled for restrictions on cash) | |
| Currency code | Shows the currency code. |
| T2S dedicated cash account number | Shows the impacted T2S dedicated cash account number. |
| Instructed amount | Shows the instructed settlement amount. |
| Settled amount | Shows the settled settlement amount. |
| Cancelled amount | Shows the cancelled amount if the SR did not reach full settlement. |
| NCB BIC | Shows the parent party BIC of the payment bank (if applicable) |
| Payment bank BIC | Shows the BIC of the payment bank |
| **Process information** | |
| CoSD blocking | Shows whether the restriction relates to a CoSD blocking.<br>Possible values:<br>- False<br>- True |
| Priority | Shows the priority.<br>Possible values:<br>- 0001 (reserved)<br>- 0002 (top)<br>- 0003 (high)<br>- 0004 (normal) |
| **LCMM information** | |
| LCMM approval status | Shows the LCMM approval status. |

| | |
|---|---|
| | Possible values:<br>- APPR (approved (default value))<br>- AWAP (awaiting approval)<br>- REJT (rejected)<br>- RVKD (revoked) |

### 6.3.5 INX05 - Liquidity transfers

**Context of Usage**

This report shows the cash activity for all finalised liquidity transfers (LT) at CB, PB or T2S dedicated cash account level, during a selected period of time. The volume of finalised liquidity transfers per transaction category / transaction sub-category / underlying transfer type, together with the aggregated instructed and actual settled values, are shown.

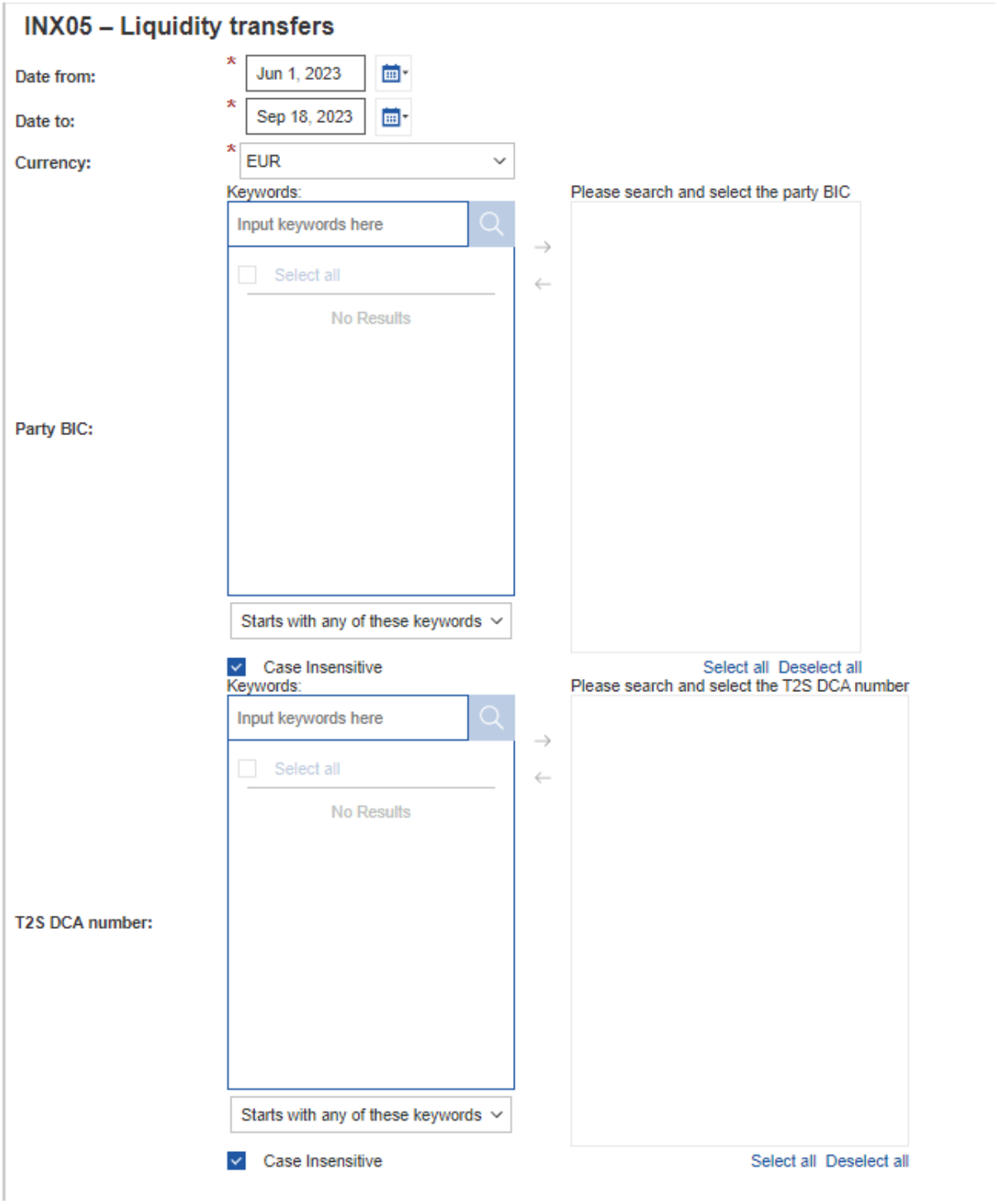
This report can be used by CB users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX05

**Screenshot**

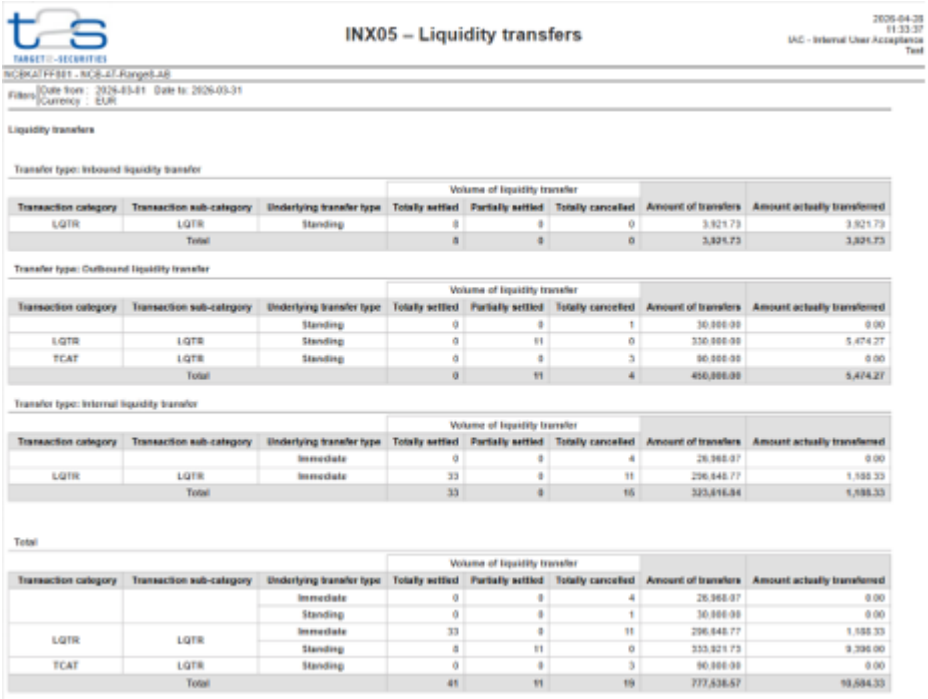



**INX05 prompt screen**

**Field Description**

| INX05 – Liquidity transfers – Prompt Screen | |
|---|---|
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| T2S DCA number | You can use this drop-down field to select one or several T2S DCA numbers. This field will show all related T2S DCAs, which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all T2S DCA numbers belonging to the default data scope of the user's party.<br>This field is optional. |

**Screenshot**



INX05 – Liquidity transfers

Liquidity transfers

Transfer type: Inbound liquidity transfer

| Transaction category | Transaction sub-category | Underlying transfer type | Volume of liquidity transfer | | | Amount of transfers | Amount actually transferred |
|---|---|---|---|---|---|---|---|
| | | | Totally settled | Partially settled | Totally cancelled | | |
| LQTR | LQTR | Standing | 8 | 0 | 0 | 3,921.73 | 3,921.73 |
| Total | | | 8 | 0 | 0 | 3,921.73 | 3,921.73 |

Transfer type: Outbound liquidity transfer

| Transaction category | Transaction sub-category | Underlying transfer type | Volume of liquidity transfer | | | Amount of transfers | Amount actually transferred |
|---|---|---|---|---|---|---|---|
| | | | Totally settled | Partially settled | Totally cancelled | | |
| | | Standing | 0 | 0 | 1 | 30,000.00 | 0.00 |
| LQTR | LQTR | Standing | 0 | 11 | 0 | 330,000.00 | 5,474.27 |
| TCAT | LQTR | Standing | 0 | 0 | 3 | 90,000.00 | 0.00 |
| Total | | | 0 | 11 | 4 | 450,000.00 | 5,474.27 |

Transfer type: Internal liquidity transfer

| Transaction category | Transaction sub-category | Underlying transfer type | Volume of liquidity transfer | | | Amount of transfers | Amount actually transferred |
|---|---|---|---|---|---|---|---|
| | | | Totally settled | Partially settled | Totally cancelled | | |
| | | Immediate | 0 | 0 | 4 | 26,968.07 | 0.00 |
| LQTR | LQTR | Immediate | 33 | 0 | 11 | 296,848.77 | 1,188.33 |
| Total | | | 33 | 0 | 15 | 323,816.84 | 1,188.33 |

Total

| Transaction category | Transaction sub-category | Underlying transfer type | Volume of liquidity transfer | | | Amount of transfers | Amount actually transferred |
|---|---|---|---|---|---|---|---|
| | | | Totally settled | Partially settled | Totally cancelled | | |
| | | Immediate | 0 | 0 | 4 | 26,968.07 | 0.00 |
| | | Standing | 0 | 0 | 1 | 30,000.00 | 0.00 |
| LQTR | LQTR | Immediate | 33 | 0 | 11 | 296,848.77 | 1,188.33 |
| | | Standing | 8 | 11 | 0 | 333,921.73 | 9,396.00 |
| TCAT | LQTR | Standing | 0 | 0 | 3 | 90,000.00 | 0.00 |
| Total | | | 41 | 11 | 19 | 777,638.57 | 10,584.33 |

**Figure 422: INX05 output screen {CR-874}**

## Field Description

| INX05 – Liquidity transfers – Output Screen | |
|---|---|
| **Inbound liquidity transfers** | |
| Transaction category | Shows the transaction category of the liquidity transfer.<br>Possible values are:<br>- LQTR<br>- TCAT |
| Transaction sub-category | Shows the transaction sub-category of the liquidity transfer.<br>Possible values are:<br>- EDLT<br>- LQTR<br>- LTAC<br>- ALOP<br>- CARL<br>- MPOR |
| Underlying transfer type | Shows the underlying transfer type of the liquidity transfer.<br>Possible values are:<br>- Standing<br>- Predefined<br>- Immediate |
| Totally settled | A count of all finalised inbound LTs which have been totally settled, per transaction category / transaction sub-category / underlying transaction type. |
| Partially settled | A count of all finalised inbound LTs which have been only partially settled, per transaction category / transaction sub-category / underlying transaction type. |
| Totally cancelled | A count of all finalised inbound LTs which have been totally cancelled (ie. no settlement at all), per transaction category / transaction sub-category / underlying transaction type. |
| ~~Value~~Amount of transfers | Sum of the instructed transfer amounts of all finalised inbound LTs, per transaction category / transaction sub-category / underlying transaction type. |
| ~~Value~~Amount actually transferred**{CR-874}** | Sum of the actual settled amounts of all finalised outbound LTs, per transaction category / transaction sub-category / underlying transaction type. |
| **Outbound liquidity transfers** | |
| Transaction category | Shows the transaction category of the liquidity transfer.<br>Possible values are: |

| | |
|---|---|
| | LQTR<br>TCAT<br>STND |
| Transaction sub-category | Shows the transaction sub-category of the liquidity transfer.<br>Possible values are:<br>EDLT<br>LQTR<br>LTAC<br>ALOP<br>CARL<br>MPOR<br>STND |
| Underlying transfer type | Shows the underlying transfer type of the liquidity transfer.<br>Possible values are:<br>Standing<br>Predefined<br>Immediate |
| Totally settled | A count of all finalised outbound LTs which have been totally settled, per transaction category / transaction sub-category / underlying transaction type. |
| Partially settled | A count of all finalised outbound LTs which have been only partially settled, per transaction category / transaction sub-category / underlying transaction type. |
| Totally cancelled | A count of all finalised outbound LTs which have been totally cancelled (ie. no settlement at all), per transaction category / transaction sub-category / underlying transaction type. |
| ~~Value~~Amount of transfers | Sum of the original instructed transfer amounts of all finalised outbound LTs, per transaction category / transaction sub-category / underlying transaction type. |
| ~~Value~~Amount actually transferred**{CR-874}** | Sum of the actual settled amounts of all finalised outbound LTs, per transaction category / transaction sub-category / underlying transaction type. |
| **Internal liquidity transfers** | |

| | |
|---|---|
| Transaction category | Shows the transaction category of the liquidity transfer.<br>Possible values are:<br>- LQTR<br>- TCAT |
| Transaction sub-category | Shows the transaction sub-category of the liquidity transfer.<br>Possible values are:<br>- EDLT<br>- LQTR<br>- LTAC<br>- ALOP<br>- CARL<br>- MPOR |
| Underlying transfer type | Shows the underlying transfer type of the liquidity transfer.<br>Possible values are:<br>- Standing<br>- Predefined<br>- Immediate |
| Totally settled | A count of all finalised internal LTs which have been totally settled, per transaction category / transaction sub-category / underlying transaction type. |
| Partially settled | A count of all finalised internal LTs which have been only partially settled, per transaction category / transaction sub-category / underlying transaction type. |
| Totally cancelled | A count of all finalised internal LTs which have been totally cancelled (ie. no settlement at all), per transaction category / transaction sub-category / underlying transaction type. |
| ~~Value~~Amount of transfers | Sum of the original instructed transfer amounts of all finalised internal LTs, per transaction category / transaction sub-category / underlying transaction type. |
| ~~Value~~Amount actually transferred**{CR-874}** | Sum of the actual settled amounts of all finalised internal LTs, per transaction category / transaction sub-category / underlying transaction type. |
| **Total** | |
| Transaction category | Shows the transaction category of the liquidity transfer.<br>Possible values are:<br>- LQTR<br>- TCAT<br>- STND |

| | |
|---|---|
| Transaction sub-category | Shows the transaction sub-category of the liquidity transfer.<br>Possible values are:<br>- EDLT<br>- LQTR<br>- LTAC<br>- ALOP<br>- CARL<br>- MPOR<br>- STND |
| Underlying transfer type | Shows the underlying transfer type of the liquidity transfer.<br>Possible values are:<br>- Standing<br>- Predefined<br>- Immediate |
| Totally settled | Sum of all totally settled measures across all transfer types, per transaction category / transaction sub-category / underlying transaction type. |
| Partially settled | Sum of all partially settled measures across all transfer types, per transaction category / transaction sub-category / underlying transaction type. |
| Totally cancelled | Sum of all totally cancelled measures across all transfer types, per transaction category / transaction sub-category / underlying transaction type. |
| ~~Value~~Amount of transfers | Sum of all value of transfers measures across all transfer types, per transaction category / transaction sub-category / underlying transaction type. |
| ~~Value~~Amount actually transferred **{CR-874}** | Sum of all value actually transferred measures across all transfer types, per transaction category / transaction sub-category / underlying transaction type. |

### 6.3.6 INX06 - Multi-criteria search of a set of business cancellations

**Context of Usage**

This report shows a list of details for selected business cancellation instructions (CI), which it performs on two levels. In the first level, the report produces a list of CIs corresponding to user-supplied filter criteria. In the second level, the user may select one CI from the list and the detailed report provides a full list of attributes for the selected CI.

The attributes shown in the detailed report output provide business details related to the selected CI.

This report can be used by CB and CSD users.

## Report Access

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX06

## Screenshot

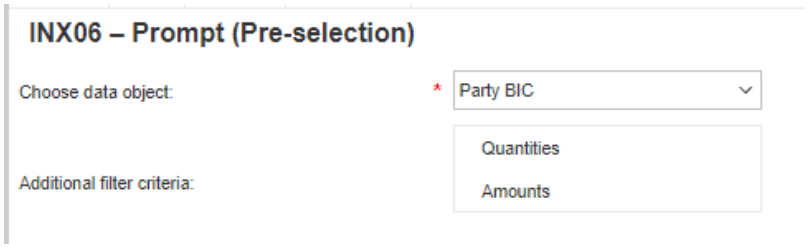
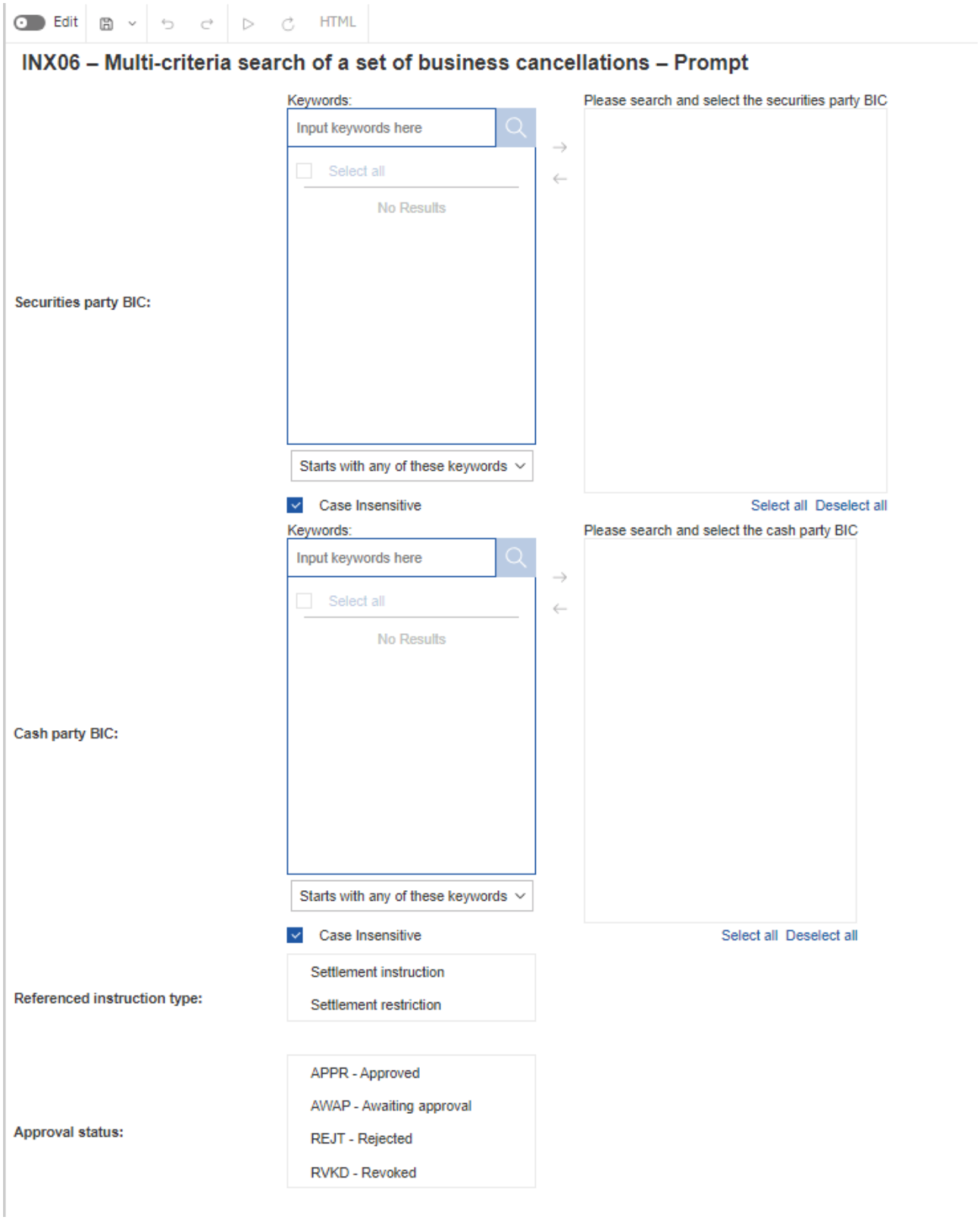



**Figure 423: INX06 pre-selection screen**

## Field Description

| INX06 – Multi-criteria search of a set of business cancellations – Pre-selection screen | |
|---|---|
| **Choose data object**<br>(one of both objects has to be chosen) | |
| Party BIC | Provides fields for searching securities party BICs or cash party BICs in the next screen |
| Account number | Provides fields for searching for securities account numbers or cash account numbers in the next screen |
| **Additional search criteria**<br>(both objects are optional) | |
| Quantity of securities | Provides fields for searching different quantity ranges in the next screen |
| Amounts | Provides fields for searching different amount ranges in the next screen |

## Screenshot


Edit
HTML
INX06 – Multi-criteria search of a set of business cancellations – Prompt
Keywords:
Input keywords here
Select all
No Results
Please search and select the securities party BIC
Securities party BIC:
Starts with any of these keywords
Case Insensitive
Select all Deselect all
Keywords:
Input keywords here
Select all
No Results
Please search and select the cash party BIC
Cash party BIC:
Starts with any of these keywords
Case Insensitive
Select all Deselect all
Settlement instruction
Settlement restriction
Referenced instruction type:
APPR - Approved
AWAP - Awaiting approval
REJT - Rejected
RVKD - Revoked
Approval status:

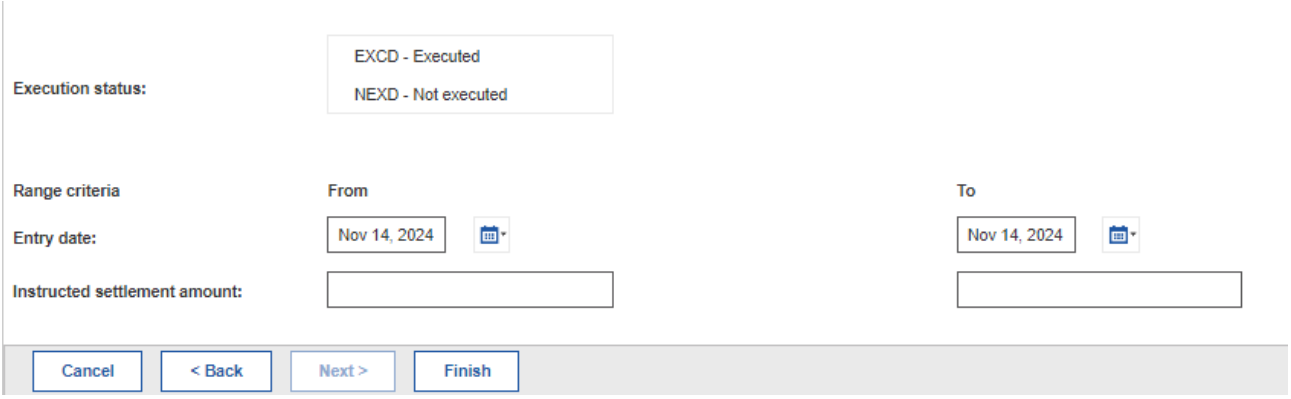



**Figure 424: INX06 prompt screen 2 - Party BIC**

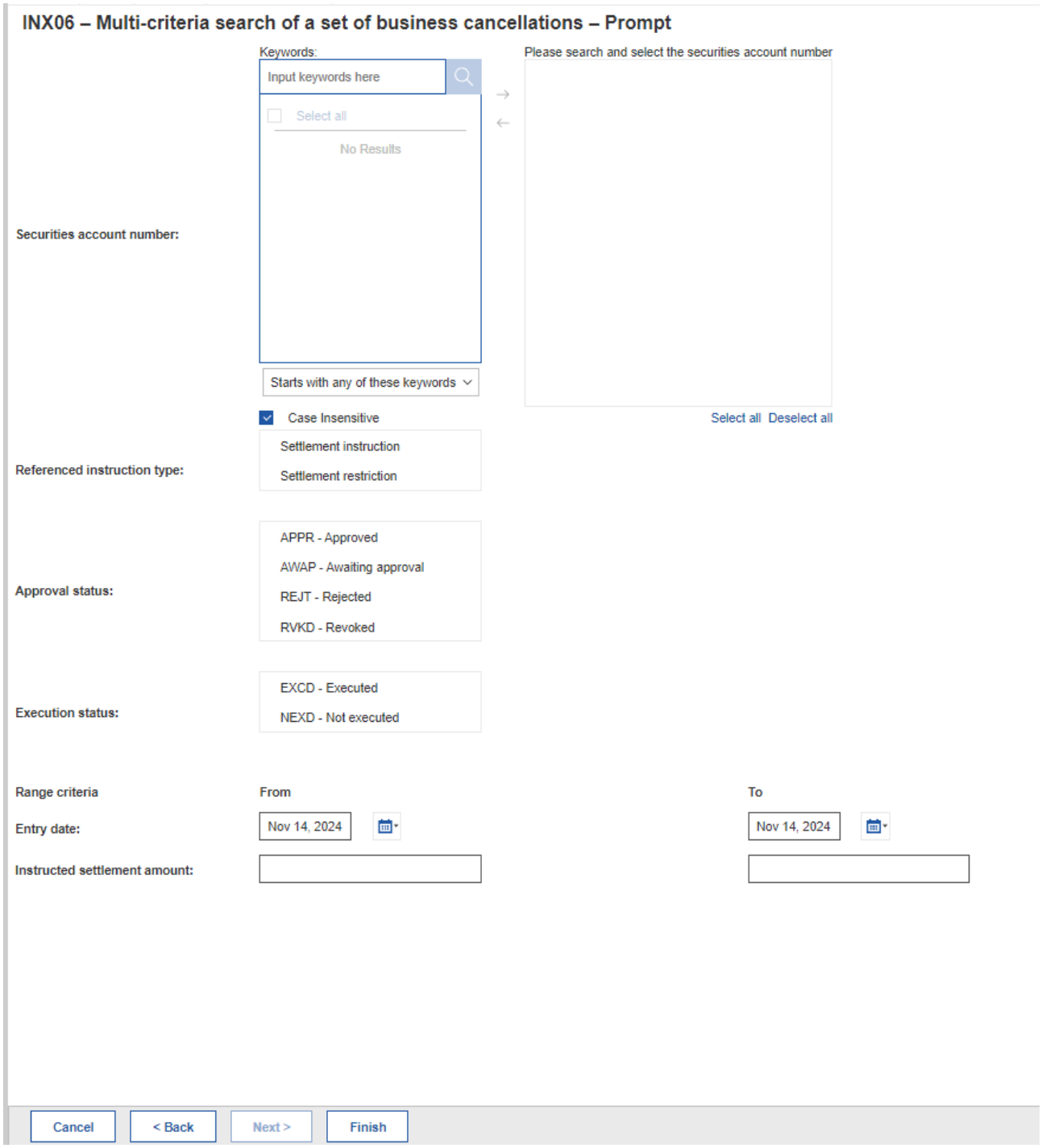



**Figure 425: INX06 prompt screen- 2 (CSD User login) - Account Number**

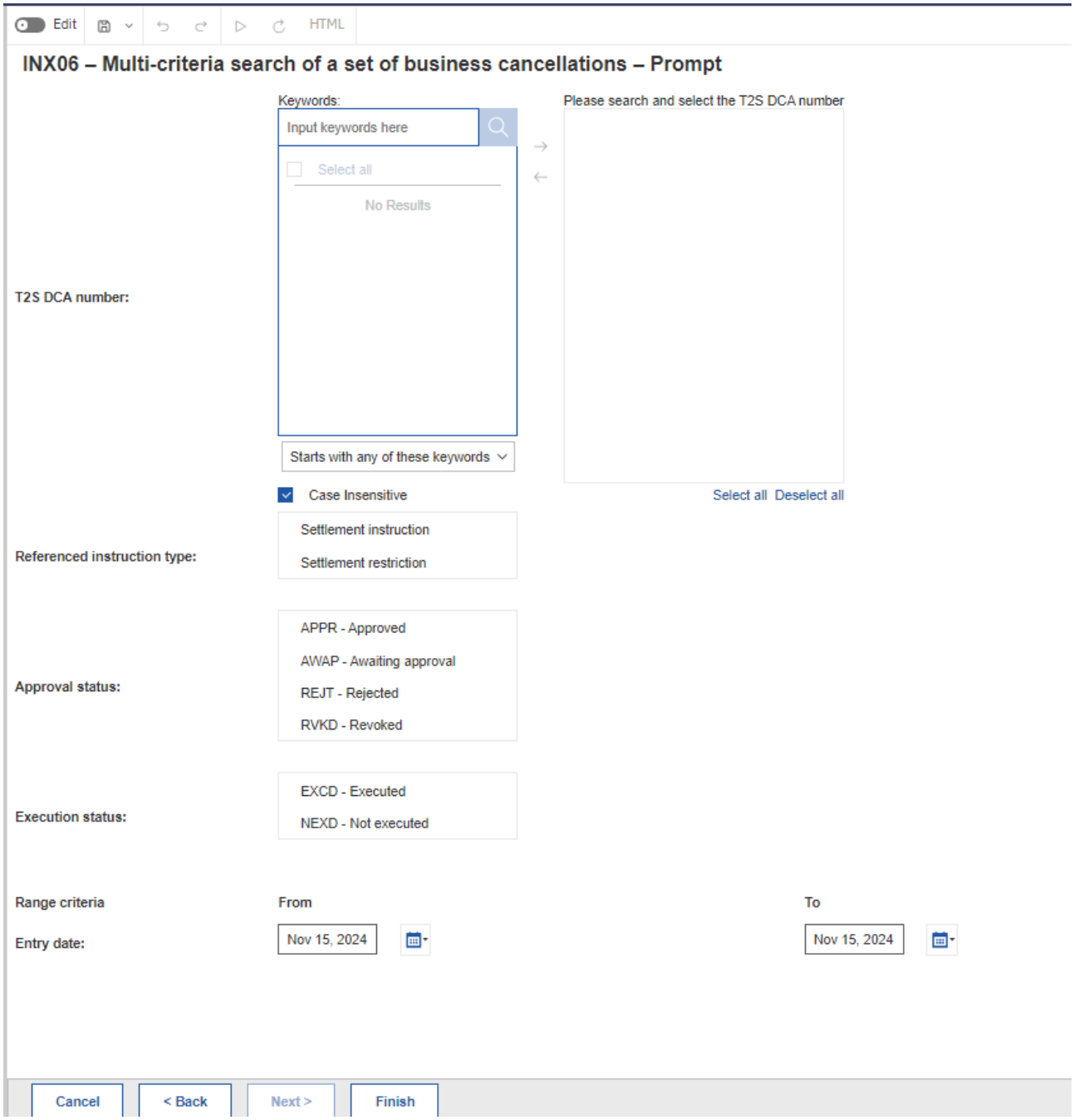



**Figure 426: INX06 prompt screen- 2 (CB User login) - Account Number**

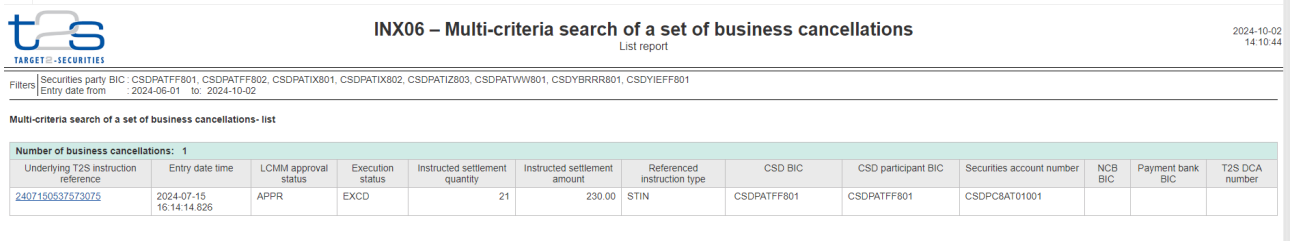
## Field Description

| INX06 – Multi-criteria search of a set of business cancellations – Prompt Screen | |
|---|---|
| **Displayed fields when selecting Party BIC** | |
| Securities party BIC | Filter to select which securities party BIC (CSDs, CSD participants or ECSDs) value/s should be included in the output. |
| Cash party BIC | Filter to select which cash party BIC (NCB or payment bank) value/s should be included in the output. |
| **Displayed fields when selecting Account Number** | |
| Securities account number | Filter to select which securities account number value/s should be included in the output. |
| T2S DCA number | Multiple selection text field to enter T2S DCA number value/s that should be included in the output. |
| Referenced instruction type | Filter to select which referenced instruction types should be included in the output.<br>Possible values:<br>- STIN (Settlement instruction)<br>- STRN (Settlement restriction) |
| Approval status | Filter to select which approval status value/s should be included in the output.<br>Possible values:<br>- APPR (Approved)<br>- AWAP (Awaiting approval)<br>- REJT (Rejected)<br>- RVKD (Revoked) |
| Execution status | Filter to select which execution status value/s should be included in the output.<br>Possible values:<br>- EXCD (Executed)<br>- NEXD (Not executed) |
| Entry date from | Filter to select the inclusive date from which entry date value/s should be included in the output.<br>Must be used in conjunction with:<br>- entry date to |
| Entry date to | Filter to select the inclusive date up to which entry date value/s should be included in the output. |

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| | |
|---|---|
| | Must be used in conjunction with:<br>- entry date from |
| The following criteria are only shown in case that “Quantity of securities” was chosen as additional search criteria | |
| Instructed settlement quantity from | Filter to select the inclusive quantity from which instructed settlement quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>- instructed settlement quantity to |
| Instructed settlement quantity to | Filter to select the inclusive quantity up to which instructed settlement quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>- instructed settlement quantity from |
| The following criteria are only shown in case that “Amounts” was chosen as additional search criteria | |
| Instructed settlement amount from | Filter to select the inclusive amount from which instructed settlement amount value/s should be included in the output.<br>Must be used in conjunction with:<br>- instructed settlement amount to |
| Instructed settlement amount to | Filter to select the inclusive amount up to which instructed settlement amount value/s should be included in the output.<br>Must be used in conjunction with:<br>- instructed settlement amount from |

## Screenshot



INX06 – Multi-criteria search of a set of business cancellations
List report
2024-10-02 14:10:44

Filters | Securities party BIC : CSDPATFF801, CSDPATFF802, CSDPATIX801, CSDPATIX802, CSDPATIZ803, CSDPATWW801, CSDYBRRR801, CSDYIEFF801
Entry date from : 2024-06-01 to: 2024-10-02

Multi-criteria search of a set of business cancellations- list

Number of business cancellations: 1

| Underlying T2S instruction reference | Entry date time | LCMM approval status | Execution status | Instructed settlement quantity | Instructed settlement amount | Referenced instruction type | CSD BIC | CSD participant BIC | Securities account number | NCB BIC | Payment bank BIC | T2S DCA number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2407150537573075 | 2024-07-15 16:14:14.826 | APPR | EXCD | 21 | 230.00 | STIN | CSDPATFF801 | CSDPATFF801 | CSDPC8AT01001 | | | |

**Figure 427: INX06 list screen**

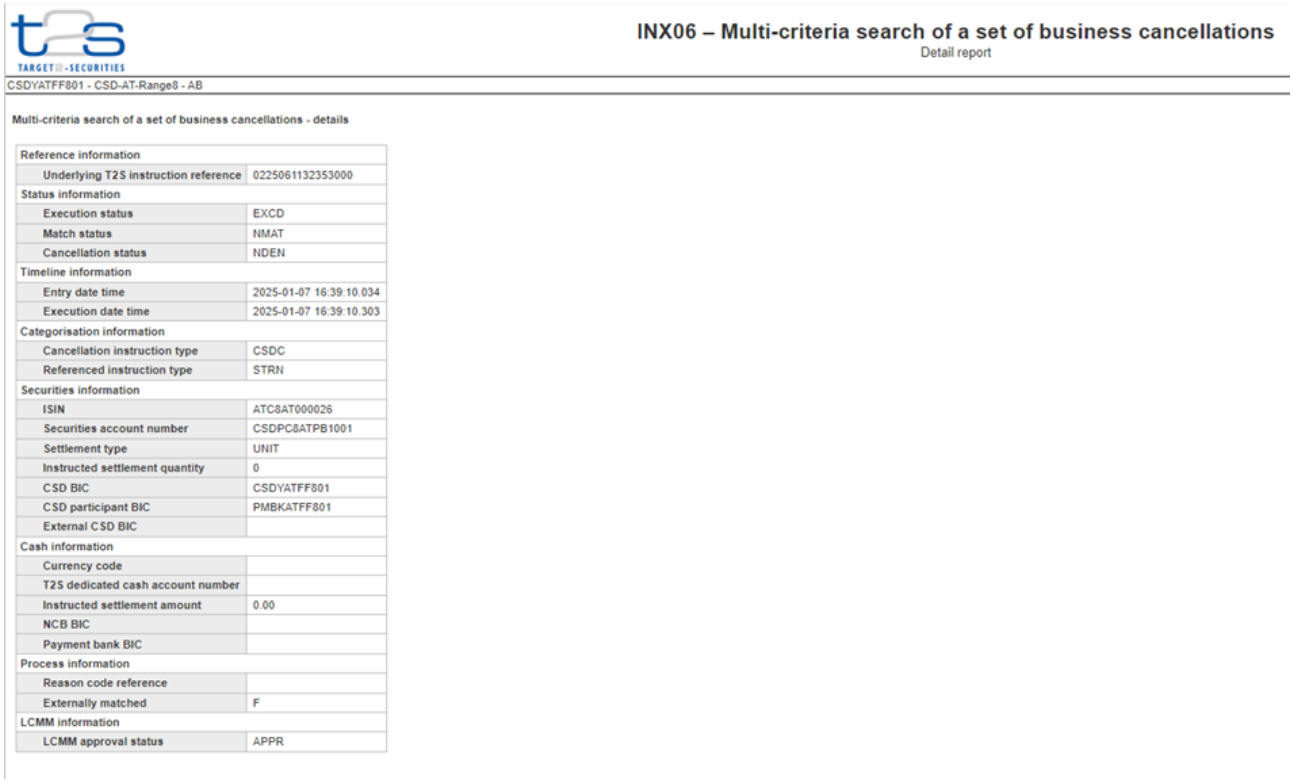
## Field Description

| INX06 – Multi-criteria search of a set of business cancellations – List Screen | |
|---|---|
| Number of business cancellation | Shows the number of cancellation instructions found matching the criteria |
| **(For each cancellation matching the selection criteria, one line will be displayed)** | |
| Underlying T2S instruction reference | Shows the T2S reference of the settlement instruction or settlement restriction. |
| Entry date time | Shows the date and time the cancellation instruction entered T2S.<br>Displayed format is: YYYY-MM-DD hh:mm:ss<br>The value displayed in the report differs from the view in the T2S GUI. This is a technical entry timestamp and it takes place between Entry (according to the GUI) and Execution (according to the GUI). |
| LCMM approval status | Shows the LCMM approval status.<br>Possible values:<br>- APPR (approved (default value))<br>- AWAP (awaiting approval)<br>- REJT (rejected)<br>- RVKD (revoked) |
| Execution status | Shows the execution status of the cancellation instruction.<br>Possible values:<br>- EXCD (executed)<br>- NEXD (not executed) |
| Instructed settlement quantity | Shows the instructed quantity of the securities of the underlying instruction in units or face amount. |
| Instructed settlement amount | Shows the instructed amount of the underlying instruction in the instruction's currency. |
| Referenced instruction type | Shows the type of the referenced instruction:<br>Possible values:<br>- STIN (settlement instruction)<br>- STRN (settlement restriction) |
| CSD BIC | Shows the BIC of the CSD |
| CSD participant BIC | Shows the BIC of the CSD participant |
| Securities account number | Shows the securities account number of the underlying instruction. |
| NCB BIC | Shows the parent party BIC of the payment bank (if applicable) |

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| | |
|---|---|
| Payment bank BIC | Shows the BIC of the payment bank (if applicable) |
| T2S dedicated cash account number | Shows the T2S dedicated cash account number of the underlying instruction. |
| Securities account number | Shows the impacted securities account number as per the SR. |
| NCB BIC | Shows the parent party BIC of the payment bank (if applicable) |
| Payment bank BIC | Shows the BIC of the payment bank (if applicable) |

## Screenshot



INX06 – Multi-criteria search of a set of business cancellations
Detail report

CSDYATFF801 - CSD-AT-Range8 - AB

Multi-criteria search of a set of business cancellations - details

| | |
|---|---|
| Reference information | |
| Underlying T2S instruction reference | 0225061132353000 |
| Status information | |
| Execution status | EXCD |
| Match status | NMAT |
| Cancellation status | NDEN |
| Timeline information | |
| Entry date time | 2025-01-07 16:39:10.034 |
| Execution date time | 2025-01-07 16:39:10.303 |
| Categorisation information | |
| Cancellation instruction type | CSDC |
| Referenced instruction type | STRN |
| Securities information | |
| ISIN | ATC8AT000026 |
| Securities account number | CSDPC8ATPB1001 |
| Settlement type | UNIT |
| Instructed settlement quantity | 0 |
| CSD BIC | CSDYATFF801 |
| CSD participant BIC | PMBKATFF801 |
| External CSD BIC | |
| Cash information | |
| Currency code | |
| T2S dedicated cash account number | |
| Instructed settlement amount | 0.00 |
| NCB BIC | |
| Payment bank BIC | |
| Process information | |
| Reason code reference | |
| Externally matched | F |
| LCMM information | |
| LCMM approval status | APPR |

**Figure 428: INX06 details screen**

## Field Description

| INX06 – Multi-criteria search of a set of business cancellations – Details Screen | |
|---|---|
| **Reference information** | |
| Underlying T2S instruction reference | Shows the T2S reference of the settlement instruction or the settlement restriction. |
| **Status information** | |
| Execution status | Shows the execution status of the cancellation instruction.<br>Possible values:<br>- EXCD (executed)<br>- NEXD (not executed) |
| Match status | Shows the matching status of the cancellation instruction.<br>Possible values:<br>- MACH (matched)<br>- NMAT (unmatched) |
| Cancellation status | Shows the cancellation status of the cancellation instruction.<br>Possible values:<br>- DEND (denied)<br>- NDEN (not denied) |
| **Timeline information** | |
| Entry date time | Shows the date and time the cancellation instruction entered T2S.<br>Displayed format is: YYYY-MM-DD hh:mm:ss<br>The value displayed in the report differs from the view in the T2S GUI. This is a technical entry timestamp and it takes place between Entry (according to the GUI) and Execution (according to the GUI). |
| Execution date time | Shows the execution date time of the cancellation instruction.<br>Displayed format is: YYYY-MM-DD |
| **Categorisation information** | |
| Cancellation instruction type | Shows the type of cancellation.<br>Possible values:<br>- PTYC (party cancellation)<br>- CSDC (CSD cancellation)<br>- COSD (CoSD cancellation) |

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| | |
|---|---|
| Referenced instruction type | Shows the type of the referenced instruction:<br>Possible values:<br>- STIN (settlement instruction)<br>- STRN (settlement restriction) |
| **Securities information**<br>(Please note, that this part will not be filled for cancellations for settlement restrictions on cash) | |
| ISIN | Shows the ISIN. |
| Securities account number | Shows the securities account number of the underlying instruction. |
| Settlement type | Shows the settlement type.<br>Possible values:<br>- FAMT (nominal)<br>- UNIT (units) |
| Instructed settlement quantity | Shows the instructed quantity of the securities of the underlying instruction in units or face amount. |
| CSD BIC | Shows the BIC of the CSD |
| CSD participant BIC | Shows the BIC of the CSD participant |
| External CSD BIC | Shows the BIC of the external CSD |
| **Cash information**<br>(Please note, that this part will not be filled for cancellations for restrictions on securities or for cancellations for settlement instructions “FOP”) | |
| Currency code | Shows the currency code. |
| T2S dedicated cash account number | Shows the T2S dedicated cash account number of the underlying instruction. |
| Instructed settlement amount | Shows the instructed amount of the underlying instruction in the instruction’s currency. |
| NCB BIC | Shows the BIC of the NCB |
| Payment bank BIC | Shows the BIC of the payment bank |
| **Process information** | |
| Reason code reference | Shows the reason code reference of the cancellation instruction. |

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| | |
|---|---|
| Externally matched | Shows if the instruction is already matched or not when it enters T2S.<br>Possible values:<br>- True (already matched outside T2S)<br>- False (unmatched) |
| **LCMM information** | |
| LCMM approval status | Shows the LCMM approval status.<br>Possible values:<br>- APPR (approved (default value))<br>- AWAP (awaiting approval)<br>- REJT (rejected)<br>- RVKD (revoked) |

## 6.3.7 INX07 - Multi-criteria search of a set of amendment instructions

**Context of Usage**

This report shows a list of details for selected amendment instructions (AI), which it performs on two levels. In the first level, the report produces a list of AIs corresponding to user-supplied filter criteria. In the second level, the user may select one AI from the list and the detailed report provides a full list of attributes for the selected AI

The attributes shown in the detailed report output provide business details related to the selected AI.

This report can be used by CB and CSD users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX07

**Screenshot**

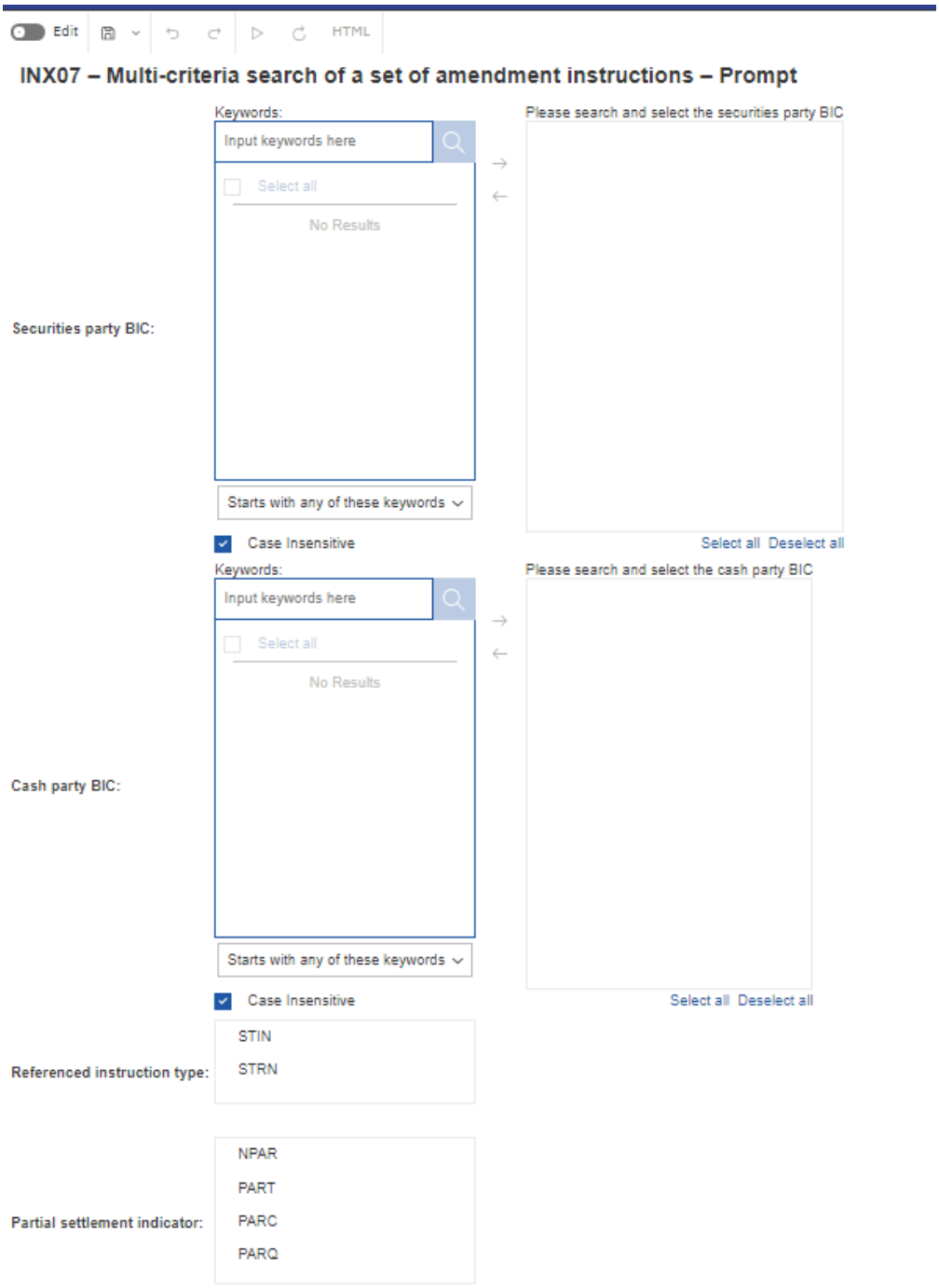



**Figure 429: INX07 pre-selection screen**

**Field Description**

| INX07 – Multi-criteria search of a set of amendment instructions – Pre-selection screen | |
|---|---|
| **Choose data object**<br>(one of both objects has to be chosen) | |
| Party BIC | Provides fields for searching securities party BICs or cash party BICs in the next screen |
| Account number | Provides fields for searching for securities account numbers or cash account numbers in the next screen |
| **Additional search criteria**<br>(both objects are optional) | |
| Quantites | Provides fields for searching different quantity ranges in the next screen |
| Amounts | Provides fields for searching different amount ranges in the next screen |

**Screenshot**


Edit
HTML
INX07 – Multi-criteria search of a set of amendment instructions – Prompt
Keywords:
Input keywords here
Select all
No Results
Please search and select the securities party BIC
Securities party BIC:
Starts with any of these keywords
Case Insensitive
Select all Deselect all
Keywords:
Input keywords here
Select all
No Results
Please search and select the cash party BIC
Cash party BIC:
Starts with any of these keywords
Case Insensitive
Select all Deselect all
Referenced instruction type:
STIN
STRN
Partial settlement indicator:
NPAR
PART
PARC
PARQ

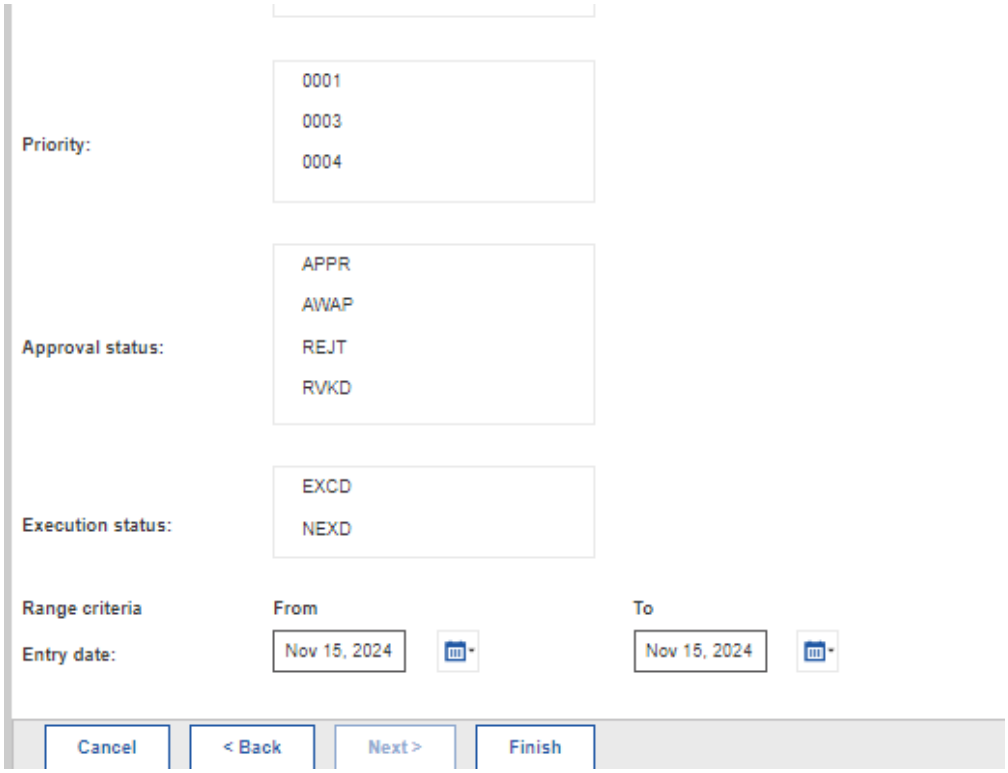



**Figure 430: INX07 prompt screen 2 - Party BIC**

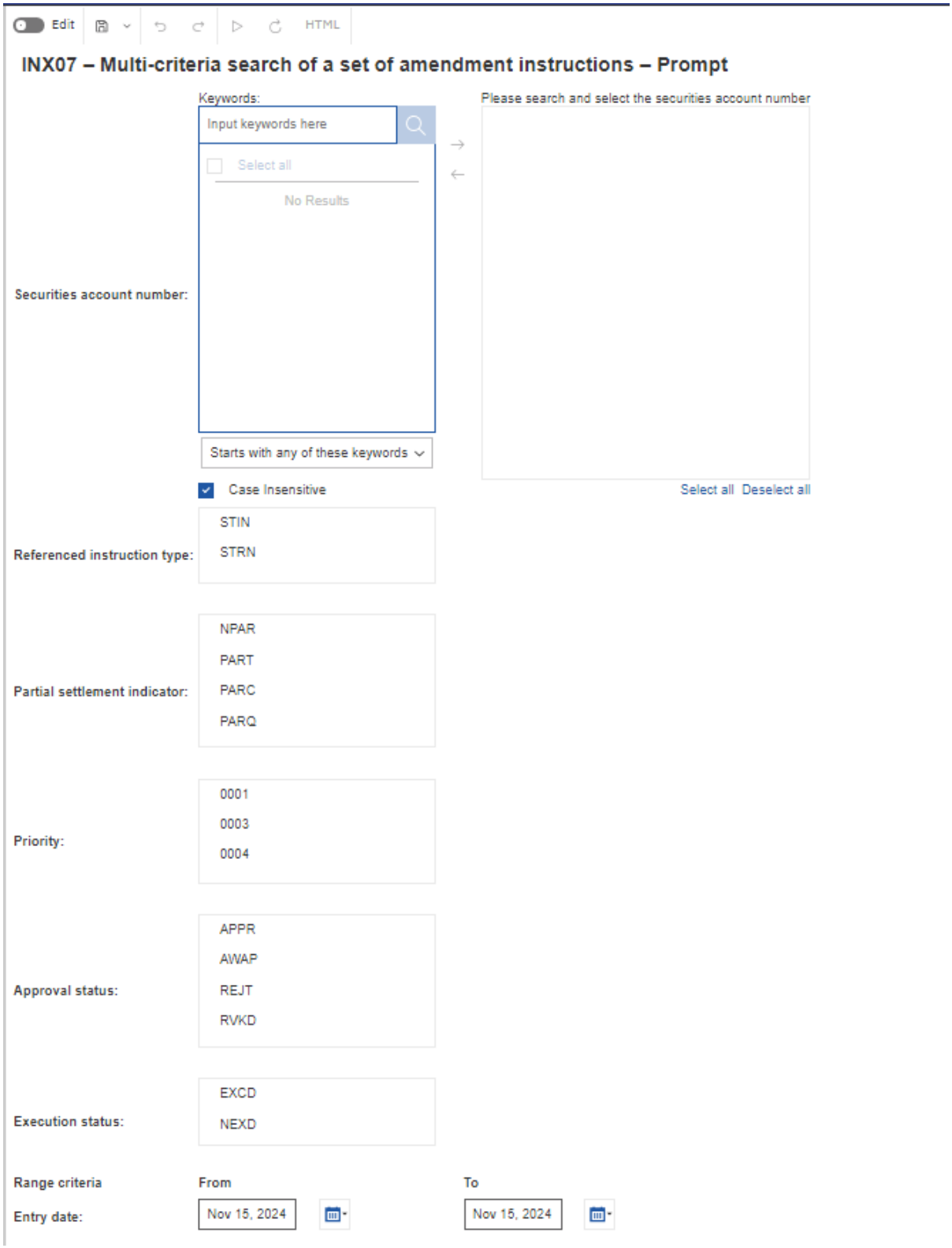



**Figure 431: INX07 prompt screen 2- (CSD User login)- Account number**

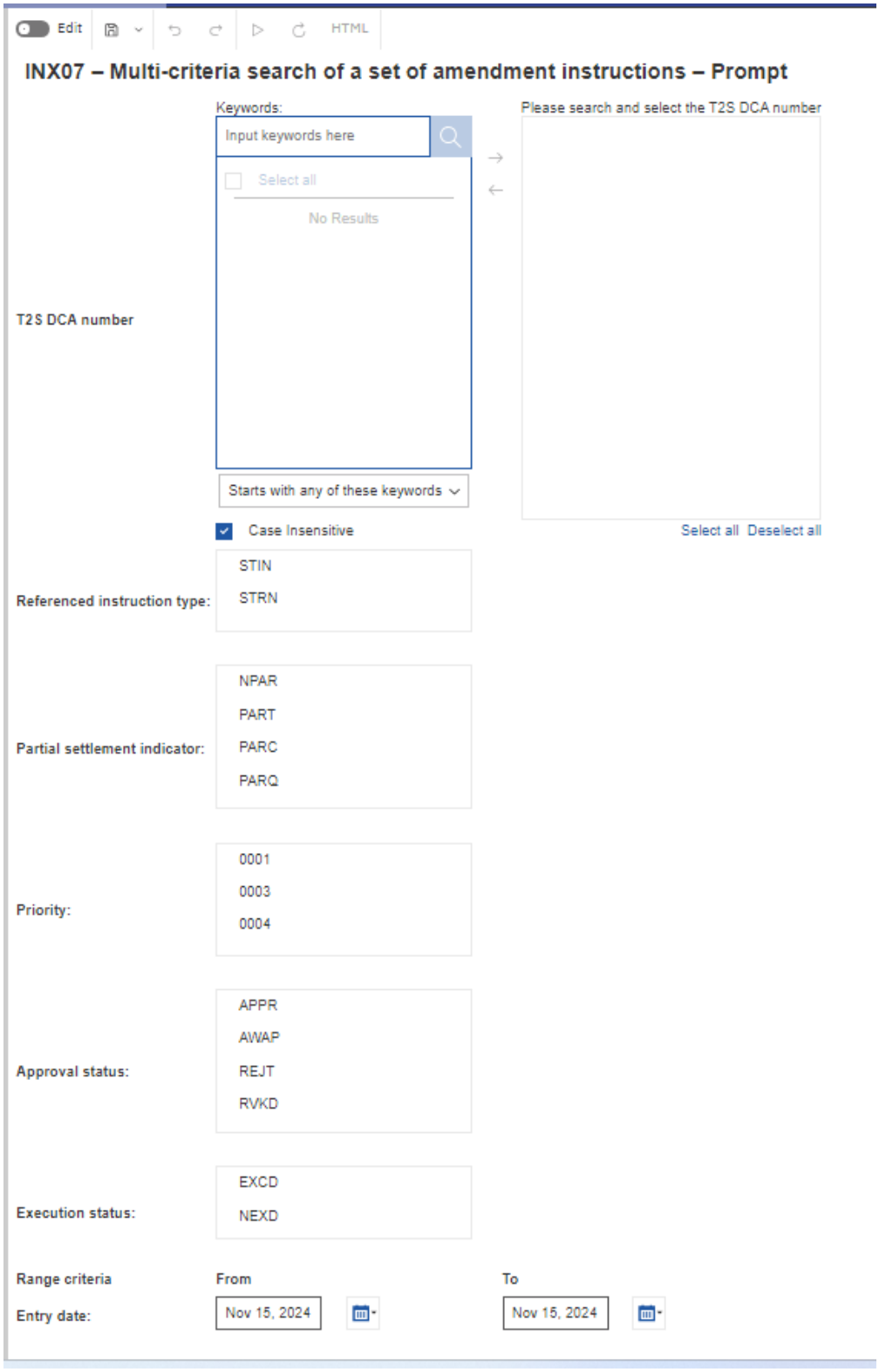



**Figure 432: INX07 prompt screen 2- (CB User login)- Account number**

## Field Description

| INX07 – Multi-criteria search of a set of amendment instructions – Prompt Screen | |
|---|---|
| **Displayed fields when selecting Party BIC** | |
| Securities party BIC | Filter to select which securities party BIC (CSDs, CSD participants or ECSDs) value/s should be included in the output. |
| Cash party BIC | Filter to select which cash party BIC (NCB or payment bank) value/s should be included in the output. |
| **Displayed fields when selecting Account number** | |
| Securities account number | Filter to select which securities account number value/s should be included in the output. |
| T2S DCA number | Multiple selection text field to enter T2S DCA number value/s that should be included in the output. |
| Referenced instruction type | Filter to select which referenced instruction types should be included in the output.<br>Possible values:<br>- STIN (Settlement instruction)<br>- STRN (Settlement restriction) |
| Partial settlement indicator | Filter to select which partial settlement indicator value/s should be included in the output.<br>Possible values:<br>- NPAR<br>- PART<br>- PARC<br>- PARQ |
| Priority | Filter to select which priority value/s should be included in the output.<br>Possible values:<br>- 0001<br>- 0003<br>- 0004 |
| Approval status | Filter to select which approval status value/s should be included in the output.<br>Possible values: |

| | |
|---|---|
| | ▪ APPR<br>▪ AWAP<br>▪ REJT<br>▪ RVKD |
| Execution status | Filter to select which execution status value/s should be included in the output.<br>Possible values:<br>▪ EXCD<br>▪ NEXD |
| Entry date time from | Filter to select the inclusive date from which entry date value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ entry date time to |
| Entry date time to | Filter to select the inclusive date up to which entry date value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ entry date time from |
| The following criteria are only shown in case that “Quantity of securities” was chosen as additional search criteria | |
| Instructed settlement quantity from | Filter to select the inclusive quantity from which instructed settlement quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ instructed settlement quantity to |
| Instructed settlement quantity to | Filter to select the inclusive quantity up to which instructed settlement quantity value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ instructed settlement quantity from |
| The following criteria are only shown in case that “Amounts” was chosen as additional search criteria | |
| Instructed settlement amount from | Filter to select the inclusive amount from which instructed settlement amount value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ instructed settlement amount to |
| Instructed settlement amount to | Filter to select the inclusive amount up to which instructed settlement amount value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ instructed settlement amount from |

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## Screenshot

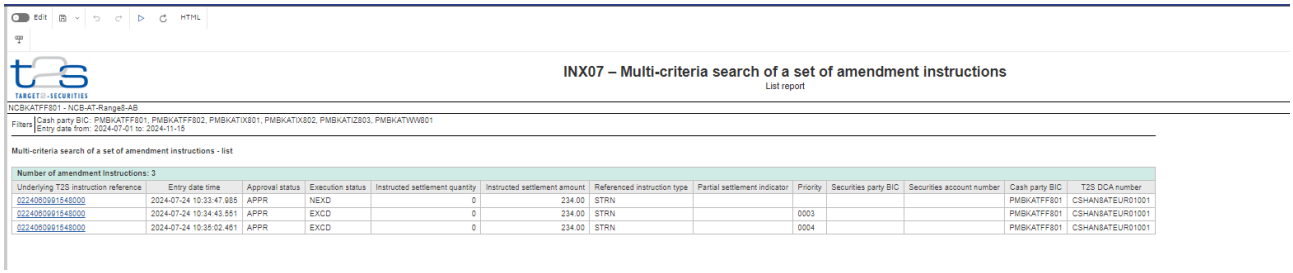



**Figure 433: INX07 list screen**

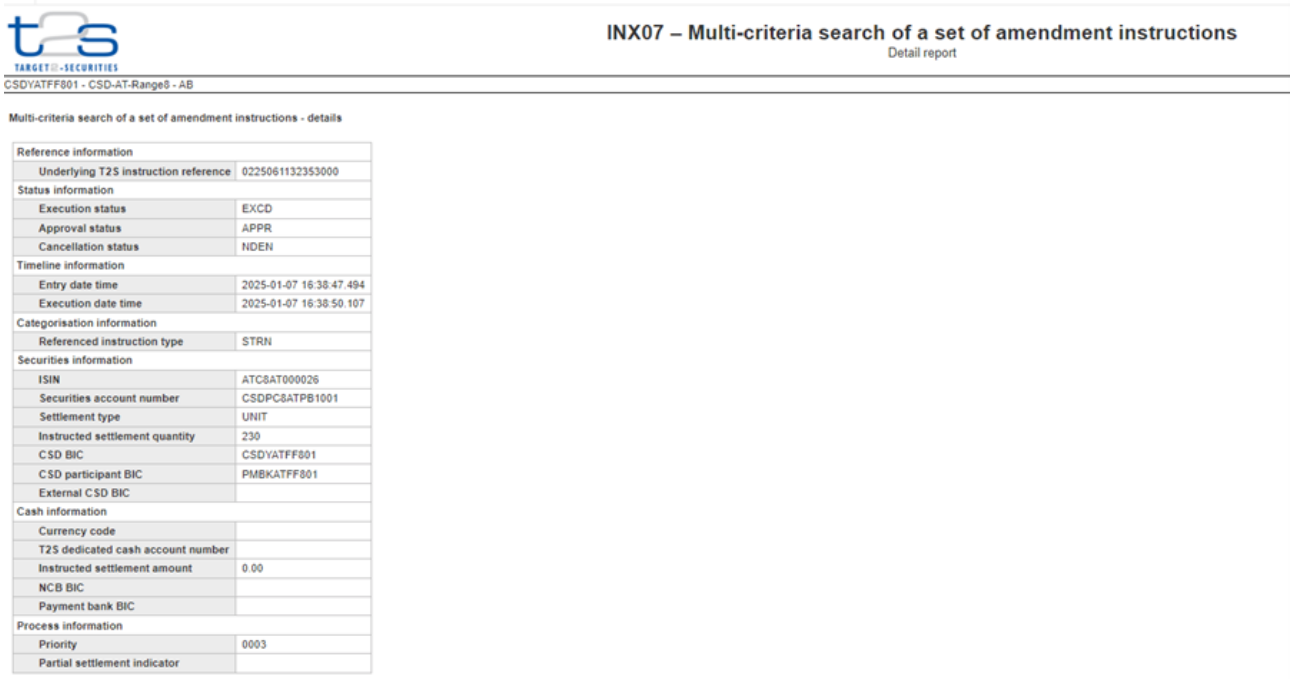
## Field Description

| INX07 – Multi-criteria search of a set of amendment instructions – List Screen | |
|---|---|
| Number of amendment instructions | Shows the number of amendment instructions found matching the criteria |
| **(For each amendment instruction matching the selection criteria, one line will be displayed)** | |
| Underlying T2S instruction reference | Shows the underlying T2S reference of the settlement instruction or settlement restriction. |
| Entry date time | Shows the date and time the amendment instruction entered T2S.<br>Displayed format is: YYYY-MM-DD hh:mm:ss:µsµsµsµsµs |
| Approval status | Shows the matching status of the amendment instruction.<br>Possible values:<br>- APPR (Approved)<br>- AWAP (Awaiting approval)<br>- REJT (Rejected)<br>- RVKD (Revoked) |
| Execution status | Shows the execution status of the amendment instruction.<br>Possible values:<br>- EXCD (executed)<br>- NEXD (not executed) |
| Instructed settlement quantity | Shows the instructed quantity of securities of the underlying instruction in units or face amount. |
| Instructed settlement amount | Shows the instructed amount of the underlying instruction in the instruction's currency. |
| Referenced instruction type | Shows the type of instruction of the referenced instruction:<br>Possible values:<br>- STIN (settlement instruction)<br>- STRN (settlement restriction) |
| Partial settlement indicator | Shows if the amendment instruction allows partial settlement and indicates the threshold type.<br>Possible values:<br>- NPAR (partial not allowed<br>- PART (partial allowed<br>- PARC (partial settlement cash threshold allowed)<br>- PARQ (partial settlement quantity threshold allowed) |

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| | |
|---|---|
| Priority | Shows the priority of the amendment instruction from the possible values:<br>- 0001 (Reserved)<br>- 0002 (Top)<br>- 0003 (High)<br>- 0004 (Normal) |
| Securities party BIC | Shows the BIC of the securities account owner. |
| Securities account number | Shows the securities account number of the underlying instruction. |
| Cash party BIC | Shows the BIC of the cash account owner. |
| T2S dedicated cash account number | Shows the T2S dedicated cash account number of the underlying instruction. |

## Screenshot



INX07 – Multi-criteria search of a set of amendment instructions
Detail report

CSDYATFF801 - CSD-AT-Range8 - AB

Multi-criteria search of a set of amendment instructions - details

| | |
|---|---|
| Reference information | |
| Underlying T2S instruction reference | 0225061132353000 |
| Status information | |
| Execution status | EXCD |
| Approval status | APPR |
| Cancellation status | NDEN |
| Timeline information | |
| Entry date time | 2025-01-07 16:38:47.494 |
| Execution date time | 2025-01-07 16:38:50.107 |
| Categorisation information | |
| Referenced instruction type | STRN |
| Securities information | |
| ISIN | ATC8AT000026 |
| Securities account number | CSDPC8ATPB1001 |
| Settlement type | UNIT |
| Instructed settlement quantity | 230 |
| CSD BIC | CSDYATFF801 |
| CSD participant BIC | PMBKATFF801 |
| External CSD BIC | |
| Cash information | |
| Currency code | |
| T2S dedicated cash account number | |
| Instructed settlement amount | 0.00 |
| NCB BIC | |
| Payment bank BIC | |
| Process information | |
| Priority | 0003 |
| Partial settlement indicator | |

**Figure 434: INX07 details screen**

## Field Description

| INX07 – Multi-criteria search of a set of amendment instructions – Details Screen | |
|---|---|
| **Reference information** | |
| Underlying T2S instruction reference | Shows the T2S reference of the settlement instruction or the settlement restriction. |
| **Status information** | |
| Execution status | Shows the execution status of the amendment instruction.<br>Possible values:<br>- EXCD (executed)<br>- NEXD (not executed) |
| Approval status | Shows the matching status of the amendment instruction.<br>Possible values:<br>- APPR (Approved)<br>- AWAP (Awaiting approval)<br>- REJT (Rejected)<br>- RVKD (Revoked) |
| Cancellation status | Shows the cancellation status of the amendment instruction.<br>Possible values:<br>- DEND (denied)<br>- NDEN (not denied) |
| **Timeline information** | |
| Entry date time | Shows the date and time the amendment instruction entered T2S.<br>Displayed format is: YYYY-MM-DD hh:mm:ss,ssss |
| Execution date time | Shows the execution date time of the amendment instruction.<br>Displayed format is: YYYY-MM-DD |
| **Categorisation information** | |
| Referenced instruction type | Shows the type of the referenced instruction:<br>Possible values:<br>- STIN (settlement instruction)<br>- STRN (settlement restriction) |
| **Securities information**<br>(Please note, that this part will not be filled for cancellations for settlement restrictions on cash) | |

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| | |
|---|---|
| ISIN | Shows the ISIN. |
| Securities account number | Shows the securities account number of the underlying instruction. |
| Settlement type | Shows the settlement type.<br>Possible values:<br>- FAMT (nominal)<br>- UNIT (units) |
| Instructed settlement quantity | Shows the instructed quantity of the securities of the underlying instruction in units or face amount. |
| CSD BIC | Shows the BIC of the CSD |
| CSD participant BIC | Shows the BIC of the CSD participant |
| External CSD BIC | Shows the BIC of the external CSD |
| **Cash information**<br>(Please note, that this part will not be filled for cancellations for restrictions on securities or for cancellations for settlement instructions “FOP”) | |
| Currency code | Shows the currency code. |
| T2S dedicated cash account number | Shows the T2S dedicated cash account number of the underlying instruction. |
| Instructed settlement amount | Shows the instructed amount of the underlying instruction in the instruction’s currency. |
| NCB BIC | Shows the BIC of the NCB |
| Payment bank BIC | Shows the BIC of the payment bank |
| **Process information** | |
| Priority | Shows the priority of the amendment instruction from the possible values:<br>- 0001 (Reserved)<br>- 0002 (Top)<br>- 0003 (High)<br>- 0004 (Normal) |
| Partial settlement indicator | Shows if the amendment instruction allows partial settlement and indicates the threshold type.<br>Possible values: |

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| | |
|---|---|
| | NPAR (partial not allowed)<br>PART (partial allowed)<br>PARC (partial settlement cash threshold allowed)<br>PARQ (partial settlement quantity threshold allowed) |

### 6.3.8 INX08 - Multi-criteria search of a set of hold and release instructions

**Context of Usage**

This report shows a list of details for selected hold and release instructions (HR), which it performs on two levels. In the first level, the report produces a list of HRIs corresponding to user-supplied filter criteria. In the second level, the user may select one HR from the list and the detailed report provides a full list of attributes for the selected HR.

The attributes shown in the detailed report output provide business details related to the selected HR.

This report can be used by CSD users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX08

**Screenshot**

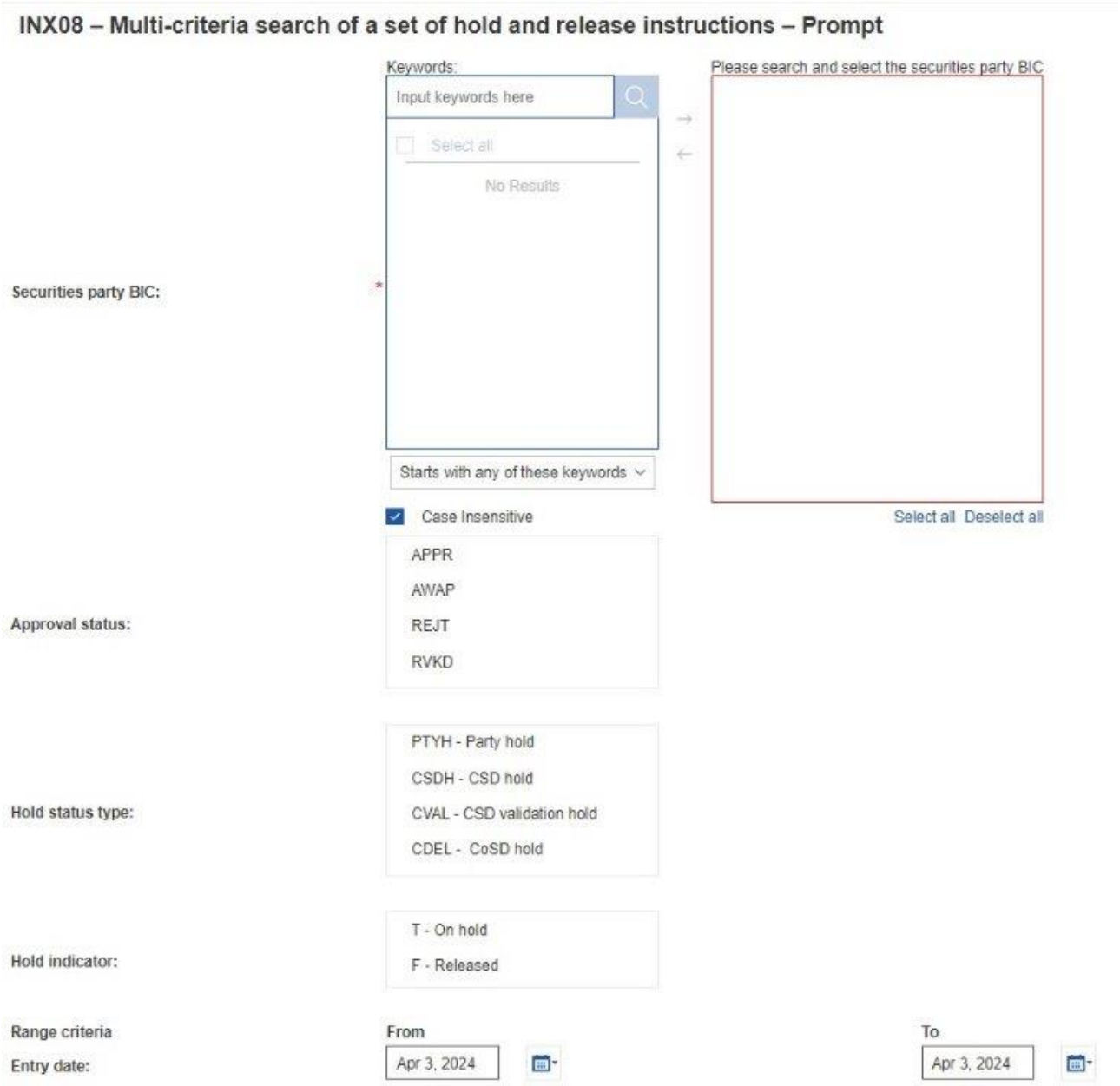
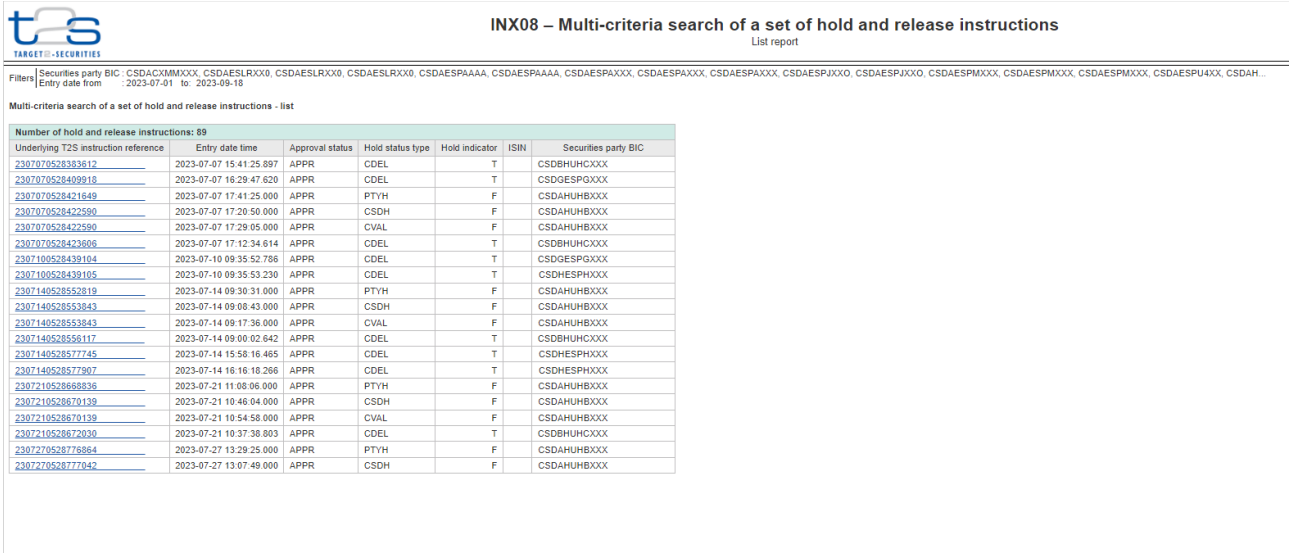



**Figure 435: INX08 prompt screen**

## Field Description

| INX08 – Multi-criteria search of a set of hold and release instructions – Prompt Screen | |
|---|---|
| Securities party BIC | Filter to select which securities party BIC (CSDs, CSD participants or ECSDs) value/s should be included in the output.<br>This field is mandatory. |
| Approval status | Filter to select which approval status value/s should be included in the output.<br>• APPR<br>• AWAP<br>• REJT<br>• RVKD |
| Hold status type | Filter to select which hold status type value/s should be included in the output.<br>Possible values<br>• PTYH - Party hold<br>• CSDH – CSD hold<br>• CVAL CSD validation hold<br>• CDEL – CoSD hold |
| Hold indicator | Filter to select which hold status type value/s should be included in the output.<br>Possible values<br>• T – On hold<br>• F - Released |
| Entry date time from | Filter to select the inclusive date from which entry date value/s should be included in the output.<br>Must be used in conjunction with:<br>• Entry date time to |
| Entry date time to | Filter to select the inclusive date up to which entry date value/s should be included in the output.<br>Must be used in conjunction with:<br>• Entry date time from |

**Screenshot**



INX08 – Multi-criteria search of a set of hold and release instructions
List report

Filters | Securities party BIC : CSDACXMMXXX, CSDAESLRXX0, CSDAESLRXX0, CSDAESLRXX0, CSDAESPAAAA, CSDAESPAAAA, CSDAESPAXXX, CSDAESPAXXX, CSDAESPAXXX, CSDAESPJXXO, CSDAESPJXXO, CSDAESPMXXX, CSDAESPMXXX, CSDAESPMXXX, CSDAESPU4XX, CSDAH...
Entry date from : 2023-07-01 to: 2023-09-18

Multi-criteria search of a set of hold and release instructions - list

Number of hold and release instructions: 89

| Underlying T2S instruction reference | Entry date time | Approval status | Hold status type | Hold indicator | ISIN | Securities party BIC |
|---|---|---|---|---|---|---|
| 2307070528383612 | 2023-07-07 15:41:25.897 | APPR | CDEL | T | | CSDBHUHCXXX |
| 2307070528409918 | 2023-07-07 16:29:47.620 | APPR | CDEL | T | | CSDGESPGXXX |
| 2307070528421649 | 2023-07-07 17:41:25.000 | APPR | PTYH | F | | CSDAHUHBXXX |
| 2307070528422590 | 2023-07-07 17:20:50.000 | APPR | CSDH | F | | CSDAHUHBXXX |
| 2307070528422590 | 2023-07-07 17:29:05.000 | APPR | CVAL | F | | CSDAHUHBXXX |
| 2307070528423606 | 2023-07-07 17:12:34.614 | APPR | CDEL | T | | CSDBHUHCXXX |
| 2307100528439104 | 2023-07-10 09:35:52.786 | APPR | CDEL | T | | CSDGESPGXXX |
| 2307100528439105 | 2023-07-10 09:35:53.230 | APPR | CDEL | T | | CSDHESPHXXX |
| 2307140528552819 | 2023-07-14 09:30:31.000 | APPR | PTYH | F | | CSDAHUHBXXX |
| 2307140528553843 | 2023-07-14 09:08:43.000 | APPR | CSDH | F | | CSDAHUHBXXX |
| 2307140528553843 | 2023-07-14 09:17:36.000 | APPR | CVAL | F | | CSDAHUHBXXX |
| 2307140528556117 | 2023-07-14 09:00:02.642 | APPR | CDEL | T | | CSDBHUHCXXX |
| 2307140528577745 | 2023-07-14 15:58:16.465 | APPR | CDEL | T | | CSDHESPHXXX |
| 2307140528577907 | 2023-07-14 16:16:18.266 | APPR | CDEL | T | | CSDHESPHXXX |
| 2307210528668836 | 2023-07-21 11:08:06.000 | APPR | PTYH | F | | CSDAHUHBXXX |
| 2307210528670139 | 2023-07-21 10:46:04.000 | APPR | CSDH | F | | CSDAHUHBXXX |
| 2307210528670139 | 2023-07-21 10:54:58.000 | APPR | CVAL | F | | CSDAHUHBXXX |
| 2307210528672030 | 2023-07-21 10:37:38.803 | APPR | CDEL | T | | CSDBHUHCXXX |
| 2307270528776864 | 2023-07-27 13:29:25.000 | APPR | PTYH | F | | CSDAHUHBXXX |
| 2307270528777042 | 2023-07-27 13:07:49.000 | APPR | CSDH | F | | CSDAHUHBXXX |

**Figure 436: INX08 list screen**

## Field Description

| INX08 – Multi-criteria search of a set of hold and release instructions – List Screen | |
|---|---|
| Number of hold and release instructions | Count of the number of hold and release instructions resulting from the filter screen. |
| **(For each hold/release instruction matching the selection criteria, one line will be displayed)** | |
| Underlying T2S instruction reference | Shows the reference of the underlying T2S instruction (settlement instruction or settlement restriction) |
| Entry date time | Shows the date and time the hold or release instruction entered T2S.<br>Displayed format is: YYYY-MM-DD hh:mm:ss |
| Approval status | Shows the matching status of the hold or release instruction.<br>Possible values:<br>- APPR (Approved)<br>- AWAP (Awaiting approval)<br>- REJT (Rejected)<br>- RVKD (Revoked) |
| Hold status type | Shows the hold status for the instructions.<br>Possible values:<br>- CoSD hold<br>- Party hold<br>- CSD hold<br>- CSD validation hold |
| Hold indicator | Shows the CSD hold status.<br>Possible values:<br>- Yes (when the instruction intends to hold an instruction)<br>- No (when the instruction intends to release an instruction) |
| ISIN | Shows the unique identification of the securities from a business point of view. |
| Securities party BIC | Shows the BIC of the owner of the securities account. |

**Screenshot**

INX08 – Multi-criteria search of a set of hold and release instructions - details
Detail report

Multi-criteria search of a set of hold and release instructions - detail

| | |
|---|---|
| **Reference information** | |
| Underlying T2S instruction reference | 2307070528383612 |
| **Status information** | |
| Execution status | EXCD |
| Approval status | APPR |
| Cancellation status | NDEN |
| **Timeline information** | |
| Entry date time | 2023-07-07 15:41:25.897 |
| Execution date time | 2023-07-07 15:41:26.004 |
| **Securities information** | |
| ISIN | |
| Securities account number | |
| CSD BIC | CSDBHUHCXXX |
| CSD participant BIC | |
| External CSD BIC | |
| **Process information** | |
| Hold status type | CDEL |
| Hold indicator | T |
| CoSD rule | 200028460 |
| **Cash information** | |
| Instructing party | CSDBHUHCXXX |
| Sending party | TCSOTCS0XXX |
| User ID | T2S SU |
| Inbound LCMM message reference | |

**Figure 437: INX08 details screen**

## Field Description

| INX08 – Multi-criteria search of a set of hold and release instructions – Details Screen | |
|---|---|
| **Reference information** | |
| Underlying T2S instruction reference | Shows the T2S reference of the settlement instruction or the settlement restriction. |
| **Status information** | |
| Execution status | Shows the execution status of the hold or release instruction.<br>Possible values:<br>- EXCD (executed)<br>- NEXD (not executed) |
| Approval status | Shows the matching status of the hold or release instruction.<br>Possible values:<br>- APPR (Approved)<br>- AWAP (Awaiting approval)<br>- REJT (Rejected)<br>- RVKD (Revoked) |
| Cancellation status | Shows the cancellation status of the hold or release instruction.<br>Possible values:<br>- DEND (denied)<br>- NDEN (not denied) |
| **Timeline information** | |
| Entry date time | Shows the date and time the hold or release instruction entered T2S.<br>Displayed format is: YYYY-MM-DD hh:mm:ss |
| Execution date time | Shows the date and time of the execution of the hold/release instruction.<br>Displayed format is : YYYY-MM-DD and hh:mm:ss. |
| **Securities information** | |
| ISIN | Shows the ISIN. |
| Securities account number | Shows the securities account number of the underlying instruction. |
| CSD BIC | Shows the BIC of the CSD |
| CSD participant BIC | Shows the BIC of the CSD participant |

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| | |
|---|---|
| External CSD BIC | Shows the BIC of the external CSD |
| **Process Information** | |
| Hold status type | Shows the hold status for the instructions.<br>Possible values:<br>- CoSD hold<br>- Party hold<br>- CSD hold<br>- CSD validation hold |
| Hold indicator | Shows the CSD hold status.<br>Possible values:<br>- On hold (when the instruction intends to hold an instruction)<br>- Released (when the instruction intends to release an instruction) |
| CoSD rule | Shows the T2S reference for the CoSD rule. |
| **Communication information** | |
| Instructing party | Shows the T2S reference of the party that instructs the LCMM instruction. |
| Sending party | Shows the T2S reference of the party that sent the LCMM instruction. |
| User Id | Shows the T2S reference of the user. |
| Inbound LCMM message reference | Shows the incoming message reference assigned by the T2S actor. |

### 6.3.9 INX09 - Multi-criteria search of a set of liquidity transfers

**Context of Usage**

This report shows a list of details for selected finalised liquidity transfers (LT), which it performs on two levels. In the first level, the report produces a list of LTs corresponding to user-supplied filter criteria. In the second level, the user may select one LT from the list and the detailed report provides a full list of attributes for selected LT.

The attributes shown in the detailed report output provide business details related to the selected LT.

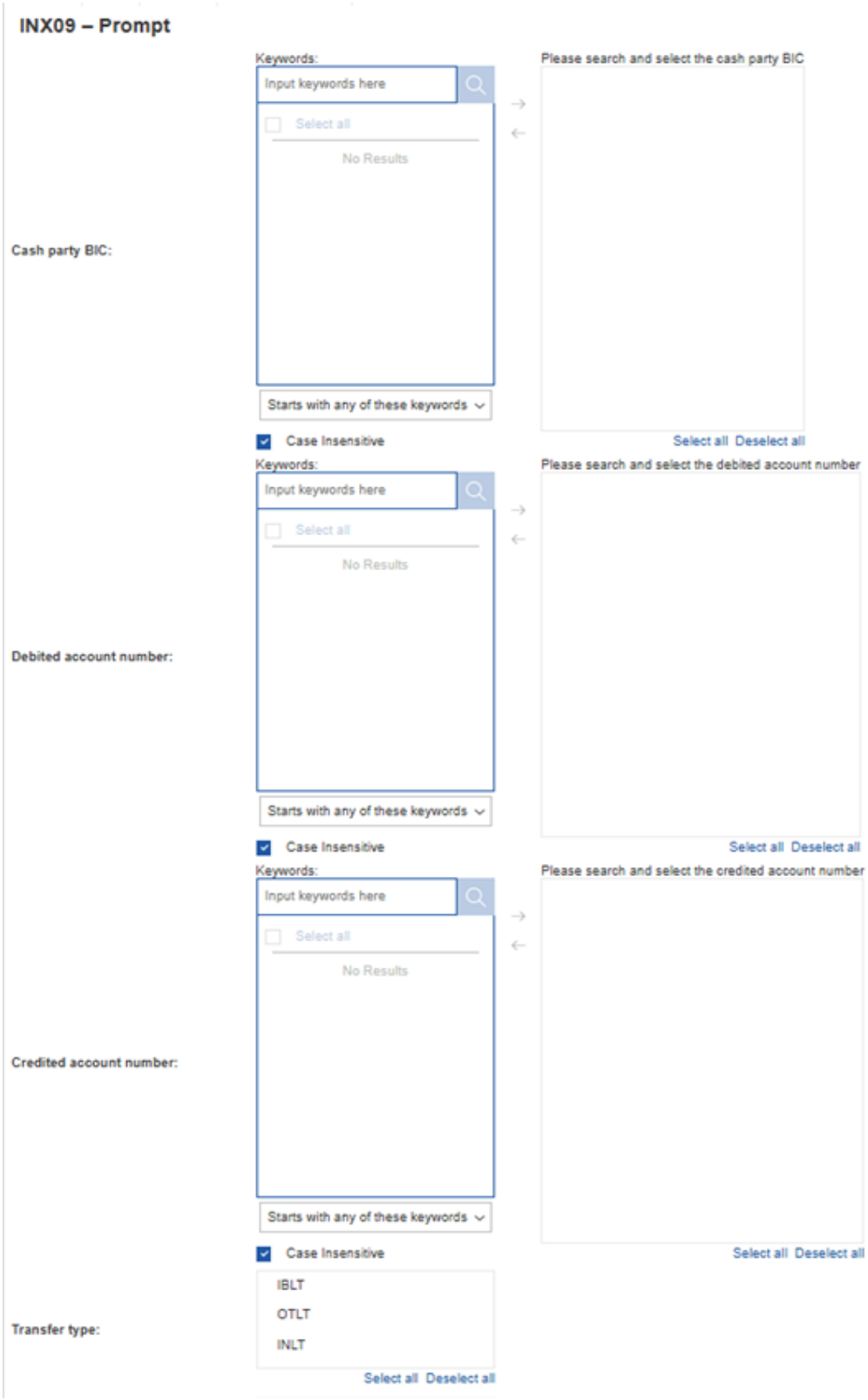
This report can be used by CB users.

**Report Access**

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX09

**Screenshot**



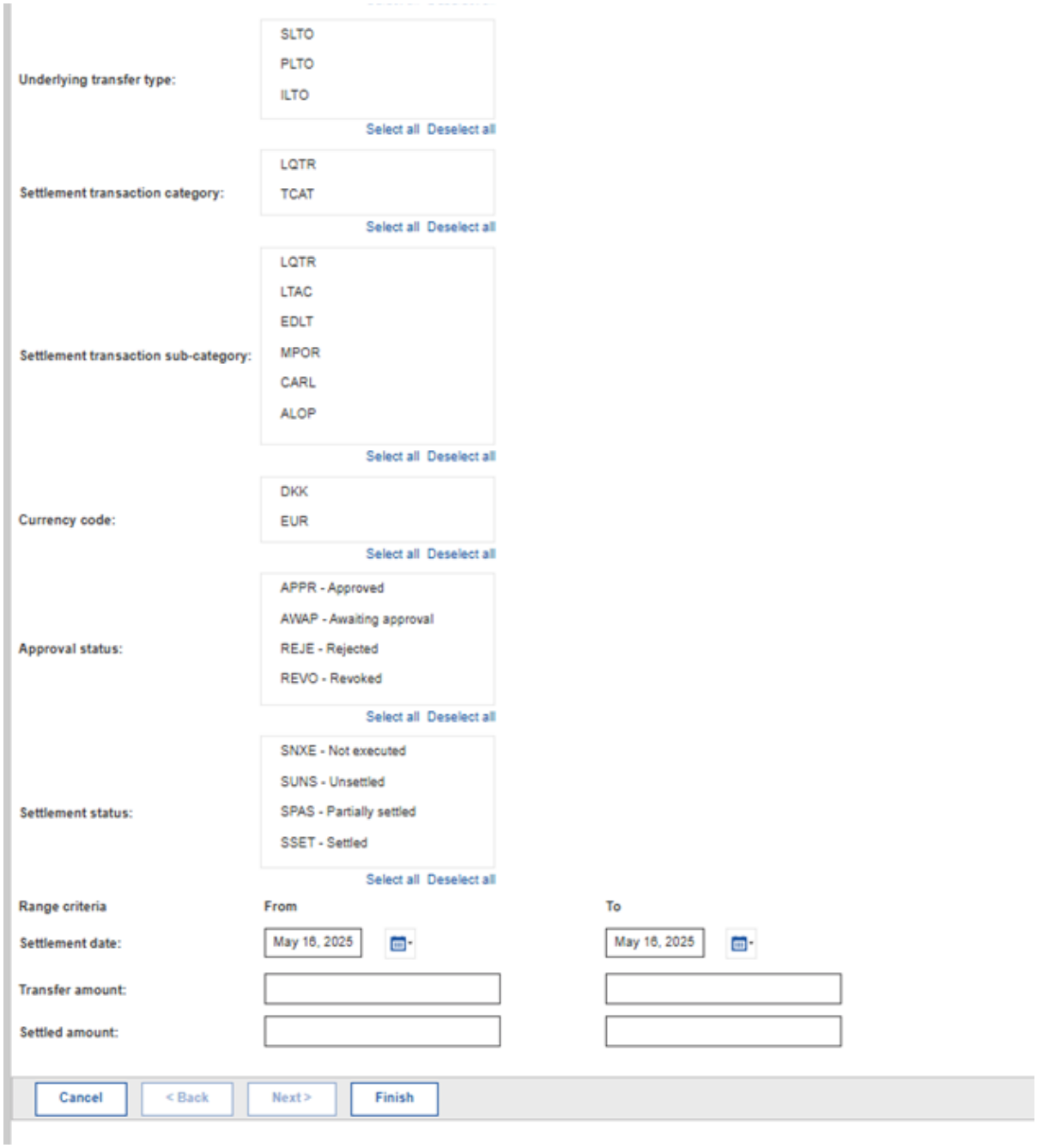



**Figure 438: INX09 prompt screen**

## Field Description

| INX09 – Multi-criteria search of a set of liquidity transfers – Prompt Screen | |
|---|---|
| Cash party BIC | Filter to select which cash party BIC value/s should be included in the output. |
| Debited account number | Filter to select which T2S DCA number value/s should be included in the output. |
| Credited account number | Filter to select which T2S DCA number value/s should be included in the output. |
| Transfer type | Filter to select which transfer types should be included in the output.<br>Possible values:<br>- IBLT<br>- OTLT<br>- INLT |
| Underlying transfer type | Filter to select which underlying transfer types should be included in the output.<br>Possible values:<br>- SLTO<br>- PLTO<br>- ILTO |
| Settlement transaction category | Filter to select which settlement transaction categories should be included in the output.<br>Possible values:<br>- LQTR<br>- TCAT |
| Settlement transaction sub-category | Filter to select which settlement transaction sub-categories should be included in the output.<br>Possible values:<br>- LQTR<br>- LTAC<br>- EDLT<br>- MPOR<br>- CARL<br>- ALOP |
| Currency code | The report output contains only settlement instructions with the selected settlement currency codes. |
| Approval status | Filter to select which approval status value/s should be included in the output.<br>Possible values: |

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| | |
|---|---|
| | ▪ APPR (Approved)<br>▪ AWAP (Awaiting approval)<br>▪ REJE (Rejected)<br>▪ REVO (Revoked) |
| Settlement status | Filter to select which settlement status value/s should be included in the output.<br>Possible values:<br>▪ SNXE<br>▪ SUNS<br>▪ SPAS<br>▪ SSET |
| Settlement date from | Filter to select the inclusive date from which settlement date value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ settlement date to |
| Settlement date to | Filter to select the inclusive date up to which settlement date value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ settlement date from |
| Transfer amount from | Filter to select the inclusive amount from which transfer amount value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ Transfer amount to<br>▪ Currency code |
| Transfer amount to | Filter to select the inclusive amount up to which transfer amount value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ Transfer amount from<br>▪ Currency code |
| Settled amount from | Filter to select the inclusive amount from which actual amount value/s should be included in the output.<br>Must be used in conjunction with:<br>▪ Settled amount to<br>▪ Currency code |
| Settled amount to | Filter to select the inclusive amount up to which actual amount value/s should be included in the output. |

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| | |
|---|---|
| | Must be used in conjunction with:<br>- Settled amount from<br>- Currency code |

## Screenshot

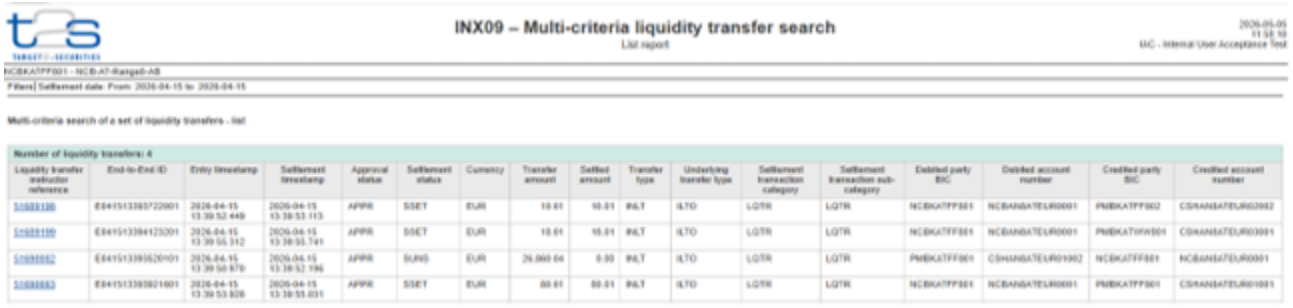



**Figure 439: INX09 list screen** {CR-874}

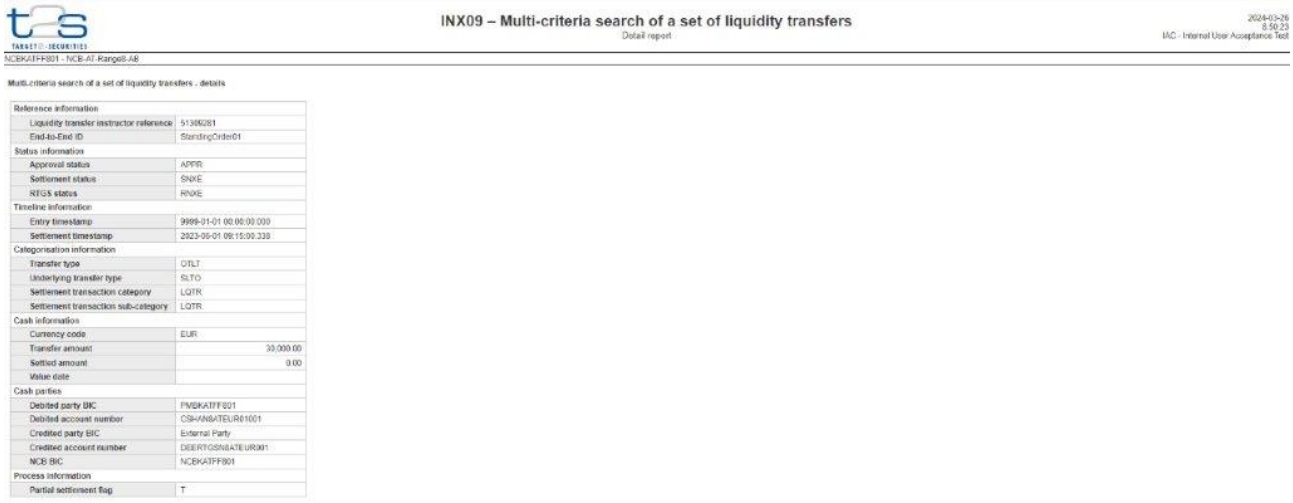
## Field Description

| INX09 – Multi-criteria search of a set of liquidity transfers – List Screen | |
|---|---|
| Number of liquidity transfers | Count of the number of settlement instructions resulting from the filter screen. |
| **(For each liquidity transfer matching the selection criteria, one line will be displayed)** | |
| Liquidity transfer instructor reference | Shows the instructor reference of the liquidity transfer. |
| End-to-End ID | Shows the End-to-End ID provided by the originator of the liquidity transfer order. |
| Entry timestamp | Shows the date and the time the liquidity transfer entered or was generated in T2S.<br>Displayed format: YYYY-MM-DD hh:mm:ss,sssss |
| Settlement timestamp | Shows the date and the time of the attempted settlement in T2S.<br>Displayed format: YYYY-MM-DD hh:mm:ss,sssss |
| Approval status | Shows approval status of the liquidity transfer.<br>Possible values:<br>- APPR (Approved)<br>- AWAP (Awaiting approval)<br>- REJE (Rejected)<br>- REVO (Revoked) |
| Settlement status | Shows the settlement status of the liquidity transfer.<br>Possible values:<br>- SNXE (Not executed)<br>- SUNS (=Unsettled)<br>- SPAS (=Partially settled)<br>- SSET (=Settled) |
| Currency code | Shows the settlement currency of the liquidity transfer. |
| Transfer amount | Shows the amount to be credited or debited by the liquidity transfer. |
| Settled amount | Shows the amount actually settled by the liquidity transfer. |
| Transfer type | Shows the direction of the transferred liquidity.<br>Possible values:<br>- IBLT (inbound liquidity transfer)<br>- OTLT (outbound liquidity transfer)<br>- INLT (internal liquidity transfer order) |

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| | |
|---|---|
| Underlying transfer type | Shows the type of the transferred liquidity.<br>Possible values:<br>- SLTO (standing liquidity transfer order)<br>- PLTO (predefined liquidity transfer order)<br>- ILTO (immediate liquidity transfer order) |
| Settlement transaction category | Shows the settlement transaction category of the liquidity transfer.<br>Possible values:<br>- LQTR (liquidity transfer)<br>- TCAT (technical cash transfer) |
| Settlement transaction sub-category | Shows the settlement transaction sub-category of the liquidity transfer.<br>Possible values:<br>- LQTR (liquidity transfer)<br>- LTAC (Liquidity transfer all cash)<br>- EDLT (EoD liquidity transfer)<br>- MPOR (monetary policy operation cash rebalancing)<br>- CARL (corporate action cash rebalancing)<br>- ALOP (auto-collateralisation liquidity optimization) |
| Debited party BIC | Shows the BIC of the payment bank which owns the debited account. |
| Debited account number | Shows the account number from which the liquidity is sent. |
| Credited party BIC | Shows the BIC of the payment bank which owns the credited account. |
| Credited account number | Shows the account identification or number to where the liquidity is sent. |

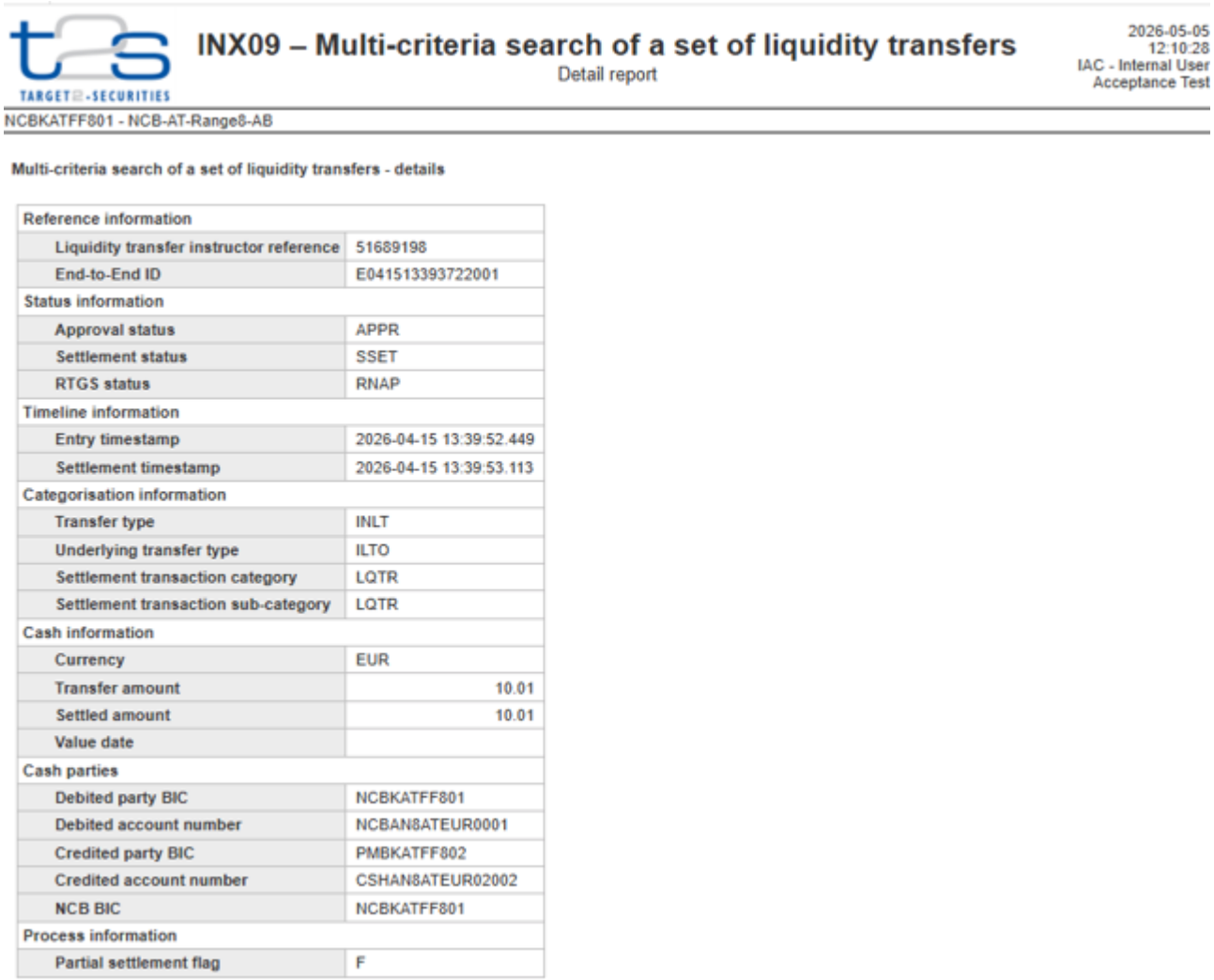
## Screenshot



INX09 – Multi-criteria search of a set of liquidity transfers

Detail report

| | |
|---|---|
| Reference information | |
| Liquidity transfer instructor reference | 51380281 |
| End-to-End ID | StandingOrder01 |
| Status information | |
| Approval status | APPR |
| Settlement status | SNXE |
| RTGS status | RNXE |
| Timeline information | |
| Entry timestamp | 9999-01-01 00:00:00.000 |
| Settlement timestamp | 2023-05-01 09:15:00.338 |
| Categorisation information | |
| Transfer type | OTLT |
| Underlying transfer type | SLTO |
| Settlement transaction category | LQTR |
| Settlement transaction sub-category | LQTR |
| Cash information | |
| Currency code | EUR |
| Transfer amount | 30,000.00 |
| Settled amount | 0.00 |
| Value date | |
| Cash parties | |
| Debited party BIC | PMDKATFF801 |
| Debited account number | CSH-ANSATEUR01001 |
| Credited party BIC | External Party |
| Credited account number | DEERTGSNBATEUR001 |
| NCB BIC | NCBKATFF801 |
| Process information | |
| Partial settlement flag | T |



INX09 – Multi-criteria search of a set of liquidity transfers
Detail report

2026-05-05
12:10:28
IAC - Internal User
Acceptance Test

NCBKATFF801 - NCB-AT-Range8-AB

Multi-criteria search of a set of liquidity transfers - details

| | |
|---|---|
| Reference information | |
| Liquidity transfer instructor reference | 51689198 |
| End-to-End ID | E041513393722001 |
| Status information | |
| Approval status | APPR |
| Settlement status | SSET |
| RTGS status | RNAP |
| Timeline information | |
| Entry timestamp | 2026-04-15 13:39:52.449 |
| Settlement timestamp | 2026-04-15 13:39:53.113 |
| Categorisation information | |
| Transfer type | INLT |
| Underlying transfer type | ILTO |
| Settlement transaction category | LQTR |
| Settlement transaction sub-category | LQTR |
| Cash information | |
| Currency | EUR |
| Transfer amount | 10.01 |
| Settled amount | 10.01 |
| Value date | |
| Cash parties | |
| Debited party BIC | NCBKATFF801 |
| Debited account number | NCBAN8ATEUR0001 |
| Credited party BIC | PMBKATFF802 |
| Credited account number | CSHAN8ATEUR02002 |
| NCB BIC | NCBKATFF801 |
| Process information | |
| Partial settlement flag | F |

**Figure 440: INX09 list screen {CR-874}**

## Field Description

| INX09 – Multi-criteria search of a set of liquidity transfers – Details Screen | |
|---|---|
| **Reference information** | |
| Liquidity transfer instructor reference | Shows the instructor reference of the liquidity transfer. |
| End-to-End-ID | Shows the reference of a settlement instruction to which the liquidity transfer is linked. |
| **Status information** | |
| Approval status | Shows approval status of the liquidity transfer.<br>Possible values:<br>- APPR (Approved)<br>- AWAP (Awaiting approval)<br>- REJE (Rejected)<br>- REVO (Revoked) |
| Settlement status | Shows the settlement status of the liquidity transfer.<br>Possible values:<br>- SNXE (Not executed)<br>- SUNS (=Unsettled)<br>- SPAS (=Partially settled)<br>- SSET (=Settled) |
| RTGS status | Shows the RTGS status of the liquidity transfer.<br>Possible values:<br>- RNXE (Not executed)<br>- RNAP (Not applicable)<br>- RREJ (RTGS rejection)<br>- RCON (RTGS confirmation)<br>- RBOK (RTGS rebooking) |
| **Timeline information** | |
| Entry timestamp | Shows the date and the time the liquidity transfer entered or was generated in T2S.<br>Displayed format: YYYY-MM-DD hh:mm:ss,sssss |
| Settlement timestamp | Shows the date and the time of the attempted settlement in T2S.<br>Displayed format: YYYY-MM-DD hh:mm:ss,sssss |
| **~~Securities~~ Categorisation information{CR-874}** | |

| | |
|---|---|
| Transfer type | Shows the direction of the transferred liquidity.<br>Possible values:<br>- IBLT (inbound liquidity transfer)<br>- OTLT (outbound liquidity transfer)<br>- INLT (internal liquidity transfer order) |
| Underlying transfer type | Shows the type of the transferred liquidity.<br>Possible values:<br>- SLTO (standing liquidity transfer order)<br>- PLTO (predefined liquidity transfer order)<br>- ILTO (immediate liquidity transfer order) |
| Settlement transaction category | Shows the settlement transaction category of the liquidity transfer.<br>Possible values:<br>- LQTR (liquidity transfer)<br>- TCAT (technical cash transfer) |
| Settlement transaction sub-category | Shows the settlement transaction sub-category of the liquidity transfer.<br>Possible values:<br>- LQTR (liquidity transfer)<br>- LTAC (Liquidity transfer all cash)<br>- EDLT (EoD liquidity transfer)<br>- MPOR (monetary policy operation cash rebalancing)<br>- CARL (corporate action cash rebalancing)<br>- ALOP (auto-collateralisation liquidity optimization) |
| **Cash information** | |
| Currency ~~code~~**{CR-874}** | Shows the settlement currency of the liquidity transfer. |
| Transfer amount | Shows the amount to be credited or debited by the liquidity transfer. |
| Settled amount | Shows the amount actually settled by the liquidity transfer. |
| Value date | Shows the date at which the liquidity transfer becomes effective.<br>Displayed format is: YYYY-MM-DD |
| **Cash parties** | |
| ~~Debited account number~~ Debited party BIC | ~~Shows the account number from which the liquidity is sent.~~Shows the BIC of the payment bank which owns the debited account. |

| | |
|---|---|
| ~~Debited party BIC~~ Debited account number | ~~Shows the BIC of the payment bank which owns the debited account.~~ Shows the account number from which the liquidity is sent. |
| ~~Credited account number~~ Credited party BIC | ~~Shows the account identification or number to where the liquidity is sent.~~Shows the BIC of the payment bank which owns the credited account. |
| ~~Credited party BIC~~ Credited account number | ~~Shows the BIC of the payment bank which owns the credited account.~~ Shows the account identification or number to where the liquidity is sent. **{CR-874}** |
| NCB BIC | BIC of the NCB |
| **Process information** | |
| Partial settlement flag | Shows if partial execution was possible or not.<br>Possible values:<br>- F (false – partial not allowed)<br>- T (true – partial settlement allowed) |

# 6.4 T2S Restrictions (RES)

## 6.4.1 RES01 - Detailed cash restrictions

**Context of Usage**

This report shows volumes and values for all finalised cash restrictions at CB, PB or T2S DCA level, during a selected period of time. The restrictions are filtered according the currency that the user selects.

The report delivers the volume and value of cash restrictions finalised during the selected period whether settled or partially settled. The results are displayed aggregated per transaction sub-category, within origin, restriction type and function. Totals are presented at origin level, but also cross-totalled by function.

This report can be used by CB users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> RES - T2S Restrictions >> RES01

**Screenshot**

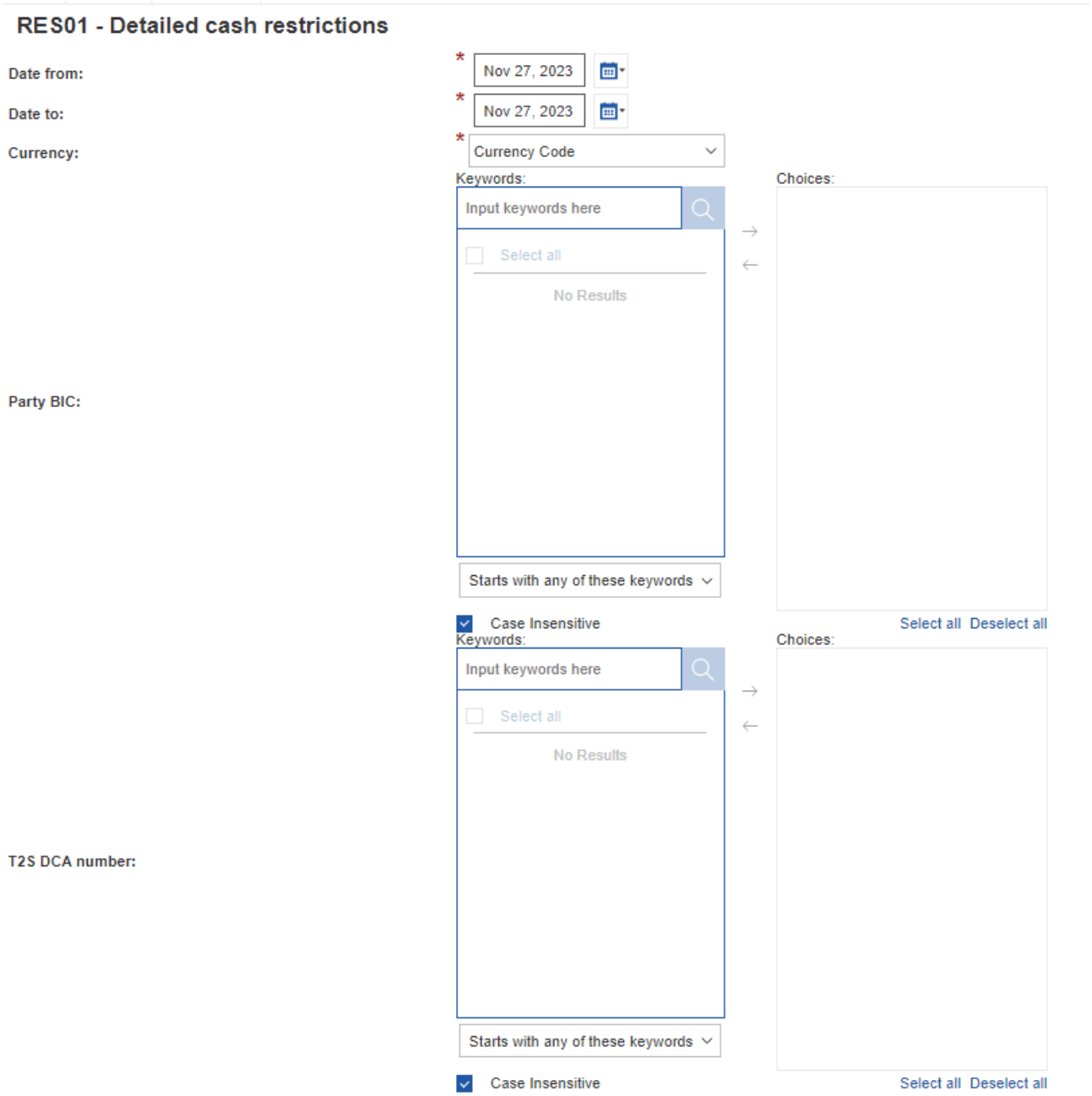
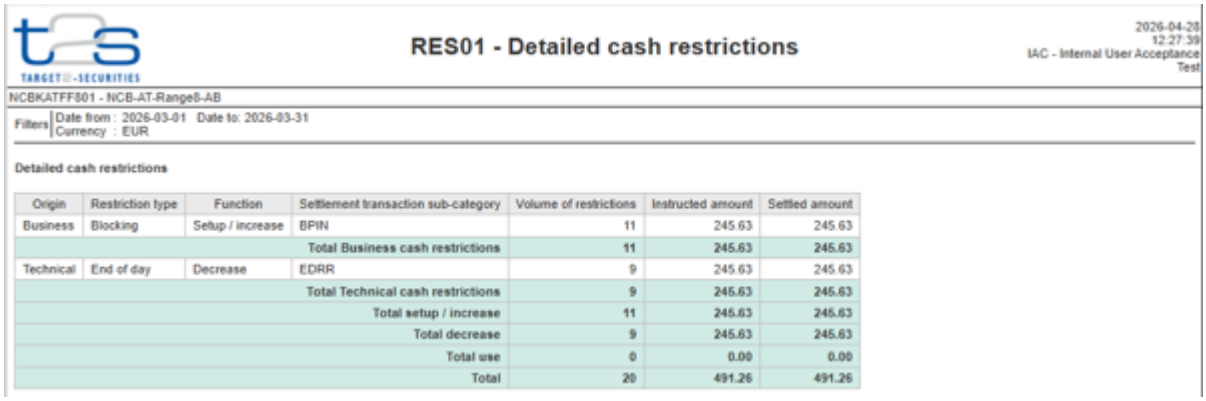



**Figure 441: RES01 prompt screen**

## Field Description

| RES01 – Detailed cash restrictions – Prompt Screen | |
|---|---|
| Date From | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date To | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| T2S DCA number | You can use this drop-down field to select one or several T2S DCA numbers. This field will show all related T2S DCAs, which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all T2S DCA numbers belonging to the default data scope of the user's party.<br>This field is optional. |

## Screenshot



RES01 - Detailed cash restrictions

2026-04-28 12:27:39
IAC - Internal User Acceptance Test

NCBKATFF801 - NCB-AT-Range8-AB

Filters | Date from : 2026-03-01 Date to: 2026-03-31
Currency : EUR

Detailed cash restrictions

| Origin | Restriction type | Function | Settlement transaction sub-category | Volume of restrictions | Instructed amount | Settled amount |
|---|---|---|---|---|---|---|
| Business | Blocking | Setup / increase | BPIN | 11 | 245.63 | 245.63 |
| | | | Total Business cash restrictions | 11 | 245.63 | 245.63 |
| Technical | End of day | Decrease | EDRR | 9 | 245.63 | 245.63 |
| | | | Total Technical cash restrictions | 9 | 245.63 | 245.63 |
| | | | Total setup / increase | 11 | 245.63 | 245.63 |
| | | | Total decrease | 9 | 245.63 | 245.63 |
| | | | Total use | 0 | 0.00 | 0.00 |
| | | | Total | 20 | 491.26 | 491.26 |

Figure 442: RES01 output screen {CR-874}

## Field Description

| RES01 – Detailed cash restrictions – Output Screen | |
|---|---|
| Origin | Describes a group of transaction sub-categories. Groups are:<br>- Business<br>- Technical<br>- Usage |
| Restriction type | Describes a restriction type within an origin. Restriction types are:<br>- Business<br>- Blocking<br>- Reservation<br>- Technical<br>- COSD blocking<br>- End of day<br>- Usage<br>- Use |
| Function | Describes a function within a restriction type. Functions are:<br>- Setup / increase<br>- Decrease<br>- Use (for Use restriction type only) |
| Settlement Ttransaction sub-category | The transaction sub-category of the restrictions for which the aggregations are performed. Values used, as per their origin and restriction type:<br>- Business<br>- Blocking<br>- BPIN, BPSU, BPDE<br>- Reservation<br>- RPIN, RPSU, RPDE<br>- Technical<br>- COSD blocking<br>- COBR, COBS, COCP<br>- End of day<br>- CORU, EDRR, RERV<br>- Usage<br>- Use<br>- CORT, RESU |
| Volume of restrictions | Count of the number of cash restrictions found per sub-category. |
| Instructed ~~value~~amount | Sum over instructed values of the cash restrictions per sub-category |

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| | |
|---|---|
| Settled ~~value~~amount | Sum over settled values (totally or partially settled) per and sub-category |
| ~~Revoked~~ | ~~A count of all finalised inbound LTs which were revoked after settlement, per transaction category / transaction sub-category / underlying transaction type.~~ |
| ~~Value of transfers~~ | ~~Sum of the original instructed transfer amounts of all finalised inbound LTs, per transaction category / transaction sub-category / underlying transaction type.~~ |
| ~~Value actually transferred~~ | ~~Sum of the actual settled amounts of all finalised inbound LTs, per transaction category / transaction sub-category / underlying transaction type.~~ |
| Totals (per origin) | |
| Total business cash restrictions | Sums for 'Volume of restrictions', 'Instructed ~~value~~amount' and 'Settled ~~value~~amount' columns, within the origin 'Business'. |
| Total technical cash restrictions | Sums for 'Volume of restrictions', 'Instructed ~~value~~amount' and 'Settled ~~value~~amount' columns, within the origin 'Technical'. |
| ~~Total usage cash restrictions~~ | ~~Sums for 'Volume of restrictions', 'Instructed value' and 'Settled value' columns, within the origin 'Usage'.~~ |
| Totals (per function) | |
| Total setup / increase | Sums for 'Volume of restrictions', 'Instructed ~~value~~amount' and 'Settled ~~value~~amount' columns, to include all lines with the function 'Setup / increase'. |
| Total decrease | Sums for 'Volume of restrictions', 'Instructed ~~value~~amount' and 'Settled ~~value~~amount' columns, to include all lines with the function 'Decrease'. |
| Total use | Sums for 'Volume of restrictions', 'Instructed ~~value~~amount' and 'Settled ~~value~~amount' columns, to include all lines with the function 'Use'. **{CR-874}** |
| Total (overall) | |
| Total | Sums for 'Volume of restrictions', 'Instructed value' and 'Settled value' columns, over all 'Totals (per function)'. |

### 6.4.2 RES02 - Detailed securities restrictions

**Context of Usage**

This report shows volumes and quantities for all finalised securities restrictions at CSD, CSDP, ECSD or securities account level, during a selected period of time. The restrictions are filtered according the settlement types of the securities that the user selects.

The report delivers the volume of securities restrictions finalised during the selected period whether settled or partially settled. The results are displayed aggregated per transaction sub-category, within origin, restriction type and function. Totals are presented at origin level, but also cross-totalled by function.

This report can be used by CSD users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> RES - T2S Restrictions >> RES02

**Screenshot**

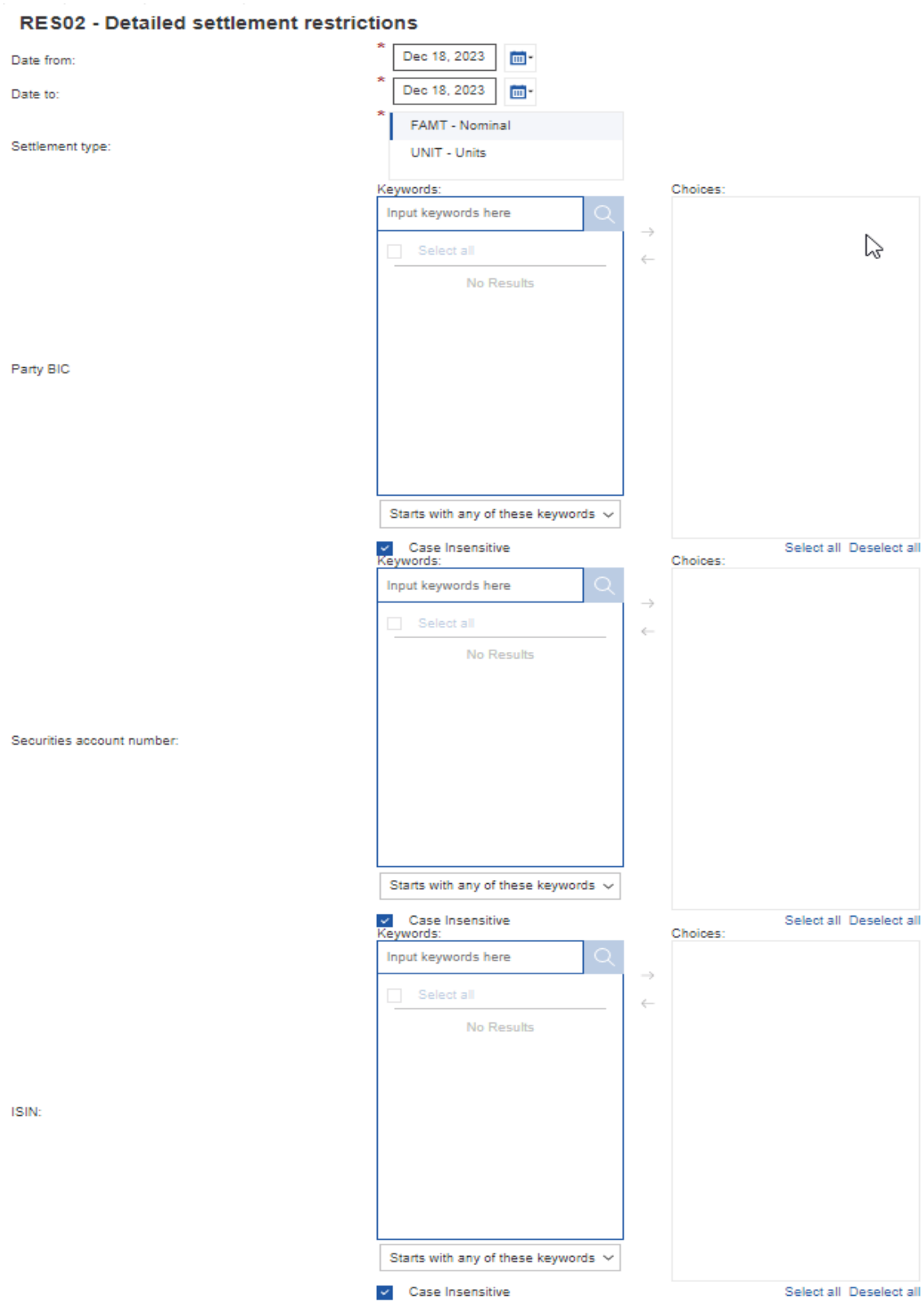
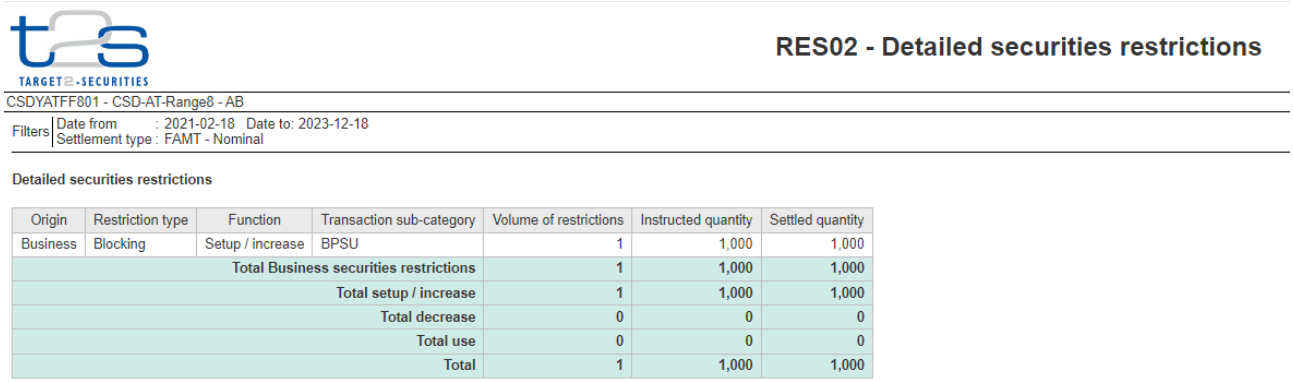



**Figure 443: RES02 prompt screen**

## Field Description

| RES02 – Detailed securities restrictions – Prompt Screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Settlement type | This selection specifies the quantity type of the settlement for the security, stated in the restriction transaction.<br>Possible values:<br>- FAMT- Nominal<br>- UNIT- Units<br>This field is mandatory |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| Securities account number | You can use this drop-down field to select one or several securities account numbers. This field will show all related securities accounts which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all securities account numbers belonging to the default data scope of the user's party.<br>This field is optional. |
| ISIN | The report output contains only settlement instructions with the selected securities.<br>This field is optional. |

**Screenshot**



RES02 - Detailed securities restrictions

CSDYATFF801 - CSD-AT-Range8 - AB

Filters | Date from : 2021-02-18 Date to: 2023-12-18
Settlement type : FAMT - Nominal

Detailed securities restrictions

| Origin | Restriction type | Function | Transaction sub-category | Volume of restrictions | Instructed quantity | Settled quantity |
|---|---|---|---|---|---|---|
| Business | Blocking | Setup / increase | BPSU | 1 | 1,000 | 1,000 |
| **Total Business securities restrictions** | | | | **1** | **1,000** | **1,000** |
| **Total setup / increase** | | | | **1** | **1,000** | **1,000** |
| **Total decrease** | | | | **0** | **0** | **0** |
| **Total use** | | | | **0** | **0** | **0** |
| **Total** | | | | **1** | **1,000** | **1,000** |

**Figure 444: RES02 output screen**

## Field Description

| RES02 – Detailed securities restrictions – Output Screen | |
|---|---|
| Origin | Describes a group of transaction sub-categories. Groups are:<br>- Business<br>- Technical<br>- Usage |
| Restriction type | Describes a restriction type within an origin. Restriction types are:<br>- Business<br>- Blocking<br>- Earmarking<br>- Reservation<br>- Technical<br>- Collateralisation (COLA)<br>- COSD blocking<br>- End of day<br>- Reverse Collateralisation (RCOL)<br>- Usage<br>- Use |
| Function | Describes a function within a restriction type. Functions are:<br>- Decrease<br>- Setup / increase<br>- Use (for Use restriction type only) |
| Transaction sub-category | The transaction sub-category of the restrictions for which the aggregations are performed. Values used, as per their origin and restriction type:<br>- Business<br>- Blocking<br>- BPDE, BPIN, BPSU<br>- Earmarking<br>- EPDE, EPIS<br>- Reservation<br>- RPDE, RPIN, RPSU<br>- Technical<br>- Collateralisation (COLA)<br>- SPLE (COLA)<br>- COSD blocking<br>- COBS, COCP<br>- End of day<br>- CORU |

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| | |
|---|---|
| | ▪ Reverse Collateralisation (RCOL)<br>▪ SPLE(RCOL)<br>▪ Usage<br>▪ Use<br>▪ CORT, RESU |
| Volume of restrictions | Count of the number of securities restrictions found per sub-category. |
| Instructed quantity | Sum over instructed quantities of the securities restrictions per sub-category |
| Settled quantity | Sum over settled quantities (totally or partially settled) per and sub-category |
| **Totals (per origin)** | |
| Total business securities restrictions | Sums for ‘Volume of restrictions’, ‘Instructed quantity’ and ‘Settled quantity’ columns, within the origin ‘Business’. |
| Total technical securities restrictions | Sums for ‘Volume of restrictions’, ‘Instructed quantity’ and ‘Settled quantity’ columns, within the origin ‘Technical’. |
| Total usage securities restrictions | Sums for ‘Volume of restrictions’, ‘Instructed quantity’ and ‘Settled quantity’ columns, within the origin ‘Usage’. |
| **Totals (per function)** | |
| Total setup / increase | Sums for ‘Volume of restrictions’, ‘Instructed quantity’ and ‘Settled quantity’ columns, to include all lines with the function ‘Setup / increase’. |
| Total decrease | Sums for ‘Volume of restrictions’, ‘Instructed quantity’ and ‘Settled quantity’ columns, to include all lines with the function ‘Decrease’. |
| Total use | Sums for ‘Volume of restrictions’, ‘Instructed quantity’ and ‘Settled quantity’ columns, to include all lines with the function ‘Use’. |
| **Total (overall)** | |
| Total | Sums for ‘Volume of restrictions’, ‘Instructed quantity’ and ‘Settled quantity’ columns, over all ‘Totals (per function)’. |

## 6.5 T2S Credit line (CMB)

### 6.5.1 CMB01 - Journaling of limit utilisations of primary CMB

**Context of Usage**

This report shows primary CMB limit utilisation journal activity at CB, T2S CB-DCA or primary CMB level during a selected period of time. The accounts are filtered according the currency that the user selects. Primary CMBs are those set by a CB for a payment bank.

The journal activity is displayed as a table of volumes and utilisation values according to the credit/debit indicator.

This report can be used by CB users.

## Report Access

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> CMB - T2S Credit line >> CMB01

## Screenshot

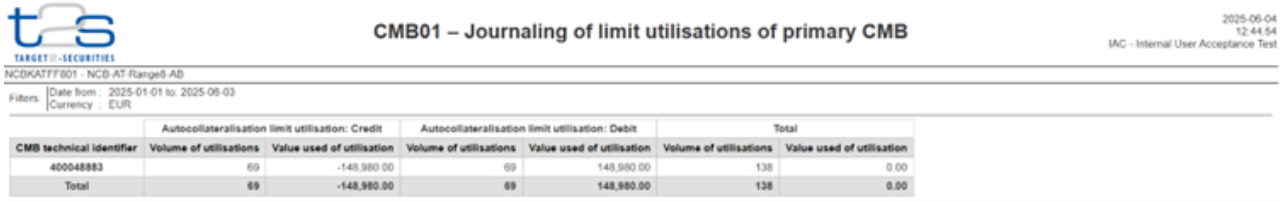



**Figure 445: CMB01 prompt screen**

## Field Description

| CMB01 – Journaling of limit utilisations of primary CMB – Prompt Screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | You can use this drop-down field to select the currency.<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| T2S DCA number | You can use this drop-down field to select one or several T2S DCA numbers. This field will show all related T2S DCAs, which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all T2S DCA numbers belonging to the default data scope of the user's party.<br>This field is optional. |

## Screenshot


CMB01 – Journaling of limit utilisations of primary CMB

2025-06-04
12:44:54
IAC - Internal User Acceptance Test

NCBKATFF001 - NCB-AT-Range8-AB

Filters: Date from : 2025-01-01 to: 2025-06-03
Currency : EUR

| | Autocollateralisation limit utilisation: Credit | | Autocollateralisation limit utilisation: Debit | | Total | |
|---|---|---|---|---|---|---|
| CMB technical identifier | Volume of utilisations | Value used of utilisation | Volume of utilisations | Value used of utilisation | Volume of utilisations | Value used of utilisation |
| 400048883 | 69 | -148,980.00 | 69 | 148,980.00 | 138 | 0.00 |
| Total | 69 | -148,980.00 | 69 | 148,980.00 | 138 | 0.00 |

**Figure 446: CMB01 output screen**

## Field Description

| CMB01 – Journaling of limit utilisations of primary CMB – Output Screen | |
|---|---|
| The following information is repeated for every CMB matching the selection criteria | |
| CMB technical identifier | The T2S internal identifier of a CMB |
| **Autocollateralisation limit utilisation : Credit** | |
| Volume of utilisations | Count of the number of credit side utilisations found per CMB technical identifier |
| Value used of utilisation | Sum over utilised values of credit side utilisations found per CMB technical identifier |
| **Autocollateralisation limit utilisation : Debit** | |
| Volume of utilisations | Count of the number of debit side utilisations found per CMB technical identifier |
| Value used of utilisation | Sum over utilised values of debit side utilisations found per CMB technical identifier |
| **Total (per CMB technical identifier)** | |
| Volume of utilisations | Sum of 'Volume of utilisations' over credit and debit per CMB technical identifier |
| Value used of utilisation | Sum of 'Value used of utilisations' over credit and debit per CMB technical identifier |
| **Total (overall)** | |
| Total | Sums of all volumes and values for each column, over all CMB technical identifiers. |

# 6.6 T2S Collateral instructions (COL)

## 6.6.1 COL01 - Follow-up by time slot of settled collateralisation instructions

**Context of Usage**

This report shows the finalised settled collateralisation instructions at CSD, CSDP, external CSD or securities account level, during a selected period of time. The volume and value of the collateralisation instructions are shown for each time slot of the business day with a total per transaction category (Collateral, Reverse collateral, Relocation) and transaction sub-category (Repo, Pledge, Sub-pledge).

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This report can be used by CSD users.

## Report Access

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> COL - T2S Collateral instructions >> COL01

## Screenshot

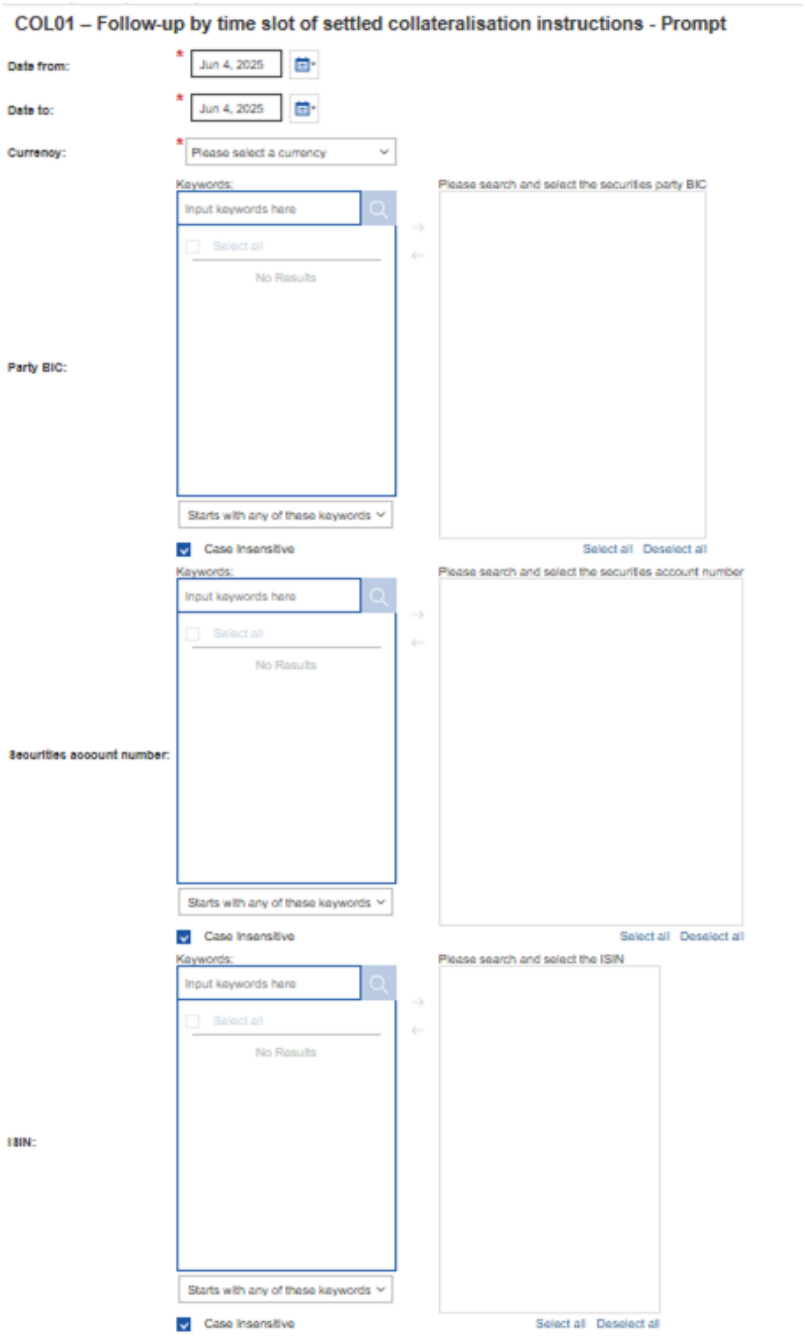
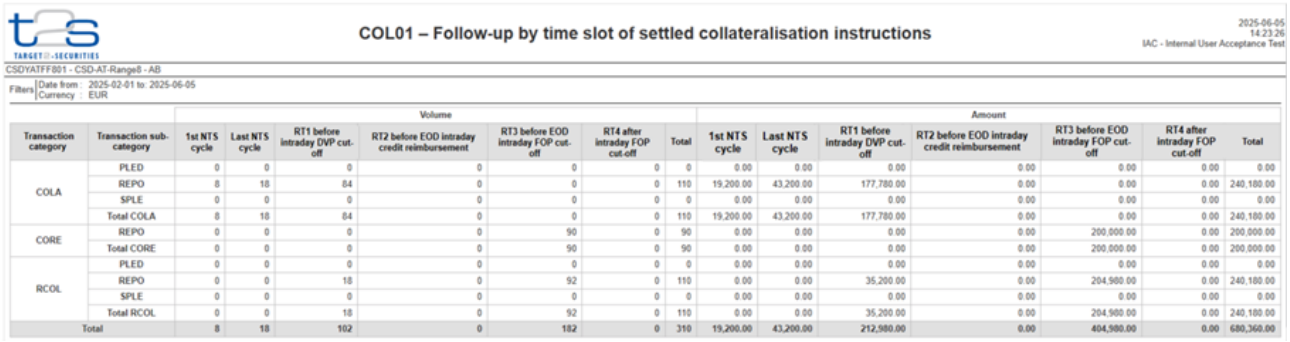



**Figure 447: COL01 prompt screen**

## Field Description

| COL01 – Follow-up by time slot of settled collateralisation instructions – Prompt Screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Currency | Currency in which the amount of the collateral instructions must be denominated.<br>This field is mandatory |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| Securities account number | You can use this drop-down field to select one or several securities account numbers. This field will show all related securities accounts which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all securities account numbers belonging to the default data scope of the user's party.<br>This field is optional. |
| ISIN | The report output contains only settlement instructions with the selected securities.<br>This field is optional. |

## Screenshot



COL01 – Follow-up by time slot of settled collateralisation instructions

2025-06-05 14:23:26
IAC - Internal User Acceptance Test

CSDYATFF801 - CSD-AT-Range8 - AB

Filters | Date from : 2025-02-01 to: 2025-06-05 | Currency : EUR

| | | Volume | | | | | | | Amount | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Transaction category | Transaction sub-category | 1st NTS cycle | Last NTS cycle | RT1 before intraday DVP cut-off | RT2 before EOD intraday credit reimbursement | RT3 before EOD intraday FOP cut-off | RT4 after intraday FOP cut-off | Total | 1st NTS cycle | Last NTS cycle | RT1 before intraday DVP cut-off | RT2 before EOD intraday credit reimbursement | RT3 before EOD intraday FOP cut-off | RT4 after intraday FOP cut-off | Total |
| COLA | PLED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | REPO | 8 | 18 | 84 | 0 | 0 | 0 | 110 | 19,200.00 | 43,200.00 | 177,780.00 | 0.00 | 0.00 | 0.00 | 240,180.00 |
| | SPLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total COLA | 8 | 18 | 84 | 0 | 0 | 0 | 110 | 19,200.00 | 43,200.00 | 177,780.00 | 0.00 | 0.00 | 0.00 | 240,180.00 |
| CORE | REPO | 0 | 0 | 0 | 0 | 90 | 0 | 90 | 0.00 | 0.00 | 0.00 | 0.00 | 200,000.00 | 0.00 | 200,000.00 |
| | Total CORE | 0 | 0 | 0 | 0 | 90 | 0 | 90 | 0.00 | 0.00 | 0.00 | 0.00 | 200,000.00 | 0.00 | 200,000.00 |
| RCOL | PLED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | REPO | 0 | 0 | 18 | 0 | 92 | 0 | 110 | 0.00 | 0.00 | 35,200.00 | 0.00 | 204,980.00 | 0.00 | 240,180.00 |
| | SPLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Total RCOL | 0 | 0 | 18 | 0 | 92 | 0 | 110 | 0.00 | 0.00 | 35,200.00 | 0.00 | 204,980.00 | 0.00 | 240,180.00 |
| Total | | 8 | 18 | 102 | 0 | 182 | 0 | 310 | 19,200.00 | 43,200.00 | 212,980.00 | 0.00 | 404,980.00 | 0.00 | 680,360.00 |

**Figure 448: COL01 output screen**

## Field Description

| COL01 – Follow-up by time slot of settled collateralisation instructions – Output Screen | |
|---|---|
| Transaction category | Shows the transaction category for which the collateralisation instructions are displayed from the possible values:<br>- COLA (Collateral)<br>- RCOL(Reverse collateral)<br>- CORE (Relocation) |
| Transaction sub-category | Shows the transaction sub-category for which the collateralisation instructions are displayed from the possible values:<br>- REPO (Repo)<br>- PLED (Pledge)<br>- SPLE (Sub-pledge)<br>For Transaction category “CORE” only the transaction sub-category “REPO” is available. |
| **Volume** | |
| Time slots (one column per time slot):<br>- 1st NTS cycle<br>- Last NTS cycle<br>- RT1 before intraday DVP cut-off<br>- RT2 before EOD intraday credit reimbursement<br>- RT3 before EOD intraday FOP cut-off<br>- RT4 after intraday FOP cut-off | The aggregated number of finalised settled collateralisation instructions are displayed for each of the time slots within transaction category and sub-category combination. |
| Volume (Total) | Sum of ‘Volume’ information over all time-slots within transaction sub-category. |
| **Amount** | |
| Time slots (one column per time slot):<br>- 1st NTS cycle<br>- Last NTS cycle<br>- RT1 before intraday DVP cut-off<br>- RT2 before EOD intraday credit reimbursement<br>- RT3 before EOD intraday FOP cut-off<br>- RT4 after intraday FOP cut-off | The aggregated amount of finalised settled collateralisation instructions are displayed for each of the above time slots within transaction category and sub-category combination. |
| Amount (Total) | Sum of ‘Amount’ information over all time-slots within transaction sub-category. |

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| Total | |
|---|---|
| Total (per transaction category) | Sums of each ‘Volume’ and ‘Amount’ column over all transaction sub-categories within transaction category. |
| Total (overall) | Sums of each ‘Volume’ and ‘Amount’ column over all transaction categories. |

# 6.7 Technical instructions (RAL)

## 6.7.1 RAL01 - Detailed realignment and other technical instructions

**Context of Usage**

This report shows detailed information on volume and quantities for all realignment and other technical settlement instructions (SIs) at CSD, CSDP/ECSD or securities account level, during a selected period of time. The settlement instructions are filtered according the settlement types of the securities that the user selects.

The volumes and quantities (original and the settled) are aggregated per ISIN per transaction type code, transaction category and transaction sub-category; and displayed by securities movement type and settlement status.

This report can be used by CSD users.

**Report Access**

This report can be reached in the following way:

- Content >> Team Content >> T2S >> Predefined Reports >> RAL - T2S Technical instructions >> RAL01

**Screenshot**

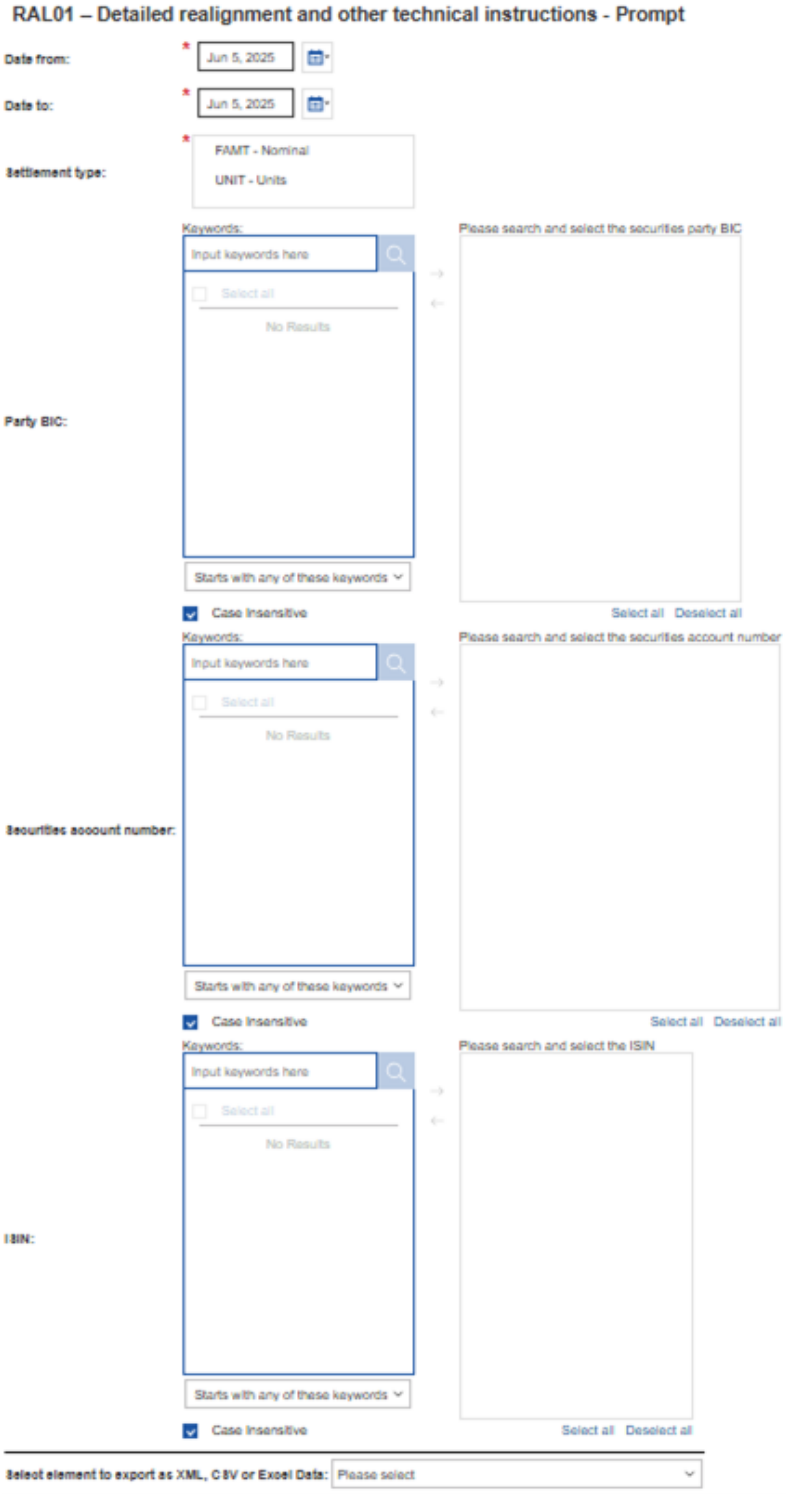



**Figure 449: RAL01 Prompt screen**

## Field Description

| RAL01 – Detailed realignment and other technical instructions – Prompt screen | |
|---|---|
| Date from | You can select the date by clicking on the calendar.<br>This field is mandatory. |
| Date to | You can select the end date of the period, for which the report should contain the data by clicking on the calendar.<br>For valid report results, the current day cannot be selected.<br>This field is mandatory. |
| Settlement type | This selection specifies the quantity type of the settlement for the security, stated in the instruction.<br>Possible values:<br>- FAMT - Nominal<br>- UNIT - Units<br>This field is mandatory. |
| Party BIC | You can use this drop-down field to select one or several party BIC. This field will show all related BICs, which belong to the default data scope of the user's party.<br>This field is optional. |
| Securities account number | You can use this drop-down field to select one or several securities account numbers. This field will show all related securities accounts which belong to default data scope of the user's party and which belong to the parties selected in field "Party BIC". If no Party BICs are selected, this field shows all securities account numbers belonging to the default data scope of the user's party.<br>This field is optional. |
| ISIN | The report output contains only settlement instructions with the selected securities.<br>This field is optional. |
| Select element to export as XML, CSV or Excel Data | You can choose the elements you want to download as either XML, CSV or Excel Data. For this report, you can choose between the following tabs:<br>- Detailed realignment and other technical instructions – volume<br>- Detailed realignment and other technical instructions - quantity<br>This field is optional. |

**Screenshot**

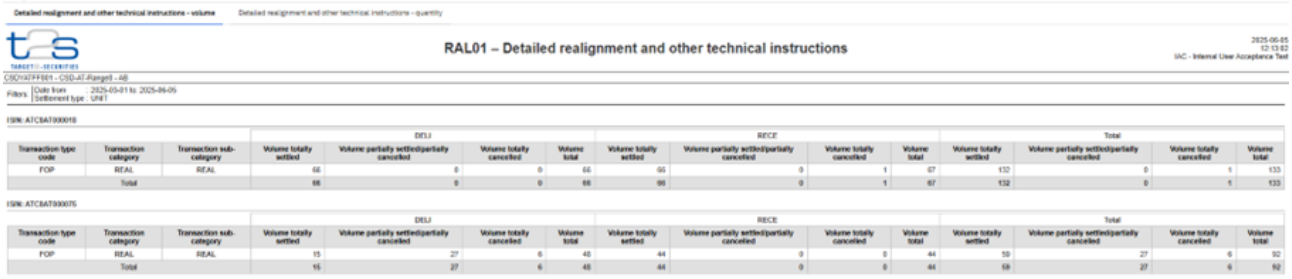



**Figure 450: RAL01 output screen, tab 1 - volume**

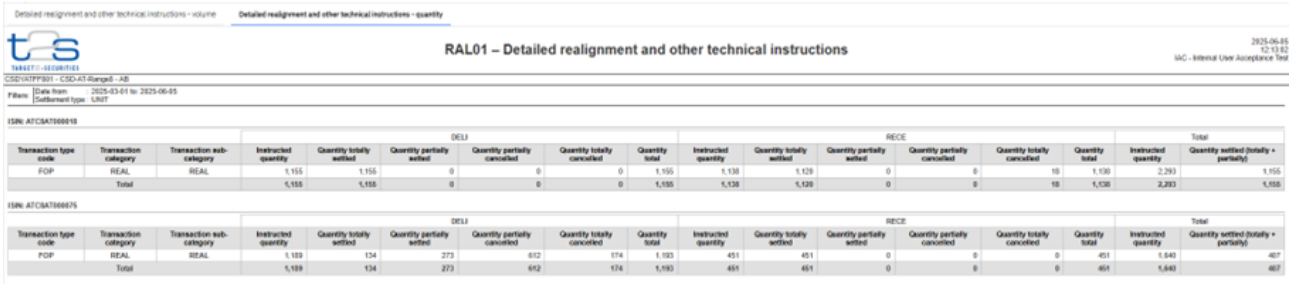



**Figure 451: RAL01 output screen, tab 2 - quantity**

## Field Description

| RAL01 – Detailed realignment and other technical instructions – OUTPUT SCREEN Tab 1 - volume | |
|---|---|
| Transaction type code | Shows the settlement transaction type code set during the selected period duration of time from the possible values:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- FOP (free of payment)<br>- PFOD (payment free of delivery) |
| Transaction category | Shows the category of the settlement transaction from the possible values:<br>- REAL (realignment)<br>- COTF (conditional technical FOP) |
| Transaction sub-category | Shows the subcategory of the settlement transaction from the possible values:<br>- REAL (realignment)<br>- PLED (pledge)<br>- REPO (repurchase order)<br>- COBS (CoSD blocking position setup)<br>- STND (standard) |
| **DELI** | |
| Volume totally settled | A count of the number of totally settled SIs with security movement type DELI, per transaction type / transaction category and sub-category. |
| Volume partially settled / partially cancelled | A count of the number of partially settled/partially cancelled SIs with security movement type DELI, per transaction type / transaction category and sub-category. |
| Volume totally cancelled | A count of the number of totally cancelled matched SIs with security movement type DELI, per transaction type / transaction category and sub-category. |
| Volume total | Sum of ‘Volume totally settled’, ‘Volume partially settled / partially cancelled’ and ‘Volume totally cancelled’ with security movement type DELI, per transaction type / transaction category and sub-category. |
| **RECE** | |
| Volume totally settled | A count of the number of totally settled SIs with security movement type RECE, per transaction type / transaction category and sub-category. |
| Volume partially settled / partially cancelled | A count of the number of partially settled/partially cancelled SIs with security movement type RECE, per transaction type / transaction category and sub-category. |

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| | |
|---|---|
| Volume totally cancelled | A count of the number of totally cancelled matched SIs with security movement type RECE, per transaction type / transaction category and sub-category. |
| Volume total | Sum of ‘Volume totally settled’, ‘Volume partially settled / partially cancelled’ and ‘Volume totally cancelled’ with security movement type RECE, per transaction type / transaction category and sub-category. |
| **Total** | |
| Volume totally settled | Sum of ‘Volume totally settled’ over all DELI and RECE security movement types, per transaction type / transaction category and sub-category. |
| Volume partially settled / partially cancelled | Sum of ‘Volume partially settled / partially cancelled’ over all DELI and RECE security movement types, per transaction type / transaction category and sub-category. |
| Volume totally cancelled | Sum of ‘Volume totally cancelled’ over all DELI and RECE security movement types, per transaction type / transaction category and sub-category. |
| Volume total | Sum of the ‘Total’ over all DELI and RECE security movement types, per transaction type / transaction category and sub-category. |

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| RAL01 – Detailed realignment and other technical instructions – OUTPUT SCREEN Tab 2 - quantity | |
|---|---|
| Transaction type code | Shows the settlement transaction type code set during the selected period duration of time from the possible values:<br>- DVP (delivery versus payment)<br>- DWP (delivery with payment)<br>- FOP (free of payment)<br>- PFOD (payment free of delivery) |
| Transaction category | Shows the category of the settlement transaction from the possible values:<br>- REAL (realignment)<br>- COTF (conditional technical FOP) |
| Transaction sub-category | Shows the subcategory of the settlement transaction from the possible values:<br>- REAL (realignment)<br>- PLED (pledge)<br>- REPO (repurchase order)<br>- COBS (CoSD blocking position setup)<br>- STND (standard) |
| **DELI** | |
| Instructed quantity | Sum of instructed settlement quantity of all totally and partially settled SIs with securities movement type DELI, per transaction type / transaction category and sub-category. |
| Quantity totally settled | Sum of settled settlement quantity of all totally settled SIs with securities movement type DELI, per transaction type / transaction category and sub-category. |
| Quantity partially settled | Sum of settled settlement quantity of all partially settled SIs with securities movement type DELI, per transaction type / transaction category and sub-category. |
| Quantity partially cancelled | Sum of unsettled amount of all partially settled SIs with securities movement type DELI, per transaction type / transaction category and sub-category. |
| Quantity totally cancelled | Sum of unsettled amount of all totally cancelled SIs with securities movement type DELI, per transaction type / transaction category and sub-category. |
| Quantity total | Sum of ‘Quantity totally settled’, ‘Quantity partially settled / partially cancelled’ and ‘Quantity totally cancelled’ with security movement type DELI, per transaction type / transaction category and sub-category. |
| **RECE** | |

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| | |
|---|---|
| Instructed quantity | Sum of instructed settlement quantity of all totally and partially settled SIs with securities movement type RECE, per transaction type / transaction category and sub-category. |
| Quantity totally settled | Sum of settled settlement quantity of all totally settled SIs with securities movement type RECE, per transaction type / transaction category and sub-category. |
| Quantity partially settled | Sum of settled settlement quantity of all partially settled SIs with securities movement type RECE, per transaction type / transaction category and sub-category. |
| Quantity partially cancelled | Sum of unsettled amount of all partially settled SIs with securities movement type RECE, per transaction type / transaction category and sub-category. |
| Quantity totally cancelled | Sum of unsettled amount of all totally cancelled SIs with securities movement type RECE, per transaction type / transaction category and sub-category. |
| Quantity total | Sum of 'Quantity totally settled', 'Quantity partially settled / partially cancelled' and 'Quantity totally cancelled' with security movement type RECE, per transaction type / transaction category and sub-category. |
| **Total** | |
| Instructed quantity | Sum of 'Original quantity' for 'DELI' and 'RECE' per transaction type / transaction category and sub-category. |
| Quantity settled (totally + partially) | Sum of 'Quantity totally settled' plus 'Quantity partially settled'' for 'DELI' and 'RECE' per transaction type / transaction category and sub-category. |

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# 7 Understanding user rights and access rights (advanced users)

Every user is linked to one party in CRDM and member of one role and group in DWH.

In order to identify to which group, role you belong and the capabilities assigned to you follow the steps:

- Personal menu > My preferences > Personal > Advanced > Groups and roles > View details
- Personal menu > My preferences > Personal > Advanced > My capabilities > View details

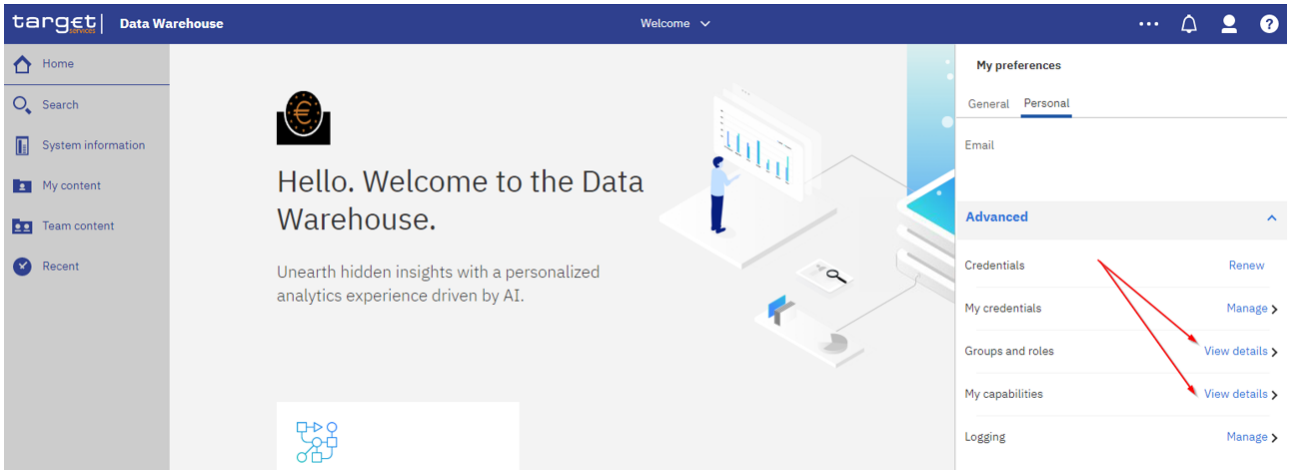



**Figure 452: Groups and roles and capabilities**

Based on the above attributes a two level security is defined in the DWH:

- Functional security
- Data security

## 7.1 Functional security

The functional security is defined as what a user is able to access and do in the DWH, which means access to content and product features.

**User Groups and Roles**

In CRDM two privileges for the usage of DWH are available: Data Warehouse Normal User and Data Warehouse Advanced User. Each of these privileges is linked to one role/group in DWH. Ther roles/groups define the DWH capabilities, assigned to user.

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| User groups | Can be assigned to party type | DWH Role | Description |
|---|---|---|---|
| Normal | Central Bank<br>Payment Bank<br>Ancillary System | Consumers | Members can read, execute and schedule public content, such as predefined reports. |
| Advanced | Central Bank | Authors | Members have the same access permissions as Consumers. They can also schedule a report and create user defined reports or adapt predefined reports. |

**Table 151: Functional security - User Groups and Roles**

**Note:** Roles “Everyone” and “All Authenticated Users” are system roles, which are assigned to all users who are allowed to access the DWH.

The party types CB, Pb and AS define the access to the DWH content.

All users of these three party types have access to the “Team content” folder. It contains the following sub-folders, visible to the users according to the group they belong to:

- CB shared folder (only visible to CB users), containing following sub-folders:
  - CB – XX shared folder (XX is the country code of the CB)

    Contains reports shared among all users of the same CB
  - Central Banks shared folder

    Contains reports shared among all CBs
- Data packages (visible to all users)

  Packages are model subsets or the whole model that ensure users are provided with data appropriate for the reporting they need to do, and that the data is structured in ways that make sense from a business perspective. A model serves as an insulating layer between DWH users and the database.

  Contains data used for running or developing reports – it is read-only.
- Predefined Reports (visible to all users)

  Contains all predefined reports grouped in sub-folders in the hierarchy of chapter Predefined reports. Only those predefined reports are visible to the user, which are accessible to his user group (according to his party type). See chapter Predefined reports for details.

Users are not allowed to create or delete entries in the “Team content”, “CB shared”, “Data packages” and “Predefined Reports” folder.

The users according to their party type (CB, PB, AS) have access to different reports in the Predefined Reports folder. For example in the folder ‘TRN - Transaction Reports’ under Team content – Predefined Reports,

A Central Bank user can see the following reports:

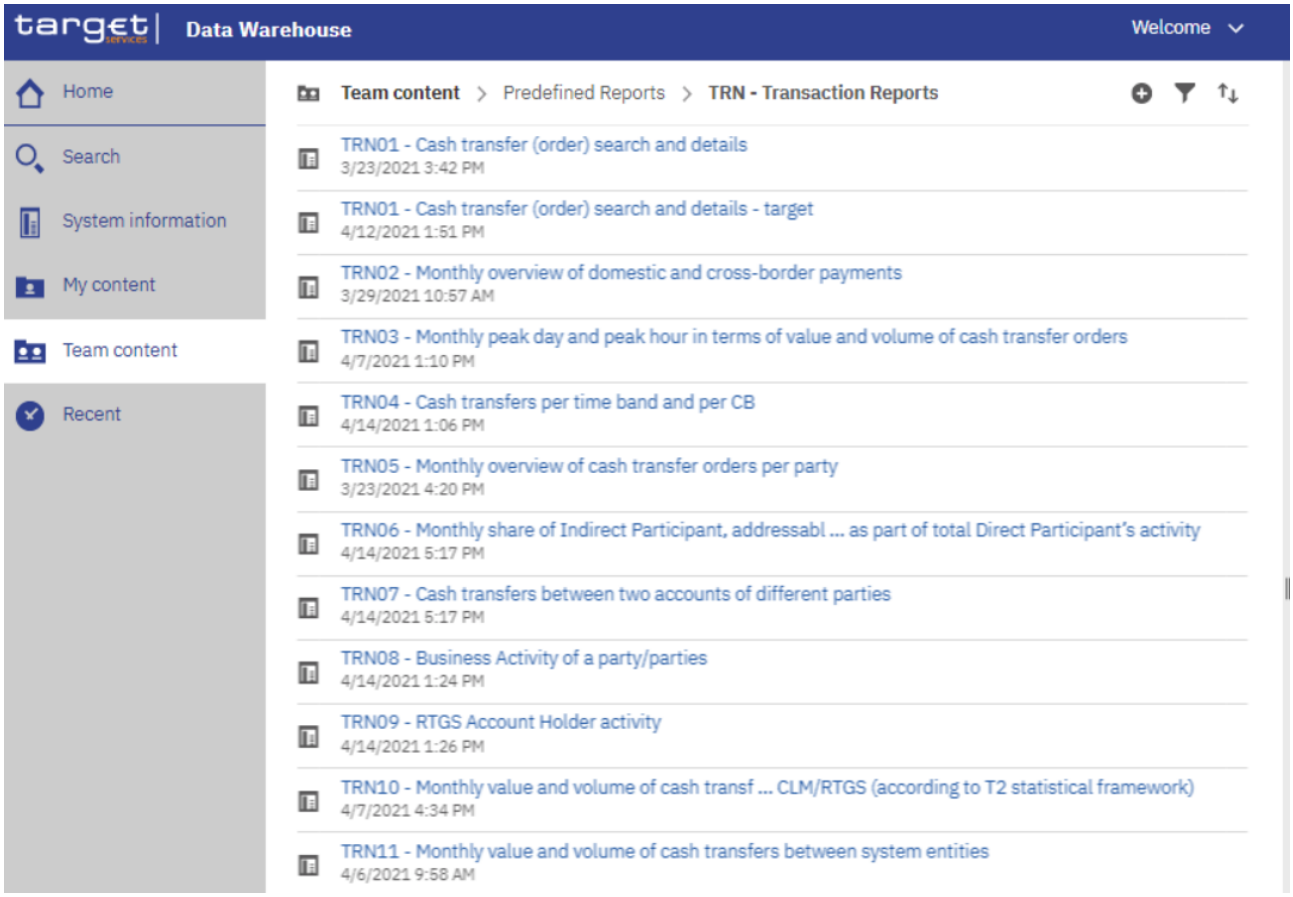



**Figure 453: Functional security - Central Bank user**

A Payment Bank user can see the following reports:

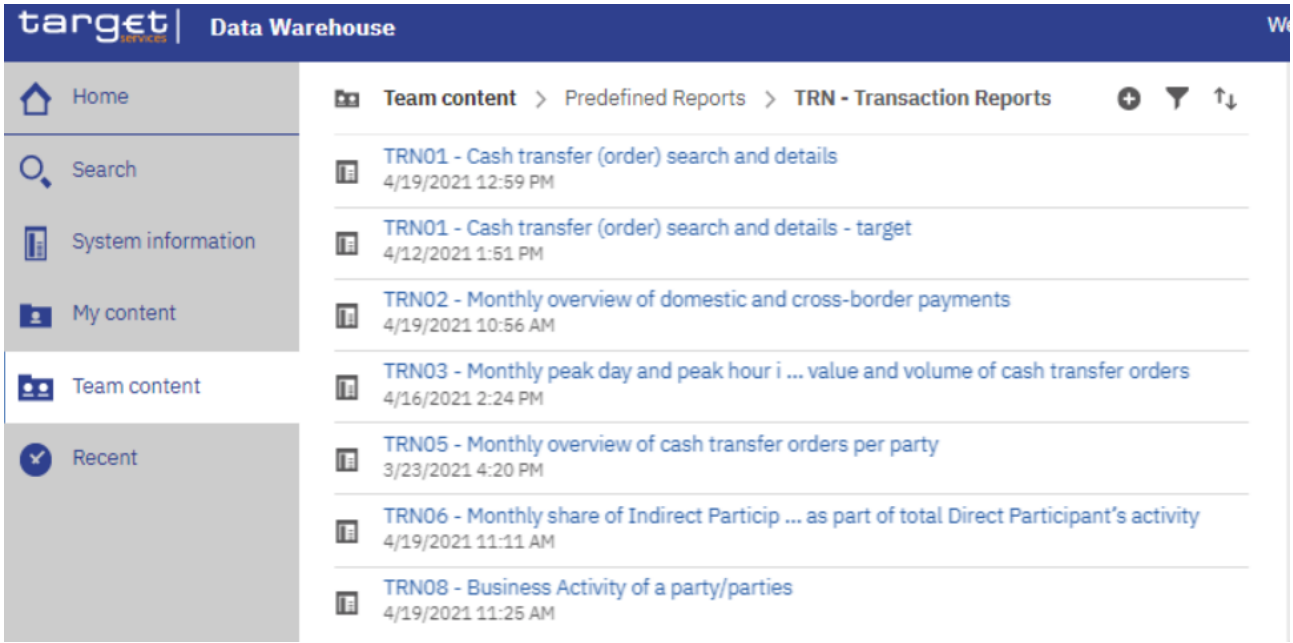



**Figure 454: Functional security - Payment bank user**

An Ancillary System user can see the following reports:

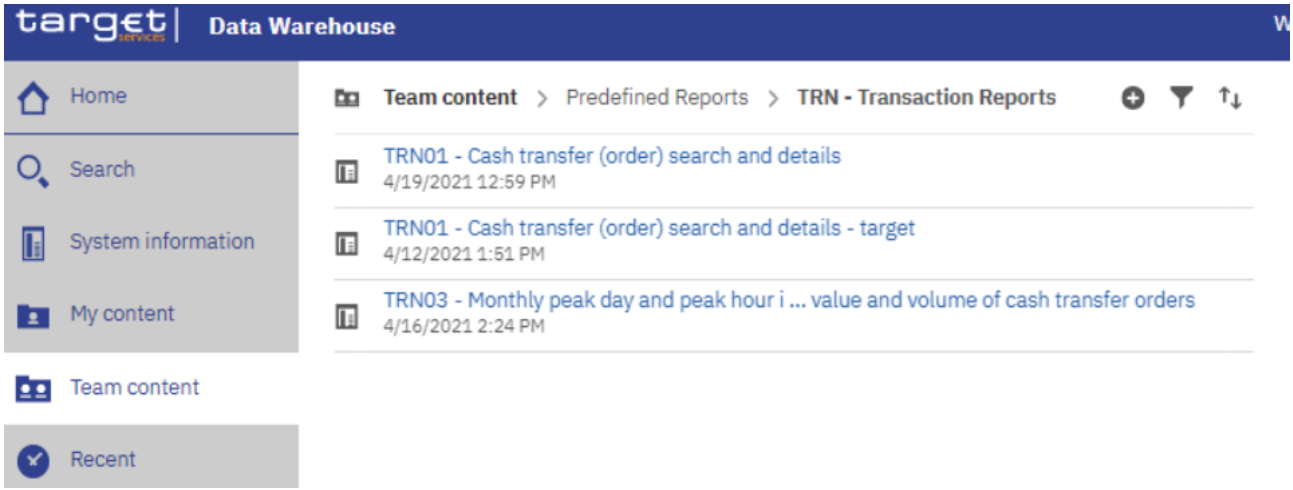



**Figure 455: Functional security - Ancillary System user**

## 7.2 Data security

Users are accessing data through predefined reports or reports they develop themselves (only advanced users).

In both cases, a report is related to one Data package, which describes the database in business terms allowing advanced users to easily develop reports.

The package also dictates the access to the data according to user-id, which is related to one party and the relevant cash accounts.

The general rules followed are:

- PB and AS users are allowed to see granular and aggregated data provided by predefined reports and related to their party / cash accounts. They are also able to see data of Cash Accounts that do not belong to them, e.g. as Co-manager, or Account Monitoring group leader.
- CB users are allowed to see granular and aggregated data related to their party / cash accounts along with the data that parties within their system entity are able to see. Additionally, they are also able to see aggregated system-wide data.

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# 8 Creating reports (just advanced users)

Create a report by clicking the “**Open menu**” icon ( ) on the left side of the Global application bar and then clicking on “New” and “Report". When you create a report, you are actually creating a report specification. The report specification defines the queries and prompts that are used to retrieve data and the layouts and styles used to present the data. For simplicity, the report specification is named by the same name as the report.

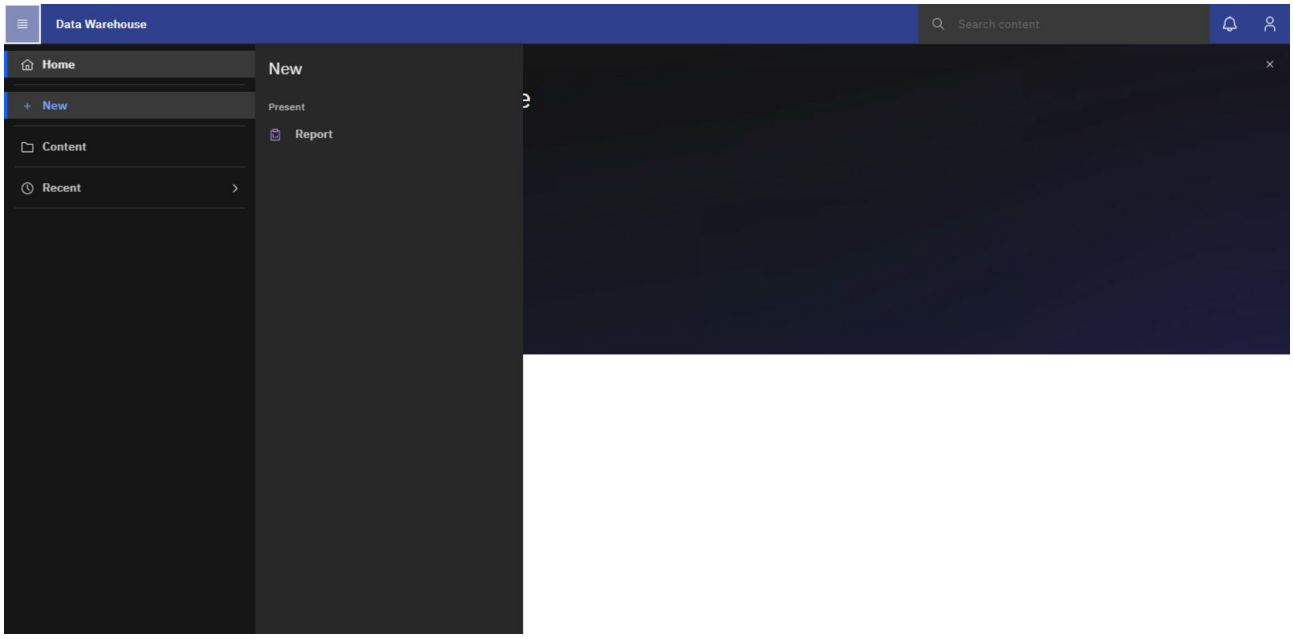



**Figure 456: Creating reports - Welcome page – Open menu - New - Report**

To adapt predefined reports, navigate to the report click on “**Action menu**” and select “**Edit report**”. The report will be displayed in the edit view. All report adaptions can be executed in the same way as how to create a new report from scratch.

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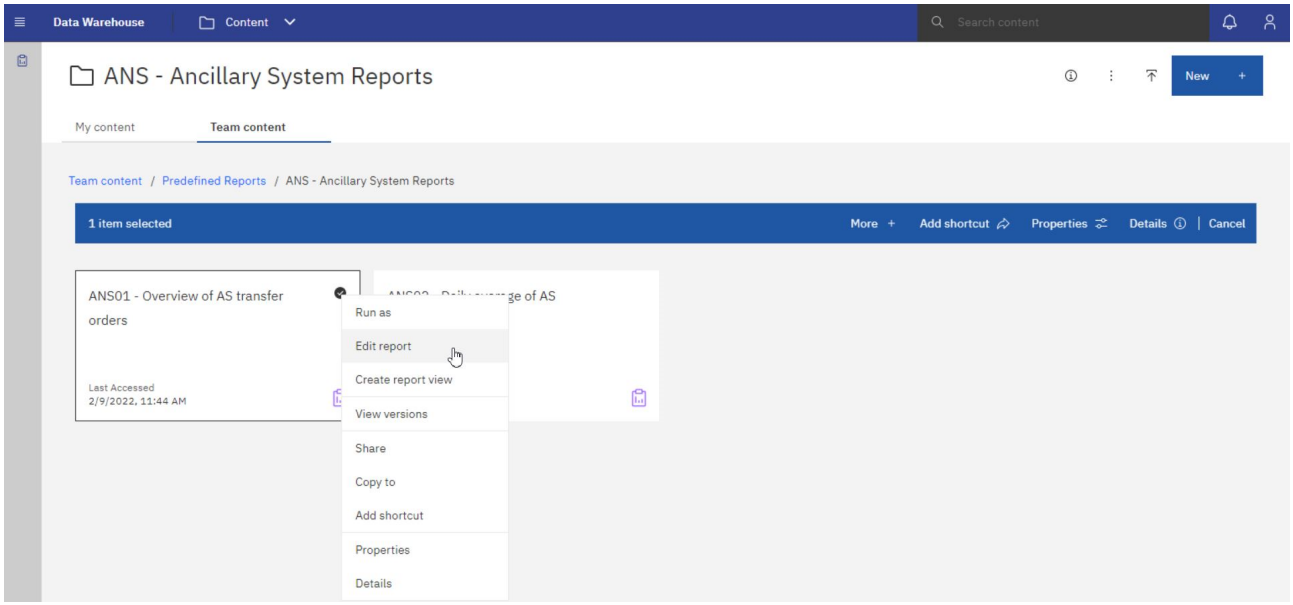



**Figure 457: Creating reports - Predefined Reports - Edit report**

# 8.1 The user interface

This chapter gives an overview in the creation of a new report.

This is the first screen when creating a new report.

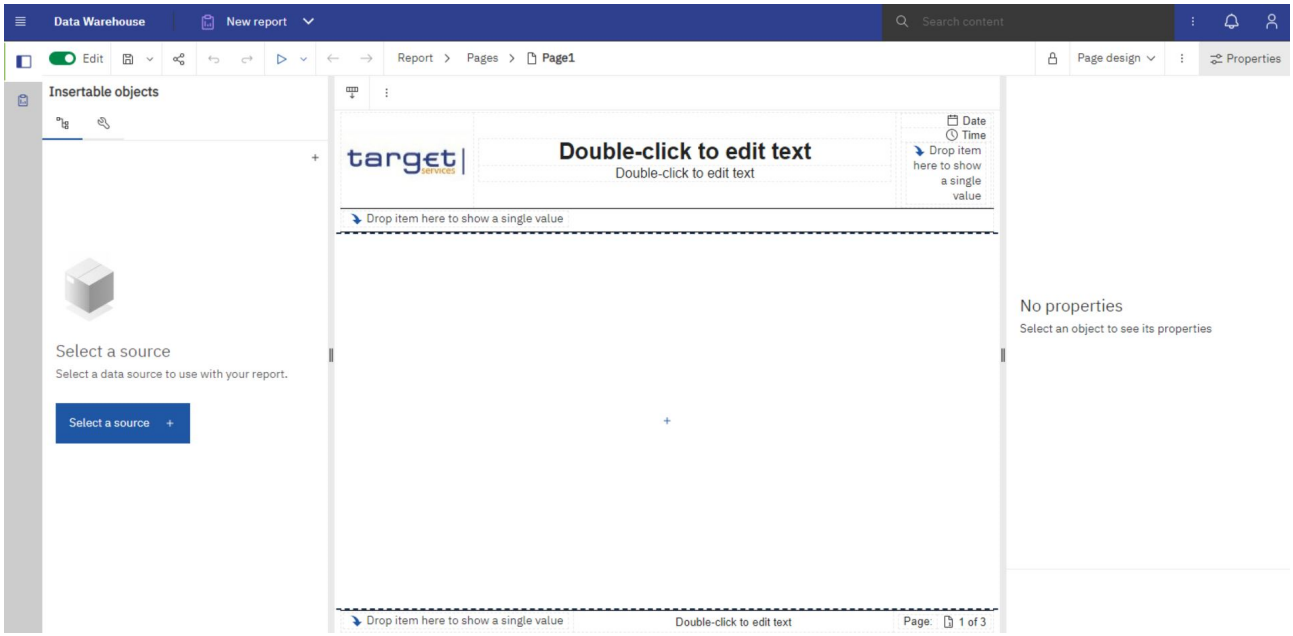
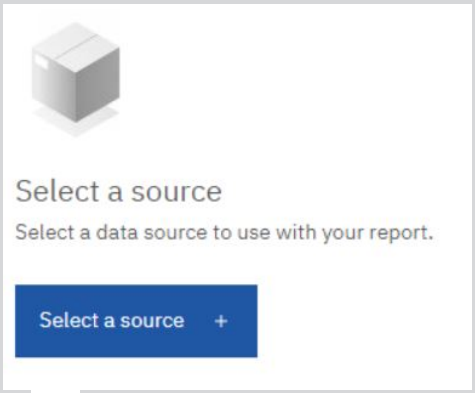
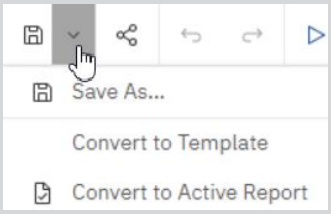
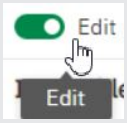
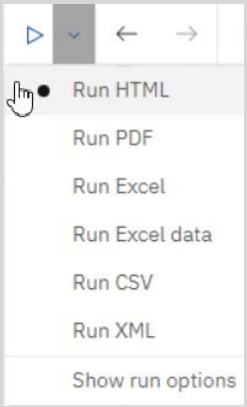
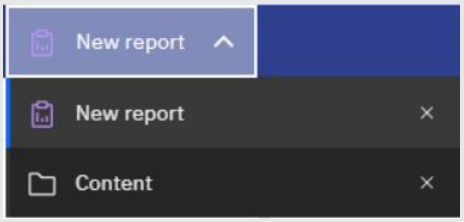
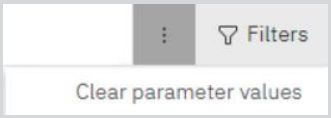
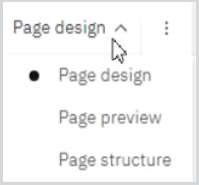


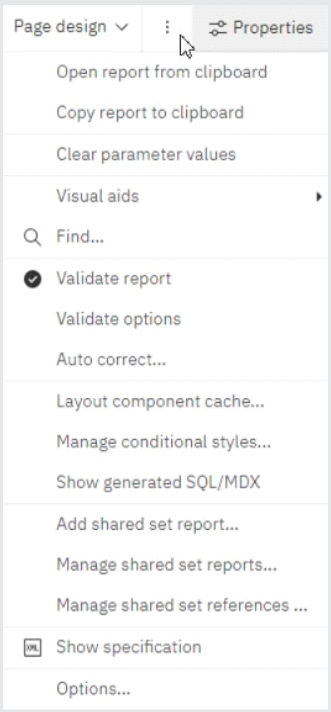

**Figure 458: The user interface- Creating a report**

| Reporting icon | Description |
|---|---|

| | |
|---|---|
|  | Navigation menu |
|  | Data source |
|  | Data items<br>The first Symbol is only visible if you did not select a source.<br>Than you can select the source you need from the team content. |
|  | Toolbox |
|  | Save as<br>Convert to Template<br>Convert to Active Report |
|  | Toggle between editing the report and viewing the report.<br>**Tip:** These two states are referred to as edit mode and view mode. |
|  | Undo last action you made to the report |
|  | Redo the last change you made to the report |
|  | Specify run options for the report and run the report. Run options include output format, orientation of the report, how much data to return, language, rows per page, accessibility features, bidirectional support and performance details. Appears only in edit mode. |

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| | |
|---|---|
|  | Run the report using the current run options. The data is refreshed (database re queried) only if you change the output format from the last time you ran the report. To change the output format, click the down arrow. Appears only in view mode. |
|  | Refresh the report using the same prompt values. Appears only in view mode.<br>**Note:** To ensure that the data is refreshed, disable the “Use local cache” property in the properties for the query. |
|  | Switch between the Welcome page and other views that you have open in the DWH GUI. |
|  | Parameter values stored by the DWH server include sign-on, validation, and prompt information. For example, if you define two data source connections in the DWH portal that point to the same data source, you are prompted to choose one when you run a report. This information is stored so that you are not prompted each time you run the report. |
|  | Toggle between locking and unlocking objects on the canvas. To manipulate the contents of some objects, you must first unlock the object. For example, you have a list that contains the column “**Product Name**”. You want to insert a graphic inside the “**Product Name**” column to show an image of each product. Unlock the list to insert the image object inside a list column. |
|  | Switch between page design, page preview, or page structure view. |

| | |
|---|---|
|  | When you click on the "**More**" icon ( ⋮ ) thefollowing options are available to choose:<br>▪ Open report from clipboard<br>▪ Copy report to clipboard<br>▪ Visual aids<br>▪ Find...<br>▪ Validate report<br>▪ Validate options<br>▪ Auto correct<br>▪ Layout component cache<br>▪ Manage conditional styles<br>▪ Show generated SQL/MDX<br>▪ Add shared set report<br>▪ Manage Shared Set Reports<br>▪ Manage Shared Set References<br>▪ Show specification<br>▪ Options... |
| Copy report to clipboard | You can copy a report specification to the clipboard so you can open it from the clipboard later. |
| Open report from clipboard | You can open a report specification that was previously copied to the clipboard. This is useful for importing an XML report specification from outside the DWH environment. |
| Visual aids | Visual aids include options to help you when you are designing reports in the layout. |
| Find... | You can quickly locate specific objects in a report by using “Find”. |
| Validate report | Validate your report to ensure that it contains no errors. |
| Validate options | If you require more details from the validation process. |
| Auto correct... | If you encounter validation errors and want to identify incorrect objects in your report |
| Layout component cache... | In the layout component cache you can see which template (report) is used. In case there is a change in the template (report) you can see where the source of the change is. |

| | |
|---|---|
| Manage conditional styles... | You can view, modify, or delete the conditional styles that are applied to your report. You can also define a new conditional style. |
| Show generated SQL/MDX | View the SQL or MDX for the entire report. |
| Show specification | A report specification is an XML file that you can view. |
| Options... | Please see Chapter “**Options in Reporting**” for detailed information. |
| Properties | Toggle between showing and hiding the Properties pane for the active object. The properties that are displayed are different, depending on the object. |

**Table 152: The user interface - Report icons and functions**

DWH - Reporting has three views in which you can author reports: Page design view, Page preview view, and Page structure view.

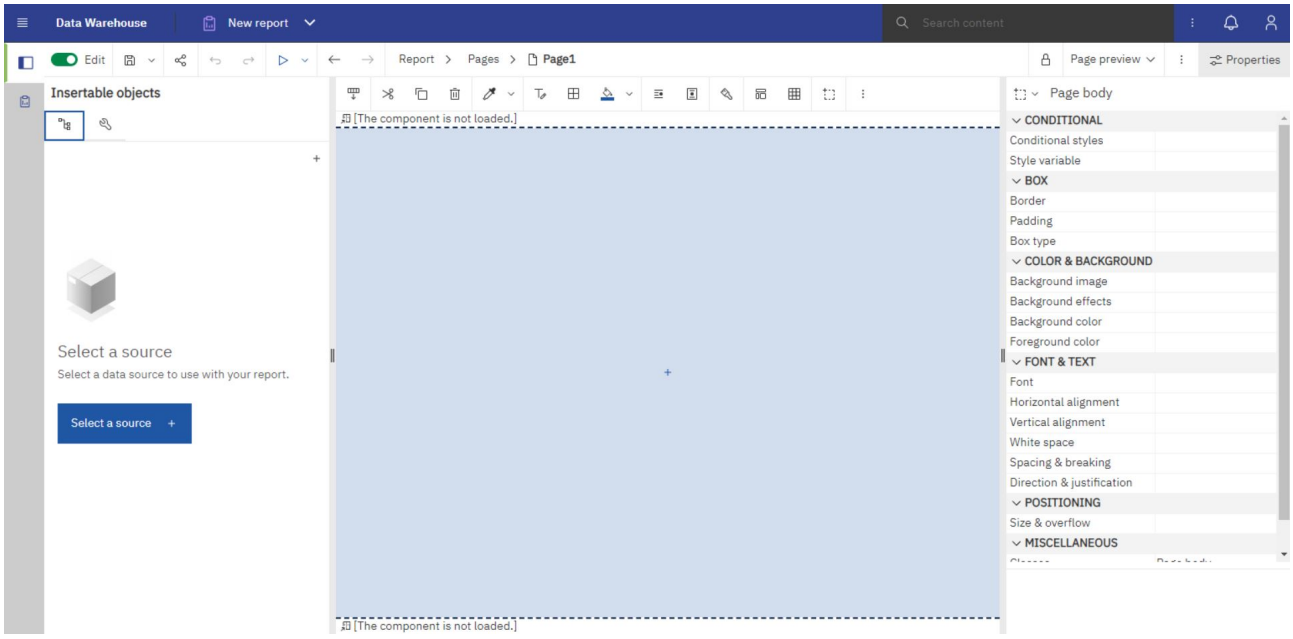



**Figure 459: The user interface - Page Preview**

You choose a report authoring view by selecting one of them on the application bar. Different options are available in each view, so you often need to use all views. For example, you must use the “**Page design**” and “**Page structure**” views to remove sections in relational reporting.

Page design view:

The default view in DWH - Reporting. In this view, you can see what your report will look like after you run it.

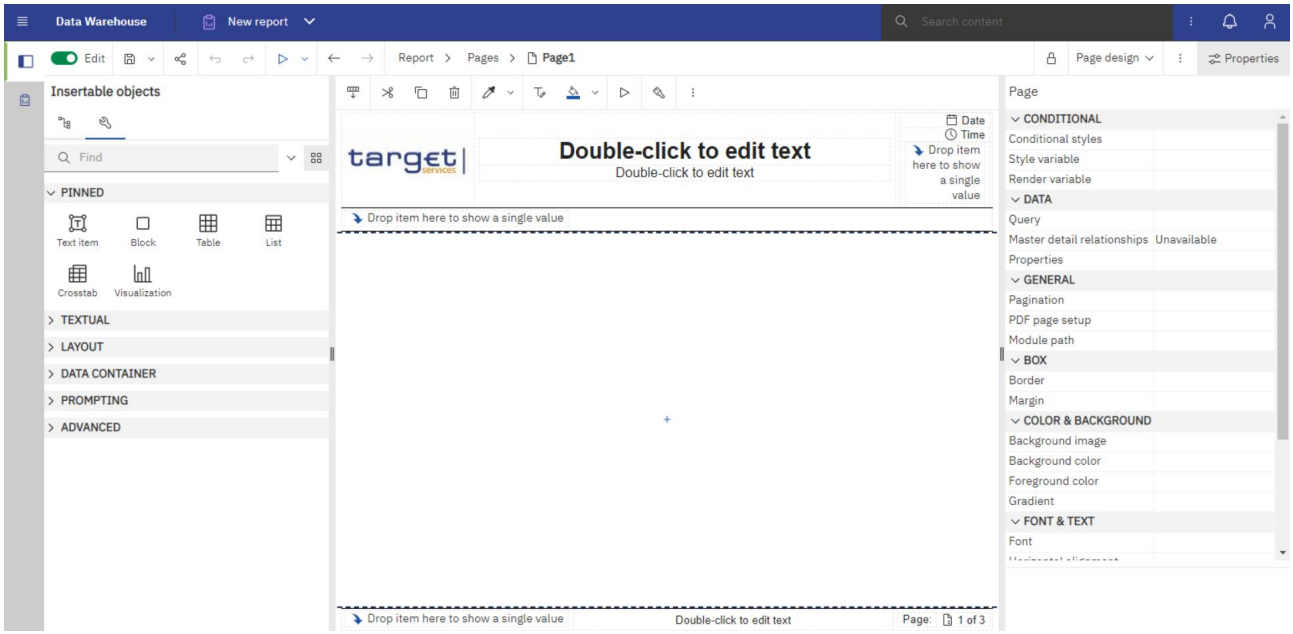



**Figure 460: The user interface - Page design view**

Page preview view:

Shows you the current report page with live data. In this view, you can edit the report, such as inserting data items into empty data containers.

When you are authoring an DWH Active Report, the “**Page preview**” view shows you live data as you format the report.

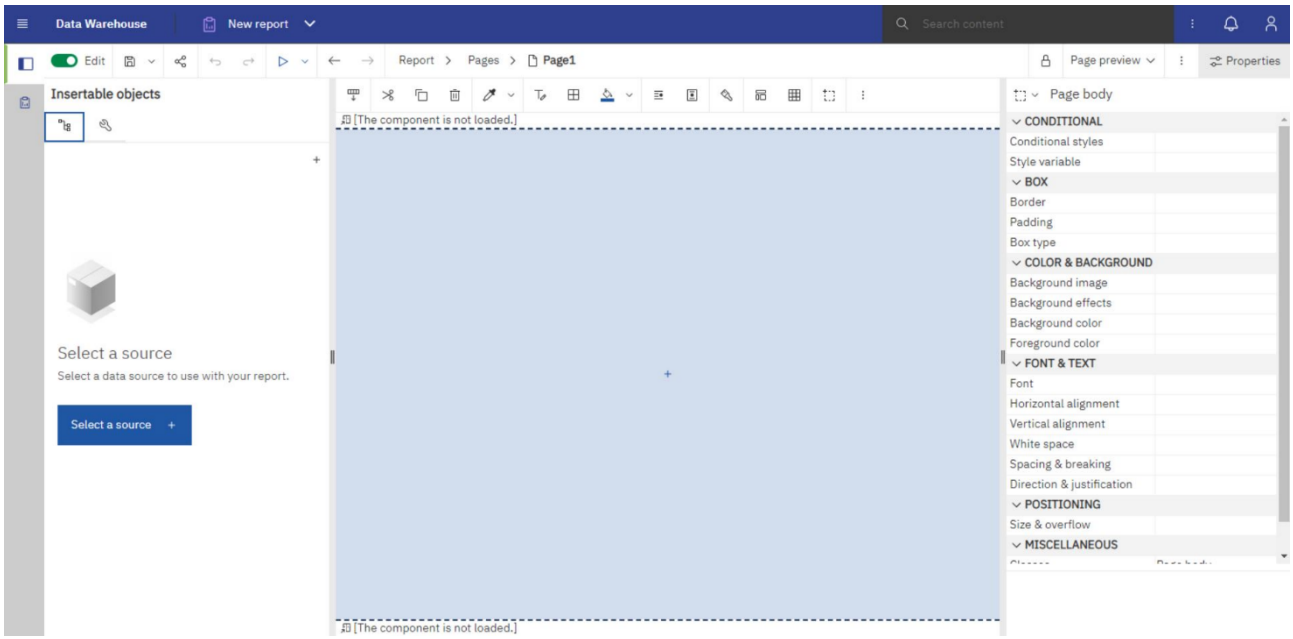



**Figure 461: The user interface - Page structure preview**

Here it looks the same as the design view, but you cannot add objects (plus symbol) here.

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Page structure view:

Displays an overview of all of the report objects in your report in a tree structure, which is organized by page.

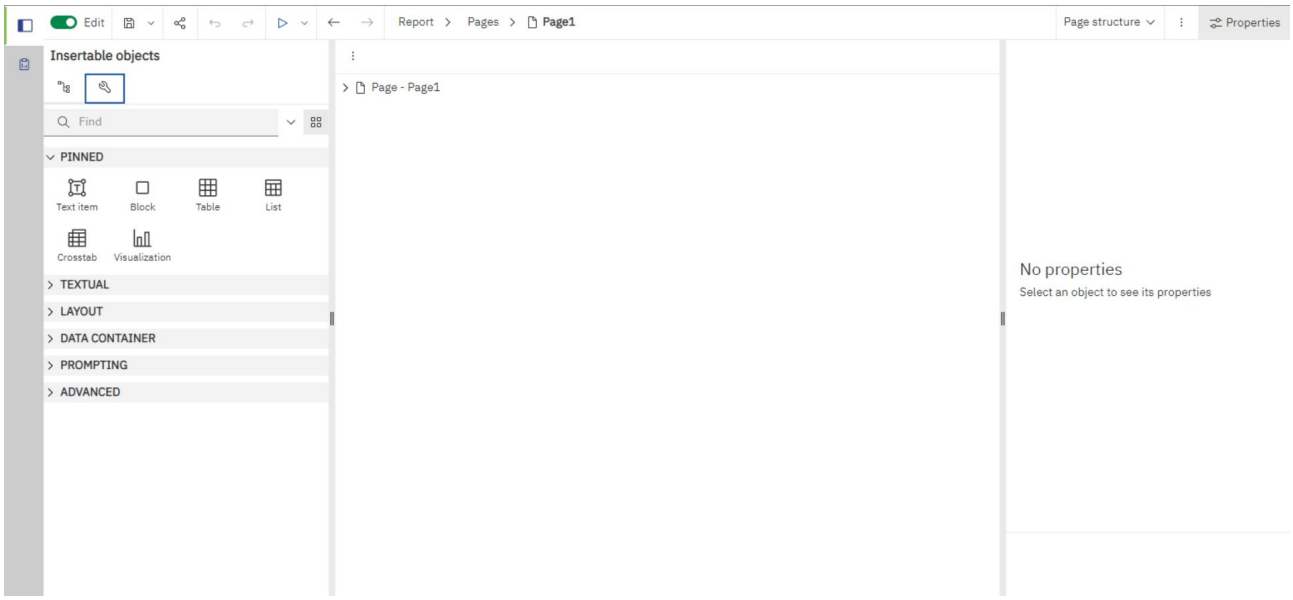



**Figure 462: The user interface - Page structure view**

Create a report details the process of report creation further by providing a step-by-step guidance.

## 8.1.1 On-demand toolbar

The on-demand toolbar (formerly known as the report object toolbar) contains the actions you can perform on an object.

You can disable the on-demand toolbar.

The following list shows the actions that are available from the on-demand toolbar. The actions that appear depend on the type of object that is active on the canvas:

**Pin and Unpin**

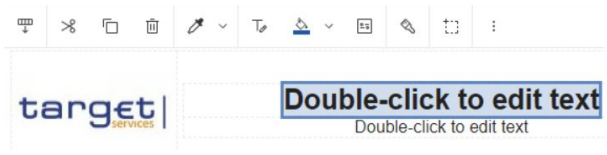



**Figure 463: On-demand toolbar - Pin and Unpin**

When the on-demand toolbar is pinned, it stays at the upper left corner of the canvas, regardless of which object is active.



When it is unpinned, it floats near the object that is active.

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You can also control the display of the on-demand toolbar by setting the “**Show on demand toolbar on right-click**” option

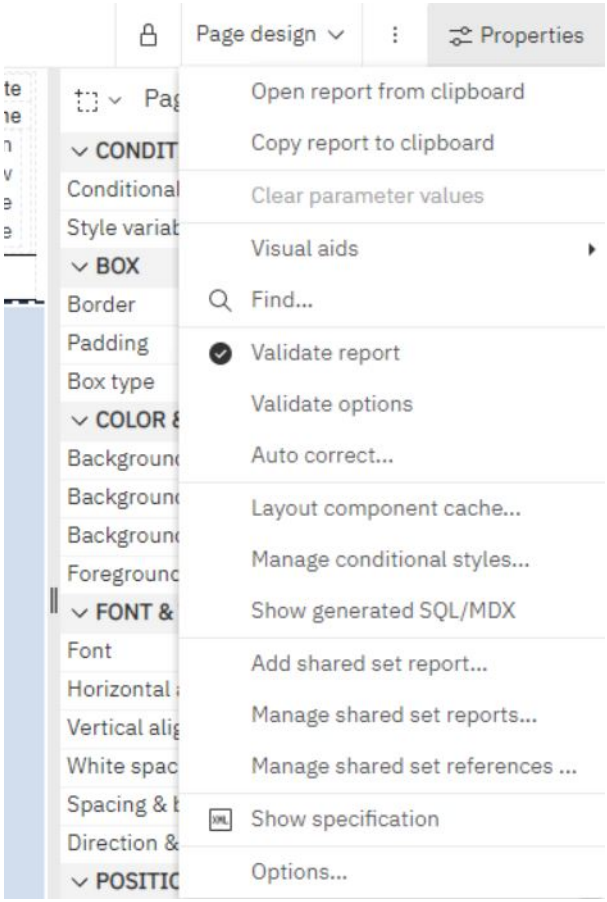



**Figure 464: On-demand toolbar - More icon**

Click the “**More**” icon ( ⋮ ).

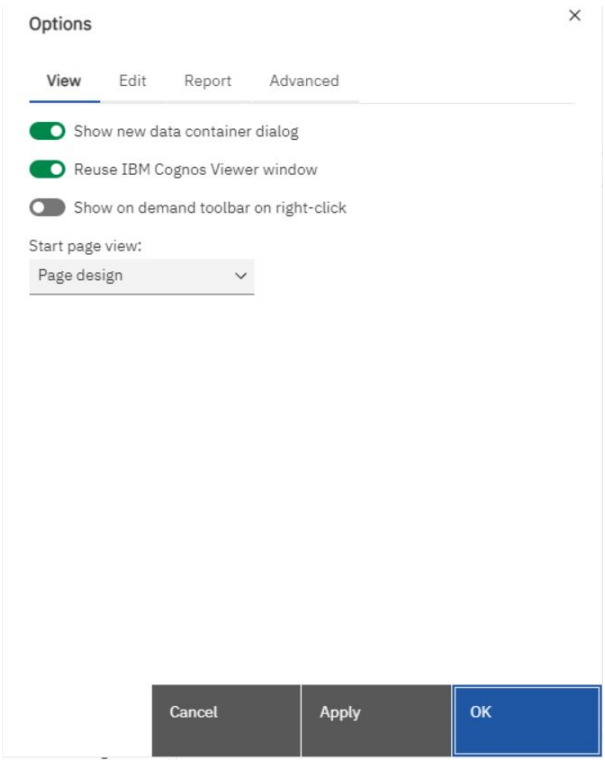



**Figure 465: On-demand toolbar - More icon - Options**

When the "**Show on demand toolbar on right-click**" check box is selected, the on-demand toolbar displays when you right-click an object. When cleared, the on-demand toolbar displays when you click an object. If the on-demand toolbar is pinned, it appears at the top left corner of the canvas, regardless of the setting of the "**Show on demand toolbar on right-click**" option.

**"Cut" ( ), "Copy" ( ), "Paste" ( ) and "Delete" ( )**

Cut, copy, paste, or delete an object

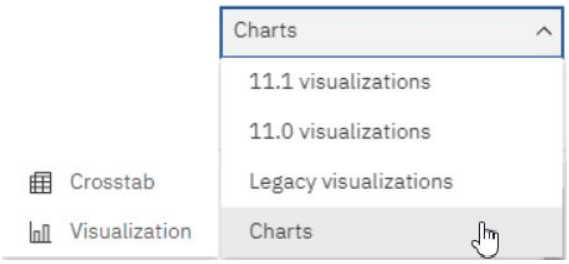
**"Filters" ( )**

Click the "**Filters**" icon to add, edit, or delete filters or add filter text to the visualization

**"Swap rows and columns" ( )**

In a table, switch the row and columns around

You can only swap columns and rows in a crosstab or in a Visualization from the Visualization gallery window "**Charts**"




**“Apply style” ( )**

Apply a custom or default style

**“Font” ( )**

Edit the font for an object

**“Border” ( )**

Apply a border. You can choose the style, width, and colour.

**“Background colour” ( )**

Apply a background colour

**“Horizontal alignment” ( )**

Change the horizontal alignment

**“Vertical alignment” ( )**

Change the vertical alignment

**“Style current selection” ( )**

Create and apply a custom style to the selected object

**“Apply layout” ( )**

Select a different layout for the report

**“Insert table” ( )**

Insert a table

**“Select ancestor” ( )**

Select the layout component that is the ancestor of our current selection.

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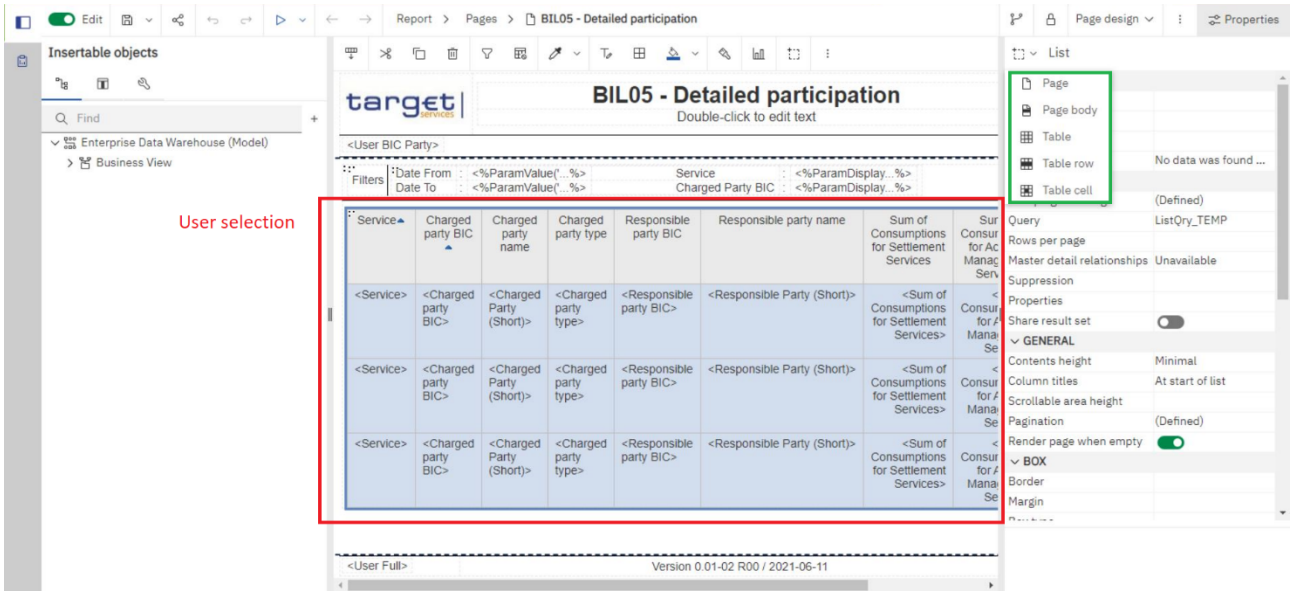



**Figure 466: On-demand toolbar - Select ancestor**

**“More” ( ⋮ )**

Other actions that vary, depending on the type of object that is active. For example, for a visualization, you can change the headers and footers. For a table, you can apply a table style. For a table cell, you can build a prompt page.

## 8.1.2 Sources tab

The “**Sources**” tab ( ) contains items from the package selected for the report, such as data items and calculations. When you drag an item to the canvas, the visualization recommender chooses a visualization to represent the data. If you do not like the visualization, you can change it.

Search through the sources by typing a value in the “**Find**” field ( Find ). As you type, the items that match your search string appear in the tab.

All the items in the “**Sources**” tab ( ) have an icon that describes the item purpose.

| | |
|---|---|
| | Package |
| | Namespace |
| | Folder |
| | Dimension |
| | Hierarchy |
| | Level |
| | Member |
| | Query Subject |
| abc | Character |
| | Measure |
| # | Integer |
| | Date / Time |

**Figure 467: Sources tab - Sources items**

## 8.1.3 Data items tab

The "**Data Items**" tab ( ) shows the queries in the report.

## 8.1.4 Toolbox bar

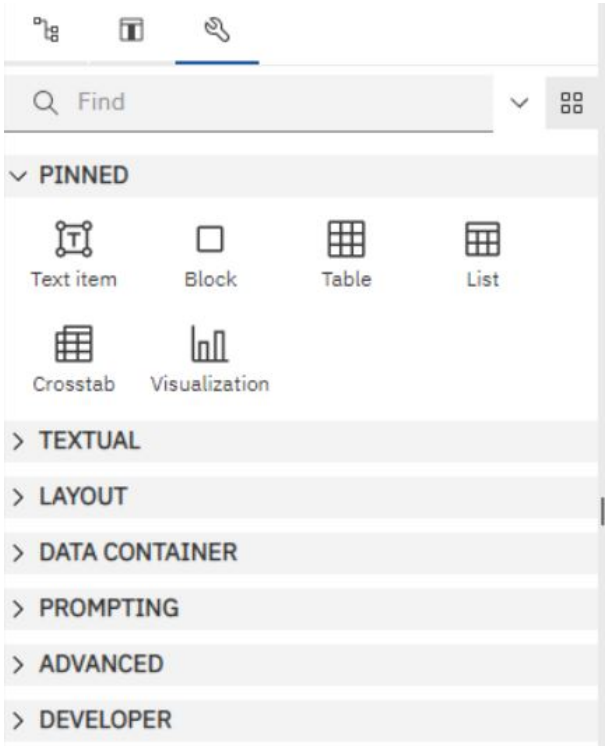



**Figure 468: Toolbox bar**

The “**Toolbox**” tab ( ) contains various objects that you can add to a report, such as visualizations, text, layout objects, and prompts. You can also add advanced objects such as custom controls and hyperlinks. Depending on the type of object, you can drag it from the Toolbox to the canvas or double-click it to open a window in which you define values for the object. When the object is placed on the canvas, its properties are displayed in the “**Properties Pane**”.

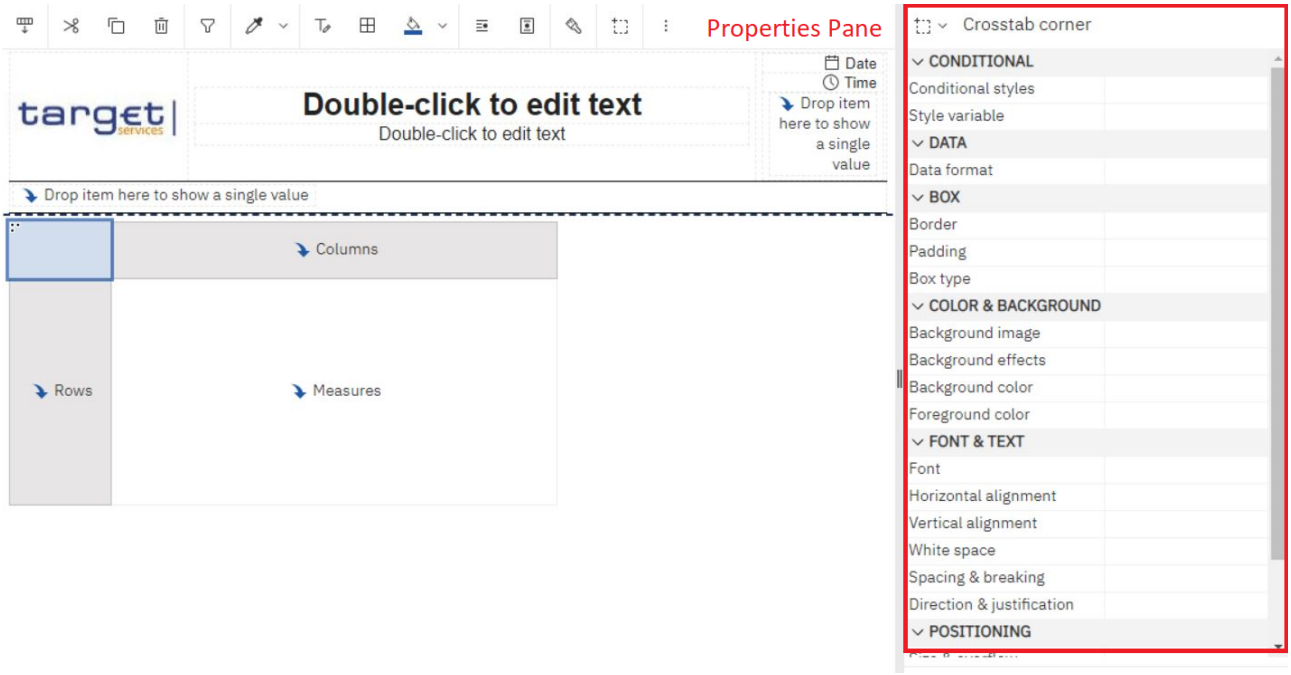



**Figure 469: Toolbox bar - Properties Pane**

Search through the objects by typing a value in the “**Find**” field ( Find ). As you type, the items that match your search string appear in the tab.

Toolbox items are organized into groups. Click ( ) to show all of the items available in each group or ( ) to collapse the groups. Click ( ) to toggle between a list view or a tree view of the items in the groups.

Add items that you use often to the **PINNED** group. Items in the **PINNED** group appear in the “**Add circular menu**” icon ( ) on the canvas when you create a new report. To add a toolbox item to the “**PINNED**” group, right-click the item and click “**Add to pinned toolbox items**” ( Add to pinned toolbox items ). To remove an item from the “**PINNED**” group, right-click the item and click on “**Remove from pinned toolbox items**” ( Remove from pinned toolbox items ).

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## 8.1.5 Report overview pane

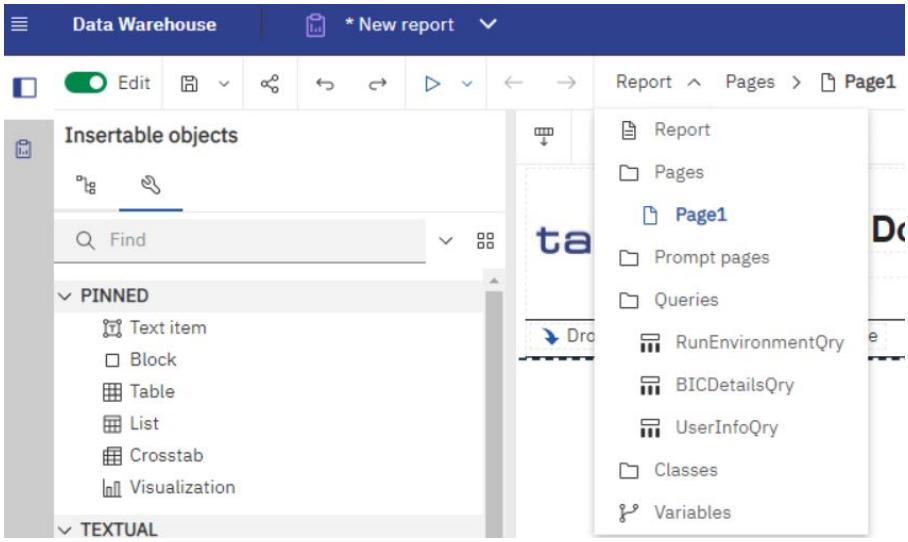



**Figure 470: Report overview pane**

Click Report in the navigation drop-down to see the following information:

1. A description of the report
2. Data sources used in the report
3. The parameters used in the report
4. Number of report objects
5. Number of page objects

Click "**Validate report**" ( ) to validate the report specification.

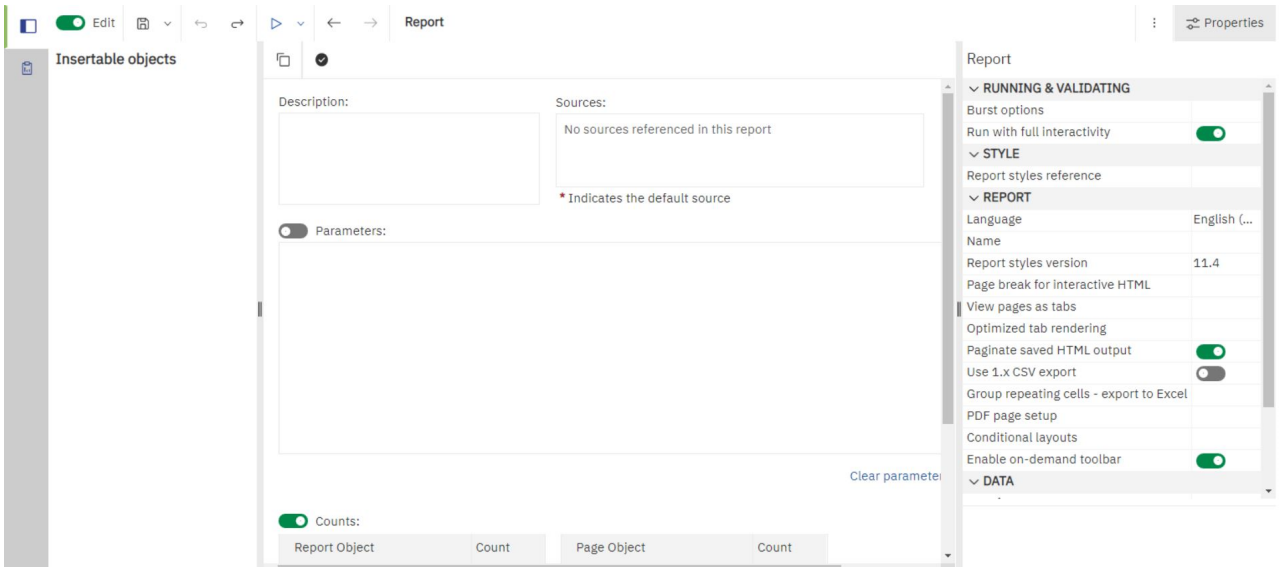



**Figure 471: Report overview pane - Validate report**

## 8.1.6 Pages pane

Click on “**Pages**” ( Pages ) to view or create new report pages and prompt pages, and to create and modify classes. You can insert a page, a set of pages, or a reference to a report from the pages pane.

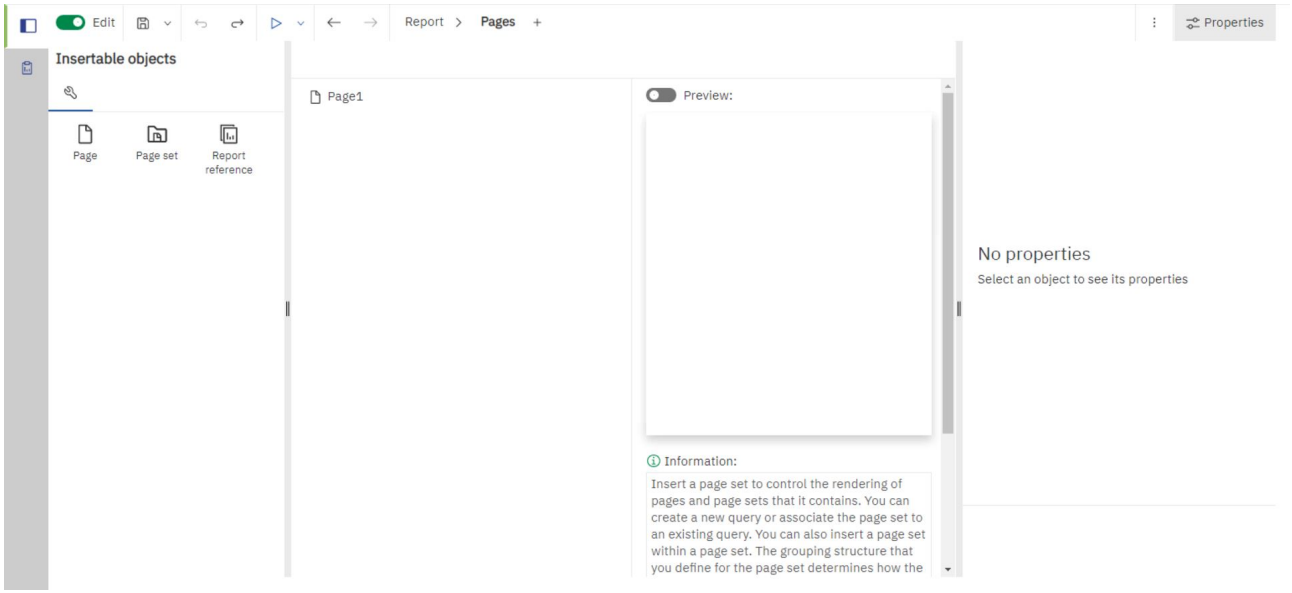
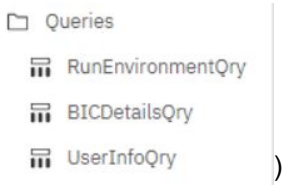



**Figure 472: Pages pane**

## 8.1.7 Queries pane




Click on ( ) to create or modify queries in relational reporting or dimensional reporting and to perform complex tasks, such as defining joins, unions, intersects, excepts, and writing SQL and MDX statements.

Click a specific query to add a calculation, detail or summary filter, or a set expression.

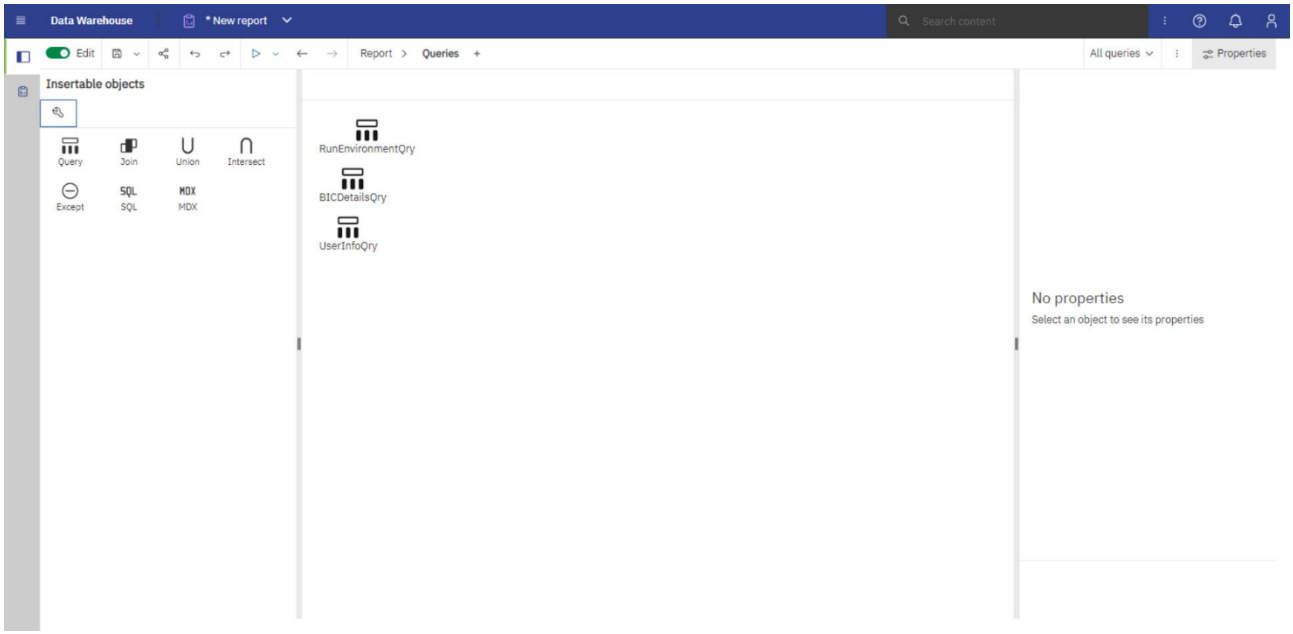



**Figure 473: Queries pane**

## 8.1.8 Classes pane

Click on “**Classes**” ( Classes ) to define a style. For example, you can define a style for the title of an axis. You can then apply the style to all axis titles in the report.

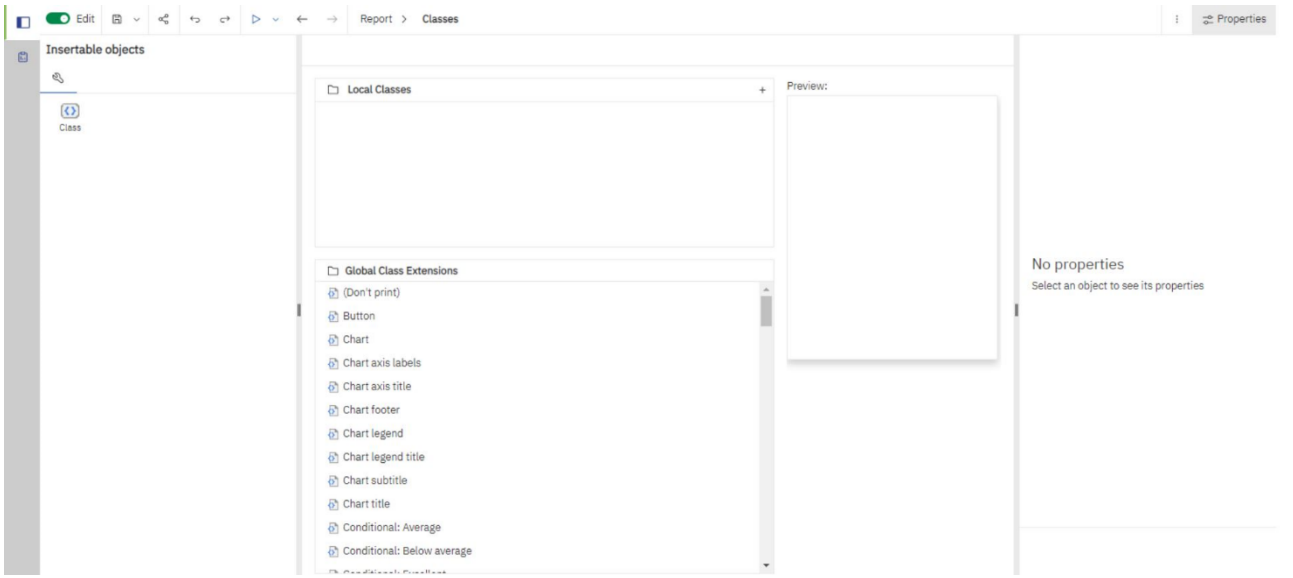



**Figure 474: Classes pane**

## 8.1.9 Variables pane

Click on “**Variables**” ( Variables ) to add a variable that has values in a different language, values as strings, and values in Boolean.

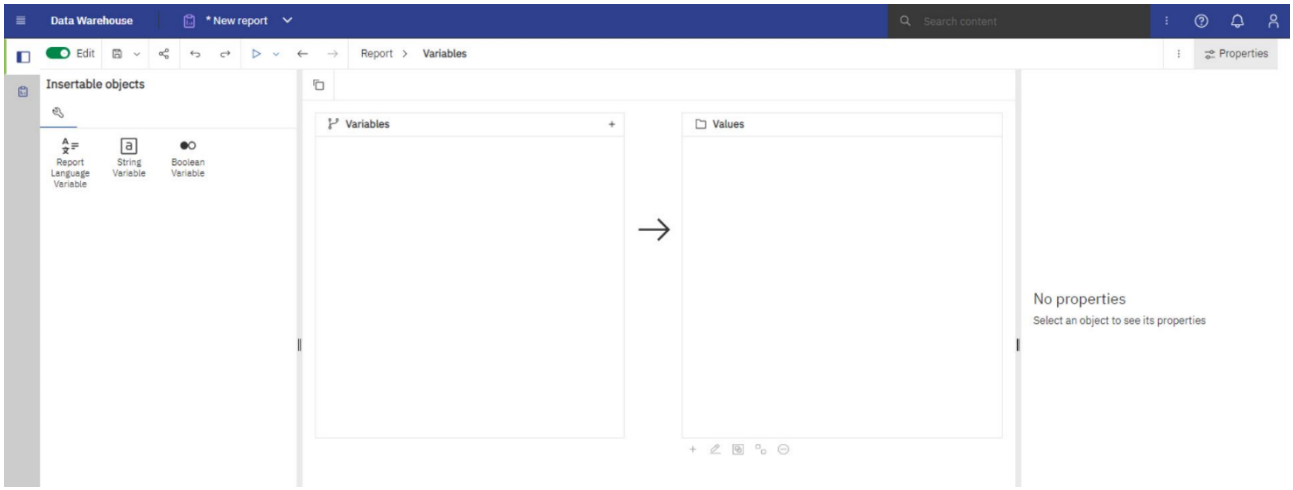



**Figure 475: Variables pane**

## 8.1.10 Filters pane

The Filters pane is ( ) available when the user runs the report in HTML. It displays all filters that are created by the report consumer on the report output. When you click a filter in this pane, all data containers that use the selected filter are automatically highlighted in the report. When a data container is selected, the filter pane is updated instantly to display only filters that are applied to the selected data container. You can edit or delete the filter directly in the pane.

You can resize the filter pane, and pin or unpin the pane depending on the screen resolution. Report authors can also make an authored filter visible to report consumers so that they can interact with it in this pane.

The pane cannot be used to create or view low-level filter expressions that are manually created in the expression editor. By default, interactive filtering is disabled for filters that were created in earlier versions of the DWH software.

This feature is not available for active reports.

## 8.1.11 Properties pane

The properties pane lists the properties that you can set for an object in a report or for the entire report. The properties that are displayed vary depending on the type of object. When you specify a value for a property, press “**Enter**”, click another property, or save the report to ensure that the value is saved. Click on ( Properties ) to show or hide the properties pane.

At the “**Report**” level, you can set the following properties:

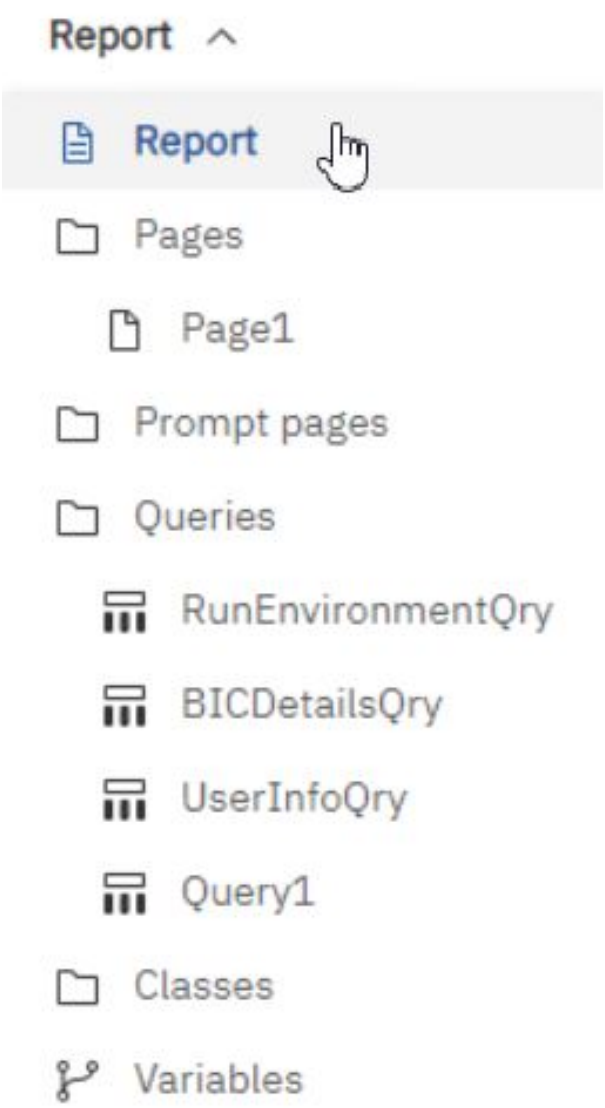



**Figure 476: Properties pane - Report level**

**Burst options**

Specifies the data item on which to burst reports. Specify recipients.

Bursting a report is running a report and sending the report to recipients, dividing the results according to which results they have access.

By clicking on the right side of the "**Burst options**" property, the following window pops out

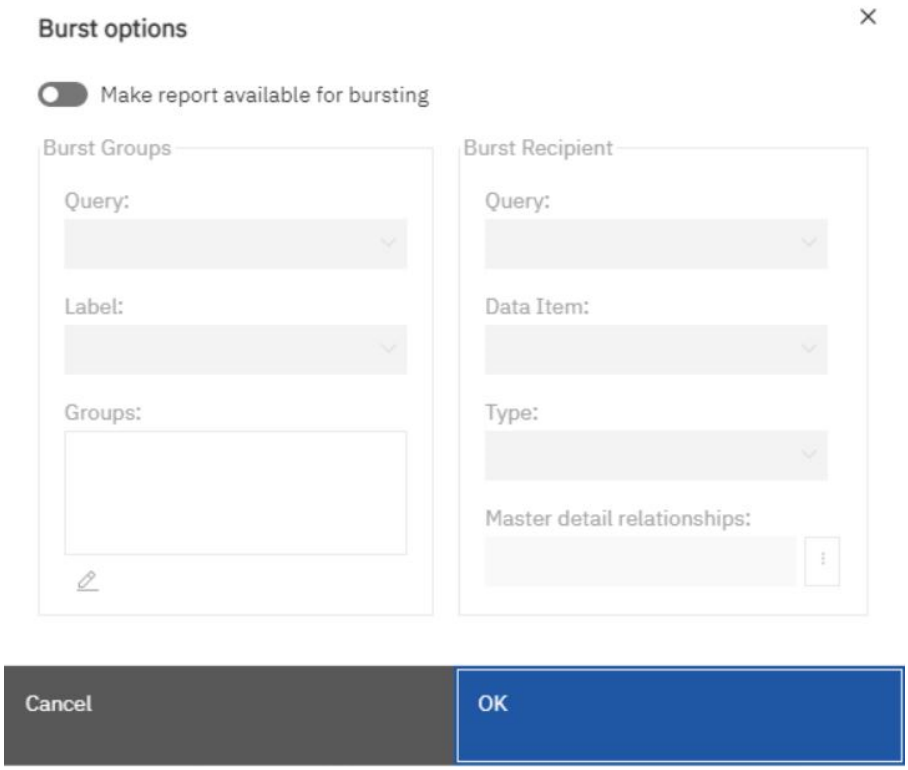



**Figure 477: Properties pane - Report level – Burst options (2)**

By clicking on the right side, or dragging the marble to the right of the checkbox ( ) at the left of "**Make report available for bursting**" the user is presented with the bursting properties:

**Burst Groups:** in the **Query** box you can select the query that contains the data item on which to burst

**Label:** you can select the data item with which to label each burst report.

By clicking on the edit button ( ), you can drag from the "**Data items**" the data item on which to burst to the Groups folder and then click on "**OK**".

Under **Burst Recipient**, in the **Query** box, you can select the query that contains the data item to be used as the distribution list.

In the **Data Item** box, you can select the data item that contains the recipients.

In the **Type** box, choose the method to burst the report:

Directory entries: you can distribute reports to folders that recipients can access in the Cognos Analytics portal.

**Run with full interactivity**

Enable users to change the report

By default, reports that are created are set to run with full interactivity

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**Style**

Apply local and global styles from another report

**Language**

Specifies the language package

**Name**

Name of the report, specified when you save it

**Report styles**

Specifies the product classes used to format objects. You can select between1.x, 8.x, 10.x, 11.x, 11.4 and 11.5.

**Page break for interactive HTML**

For reports with multiple data containers, specifies whether to render the default number of rows of each data container on each page.

**View pages as tabs**

In HTML output, specifies whether to show each report page in its own tab, and the location where the tabs appear in the browser.

**Paginate saved HTML output**

Specifies whether to create multiple pages or one scrollable page.

**Use 1.x CSV export**

Not applicable.

**Group repeating cells - export to Excel**

When you produce reports in Excel format, you can choose to group repeating cells into a single merged cell.

**PDF page setup**

Sets PDF page options

**Conditional layouts**

Add layouts to a report based on conditions

**Data formats**

Specifies the default data format properties for each type of data

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**Package-based drill-through source**

Enable or disable the report to be used as the source during a package drill-through. This property can also be set in the drill through definitions property.

**Dynamic filtering**

When the report is a drill-through target, specifies whether to apply more filtering when names from the context in the source report match names of items in the target report. This property can also be set in the drill through definitions property.

For other types of objects, like containers, you can set conditional styles, queries, pagination, margins, colour and background, font and text, and many other properties.

## 8.2 Report Layout, queries and objects

All reports have two components: a layout component that defines the report appearance and a query component that defines report data. Understanding these components will help you design effective reports.

### 8.2.1 Layout

A layout is a set of pages that defines the appearance and formatting of a report. When you design the layout of a report, you:

- present the data in a meaningful way by using lists, crosstabs, charts, and maps
- add formatting, such as borders, colour, images, and page numbers
- specify how the data flows from one page to the next

When you create a report, consider the following structural elements:

- Define the page structure.

  Determine what goes into the page header, body, and footer. The page header contains information that appears at the top of each page. The page body contains information that starts on the first instance of the page. If there is too much data to fit on a single page, it continues across all instances of the page. The page footer contains information that appears at the bottom of each page.
- Identify horizontal bands of information.

  Look for natural bands of information running across the page. Each of these bands typically translates into a block.
- Identify vertical bands of information.

  In each horizontal band of information, look for bands that run up and down the page. Each of these bands typically translates into table cells.
- Decide which data frames to use to lay out the data.

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Choose a list, crosstab, chart, repeater, or text frame.

- Set properties at the highest level item possible.

  By setting properties at the highest level, you set them once instead of setting them for each child object. For example, if you want all text items in a report to appear in a specific font, set the font for the page.

  When setting properties for an object, click the "**Select ancestor**" icon ( ) in the Properties pane title bar to see the different levels available.

- Use padding and margins to create white space.

  Do not use fixed object sizing unless it is absolutely necessary. When you specify that an object has a fixed size, your layout becomes less flexible.

### 8.2.1.1 The Function of the page structure view

When you add objects to a report, you usually work in the layout. An alternative view of the report is available. To view the report in a different way, select at the right of the top Page design and then click "**Page structure**".

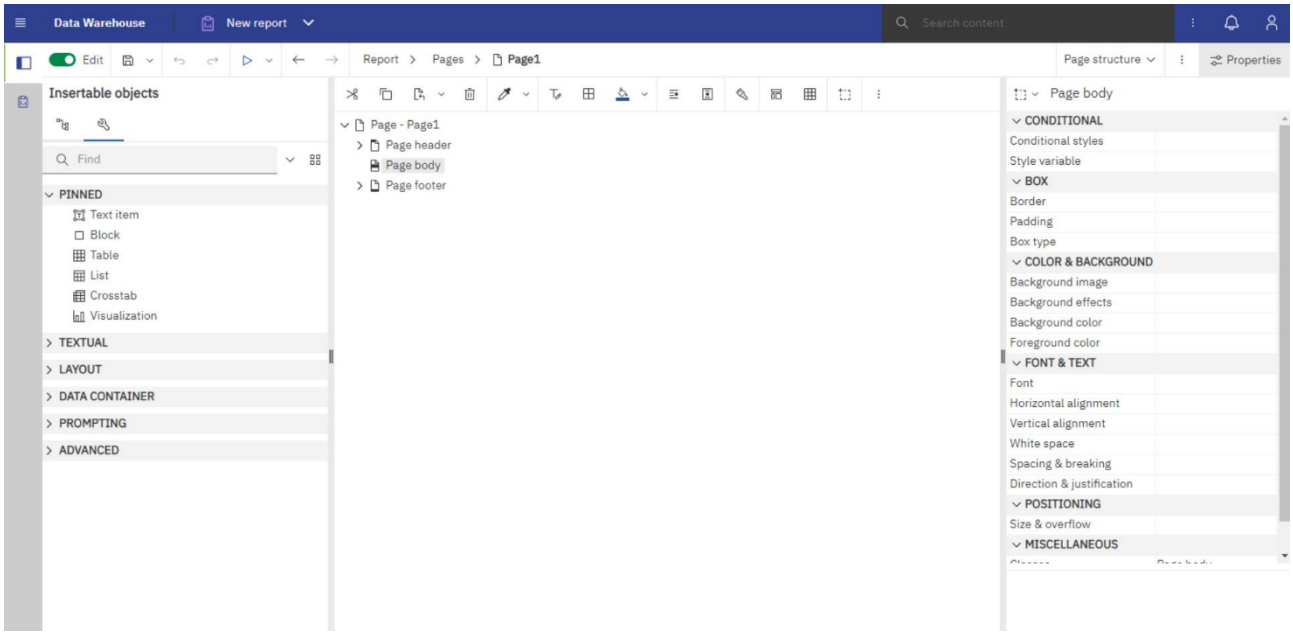



**Figure 478: The user interface - Report Layout, queries and objects - Layout - Page structure**

Use the page structure view to view the entire contents of a report page in a tree structure. Using a tree structure is useful for locating the objects in a page and troubleshooting problems with nested objects.

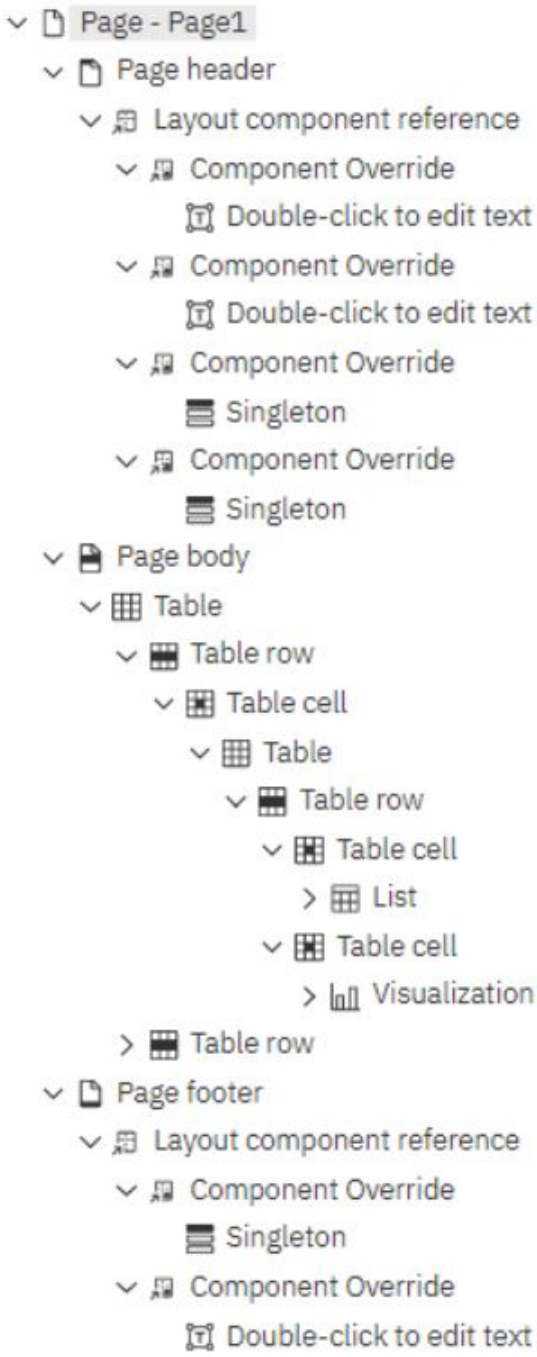



**Figure 479: The Function of the page structure view**

Use the “**Page structure**” view:

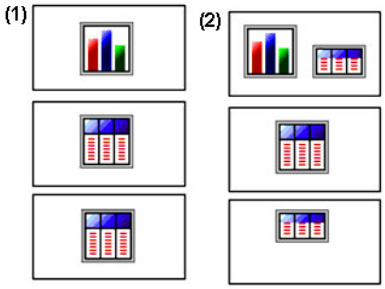
- To quickly move objects from one area of a page to another. If you have a complex layout, it may be difficult to select, cut, and paste objects in the layout view. Objects are easier to locate in the “**Page structure**” view.
- When you want to modify object properties, you can navigate to the layout or in the “**Page structure**” view. To switch back to the report layout, select “**Page design**” at the right of the top.

### 8.2.1.2 Pages

Pages are containers for the layout objects that you use to build a report. A page is made up of the following mandatory and optional components:

- page header (optional)
- page body (mandatory)
- page footer (optional)

When you run a report, the amount of data queried often exceeds one page. As a result, a page will repeat until all the data is shown. You have control over how data flows from one page to the next. For example, here are alternative representations of a report that contains a chart and a lengthy list.




1. The chart appears on its own page. The list begins on the next page and fills subsequent pages until all rows appear.

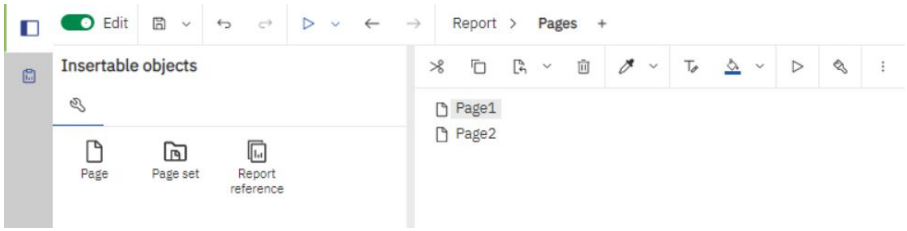



**Figure 480: Report Layout, queries and objects - Pages**

It is necessarily to create two pages for this approach.

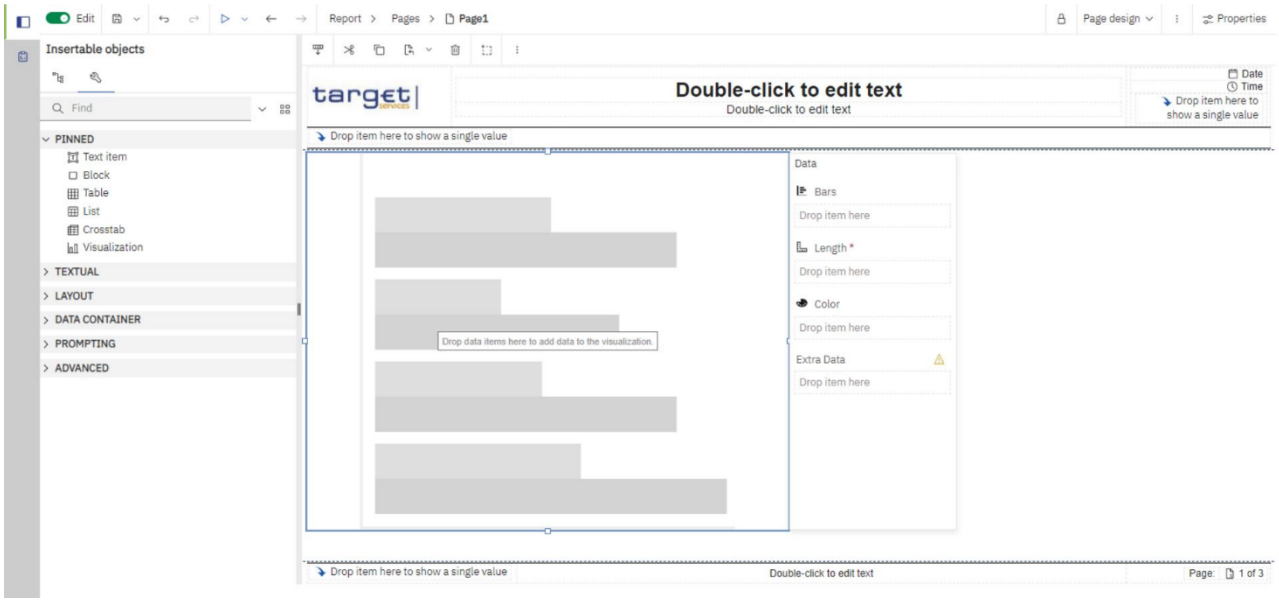



**Figure 481: Report Layout, queries and objects - Pages - First page**

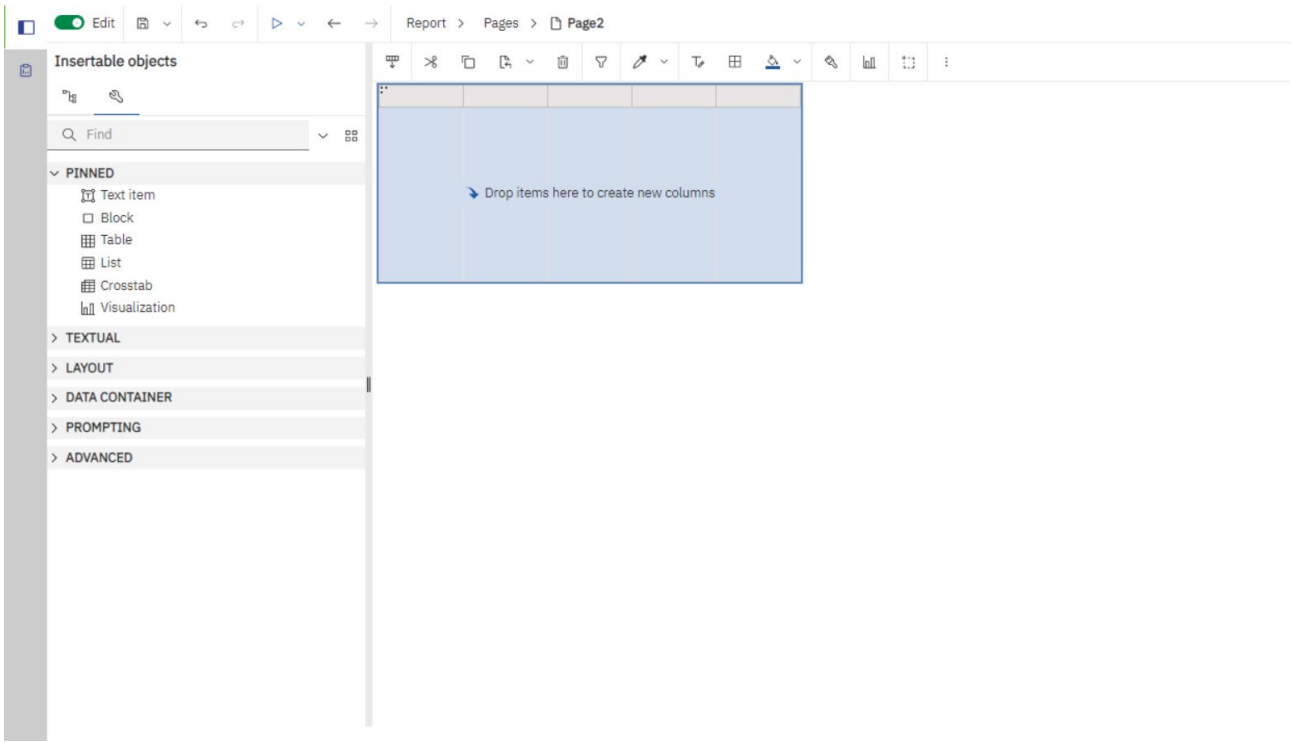



**Figure 482: Report Layout, queries and objects - Pages - Second page**

2. The chart and the first few rows of the list appear on the first page. The rest of the data in the list appears on the subsequent pages.

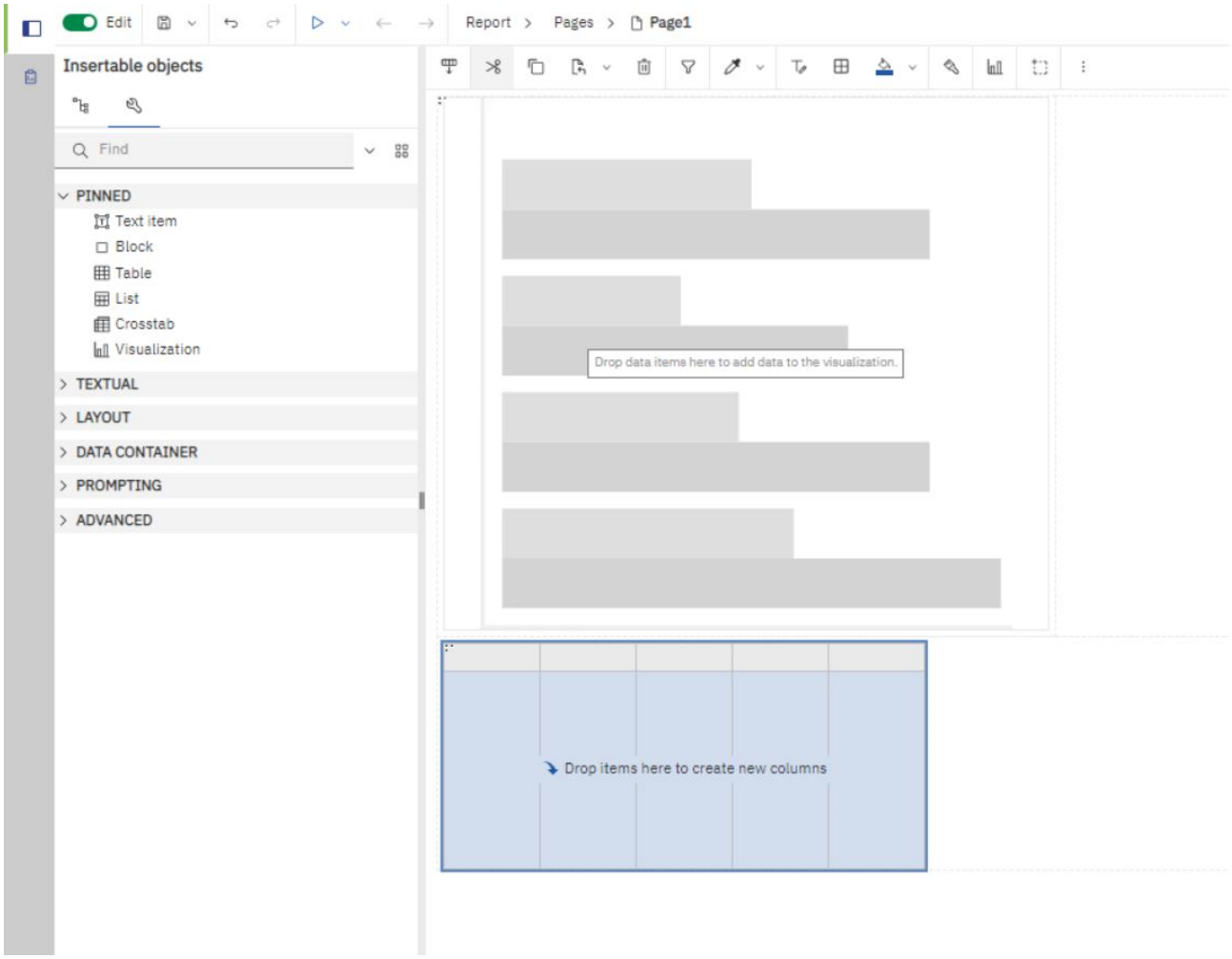



**Figure 483: Report Layout, queries and objects - Pages - Chart and first rows of the table on the first page**

### 8.2.1.3 Guided Report Layout

Guided report layout helps you to create a report layout more quickly and dynamically by simplifying the process of adding objects to the canvas.

Here are some of the features of guided report layout:

- Visual indicators that show you where an object is going to be placed before you drop it on to the canvas.
- When you drag a measure on to the canvas, you get a summarized text item with a descriptive la-bel and formatting.
- When you drag a column that is not a measure on to the canvas, you get a list with a descriptive title.
- You can place objects on the left, in the middle, right, top, or bottom of a container with one gesture.
- Tables use percentage sizing which ensures that different screen resolutions are supported.
- You can resize an object by dragging one of its grippers.
- You cannot drop a crosstab space object on to the canvas.

Guided report layout is enabled by default for the benefit of users that are new to report authoring. If you prefer not to use guided report layout, you can disable it.

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1. Click on the “**More**” icon ( ⋮ ), click on “**Options**” icon ( Options... ), and then click on the Report tab.

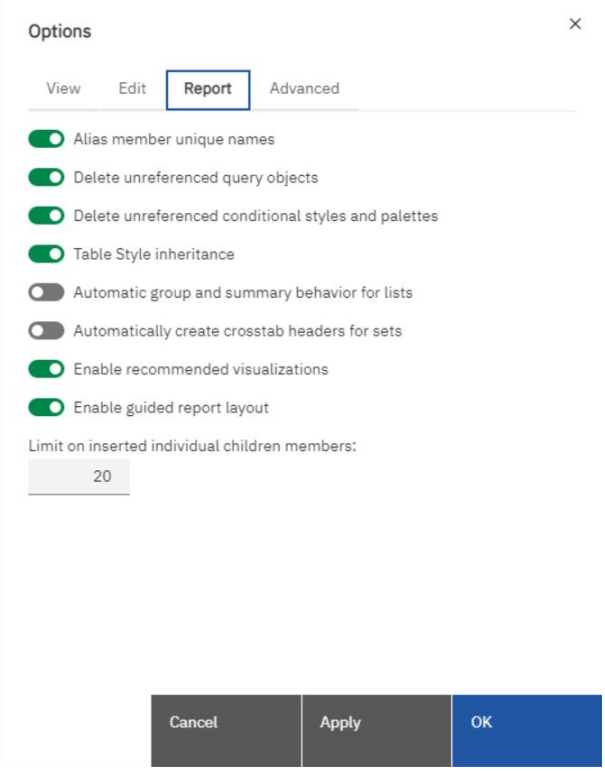



**Figure 484: Guided Report Layout - More icon - Options - Report**

2. Clear the Enable guided report layout check box.

3. Click OK.

The "**Apply**" button is present in every pop up window next to the "**OK**" button. It serves as a preview. When the user wants to make any change and see the outcome step by step, can click the "**Apply**" button to see the effect the change has made to the result and when the result is the expected, click on "**OK**" button.

### 8.2.1.4 Specify the font for a report

You can specify the font for text in a report.

**Procedure**

Click the object.

To specify the default font for the report, click the page.

Do one of the following:

From the report object toolbar, click the “**Font**” icon and then specify the font properties.



In the Properties pane, double-click the “**Font**” property and specify the font properties.

To specify the colour of the text, from the report object toolbar, click the “**Font**” icon, and then click Foreground colour. Alternatively, you can specify the colour of the text by clicking the Foreground colour property for the object.

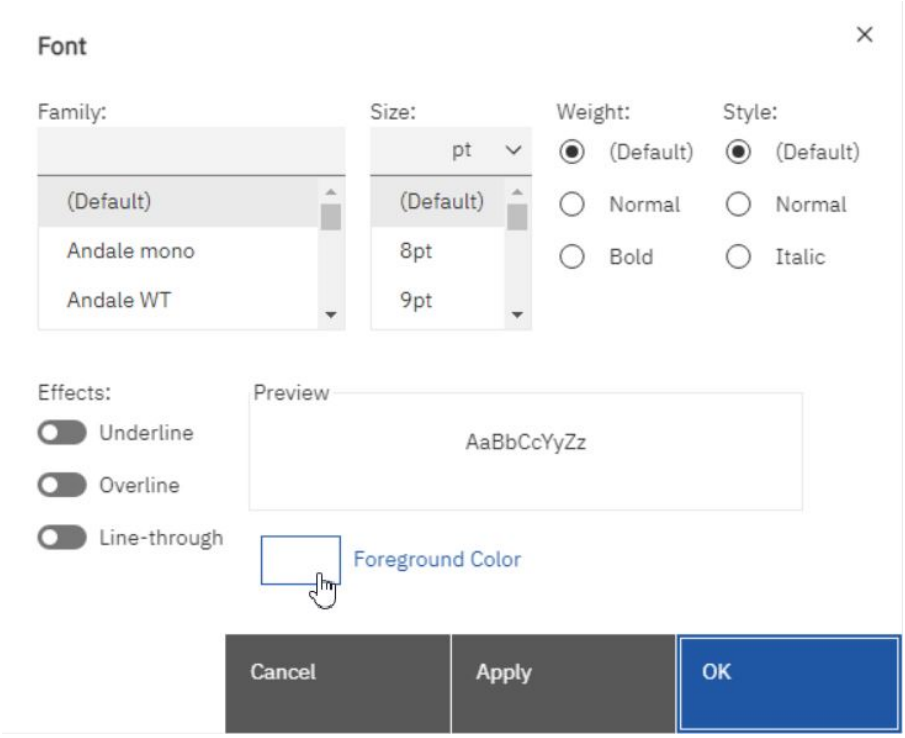



**Figure 485: Specify the font for a report - Font icon - Foreground Color**

Type a list of fonts in the Family box if you are not sure whether a specific font is installed on a user's computer. For example, if you type Times New Roman, Arial, monospace, The Reportstudio checks to see if Times New Roman is installed. If it is not, Reporting checks for Arial. If Arial is not installed, the mono-space font used by the computer is used.

If you clicked “**Default**” for any of the font properties, the default value for the property is used. Default values are stored in a style sheet that is used across all DWH tools. You can modify default values by modifying classes.

## 8.2.2 Queries

Queries determine what data items appear in the report. Sometimes you want detailed rows of data, which you obtain by using a simple SELECT statement. Other times you must calculate totals or averages using summary functions and grouped columns or must apply filters to show only the data you want.

DWH - Reporting automatically creates the queries you need as you build reports. However, you can modify these queries or create your own custom queries to get the results you want.

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The Queries are depending on the templates and the package you have selected when you are creating a report. Here is an Example how the query looks if you selected “**Eurosystem2**” in the templates of the report.

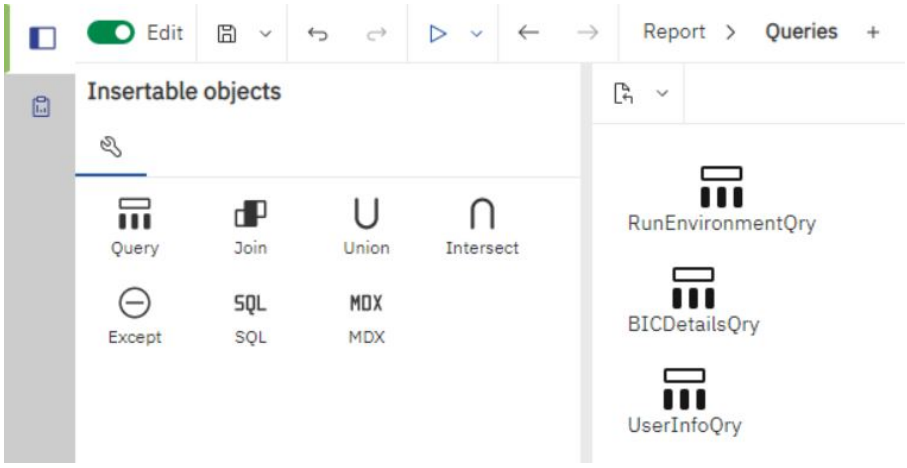



**Figure 486: Queries - Query example of Eurosystem2 template**

## 8.2.3 Report objects

You build reports by adding objects and manipulating them to obtain the results you want. To understand how to work with objects in DWH - Reporting, you must be familiar with the following concepts:

**Objects as containers**

Objects, such as tables, blocks, and any report frame, are containers in which you can insert other objects. For example, you can insert a list in one cell of a table and a chart in another.

You can also nest objects to create a sophisticated layout. For example, you can insert a map and a list in a cell of table.

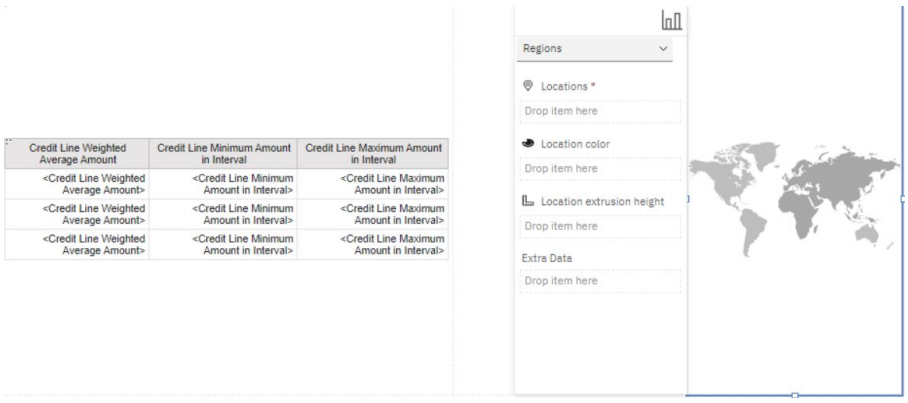



**Figure 487: Report objects - Insert map and list in a cell of table**

**Locking and unlocking objects**

To manipulate the contents of some objects, you must first unlock the object. For example, you have a list that contains the column “**Product Name**”. You want to insert a graphic inside the “**Product Name**” column to show an image of each product. Unlock the list to insert the image object inside a list column.

To unlock a report, click the “**Lock**” icon (  ) in the application bar. All layout objects in a report are unlocked. Note that this setting is not saved with the report.

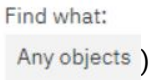
**Hierarchy of objects**

In DWH - Reporting, objects are organized hierarchically. For example, a list contains list columns, and each list column contains a text item, which is the name of the inserted data item.

The hierarchy of objects is useful to remember when you apply formatting because formatting is applied to the child objects of the object. For example, you can specify that all list column titles in a list have red as the background colour. The formatting is automatically applied to any new columns you add to the list be-cause the formatting is applied to the list and is therefore applied to the objects in the list. If you apply for-matting to a specific object, it will override the same formatting specified for the parent object.

**Searching**

You can quickly locate specific objects in a report by using “**Find**”:

- Click the “**More**” icon (  ).
- Click “**Find**” (  ).
- Click “**Find what**” (  ) and choose the type of object to find.
- In the “**Options**” (  ) box, specify the search criteria.

For example, if you want to find the objects that reference a specific data item, you must specify the query that contains the data item and the data item name.

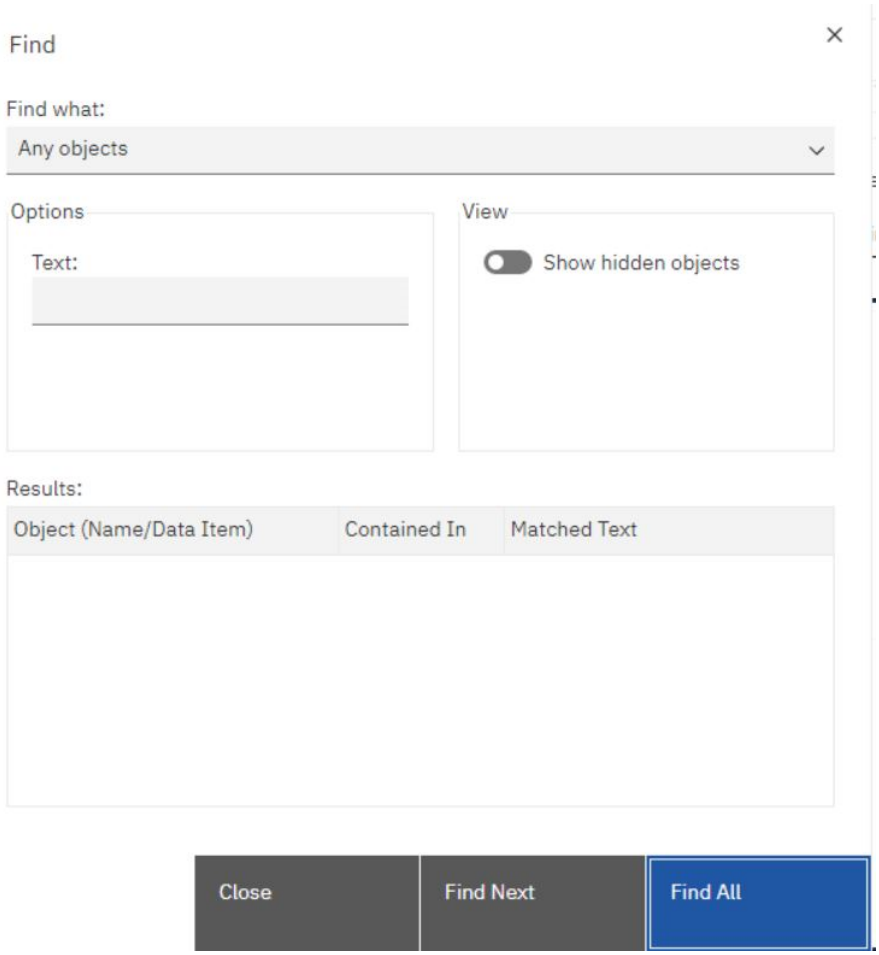



**Figure 488: Report objects - Find - Find objects in the query**

- To search for objects that are hidden in the report, in the "**View**" box ( Show hidden objects ), select the Show hidden objects check box.
- Click "**Find All**" ( Find All ) or "**Find Next**" ( Find Next ).

All objects that meet the search criteria are listed under "**Results**"( Results: ). The first object that meets the search criteria is highlighted in the list. Continue clicking "**Find Next**"( Find Next ) to show all other objects that meet the search criteria.

In some cases, such as searching for a data item that is used to define a conditional style, the Report Studio cannot directly select the object in the report. Instead, Reporting selects the object that uses the object for which you are searching.

### 8.2.3.1 Mostly Used Objects

You add layout objects to a page when you create a report. Below are objects that you will use often when building reports in DWH - Reporting:

- **List**

Add a list to show data in rows and columns.

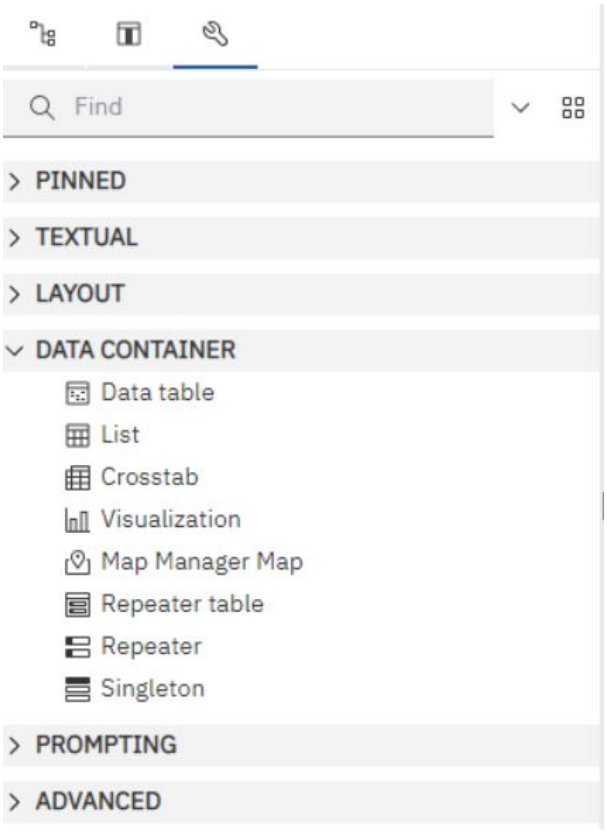



**Figure 489: Report objects - Mostly Used Objects - Data container - List**

- **Crosstab**

  Add a crosstab to show data in a grid with dimensions along the rows and columns and measures in the cells or intersection points. (see list)
- **Chart or Visualization** (see list)
- **Map**

  (see list)
- **Repeater**

  Add a repeater to show each instance of a certain column or data item in a separate frame. (see List)
- **Text**

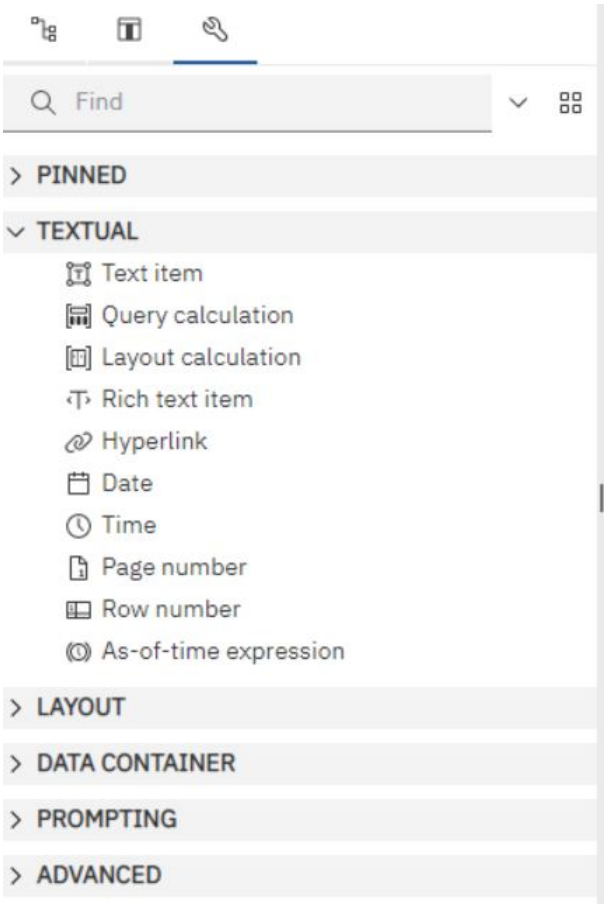



**Figure 490: Report objects - Mostly Used Objects - Textual**

### Block

Add a block to hold text or other information. Blocks are often used to lay out horizontal bands of information.

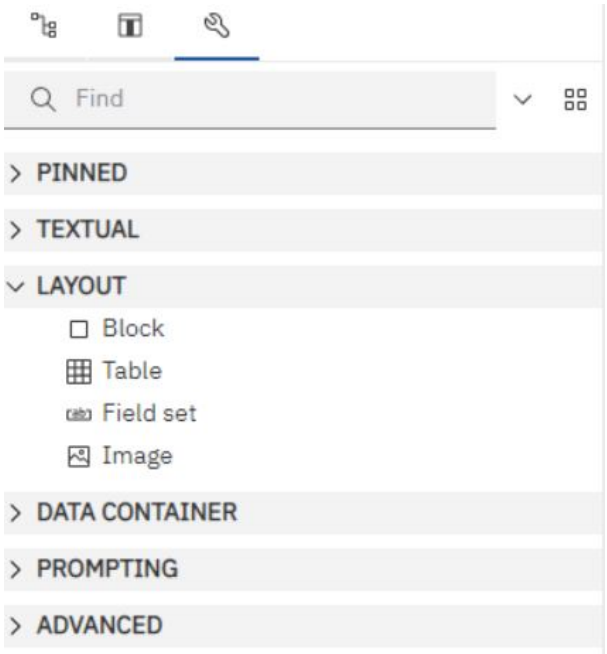



**Figure 491: Report objects - Mostly Used Objects - Layout**

(See Block)

### 8.2.3.2 Copy object formatting

You can quickly copy the formatting of items in your report, such as fonts, colours, borders, and number formats, and apply that formatting to other items.

- Click an item that has the formatting to copy.
- Do one of the following:
  - To copy all the formatting applied to the item, from the object toolbar, click the "**Pick up style**" icon ( ), by clicking on the down arrow to the right, click the item to format, and then click the "**Apply style**" icon ( ).
  - To copy only one of the formatting styles, click the down arrow to the right of the pick-up style button and click the style to copy. Then click the item to format and click the "**Apply style**" button ( ).
- If you want to make changes to a style that you copied, click the "**Pick-up style options**" button ( ) and click "**Edit dropper style**" ( Edit dropper style... ).

In the Style dialog box, specify basic and advanced style characteristics.

### 8.2.3.3 Add borders to a formatting object

You can add borders to objects in a report such as a column, a header, or a footer or to the whole report.

You can also add borders using the report object toolbar by clicking the "**Border**" icon ( ).

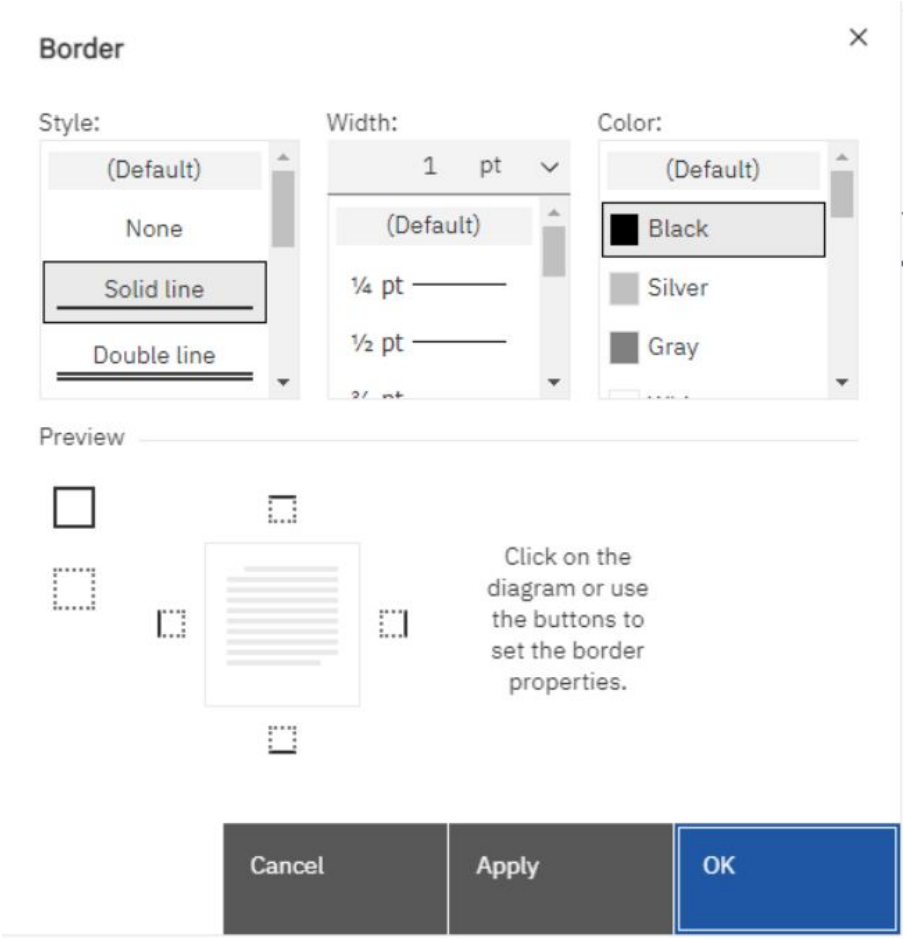



**Figure 492: Report objects - Add borders to a formatting object**

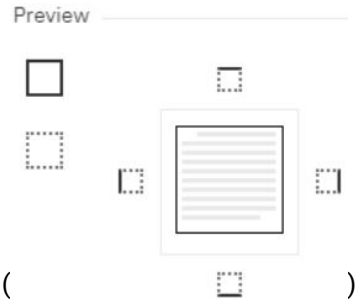
- Alternatively click on the object to which to add a border.

  To quickly select the parent of an object, click the object, and then click the "**Select ancestor**" icon select ( ) in the title bar of the Properties pane.

- In the Properties pane, double-click the "**Border**" property ( BOX Border ) and select values in the Colour, Style, and Width boxes.

  Specifying a width using % as the unit of measure is not supported when producing reports in PDF.

- Apply the selected values to the top, bottom, left side, right side, or all sides of the object by clicking the




  appropriate button in the "**Preview**" section ( ).

# 8.3 Relational and Dimensional Reporting

You can create reports in DWH - Reporting using either a relational reporting style or a dimensional reporting style.

The Reporting tools and query language are the same for both styles. However, it is important to choose a reporting style to ensure that you are making the most of your data and to avoid mixing dimensional and relational concepts.

## 8.3.1 How to choose a reporting style

When authoring a report, first choose your preferred reporting style for working with data: relational or dimensional. You can choose a reporting style from your viewpoint:

- If you think about your data as tables and columns, you have a relational viewpoint and should use a relational reporting style.
- If you think about your data as a number of dimensions intersecting at cells, you have a dimensional viewpoint and should use a dimensional reporting style.

## 8.3.2 Relational reporting style

The relational reporting style consists of lists. You focus the data with filters and summarize with header and footer summaries.

- If your data is purely relational, then only query subjects and query items appear in the "**Source**" tab ( ), and you must use the relational reporting style.
- If your data is dimensional, then dimensions appear in the "**Source**" tab ( ), and you can still use a relational reporting style, but instead of query items (columns) and query subjects (tables), you use measures, levels, and level properties.

Here is an example of relational style reporting with dimensional data.

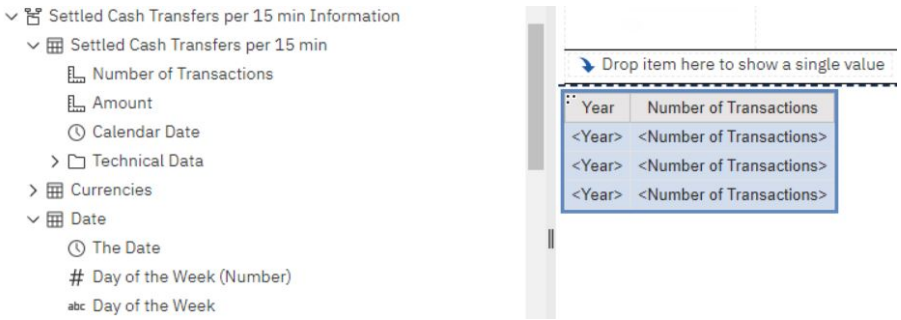



**Figure 493: Relational reporting style - Dimensional data**

## 8.3.3 Dimensional reporting style

The dimensional reporting style consists of measures and members from different hierarchies arranged in a crosstab with cell values at the intersections. You focus the data with set expressions that navigate from specific members in the hierarchy and summarize with set summaries.

Here is an example of dimensional style reporting with dimensional data.

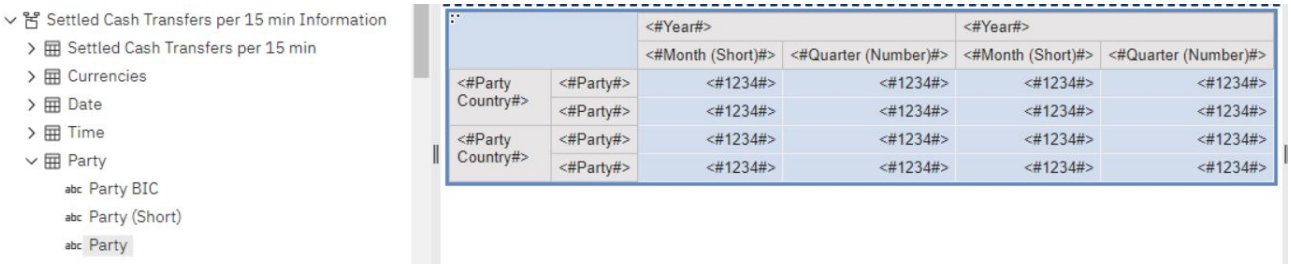



**Figure 494: Dimensional reporting style - Dimensional data (2)**

## 8.3.4 Insert a Query Calculation

When working with dimensional data, insert a query calculation into your report to add a new row or column with values that are based on a calculation. For example, you create a query calculation named Euros that converts dollars to euros by multiplying an existing dollar measure by a conversion rate. Euros can then be displayed to end users in a separate row or column.

In the Report studio you can create the following types of calculations:

Create calculated members or calculated measures where the expression is a member or a tuple-based (as opposed to property-based) value expression. For example, [2013] - [2012] is a calculated member and [Revenue] - [Planned Revenue] is a calculated measure.

Use set expressions to create calculated sets of members. For example, children ([2012]) is a set expression that displays the child members of 2012.

You must base each set expression on a hierarchy and the set expression must contain only members from this hierarchy.

Create value expressions when you want to insert a string, number, date, or interval value.

**Procedure**

- Click the "**Toolbox**" icon ( ) and drag "**Query calculation**" ( Query calculation ) to the report.

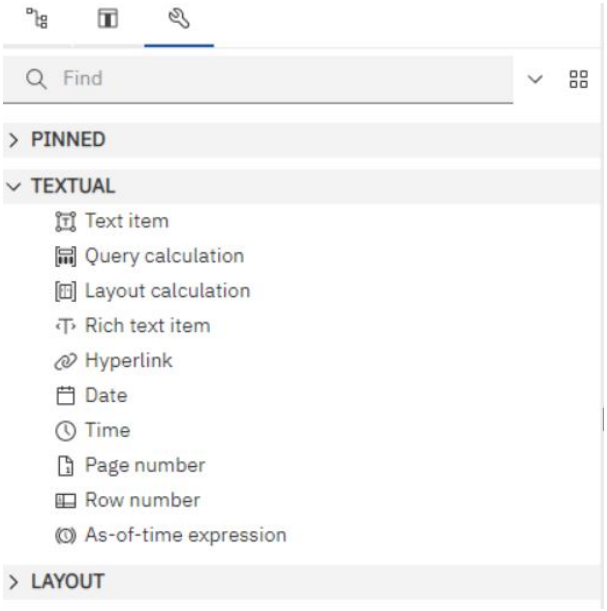



**Figure 495: Insert a Query Calculation**

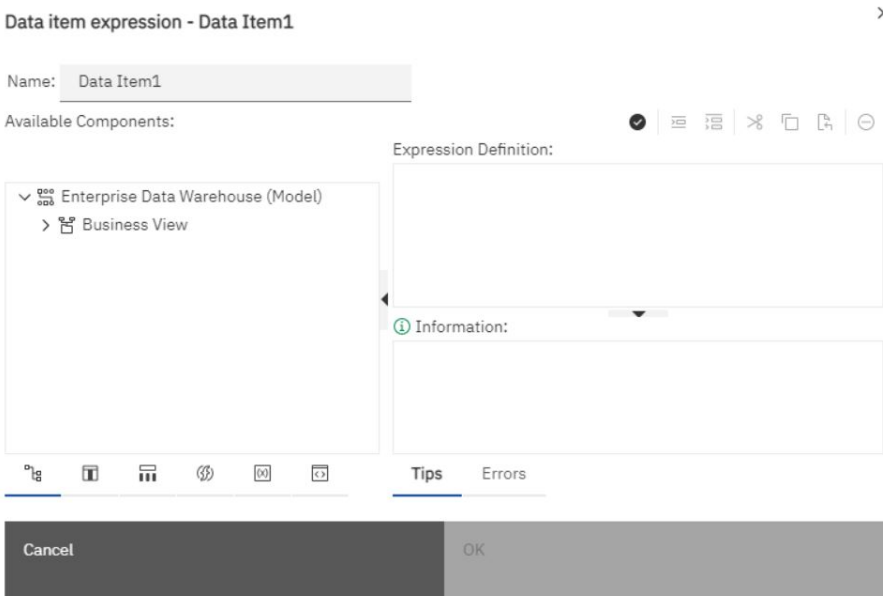
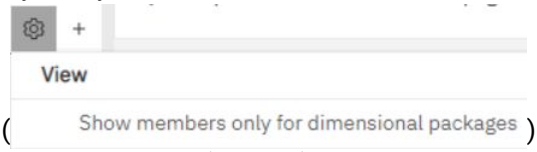
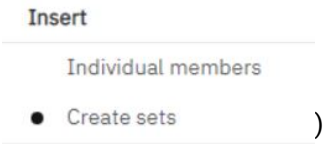



**Figure 496: Insert a Query Calculation - Specify Query Calculation**

- Click the type of calculation you want to create and if required, select the hierarchy that contains the data that is the focus of your calculation.
- In the "**Name**" box ( Name: Data Item1 ), type a meaningful name for the calculation.

  For example, if you are calculating the difference between 2012 revenue and 2011 revenue, you could name your expression 2012 - 2011 Revenue.
- In the Available Components pane, define the calculation:

1. Specify how you want to view the available data items in your data package by clicking the “**View**” button (

) and than select “**Show members only for the dimensional packages**” (left one) if you want to select only one item or the “**Insert**” button (

) if you want to select multiple items.

2. To add data items that are not shown in the report, on the “**Source**” tab (), double-click the data items.

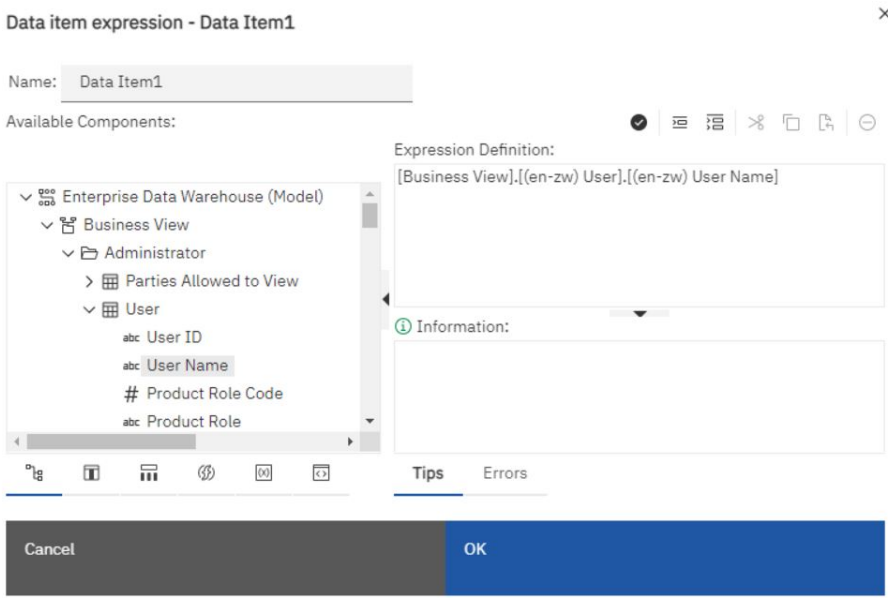



**Figure 497: Insert a Query Calculation - Specify Query Calculation - Data items**

3. To add data items that are in the report but not necessarily in the model, such as calculations, on the "**Data items**" tab ( ), double-click the data items.

4. To add data items from a specific query, on the "**Queries**" tab ( ), double-click data items. The items you will see are the items you already placed in your report.

5. To add functions, summaries, and operators, on the "**Functions**" tab (_____), double-click elements.

6. To add a value that is derived from a parameter, on the "**Parameters**" tab (_____), double-click a parameter. The items you will see are the parameters you already set in the report.

Parameters define prompts, drill-through reports, and master detail relationships.

You can also type the calculation directly in the "**Expression Definition**" ( Expression Definition: ) box.

When typing date values, ensure that the date format is correct for your database type.

To copy and paste expression components in the Expression Definition pane, you can use the "**Copy**" button copy icon and the "**Paste**" button paste icon

Click the "**Validate**" button ( ).

Any validation errors appear on the Errors tab of the Information pane.

To copy and paste expression components in the "**Expression Definition**" pane, you can use the "**Copy**" button ( ) and the "**Paste**" button ( ).

### 8.3.4.1 Functions for data items

When you insert a calculation there are a lot of functions you can do with the data. Try to use the functions that are appropriate for the selected data type. For example a percentage function only makes sense for decimal number data in contrast to the date or a text. Double-click the function to add it to the data item. When you click only one time on the function you can see the information in the information box what the function is for, an Example of the function, the Result and the correct Syntax you have to use.

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**Operators:**

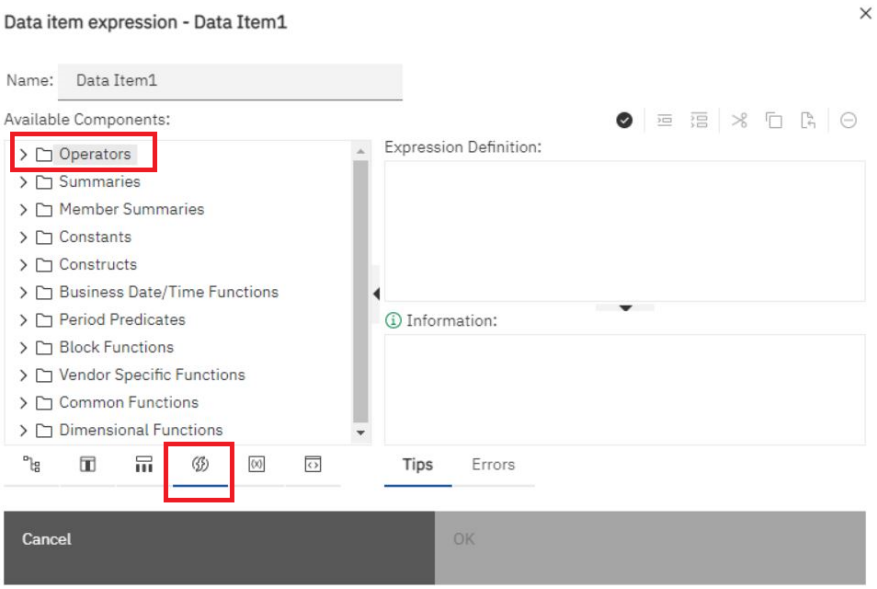



**Figure 498: Insert a Query Calculation - Operators**

In the operator functions you can add the general mathematical functions like plus, minus, for all, or a combination of it like for all ‘data item’ < 15 and > 18.

You can also find the functions “**like**” and “**contains**” that can be helpful when searching within data.

The “**like**” function can be used when searching a string within a string. Here, the percent sign (%) represents zero, one or multiple characters, and the underscore sign (_) represents any character. You can find the “**like**” function under “**Operators**” folder in “**Functions**” tab.

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**Figure 499: Insert a Query Calculation - Operators - Function tab**

In the following example we are searching for any Party that contains the string “**Ban**” in its name:

```
CASE
WHEN [(en-zw) Invoice Data Info].[(en-zw) Party Charged Name CRDM].[(en-zw) Party Short Name] like '%Ban%'
THEN 1
ELSE 0
END
```

**Figure 500: Insert a Query Calculation - Searching the string**

That is the result:

| Party (Short) | Flag |
|---|---|
| Ærø Pensionsbank | 0 |
| America First Savings & Loans | 0 |
| Aphrodite's Mutual | 0 |
| Apollon Bank | 1 |
| Ares Bank | 1 |
| Årø Land Pandebrev | 0 |
| Artemis Bank | 1 |
| Athena National Bank | 1 |
| Auslandskassenverein i.L. | 0 |
| Bågø Credit | 0 |
| Banca de Bondi | 1 |
| Banco de Isthmus | 1 |
| Banco di San Giorgio | 1 |
| Banco Português de Negócios | 1 |
| Bank of Korea | 1 |
| Bank of New England | 1 |
| Bankhaus Goldscheider | 1 |
| Bankhaus Medici | 1 |
| Banki Kiribati | 1 |
| Bankia | 1 |

**Figure 501: Insert a Query Calculation - Searching the string - Results**

In the next example the use of underscore sign (_) twice in the function like '%Ban__' returns Parties that have the string “Ban” followed by exactly two characters:

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```
CASE
WHEN [(en-zw) Parties - Cash Accounts - Other Info].[(en-zw) Parties].[(en-zw) Party (Short)] like '%Ban__%'
THEN 1
ELSE 0
END
```

**Figure 502: Insert a Query Calculation - Searching the string (2)**

That would be the result:

| Party (Short) | Flag |
|---|---|
| Ærø Pensionsbank | 0 |
| America First Savings & Loans | 0 |
| Aphrodite's Mutual | 0 |
| Apollon Bank | 0 |
| Ares Bank | 0 |
| Årø Land Pandebrev | 0 |
| Artemis Bank | 0 |
| Athena National Bank | 0 |
| Auslandskassenverein i.L. | 0 |
| Bågø Credit | 0 |
| Banca de Bondi | 1 |
| Banco de Isthmus | 1 |
| Banco di San Giorgio | 1 |
| Banco Português de Negócios | 1 |
| Bank of Korea | 1 |
| Bank of New England | 1 |
| Bankhaus Goldscheider | 1 |
| Bankhaus Medici | 1 |
| Banki Kiribati | 1 |
| Bankia | 1 |

**Figure 503: Insert a Query Calculation - Searching the string - Results (2)**

You can find tips about this function in the “**Tips**” tab in the expression definition window:

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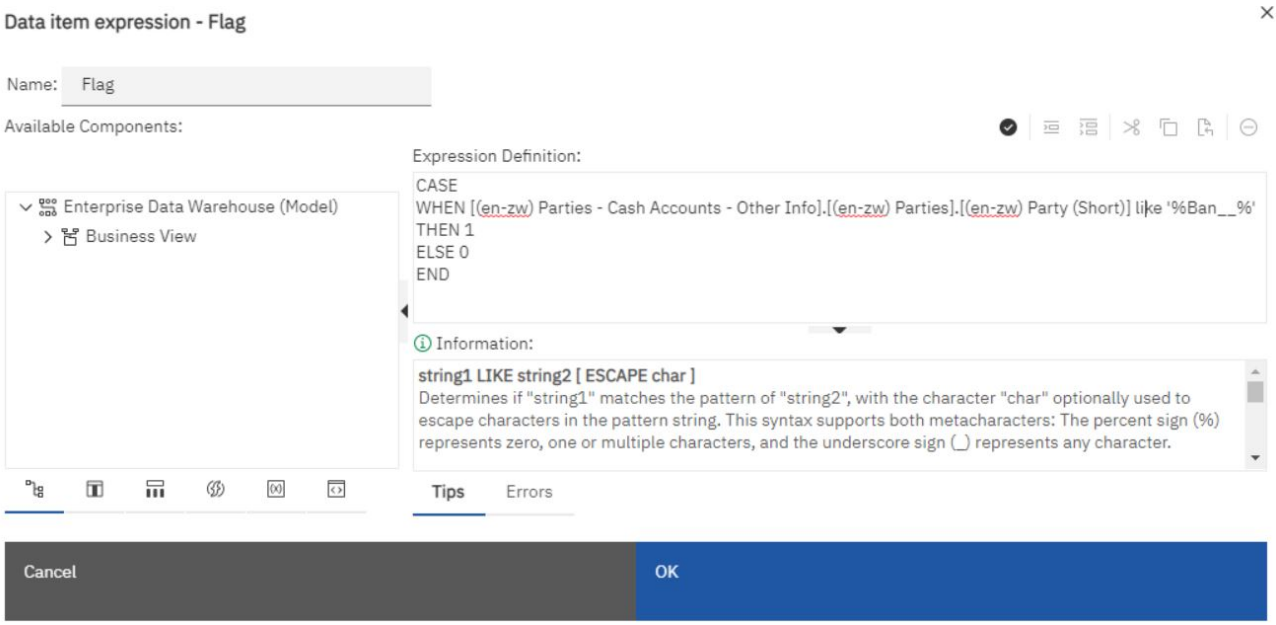



**Figure 504: Insert a Query Calculation - Data item expression - Tips tab – Information**

The “**contain**” function, can also be found under “**Operators**” folder in “**Functions**” tab:




**Figure 505: Insert a Query Calculation - Operators**

This function determines if a string exists in a string, but in a different context than the “**like**” function. In the following example we are looking for any Party that has the string “**Ban**” in its name:

```
CASE
WHEN [(en-zw) Parties - Cash Accounts - Other Info].[(en-zw) Parties].[(en-zw) Party (Short)] contains 'Ban'
THEN 1
ELSE 0
END
```

**Figure 506: Insert a Query Calculation - Searching the string - Different context than the “like” function**

That would be the result:

| Party (Short) | Flag |
|---|---|
| Ærø Pensionsbank | 0 |
| America First Savings & Loans | 0 |
| Aphrodite's Mutual | 0 |
| Apollon Bank | 1 |
| Ares Bank | 1 |
| Årø Land Pandebrev | 0 |
| Artemis Bank | 1 |
| Athena National Bank | 1 |
| Auslandskassenverein i.L. | 0 |
| Bågø Credit | 0 |
| Banca de Bondi | 1 |
| Banco de Isthmus | 1 |
| Banco di San Giorgio | 1 |
| Banco Português de Negócios | 1 |
| Bank of Korea | 1 |
| Bank of New England | 1 |
| Bankhaus Goldscheider | 1 |
| Bankhaus Medici | 1 |
| Banki Kiribati | 1 |
| Bankia | 1 |

**Figure 507: Insert a Query Calculation - Searching the string - Different context than the “like” function - Results**

The “**contain**” function could be useful when you wish to search for a string that could have the character “%” or “_”, by also using the term “**literal**”

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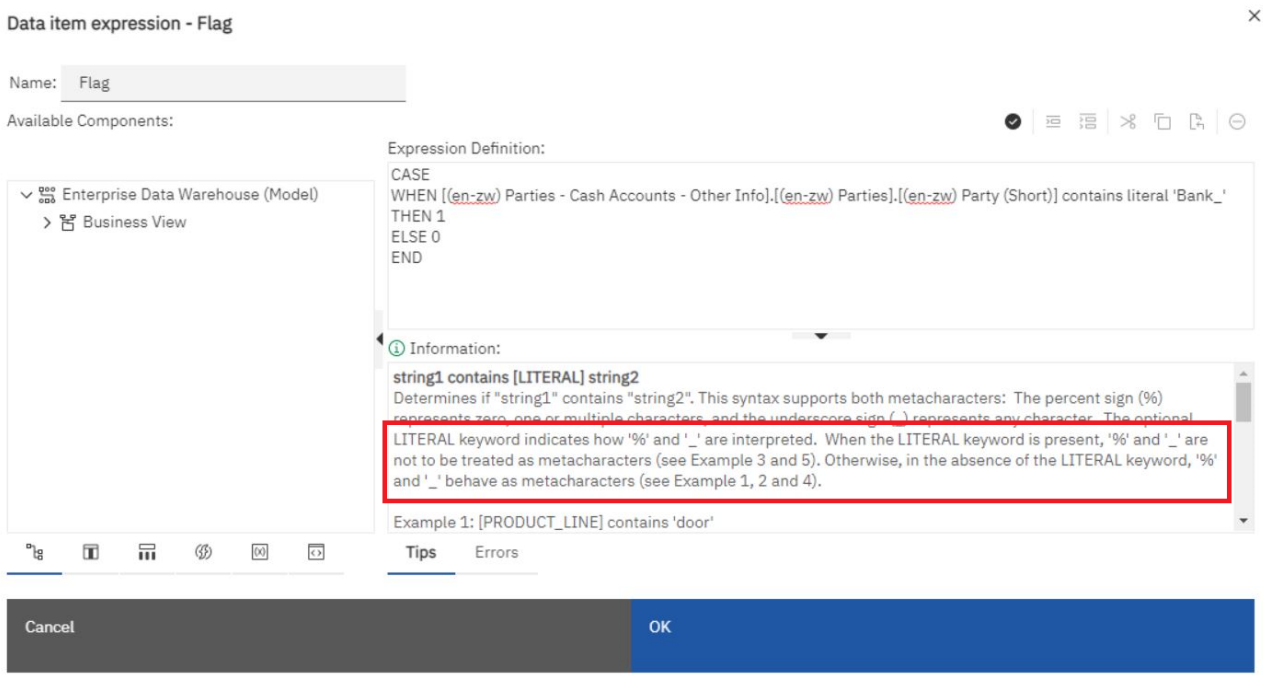



**Figure 508: Insert a Query Calculation - Data item expression - Tips tab - Information - Literal**

You can find tips about this function in the "**Tips**" tab of the expression window

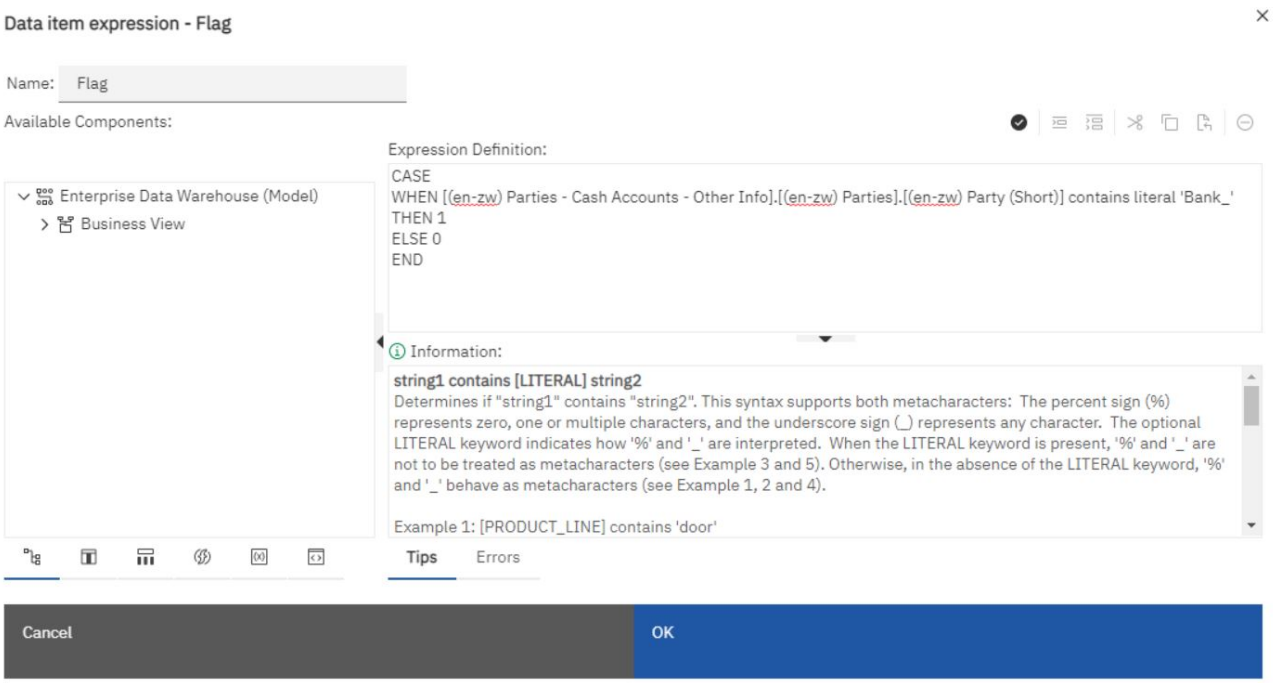



**Figure 509: Insert a Query Calculation - Data item expression - Tips tab - Information - Literal (2)**

## Summarize Functions:

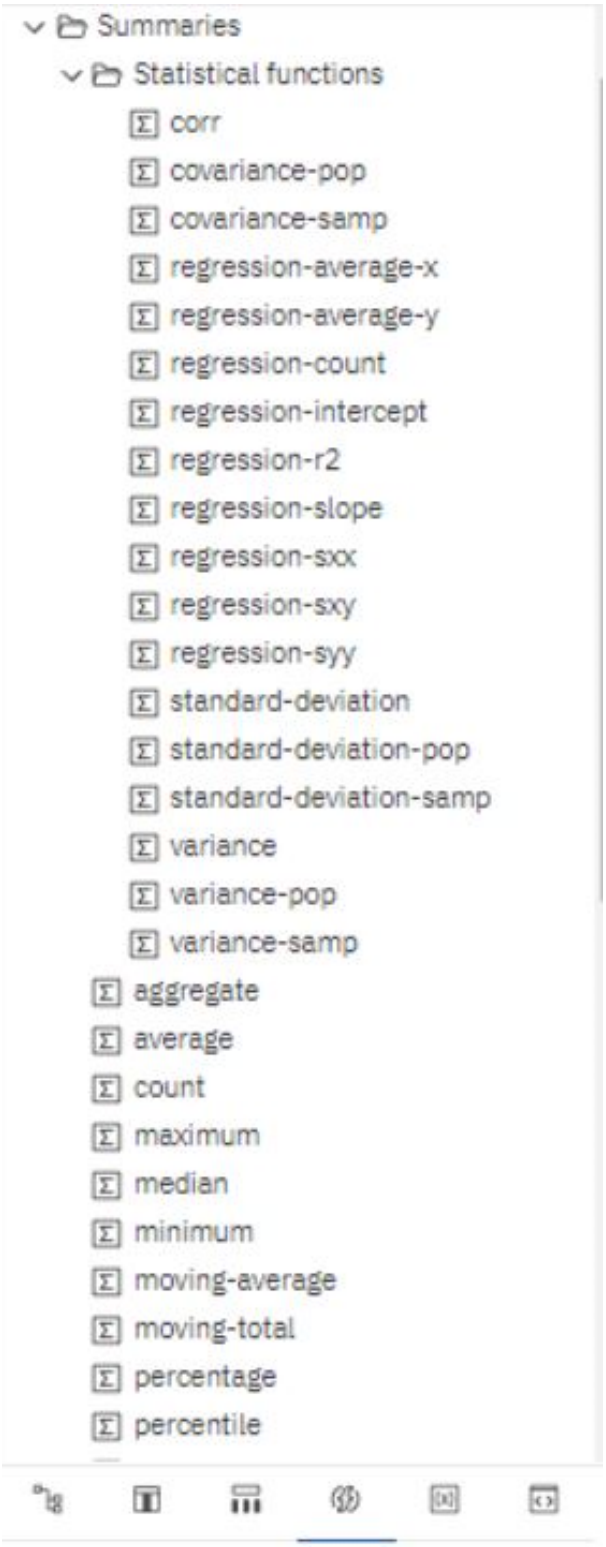



**Figure 510: Insert a Query Calculation - Summarize Functions**

The summarize function are very useful when you have a large amount of decimal data. It will help you to show the data that is more important to you.

**Member Summaries:**

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**Figure 511: Insert a Query Calculation - Member Summaries**

The member Summaries only work with dimensional data. Ask your Administrator if you do not know about the data item you like to select. If it work you can categories and summarize the whole or a part of the hierarchy of the dimensional selected item.

**Constants:**




**Figure 512: Insert a Query Calculation - Constants**

The Constant functions help you to add, as the name says, a Constant. This can be a date, time or a special Number you select if you make a double click on the function you want.

**Constructs:**

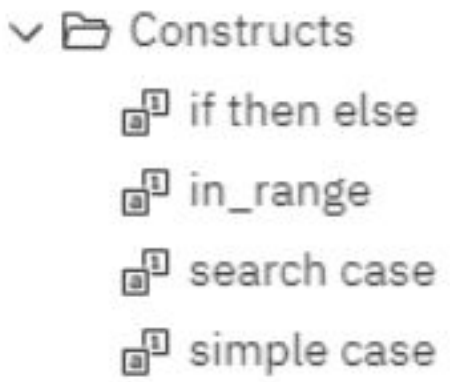



**Figure 513: Insert a Query Calculation - Constructs**

The Constructs functions are useful if you want to mark a scenario. You can select here a condition to the data item. For example you can select if then else and combine it with a Constant you want to pop up in the report. It could look like that:

If ‘NumberofTransactions’ is > 1000 then Timestamp with timezone.

**Business Date/Time functions:**

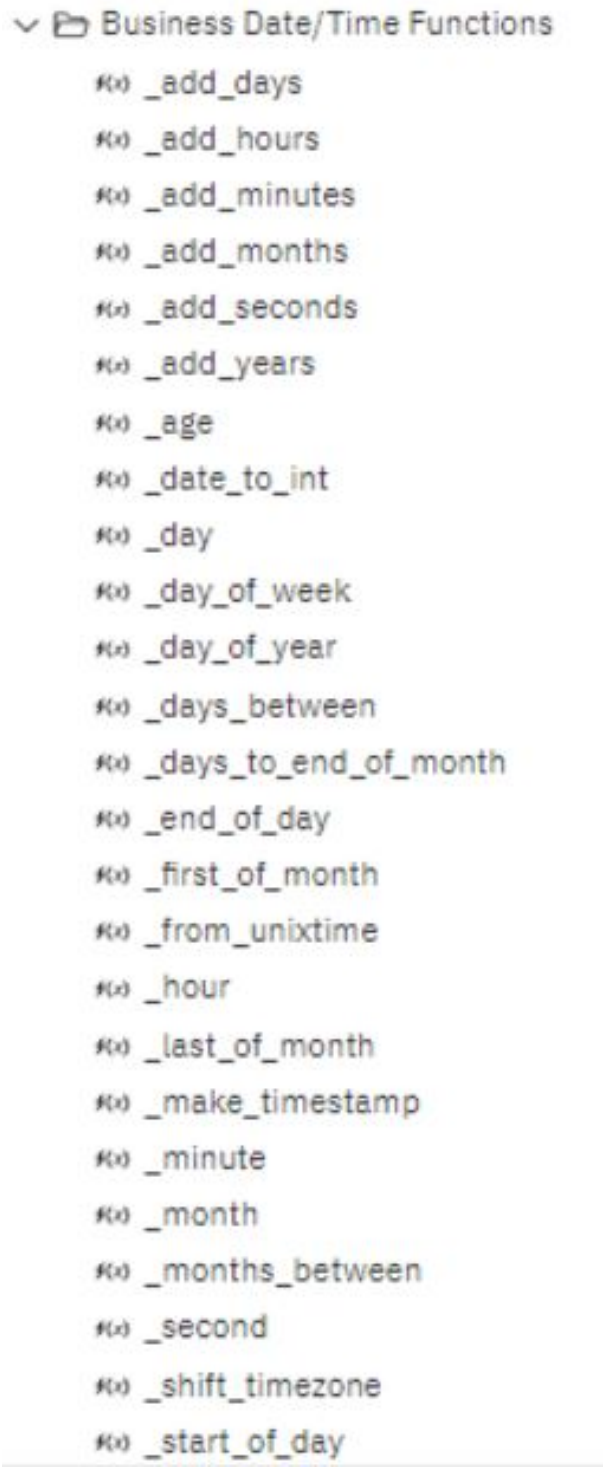



**Figure 514: Insert a Query Calculation - Business Date/Time Functions**

These functions help you to calculate time-data. Just double-click the function you need and add the data item to it.

**Period Predicates:**

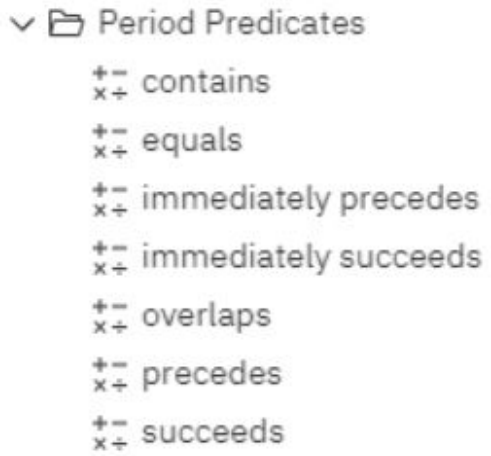



**Figure 515: Insert a Query Calculation - Period Predicates**

This functions help you to search in the data to the data item you want to highlight. You can set the function for example equal to a constant.

**Block functions:**

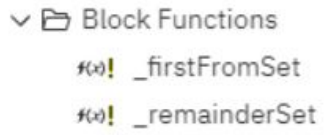



**Figure 516: Insert a Query Calculation - Block Functions**

The Block function are use full when you want to select a block of multiple data in the report. You just have to specify which data items should be marked.

**Vendor Specific functions:**

This function is not recommended for beginners. You can change the datatype into another. First of all it is necessary to know which data type the selected data item has. Do this only if really necessary. It could be that the data is not readable after adding the function to the data item.

**Common functions:**

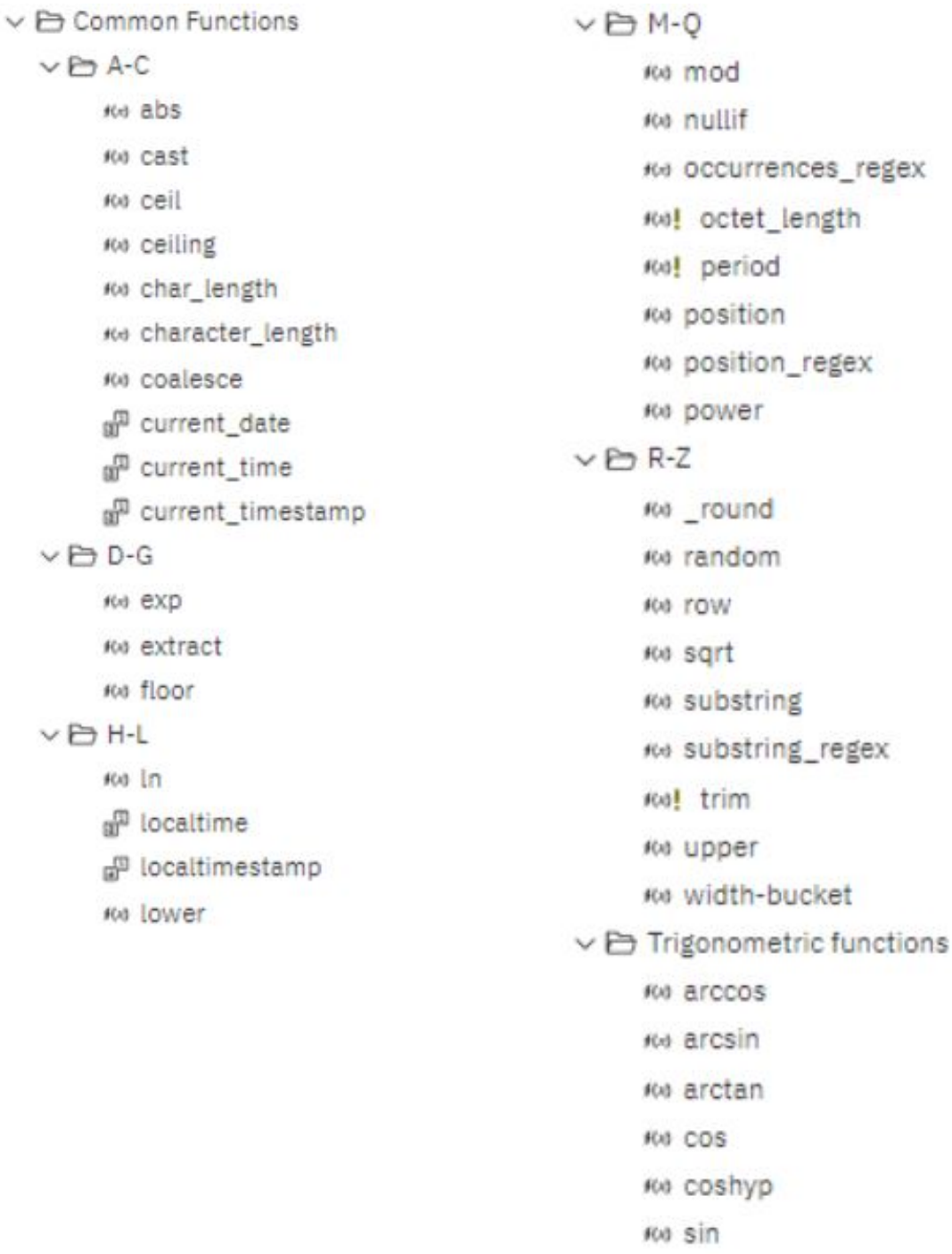



**Figure 517: Insert a Query Calculation - Common Functions**

These function are used to return a different value from the selected data item. You can return the position, the sinus, or if it is null able from the data item.

**Dimensional functions:**

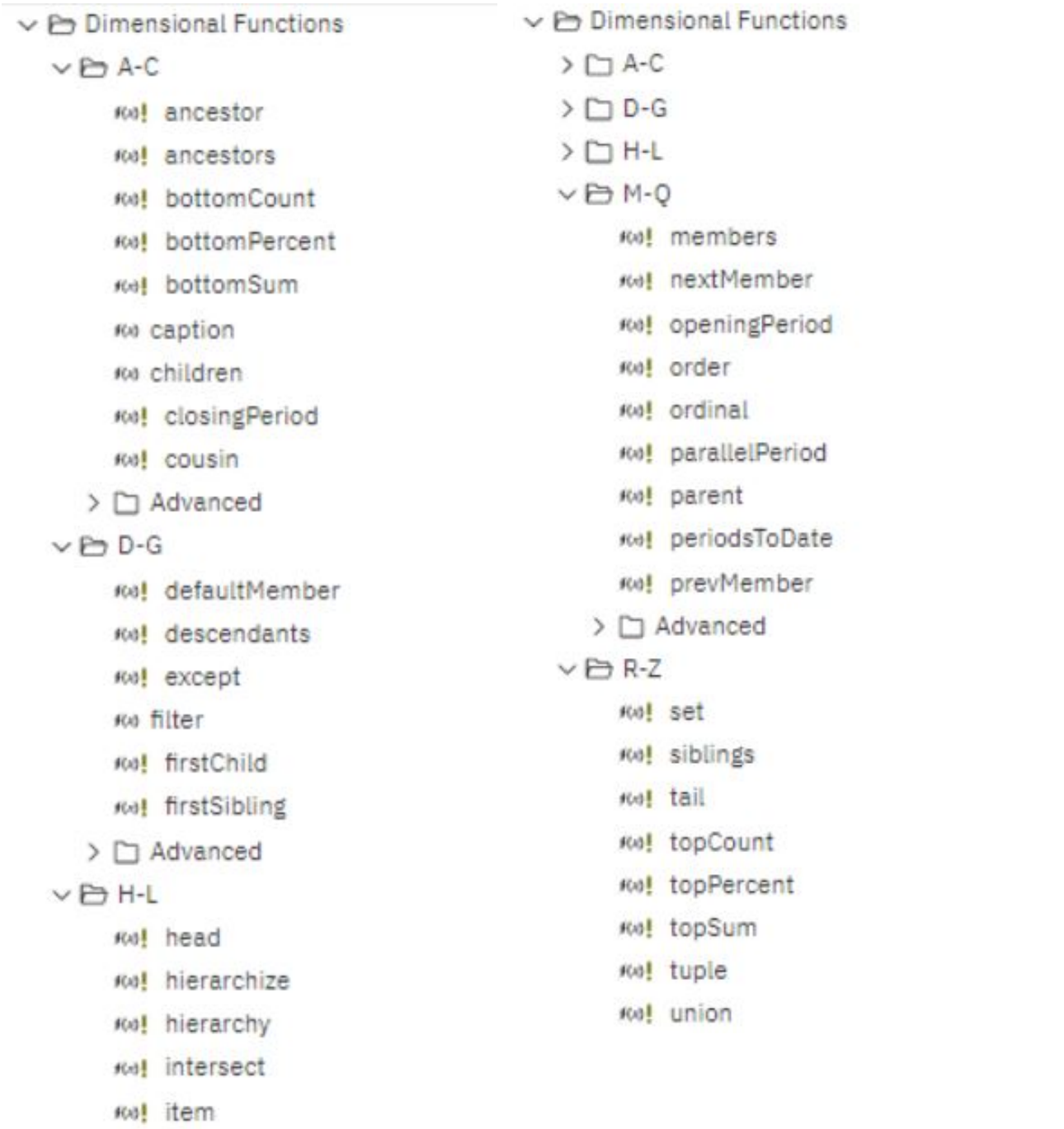


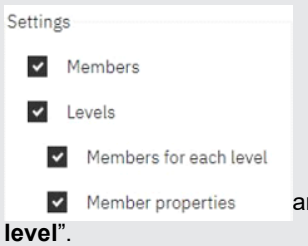
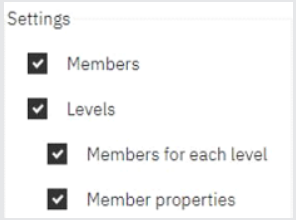
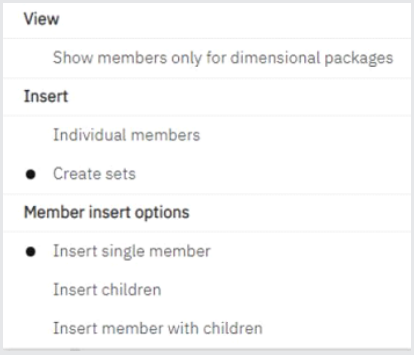

**Figure 518: Insert a Query Calculation - Dimensional Functions**

These functions are used if you want to select a “partner” of the dimensional data item. You can choose the parent the Child or the previous member next to the data item you selected. For Example the selected data item is Month and you choose in the Source of the Data item the April 2019. Then will the function return the value the parent the second quarter, the Child all Days of April and the previous member the Month March 2019.

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## 8.3.5 Guidelines for each reporting style

This user guide is divided into relational and dimensional reporting sections so that you can follow the best practices for using this product with the reporting style that you have chosen. The following table outlines the best practices for both reporting styles.

| Item | Relational reporting | Dimensional reporting |
|---|---|---|
| Report type | Lists<br>Crosstabs pivoted from lists<br>Charts created from lists<br>Maps created from scratch or from lists | Crosstabs<br>Charts created from scratch or from crosstabs<br>Maps created from scratch or from crosstabs |
| Package tree | In the “**Source**” tab ( ), click the “**Options**” icon ( ), and then click ”Show members only for dimensional package”.<br>If you are using dimensional data, hide members in the source tree by right-clicking the tree, clicking “**Package Tree Settings**” ( Package tree settings... ), and clearing the check boxes for “**Members**”<br> and “**Members for each level**”.<br><br>The view will include the following:<br>• package<br>• folder<br>• namespace<br>• query subject<br>• query item<br>• measure<br>• level | In the “**Source**” tab ( ), click the “**Options**” icon ( ), and then click ”**Show members only for dimensional package**”.<br>Ensure that the option “**Create sets**” is selected.<br><br>The view will include the following:<br>• package<br>• folder<br>• measure<br>• member<br>• named set |
| Inserting data | From the package tree, add query items or levels to the report. | From the package tree, add sets of members to the report. |

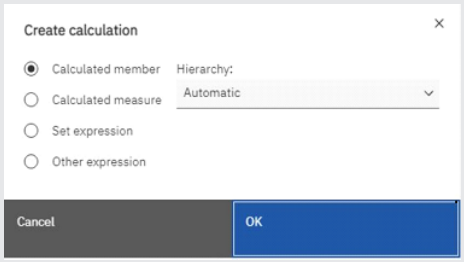
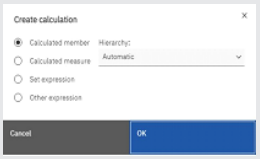
| | | |
|---|---|---|
| | Avoid using hierarchies directly in the report.<br>Avoid using named sets. | You can also choose to insert just the member, just the children of the member, or the member and its children. |
| Calculating data | Add query calculations using only relational and common constructs.<br>Choose only “**Other expression**”.<br> | Add query calculations using only dimensional and common constructs.<br>Use “**Other expression**” only for value calculations.<br>Avoid “**Common functions**”<br><br>that are marked with an exclamation mark (!) because they have limited support. |
| Summarizing data | Headers and footers in lists<br>Crosstab member summaries; for example, aggregate within detail | Member set summaries; for example, aggregate within set |
| Focusing data | Add detail or summary filters to view only the data you want to see. For example, add the “**Quarter**” query item to a list and filter by Q3. | Add only the relevant members to an edge of the crosstab or to the context filter. For example, only add the Q3 member to your report.<br>Use a set expression such as “**Topcount**” or “**Filter**”. |
| Drilling | Drilling through by value | Drilling through by member<br>Drilling up and down |
| Page and section breaks | Simple page breaks<br>Page sets<br>Sections<br>Master detail relationships using parameterized filters | Simple page breaks<br>Page sets<br>Page layers<br>Master detail relationships using parameterized edge or slicer expressions |

**Table 153: Guidelines for each reporting style**

# 8.4 Create a report

Create a report by clicking the “**Open menu**” icon ( ) and then clicking on “**New**” icon ( + New ) and “**Report**” icon ( Report ) in the DWH portal on the left side.

## 8.4.1 Templates and themes

The DWH includes several basic report templates and colour themes that you can choose from when you create a new report.

The templates and themes are stored in the Templates.zip deployment file. If you do not see the list of templates and themes when you create a new report, ask your administrator to import the deployment file into the DWH Administration. After the deployment file is imported, the templates appear in the Templates folder in Team content.

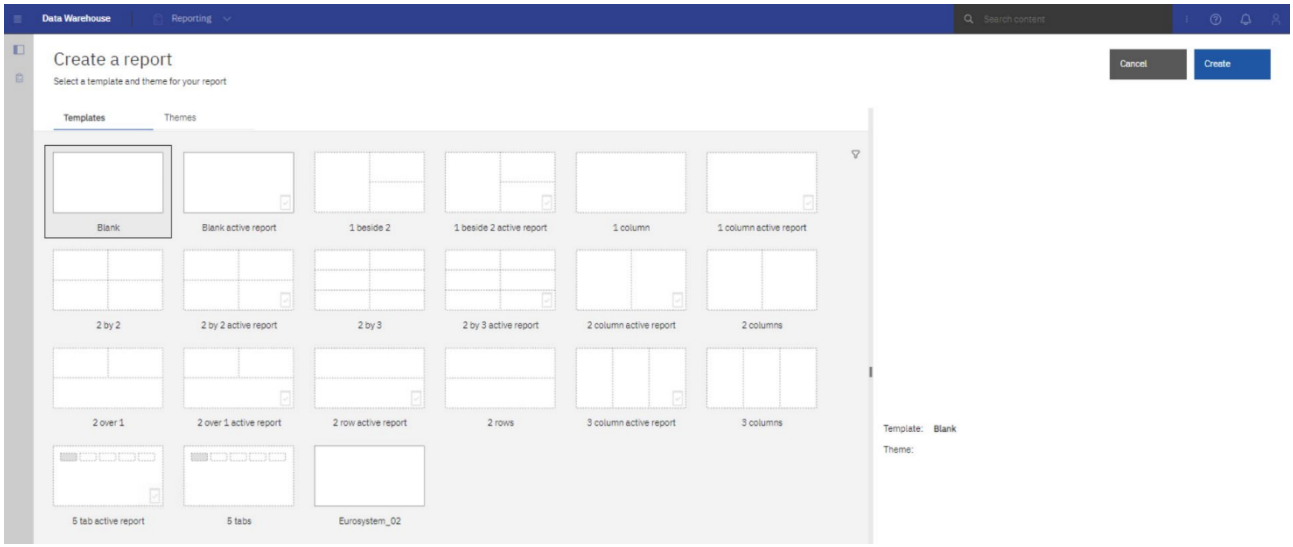



**Figure 519: Templates and themes - Templates**

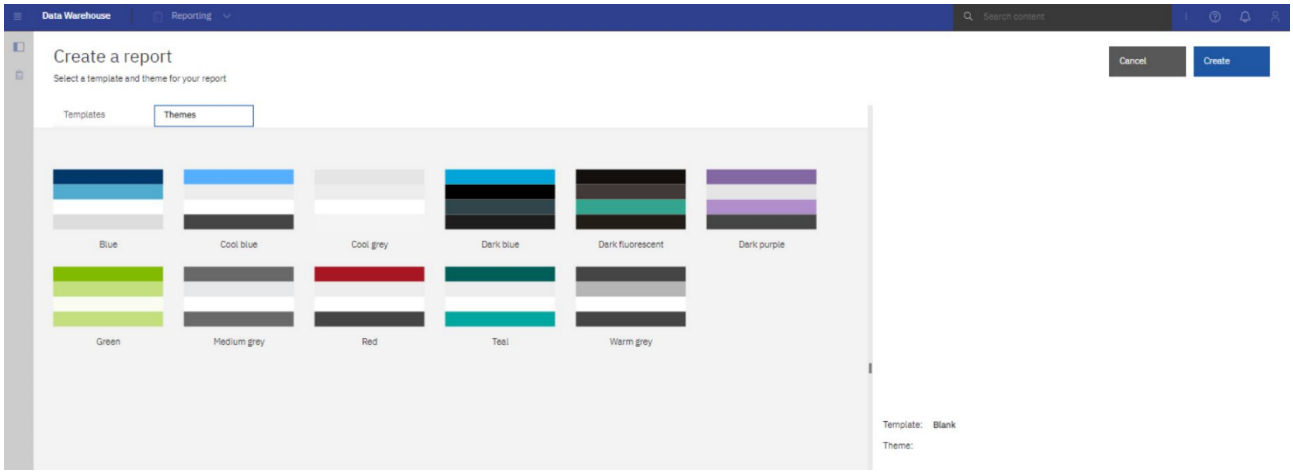



**Figure 520: Templates and themes - Themes**

## 8.4.2 Adding data

You can add data from multiple packages that use the dynamic query mode, from a single package that uses the compatible query mode, or from a single data module.

The following list provides information about authoring reports that reference multiple packages.

You must set one of the packages as the default package.

When a report is run, the DWH checks the package capabilities of the package that is used by the report. In a report that references multiple packages, package capabilities are checked only for the default package.

- A query can reference only one package.
- Query set operations (join, union, intercept, except), master detail relationships, and the Build prompt page tool are not supported.
- Drill through and external data are supported only for the default package.

Click the “**Data items**” icon ( ).

Click the “**Add a source**” icon ( + ).

Open the packages that you want or open a single data module.

If you opened multiple packages, to specify a package as the default package, right-click an item in the package and select “**Set default package**”.

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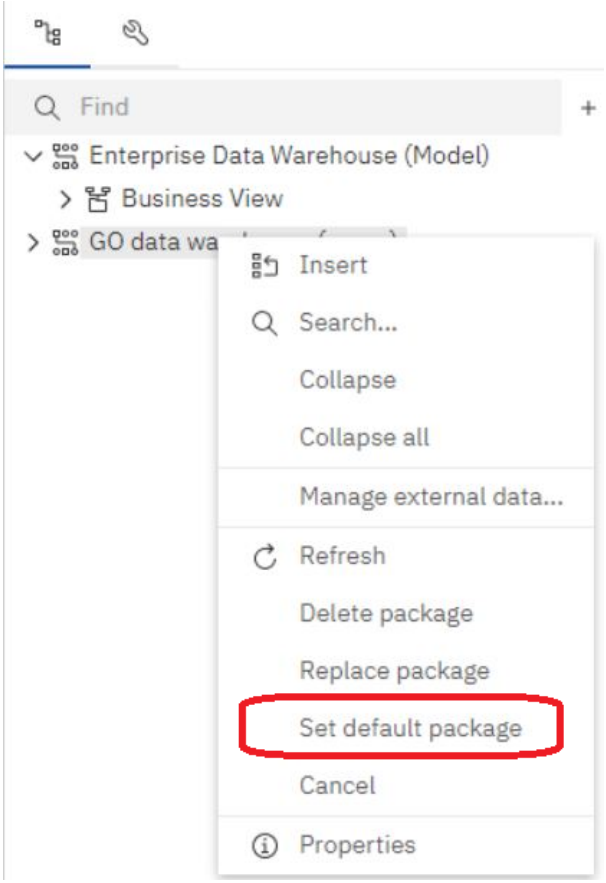



**Figure 521: Adding data - Add a source - Right click item - Set default package**

To delete a package, right-click an item in the package and select “**Delete package**”.

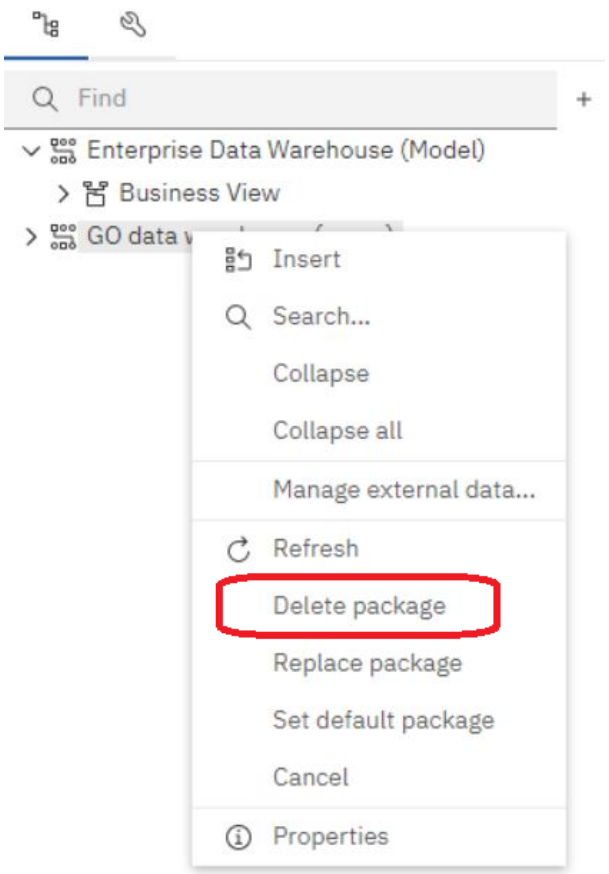



**Figure 522: Adding data - Add a source - Right click item - Delete package**

To replace a package by another package, right-click an item in the package and select “**Replace package**”.

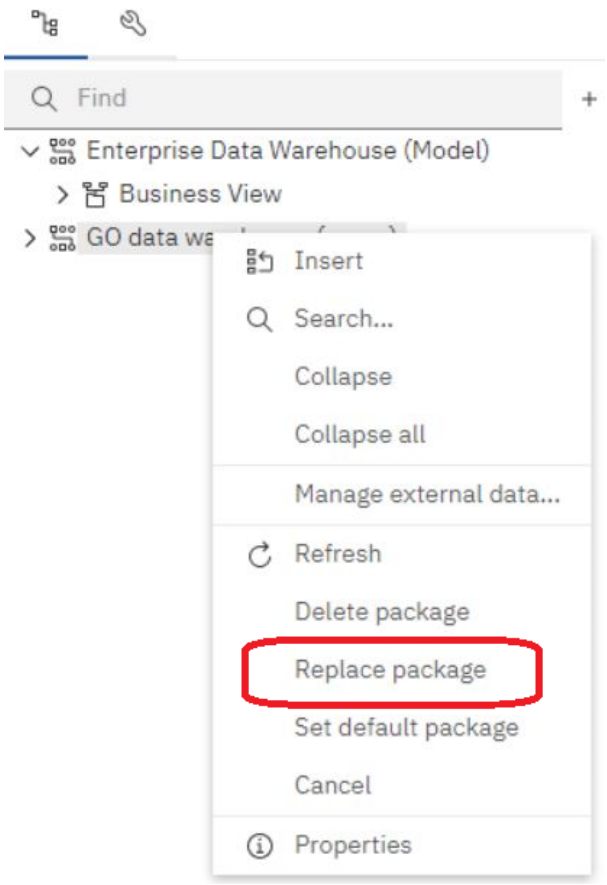



**Figure 523: Adding data - Add a source - Right click item - Replace package**

If queries exist that use the package that you are replacing, model paths in the queries are updated to the new package.

## 8.4.3 Insert a single data item

You can insert a single data item anywhere in your report using the singleton object. The singleton object retrieves only the first row value for that query. Inserting a single data item is useful when you want to show a value that is independent from the rest of the values in the report or when you want to insert some boilerplate text, such as a company name and address. For example, you can add the total revenue value in the header of each page in a report.

You can associate multiple singleton objects with a single query in relational reporting and dimensional reporting to optimize performance, such as when all the data items in the singleton are from the same database table. In addition, two or more singletons can reference data items from the same query. This is useful when using a single query is more efficient to display a set of single values than using multiple queries.

You can also filter the data item in the singleton. For example, you can show the total revenue for only the year 2012.

Queries that are associated to a singleton object are not supported when producing report output in delimited text (CSV) format.

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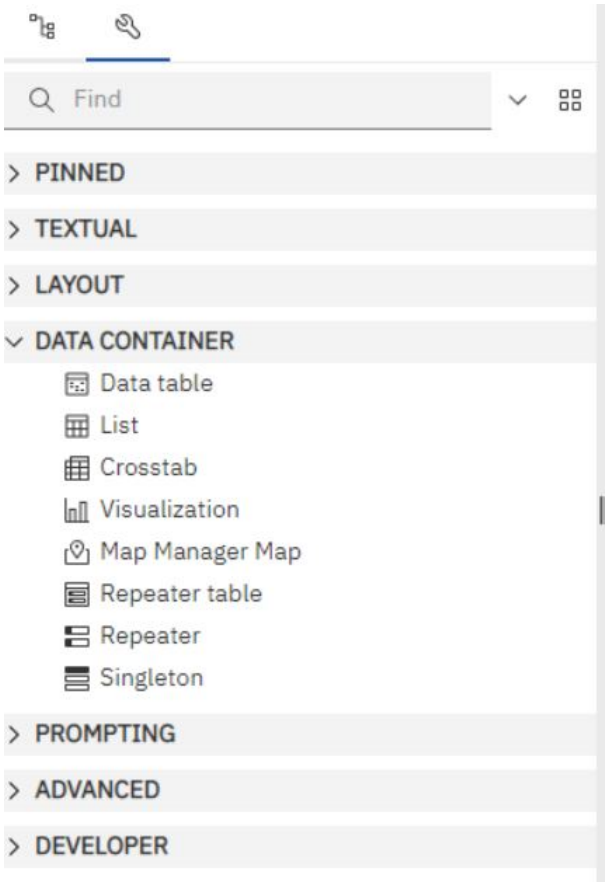



**Figure 524: Insert a single data item - Data container - Singleton**

Click the “**Toolbox**” icon ( ) and drag Singleton to the report. An empty data container is created.

Click the “**Source**” tab ( ), and drag a data item into the Singleton container.

To change the query associated to the singleton object, select the singleton, click on the “**Show properties**” icon ( Properties ) and in the Properties pane, click the down arrow at the right of the “**Query**” property and make changes ( DATA Query Query1 ).

## 8.4.4 Validate a report

Validate your report to ensure that it contains no errors. When you open a report created in a previous version, it is automatically upgraded and validated.

- Click the “**More**” icon ( ), and click “**Validate**” Report ( ).
- A message box appears indicating whether any errors were found in the report.

| Validation level | Description |
|---|---|

| | |
|---|---|
| **Error** | Retrieves all errors returned from the query |
| **Warning** | Retrieves all errors and warnings returned from the query. This is the default validation level. |
| **Key transformation** | In addition to errors and warnings, retrieves informational messages describing important transformation steps from the report specification to the native query sent to the data source.<br>These messages can show the cause of errors and warnings returned from the query. |
| **Information** | Retrieves errors, warnings, key transformations and other information related to query planning and execution. |

**Table 154: Validate a report**

- If you require more detail from the validation process, click the "**More**" icon ( ⋮ ), click the "**Validate options**" property, and do the following:
  - Click one of the following validation levels.
  - Click the right side of the "**Interactive data check**" box ( Interactive data ) to specify that no query optimization is to be used.
  - The Interactive data check box controls how queries will be processed during validation.
  - Clear the Interactive data check box to set the query property Execution optimization property to All Rows.

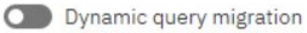
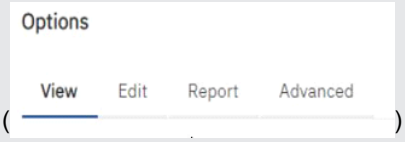
- A message box appears indicating whether any errors were found in the report.
- To view messages that result from the conversion of your report to use the dynamic query mode instead of the compatible query mode, click the right side of the "**Dynamic query migration**" check box (  ).
- Revalidate your report.



**Figure 525: Validate a report - Validate options**

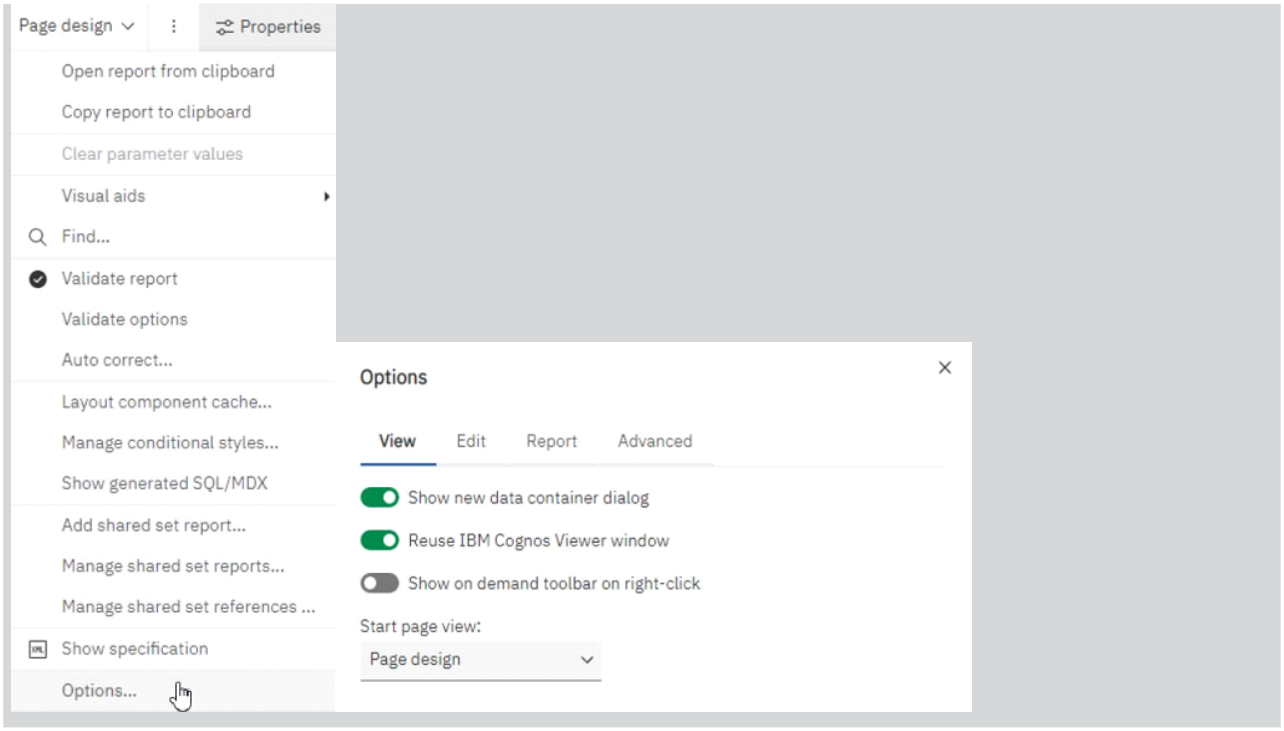
# 8.5 Options in Reporting

## 8.5.1 View Options

Table 1. Descriptions of the options on the "**View**" tab (  ) of the "**Options**" window



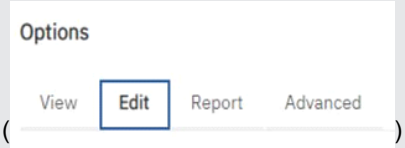
Click the "**More**" icon (  ), and click "**Options**".

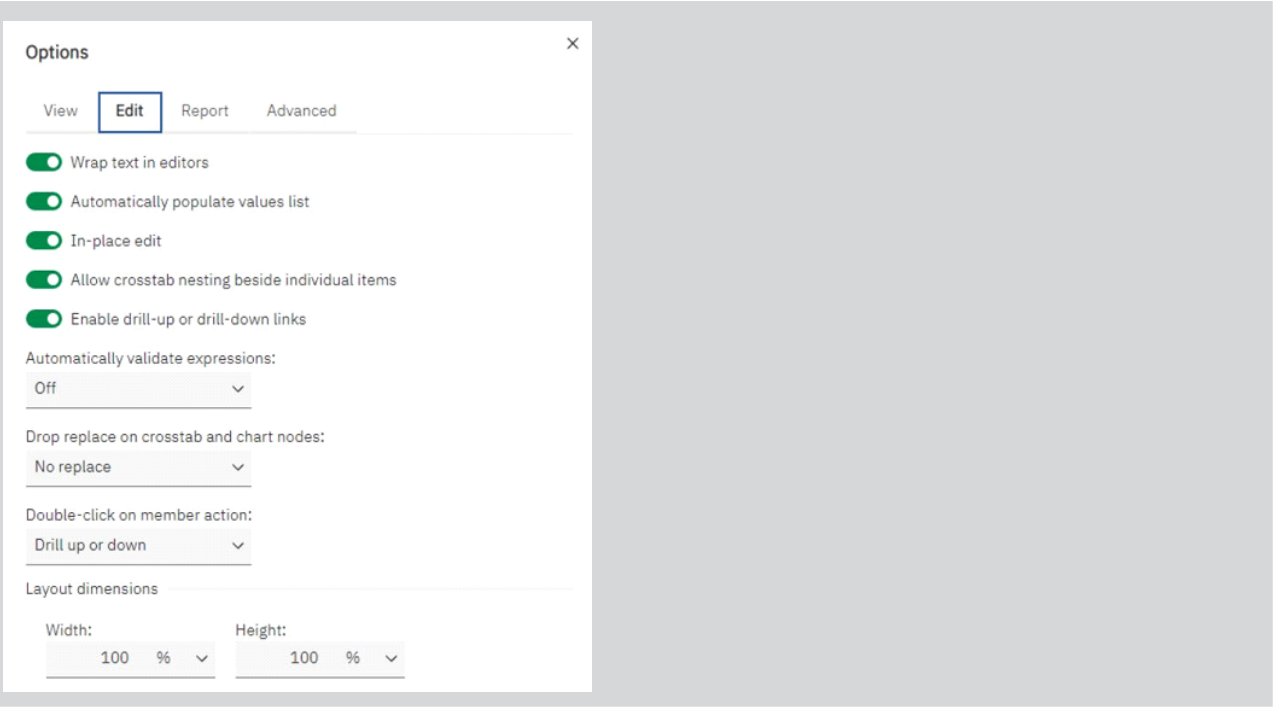



| Option | Description |
|---|---|
| Show new data container dialog | Shows the new data container dialog boxes when the Show this dialog in the future check box was previously cleared. |
| Reuse IBM Cognos Viewer window | Reuses the same DWH Viewer window when you rerun a report without first closing the window. |
| Show on demand toolbar on right-click | Show the report object toolbar only when you right-click the object. The default setting is to show report object toolbars when you highlight an object. You can control when you want to see these toolbars by enabling this feature, which is also used for accessibility. When you author reports with accessibility features enabled, the Show on-demand UI on right click option is automatically selected. As a result, report object toolbars do not appear. To show an object's toolbar, navigate to the object and press the Enter key. |
| Start page view | Enables you to start Reporting in Design, Structure, or Preview view. For the change to take effect, you must close and then restart Reporting. |

**Table 155: View Options**

## 8.5.2 Edit Options

Table 2. Descriptions of the options on the “**Edit**“ tab (  ) of the “**Options**” window



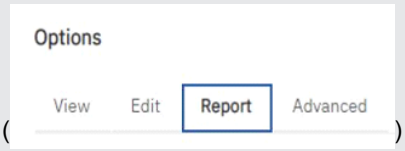

| Option | Description |
|---|---|
| Wrap text in editors | Automatically wraps text in all editors where you can define expressions. |
| Automatically populate values list | When building expressions in the expression editor, automatically shows values when you browse the data of a data item. |
| Automatically validate expressions | Automatically validates calculations, such as filters, created in the expression editor. |
| In-place edit | Enables the editing of text in place when double-clicking. |
| Allow crosstab nesting beside individual items | Specifies to create a crosstab node when a data item is inserted in a crosstab. This option allows nesting under individual items instead of only on the entire crosstab edge. |
| Enable drill-up or drill-down links | For data items where drill-up or drill-down is possible, enables drill-up or drill-down links. When you select a data item, it becomes a link that you can click to drill up or down. Also, you can still double-click data items to drill up and down. By default, this option is enabled. You can also control drill options in the Properties pane. At the report level, in the Data section. |
| Drop replace on crosstab and chart nodes | When you use drag-and-drop techniques, this setting determines the behaviour for replacing an item. |
| Double-click on member action | When working with dimensional data, specifies what happens when you double-click a member data item.<br>By default, you drill down or up on the item that you double-click. |

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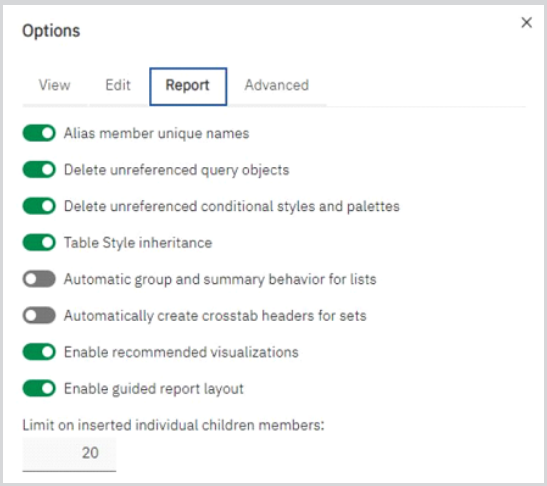
| | |
|---|---|
| Layout dimensions | Specifies the width and height of the area where you will create reports. |

**Table 156: Edit Options**

## 8.5.3 Report Options

Table 3. Descriptions of the options on the “**Report**” tab (

) of the “**Options**” window



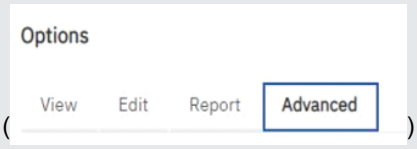

| Option | Description |
|---|---|
| Alias member unique names | When working with a dimensional data source, creates an alias when you add a member to the report or to an expression. |
| Delete unreferenced query objects | Automatically deletes query objects linked to another object. For example, if you delete a list, the query linked to the list is deleted as well. |
| Delete unreferenced conditional styles and palettes | Automatically deletes conditional styles or palettes when the last data item that refers to the conditional style or palette is also deleted. |
| Table Style inheritance | When a table style is applied to a list or crosstab, specifies whether new objects inserted in the list or crosstab should inherit the style. |
| Automatic group and summary behaviour for lists | When working with lists, automatically adds an overall aggregate summary in the list footer and a summary for any groups in the list. When grouping a column, automatically makes it the first column in the list. |
| Automatically create crosstab headers for sets | When adding sets in a crosstab that uses a dimensional data source, automatically adds header labels on new columns and rows. The headers help consumers of the report to understand where the data is in the hierarchy. |

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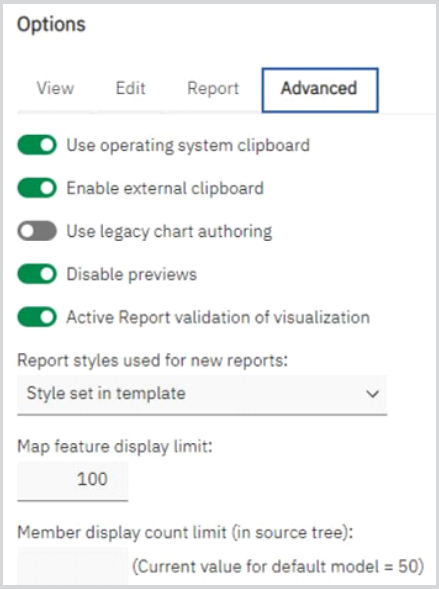
| | |
|---|---|
| Enable recommended visualizations | Enable or disable the visualization recommender. |
| Enable guided report layout | Enable or disable guided report layout. |
| Limit on inserted individual members | This is an option used in dimensional data sources that is a different form than the one used in the DWH. |

**Table 157: Report Options**

## 8.5.4 Advanced Options

Table 4. Descriptions of the options on the “**Advanced**” tab (

) of the “**Options**” window




| Option | Description |
|---|---|
| Use operating system clipboard | Uses the Microsoft Windows (or other operating system) clipboard instead of the internal Reporting clipboard. |
| Use legacy chart authoring | Enables you to create new reports using the legacy charts instead of the default charts and disables the automatic upgrade of charts in existing reports to the current default charts. Select this check box if you do not want to upgrade the charts in your existing reports. |
| Disable previews | When editing properties such as date and number formatting, does not display a sample of the formatting that is applied to data. When this option is not enabled, either sample data or data from your data source is displayed with formatting options applied. |

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| | |
|---|---|
| | Additionally, when in Page Design view, displays a static image for a chart instead of updating the chart with a preview of your chart, using simulated data. |
| Active Report validation of visualization | Specifies whether to validate visualizations in an active report when the report is run from Reporting. |
| Report styles used for new reports | Specifies which report styles to use by default when creating new reports. |
| Map feature display limit | When working with maps, specifies the maximum number of features that can appear in a map. |
| Member display count limit (in source tree) | When working with dimensional data, specifies the maximum number of members that can appear in the Source tab before you must perform a search. |

**Table 158: Advanced Options**

## 8.6 Working with lists

Lists are used to show detailed information from your database, such as product lists and customer lists.

A list shows data in rows and columns. Each column shows all the values for a data item in the database or a calculation based on data items in the database.

| User ID | User Name | User BIC | Environment Name | Environment ID |
|---|---|---|---|---|
| <User ID> | <User Name> | <User BIC> | <Environment Name> | <Environment ID> |
| <User ID> | <User Name> | <User BIC> | <Environment Name> | <Environment ID> |
| <User ID> | <User Name> | <User BIC> | <Environment Name> | <Environment ID> |

A list showing User ID, User Name, User BIC, Environment Name and Environment ID.

You can specify whether to automatically add an overall aggregate summary in the list footer and a summary for any groups in the list by selecting Automatic group and summary behaviour for lists in the DWH - Reporting options. The default aggregation as specified in your enterprise data source is used.

### 8.6.1 Set list properties

Format lists to give them the appearance you want. You can specify formatting for individual column titles or bodies or for all columns in a list. When you specify formatting for all columns in a list, the formatting is automatically applied to new columns you subsequently add.

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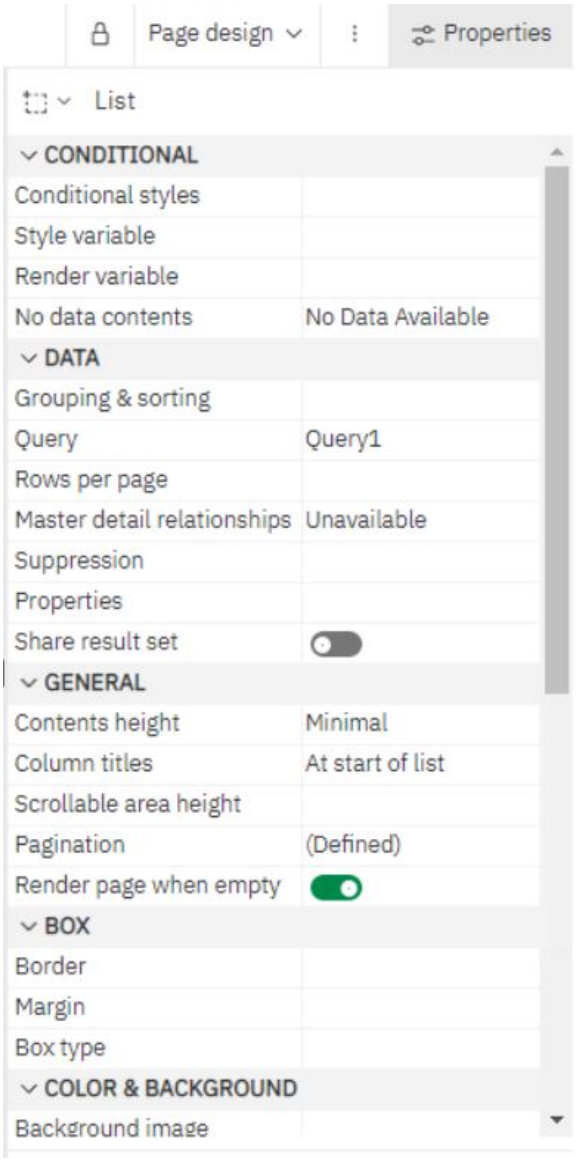



**Figure 526: Set list properties**

You can also quickly format lists by applying table styles.

Formatting for specific columns overrides formatting for entire columns. For example, you specify red as the background colour for a specific column body and green as the background colour for all columns. When you run the report, the specific column body is red and the remaining columns in the list are green. New columns added to the list will be green.

**Procedure**

1. To format an individual column, do the following:

- Click the column title or column body.
- To format the text in the column title or the data in the column body, click the “**More**” icon ( ⋮ ), then click on “**Columns title style**” ( Columns title style ) or “**Column body style**” ( Columns body style ), and then select the formatting style in the properties pane.
- To format the whole column, click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane and click “**List column**” ( List column ).
- In the Properties pane, set the property value.

  For example, to specify a background colour, click “**Background colour**” and choose the colour.

2. To format all columns, do the following:
   - Click a column in the list.
   - To format list column bodies, click the “**Select ancestor**” ( ) icon in the title bar of the Properties pane and click “**List columns body style**” ( List columns body style ).
   - To format list column titles, click the “**Select ancestor icon**” ( ) In the title bar of the Proper-ties pane and click “**List columns title style**” ( List columns title style ).
   - To format entire columns, click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane and click “**List columns**” ( List columns ).
   - To format the entire list, click the “**Select ancestor**” button ( ) in the title bar of the Properties pane and click “**List**” ( List ).

     You can also click the container selector (three orange dots) of the list to select it.
   - In the Properties pane, set the property value.

     For example, to specify a background colour, click “**Background colour**” and choose the colour.

## 8.6.2 Hide column in reports

You can hide columns from the output of list reports. If you select to hide a column, the query for that column is still executed.

- Select the column that you want to hide.
- Click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane and click “**List column**” ( List column ).
- Set the “**Render**” property to “**No**”.




**Figure 527: Hide column in reports -List column properties - Conditional - Set Render to No**

So the result is: When you run your report, the column is hidden in the report output.

## 8.6.3 Create a scrollable list

When the list contains many rows of data, it is clever to use a list you can scroll:

- Select the entire list by clicking the container selector (three orange dots) of the list.

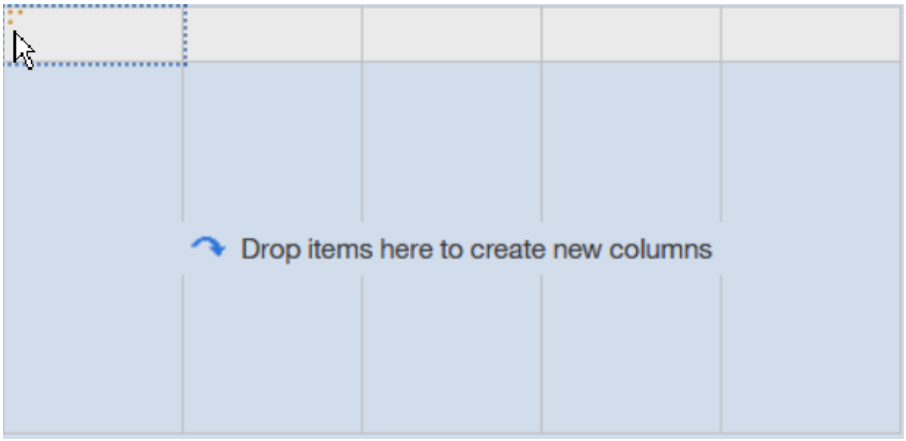



**Figure 528: Create a scrollable list**

- In the DWH toolbar, click the "**Show properties**" icon ( Properties ).
- In the properties sheet of the list, specify the height of the scrollable area, in pixels, that you want by typing a value in the Scrollable area height property.

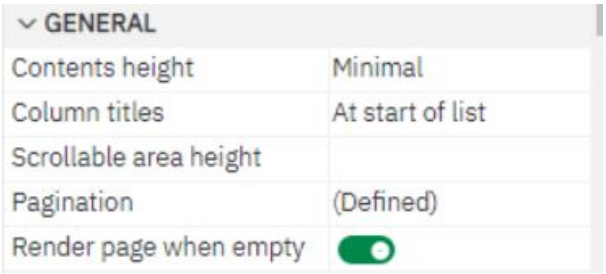



**Figure 529: Create a scrollable list - Properties - General - Scrollable area height**

## 8.6.4 Using Repeaters

Use repeaters to repeat items when you run the report. For example, you can use repeaters to create mailing labels, including customer names and addresses.

To build a repeater, drag the “**Repeater**” or “**Repeater table**” object from the “**Toolbox**” tab to the work area

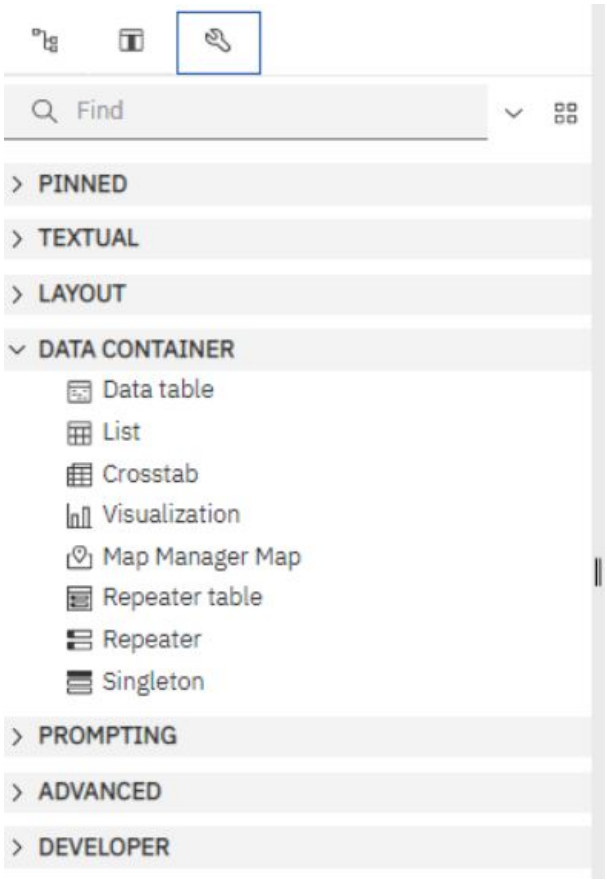



**Figure 530: Using Repeaters - Data container - Repeater/Repeater table**

Use repeaters to repeat items across a single row without a particular structure. For example, you want to create a list that contains Year, and Number of Transactions. For each year, you want all “**Number of Transactions**” to appear in a single row. To do this, create a list with Year as a column and a repeater as a second column.

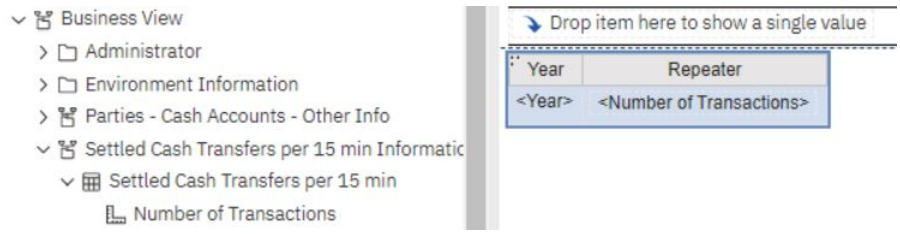



**Figure 531: Using Repeaters - List with all Number of Transactions in a single row**

Then insert “**Number of Transactions**” into the repeater.

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Use “**Repeater table**” to repeat items in a table structure. Drop the items in the repeater, and modify the properties of the repeater to obtain the results you want.

For example, you can specify how many frames appear per page in a repeater table by typing values in the “**Across**” and “**Down**” properties.




**Figure 532: Using Repeaters - Properties - General - Across and Down**

Horizontal pagination is not supported for data containers, such as lists or crosstabs, which are nested in repeater tables.

## 8.6.5 Change a list into a crosstab

Change a list into a crosstab to view your data from a different perspective.

Click the columns to appear as columns or nested columns in the crosstab.

From the report object toolbar, click the “**More**” icon ( ⋮ ) and choose “**Pivot List to Crosstab**”.

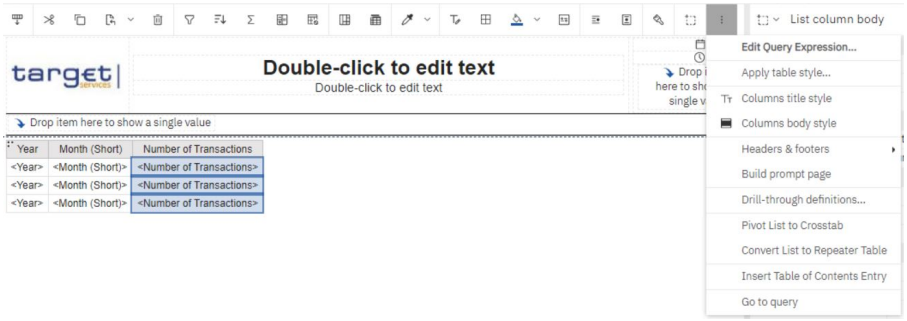



**Figure 533: Change a list into a crosstab - More icon - Pivot List to Crosstab**

The list becomes a crosstab with the columns you selected in step 2 appearing as columns and nested columns. The unselected columns, except for measures, appear as rows and nested rows. If you have one measure, it becomes the cells of the crosstab. If you have more than one measure, they appear as columns.

To make all measures appear as rows, swap columns and rows ( ⇄ ).

# 8.7 Working with crosstabs

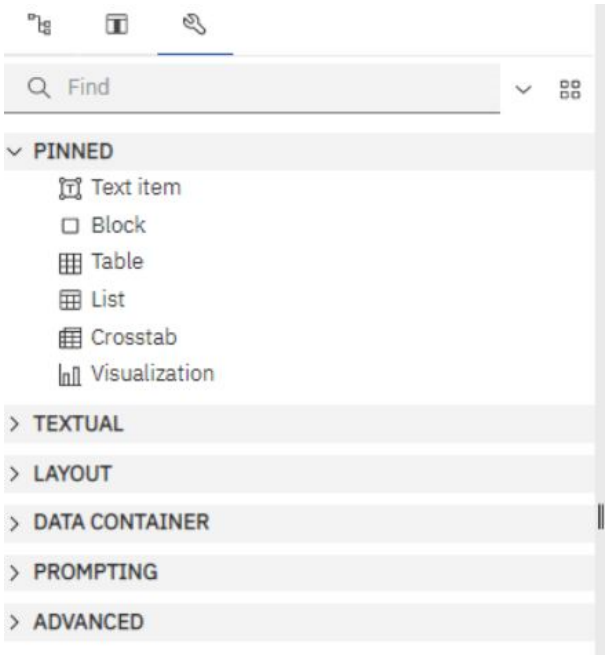



**Figure 534: Working with crosstabs - Data container - Crosstab**

Use crosstab reports, also known as matrix reports, to show the relationships between three or more query items. Crosstab reports show data in rows and columns with information summarized at the intersection points.

Swap columns and rows to look at information from a different perspective. This may help you discover high and low points in the data that you had not previously noted.

You can only swap columns and rows in a crosstab or chart. In a chart, you swap the x- and y-axes.

From the toolbar, click the "**Swap rows and columns**" button ( ⇄ )

In the report, the rows become the columns and the columns become the rows.

## 8.7.1 Crosstab nodes and Crosstab nodes members

When you add data items to crosstabs rows and columns, you create crosstab nodes and crosstab node members. These objects allow you to easily create crosstabs, by dragging data items to crosstabs. Crosstabs are dimensional objects that have row edges and column edges. Each edge is composed of a set of crosstab nodes. Each crosstab node contains the following:

- One or more crosstab node members.
- Zero or one nested crosstab node, which contains one or more crosstab node members or nested crosstab nodes.

Each crosstab node member refers to a data item that contains an expression to define the members in the crosstab. The following crosstab contains four crosstab nodes.

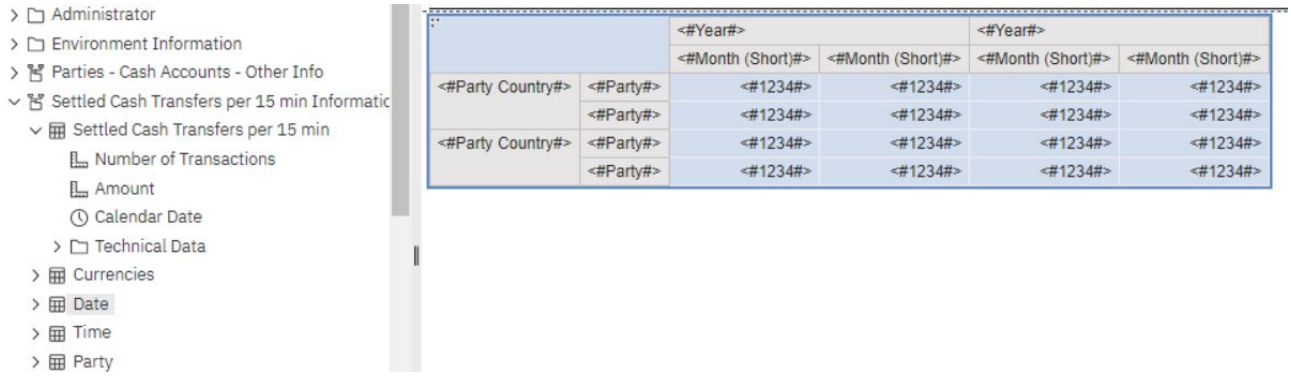



**Figure 535: Crosstab nodes and Crosstab nodes members**

1. Crosstab node 1 contains a single node member for the total. This node refers to the data item Total (Party Country).
2. Crosstab node 2 contains a crosstab node member that refers to the data item Party Country. This member has a nested crosstab node containing a crosstab node member that refers to the data item Party.
3. Crosstab node 3 contains a single node member for the average. This node refers to the data item Average (Party Country).
4. Crosstab node 4 contains a crosstab node member that refers to the data item “**Year**”. This member has two nested crosstab nodes. The first node contains a crosstab node member that refers to the data item “**Month**”. The second node contains a crosstab node member for the total. This node refers to the data item “**Total**” (Month).

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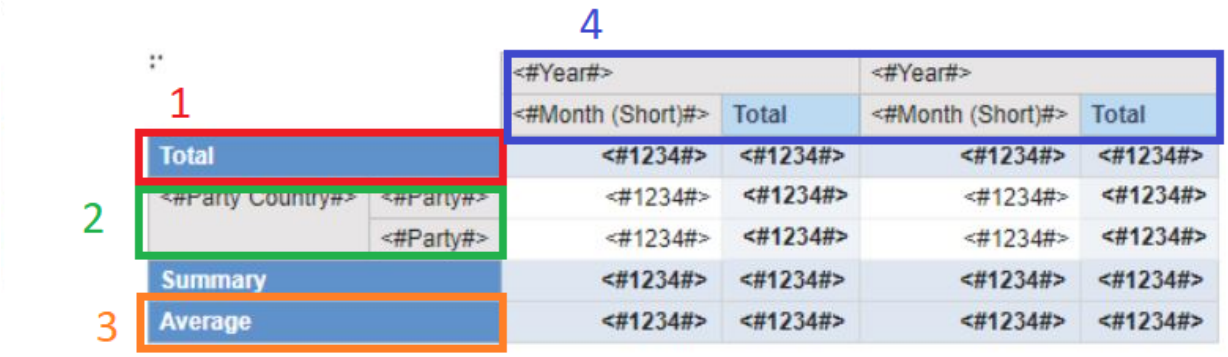



**Figure 536: Crosstab nodes and Crosstab nodes members (2)**

Nodes are also created when you add data items to charts.

Crosstab nodes can be placed anywhere in the crosstab. For example, in the previous diagram, you can drag “**Month**” under “**Average**” to create a row edge.

To move nested items from one edge to another, ensure that you select the crosstab node and not the crosstab node member. For example, in the previous diagram, you want to move “**Party Country**” and “**Party**” to the column edge. To do this, click “**Party Country**” and, in the Properties pane, click the “**Select ancestor**” ( ) button and click “**Crosstab**” ( Crosstab ).

Node. Both “**Party Country**” and “**Party**” are selected.

The DWH - Reporting option Allow crosstab nesting beside individual items (“**More**” icon in the application bar ( ), Options, Edit tab) affects the drag-and-drop behaviour in crosstabs. When the option is turned on and you add a data item to a crosstab, the item is created as a crosstab node. In addition, you can nest items under individual items instead of only on the entire crosstab edge. If the option is turned off, the item is created as a crosstab node member to an existing crosstab node.

For example, in the previous diagram, if the option is turned on and you drag “**Week**” or “**Day**” from the “**Source**” tab to beneath Year, Day or Week becomes a new peer node to “**Year**”. If the option is turned off, “**Day**” or “**Week**” becomes a new peer node to “**Year**” and has “**Month**” as a nested crosstab node. This happens because instead of adding a new node, you are adding a new member to the existing node that already contains “**Year**”.

To create discontinuous crosstabs, turn the option on. If you want the items on the edges of crosstabs to be related (contain the same nested items), turn the option off.

## 8.7.2 Set Crosstabs properties

Format crosstabs to give them the appearance you want. You can specify formatting for rows, columns, and fact cells in a crosstab or for the entire crosstab. When you specify formatting for all rows, columns, fact cells, or the crosstab, the formatting is automatically applied to any new items you add. If you apply the same styles, such as font colour, to crosstab rows, columns, and crosstab intersections, the styles are applied in the following order:

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- Crosstab fact cells
- fact cells in the outermost rows
- fact cells in the innermost rows
- fact cells in the outermost columns
- fact cells in the innermost columns
- crosstab intersections

The style applied to the last object in the list overrides styles applied to previous objects. In addition, class styles are applied before styles that you apply manually.

You can also quickly format crosstabs by applying table styles and add white space to a crosstab by inserting crosstab space objects.

In cases where fact cell formatting applied to rows conflicts with fact cell formatting applied to columns, you can set the ”**Fact cells precedence**” property in the Properties pane to determine whether the row formatting or the column formatting precedence has. To set this property, click anywhere in the crosstab, click the “**Select ancestor**” icon (  ) in the title bar of the Properties pane, and click “**Crosstab**”.

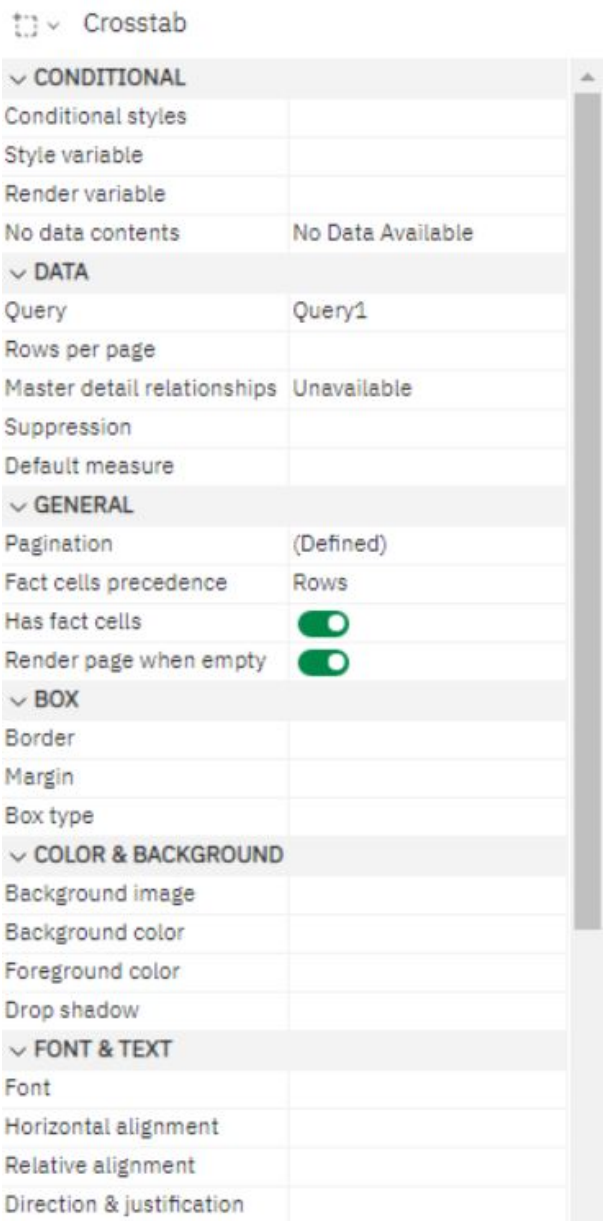



**Figure 537: Set Crosstabs properties**

Or you can click the container selector (three orange dots) of the crosstab to select it.

1. To format the entire crosstab, do the following:
   - Click anywhere in the crosstab.
   - Click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane and click “**Crosstab**”.
   - In the Properties pane, set the property value.

     For example, to specify a background colour, click “**Background colour**” and choose a colour.
2. To format all rows, columns, or fact cells, click a row, column, or fact cell in the crosstab and then do the following:

- If you clicked a row, click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane and click “**Crosstab rows**”.
- If you clicked a column, click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane and click Crosstab Columns.
- If you clicked a fact cell, click the “**Select ancestor**” button ( ) in the title bar of the Properties pane and click “**Crosstab fact cells**”.
- In the Properties pane, set the property value.

  For example, to specify a background colour, click “**Background colour**” and choose the colour.

  You can also right-click the row or column and click “**Select fact cells**”.

3. To format all crosstab cells for a specific row or column, do the following:
   - Click the row or column.
   - Click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane and click “**Crosstab member fact cells**”.

     You can also right-click the row or column and click “**Select member fact cells**”.
   - In the Properties pane, set the property value.

     For example, to specify a background colour, click “**Background colour**” and choose the colour.
4. To format all row or column titles, do the following:
   - Click a row or column title.
   - Click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane and click “**Crosstab rows” or “Crosstab columns**”.
   - In the Properties pane, set the property value.

     For example, to specify a background colour, click “**Background colour**” and choose the colour.
5. To format an individual row, column, or intersection, do the following:
   - Click the row, column, or intersection.

     To format the data in a row, column, or intersection, click the “**Lock page objects**” ( ) icon to unlock then click the text item to format.
   - In the Properties pane, set the property value.

     For example, to specify a background colour, click “**Background colour**” and choose the colour.

## 8.7.3 Create a Single-Edge crosstab

Create a single-edge crosstab report to show data in a list-like form. For example, to show the quantity of products sold for each year and for each order method, you could create a crosstab with Year and Month as rows and Number of Transactions per Day as the measure.

Click the “**Toolbox**” icon (), and drag a crosstab object to the work area.

From the “**Sources**” tab (), drag data items to the “**Rows**” or “**Columns**” drop zone.

A black bar indicates where you can drop the data item.

Repeat step 2 to insert additional data items:

If you dragged the data item in step 2 to the “**Rows**” drop zone, drag the additional items above or below the first item.

If you dragged the data item in step 2 to the “**Columns**” drop zone, drag the additional items to the left or right of the first item.

To add measures to the crosstab, drag the measures to the “**Measures**” drop zone.

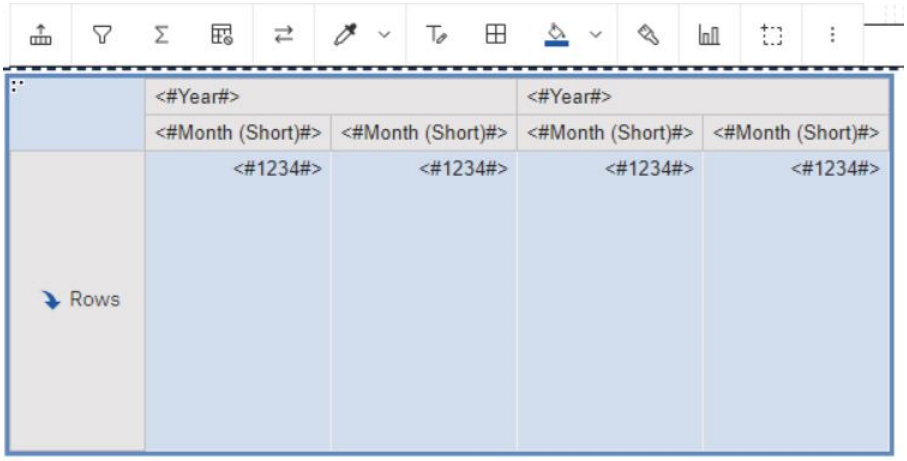



**Figure 538: Create a Single-Edge crosstab**

When you run the report, a crosstab is produced that has only one edge.

## 8.7.4 Create a nested Crosstab

Nest data in a crosstab report to compare information by using more than one data item in a column or row. For example, a report shows the number of transactions by country party per year. You decide to add a data item to further break down the number of transactions by “**Month**”. When nesting columns in a crosstab report, there are four distinct drop zones where you can insert a new data item. The drop zone you choose will define the relationship between the data item and the column.

The following relationships are created when you insert a data item as a row:

Inserting a data item to the left or right of a column creates a parent-child relationship between them. When you insert a data item to the left of a column, the data item becomes a parent to the column. When you insert a data item to the right of a column, the data item becomes a child of the column.

Inserting a data item above or below a column creates a union relationship between them.

The following relationships are created when you insert a data item as a column:

Inserting a data item to the left or right of a column creates a union relationship between them.

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Inserting a data item above or below a column creates a parent-child relationship between them. When you insert a data item above a column, the data item becomes a parent to the column. When you insert a data item below a column, the data item becomes a child of the column.

For example, you have a crosstab with “**Country Party**” as rows and “**Party**” as nested row. For columns, you have “**Year**” with “**Month short**” or “**Month**” as a nested column.

In this crosstab, “**Party Country**” is a parent to “**Party**”.

“**Month**” and “**Month short**” are peers.

“**Year**” is a parent to “**Month**” or “**Month short**”.

- From the “**Sources**” tab ( ), click the data item to add.
- Drag the data item to the report as a nested column or nested row.
  A black bar indicates where you can drop the data item.
- Repeat steps 1 to 2 to add other nested columns or rows.

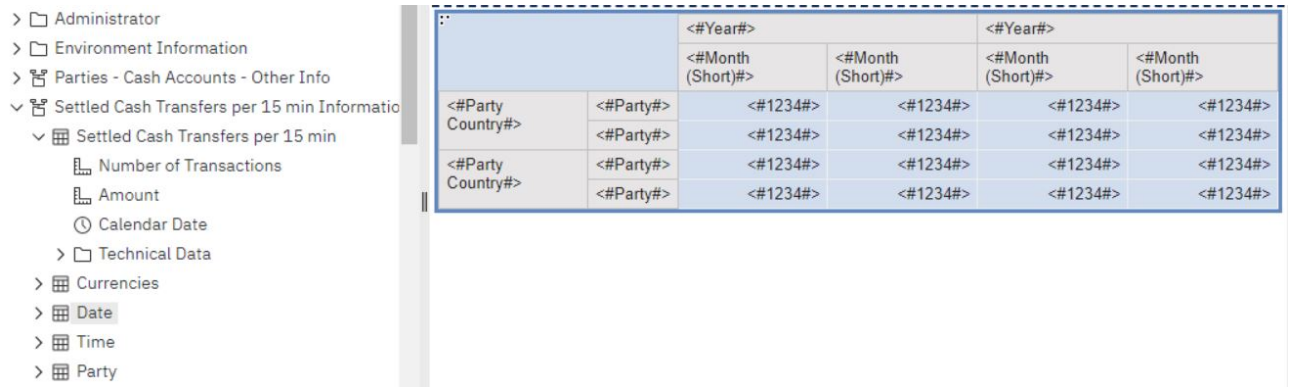



**Figure 539: Create a nested Crosstab**

## 8.7.5 Creating headers automatically for sets in crosstabs

You can automatically add header labels on columns and rows when working with sets in a crosstab that uses a dimensional data source. The headers help consumers of the report to understand where the data is in the hierarchy.

Header labels are added only when you add new sets to your crosstab. The labels are not added to existing sets. After you enable this option, it remains on until you disable it, and applies to any new crosstabs that you create.

Click the “**More**” icon ( ), click “**Options**”, then click the “**Report**” tab.

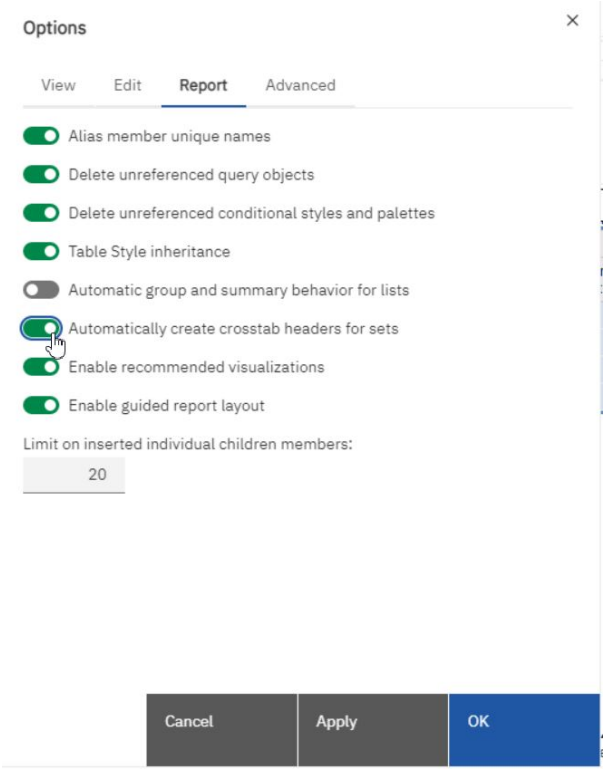



**Figure 540: Creating headers automatically for sets in crosstabs**

Select “**Automatically create crosstab headers for sets**”.

Click OK.

Header labels are now created in the rows and columns in a crosstab.

## 8.7.6 Showing Crosstab values as percentages

When you work with dimensional data sources, you can show crosstab values as a percentage of a summary instead of the actual values. When you show values as a percentage, you can compare the contribution of an item to the whole.

You can show crosstab values as a percentage of a summary on the rows, the columns, or the rows and columns.

By default, the summary type that is used to calculate the percentages is Automatic summary. When you show values as a percentage, a percentage measure data item is created.

You can also create a custom percentage calculation. For example, you can show values as a percentage of an intersection (tuple). Or you can show values as a percentage of a different summary type, such as “**Maximum**”.

When you show values as a percentage, the fact cells are formatted with the percent data format. When you show the actual values, the fact cells are formatted with the number format. If you modify the data for-mat of the actual values, the change is lost when you switch between showing the actual values and percentage values.

You can show values as a percentage only in crosstabs. If you insert a chart, you cannot fill the chart with data from a crosstab that shows values as a percentage. If you create a chart from a crosstab that shows values as percentages, an empty chart is created in the report.

- Select the measure for which you want to show values as a percentage.

  If there is only one measure in the crosstab, click the crosstab corner.

- From the report object toolbar, click the "**More**" icon ( ), click "**Show value as**", and click the percentage values that you want to show.
- If you click Custom, provide the information that is required to calculate the percentage values.
  - To change the default name of the percentage data item that you are creating, type the new name in the Name field.
  - In the Percentage based on box, choose to build the percentage data item based on a summary of sets in the crosstab or based on an intersection (tuple).
  - If you choose to build the percentage data item based on a summary of sets, in the Choose sets box, click the sets that you want to use. Then, click "**Summary type**" and select the summary that you want to use to calculate the percentage values.

    If there is more than one data item on the crosstab edge that you chose for the sets, select which data item that you want to use.
  - If you choose to build the percentage data item based on an intersection (tuple), click the ellipsis and select the items that you want to use to create the intersection.
  - Click "**OK**".
- To edit a measure percentage data item, follow these steps.
  - Select the measure.
  - From the report object toolbar, click the "**More**" icon ( ), click "**Show value as**" > Edit.
  - Modify the information for the data item as described in step 3.
  - If you replaced a set in the crosstab with a different set, in the Choose sets box, click "**Existing sets**" when you want to base the percentage values on the set that you replaced.

## 8.7.7 Specify the Default Measure

You can specify the default measure for crosstabs and certain chart types. Specify the default measure to be used when the measures cannot be determined by what is on the edges. For example, you create a crosstab with "**Order method**" as rows and "**Product line**" as columns. You add "**Quantity**" and "**Revenue**" as nested rows, making "**Order method**" their parent. You then add "**Country**" or "**Region**" under "**Order method**". Since there is no measure specified for "**Country**" or "**Region**", you specify the default measure so that data is returned for each country or region.

In crosstabs, DWH - Reporting automatically sets the default measure when you insert a measure into the crosstab cells.

All rights reserved.

- To specify the default measure for a crosstab, do the following:
  - Click any part of the crosstab, and then click the “**Select ancestor**” icon ( ) in the title bar of the Properties pane.
  - Click Crosstab.

    You can also click the container selector (three orange dots) of the crosstab to select it.

    Set the “**Default measure**” property to the default measure.




**Figure 541: Specify the Default measure**

- To specify the default measure for a chart, drag the measure to the Default measure box in the chart.

## 8.7.8 Indent data

You can indent crosstab node members to set them apart from surrounding data.

When you insert a hierarchy in rows, all members are automatically indented according to their level. By default, the first member in a set is not indented. If you insert a hierarchy in columns, the members are not automatically indented. You can change the indentation properties of members in the report.

Relative indentation means that the member will shift by one tab when the member's level increases relative to the previous member in the hierarchy.

Indenting based on the level in the hierarchy means that the member will shift the number of tabs equivalent to the level in the hierarchy.

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You can also indent objects by applying padding.

- Click the crosstab node member to indent.
- In the Properties pane, set the “**Level indentation**” property to your indentation type, length, and direction.

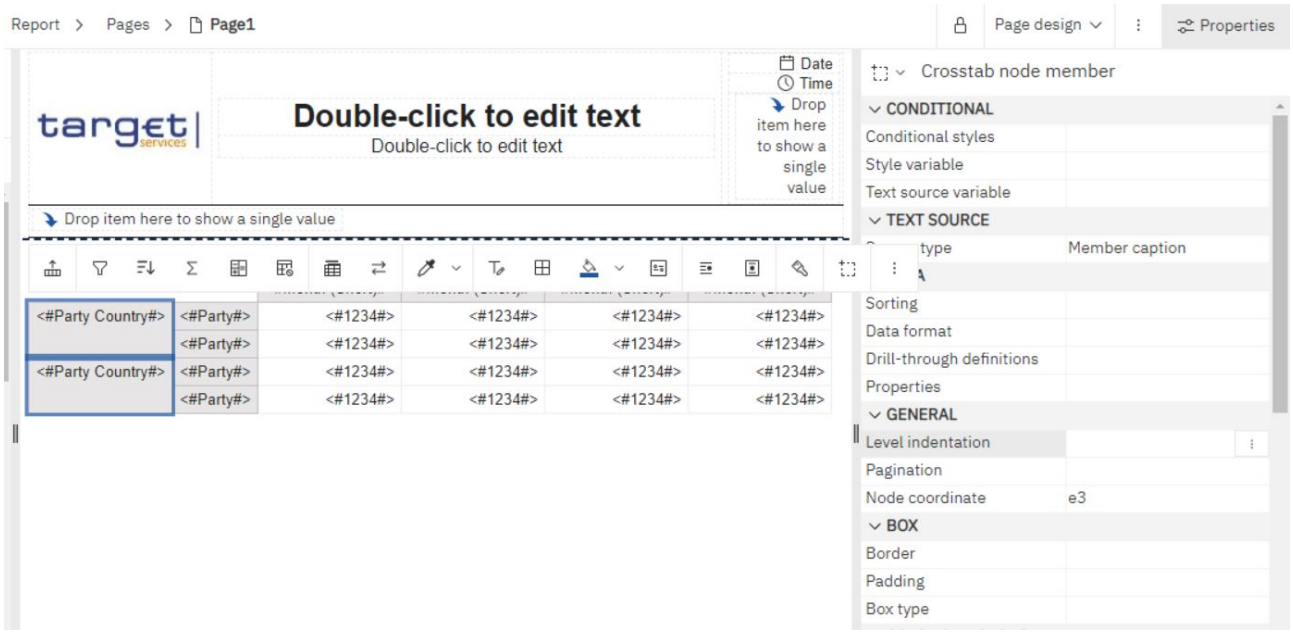



**Figure 542: Indent data - Properties pane - General - Level indentation**

## 8.8 Working with Visualisations

Before creating visualizations, review the available visualisations to select the best type for your needs.

To view the available visualization types, add a Visualization object from the “**Toolbox**” pane ( ) to an existing report.

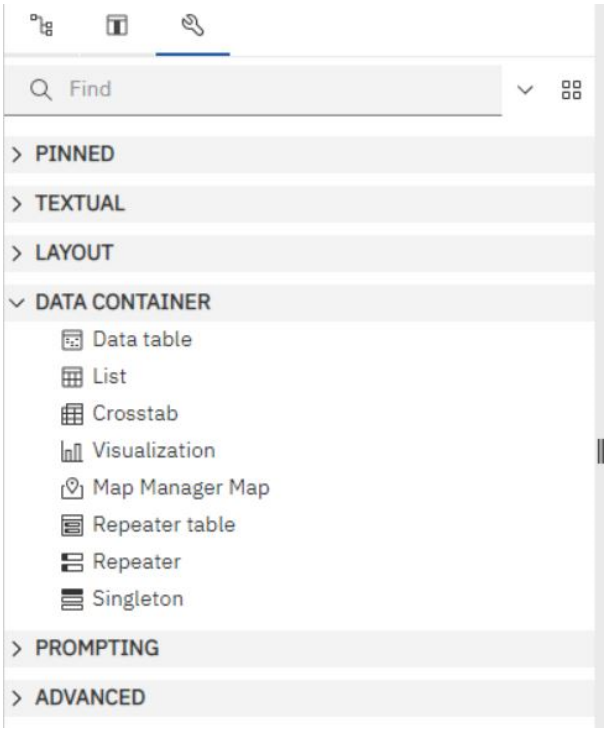



**Figure 543: Working with Visualisations - Data container - Visualization**

In the Visualization gallery window, select "**11.1 Visualizations**" from the menu.

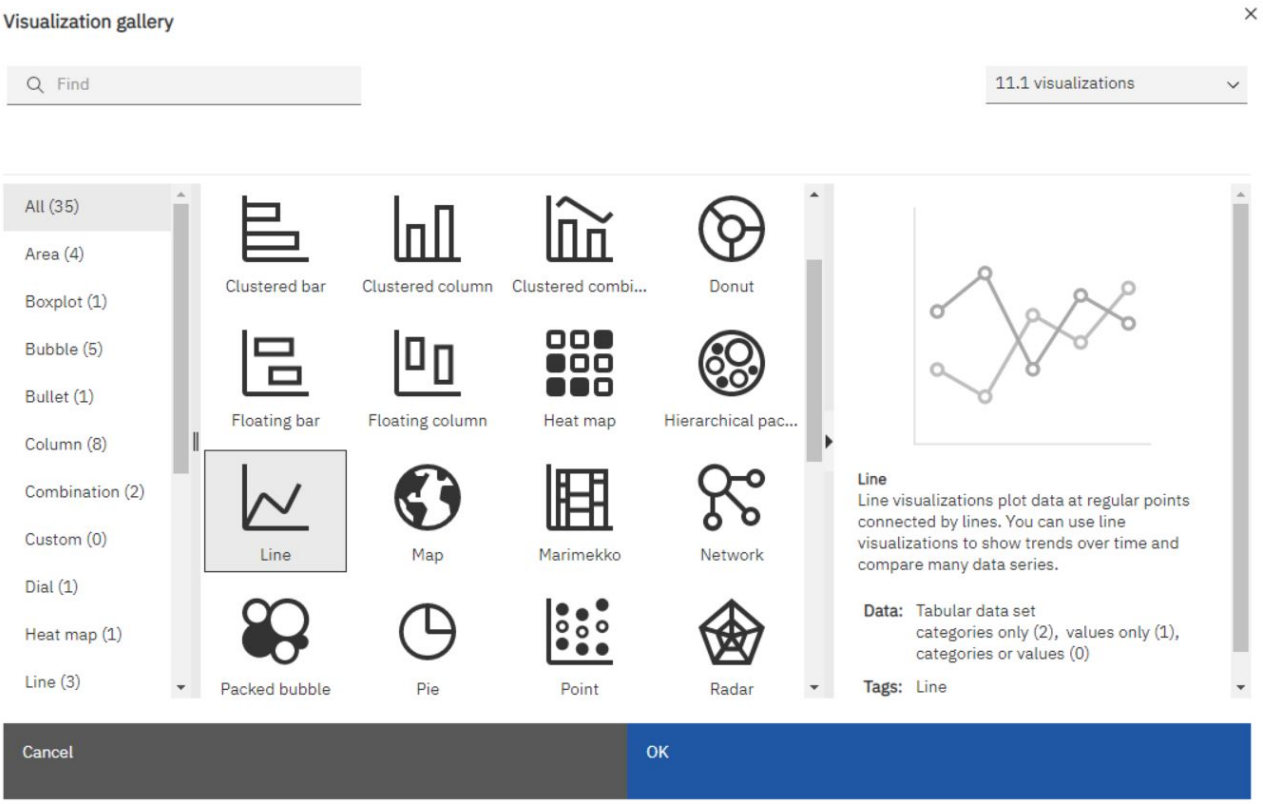


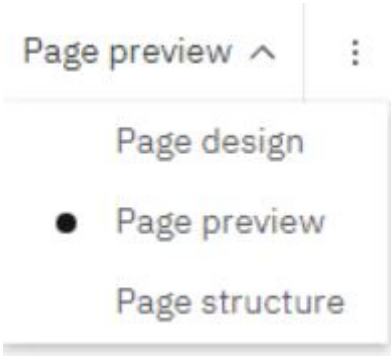

**Figure 544: Working with Visualisations - Visualization gallery**

To create charts, drag data items from the “**Source**” tab ( ) to the measures, data series and categories drop zones.

When you are working with dimensional data sources, do not insert member properties in the series or categories of a chart. By default, DWH - Reporting groups items that are inserted in these areas. Grouping member properties produces a warning when you validate the report.

To help you when creating visualizations, you can do the following:

- Preview your visualization style changes:




As you author your visualization and edit the visualization properties, DWH - Reporting provides you with a preview of your visualization, using simulated data. This allows you to view your style changes without running your report. You need to run your report to see the visualization with your actual data. You can disable the visualization preview in the options.

- Resize your visualization:
- Move the visualization drop zones into flyouts so that they appear only when you pause your pointer over the visualization.

After you create a basic visualization, modify the various chart objects to customize your visualization.

The DWH provides a number of recommended visualisations based on the data that you are working with.

Using a machine learning pipeline that is derived from training data and the input from visualization specialists, the DWH matches your data with the visualizations that illustrates your data.

When you drag a measure or column on to the canvas, the DWH chooses a recommended visualization for you. You can change it by selecting another visualization from either recommended visualizations or from all visualizations.

## 8.8.1 Comparing measures in a visualization

You can compare measures from the same category in a visualization by adding multiple measures to the measure fields

For example, you can compare the unit price with the unit sale price.

- Create a bar or column visualization.
- Drag a member to the Bars field.

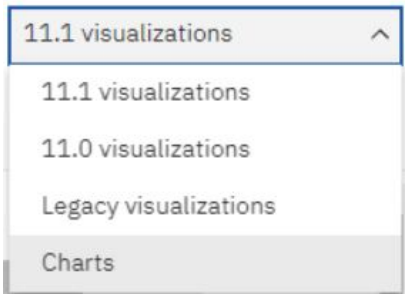
The visualization display different bars for the measures. The colouring is determined by the measures from the Length field.

Comparing measures is only available for the following visualization:

Area, Bar, Column, Hierarchical packed bubble, Packed bubble, Point, Clustered combination, Stacked combination, Line, Tiled map, Pie, Radar, Treemap, Waterfall and Wordcloud.

## 8.8.2 Adding a baseline to a visualization

Baselines are horizontal or vertical lines that cut through the “**chart**” to indicate major divisions in the data. Baselines can be used only in the “**Charts**”




For example, you can add a baseline to show a sales quota or break-even point.

In visualizations, you can define baselines by values on the numeric axis or the category axis.

Each baseline represents a value on an axis.

Depending on the type of visualization, you can use the following options to position the baseline.

| Option | Description |
|---|---|
| Numeric Value | Uses a static numeric value. |
| Category Index | Uses the index value of the data item in the categories axis.<br>For example, a Category index value of 1 indicates that the baseline is at the first data item. This is the default. |
| Percent on Axis (%) | Uses a percentage of the full range of the axis. |

**Table 159: Adding a baseline to a visualization**

For example, if the axis range is “**-500 to 1100**”, a Percent on Axis value of 25% puts the baseline at “**-100**” (25% of the range, 1600).

- Click the visualization in a report.
- Depending on your chart and the type of baseline you want to add, in the Properties pane , under “**Visualizations**” > “**Annotations**”, select the “**Baselines**”

| CHART ANNOTATIONS | |
|---|---|
| Legend | Top right |
| Numeric baselines | |
| Category baselines | |

- Click the “**New**” icon ( + ) and choose the type of baseline from the list.

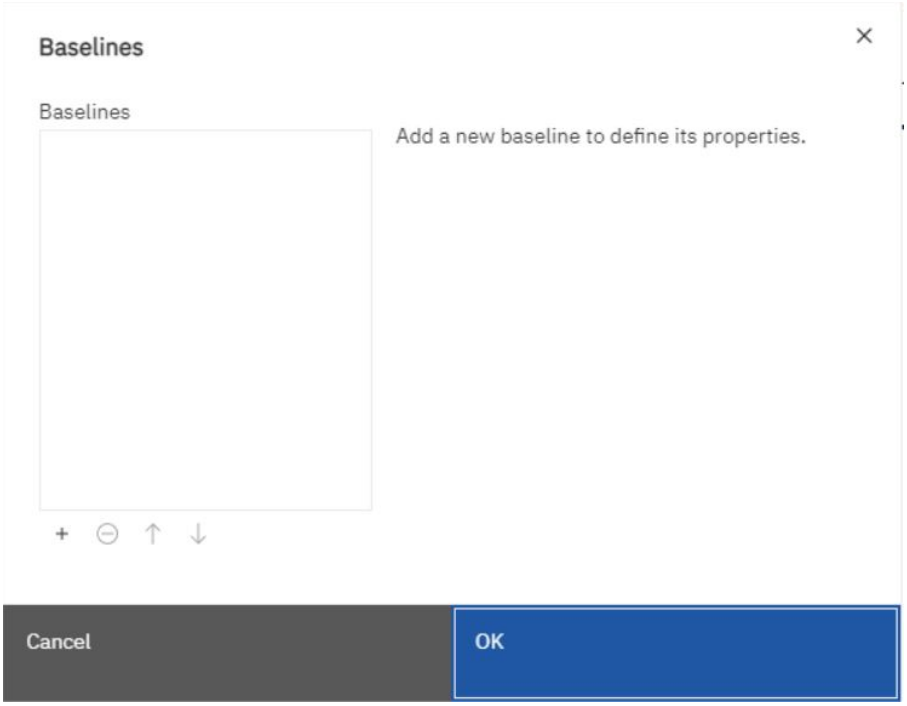



**Figure 545: Adding a baseline to a visualization**

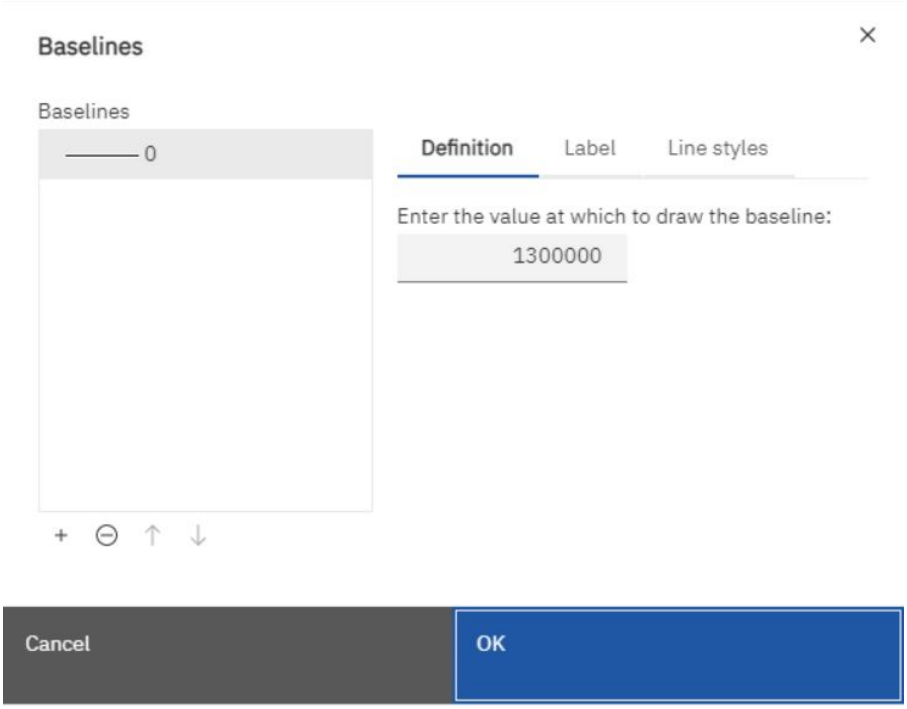



**Figure 546: Adding a baseline to a visualization - Baselines**

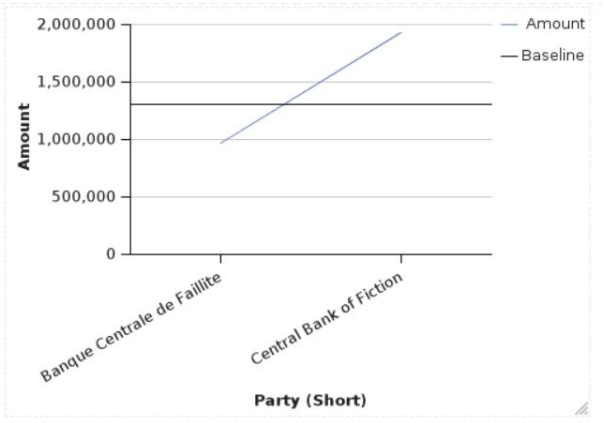



**Figure 547: Adding a baseline to a visualization - Baseline at 1.300.000**

- Specify the necessary criteria for the baseline position.
- Under “**Baseline Properties**”, type a label for the baseline and specify the line style and colour and the position of the label from the Baseline menu.

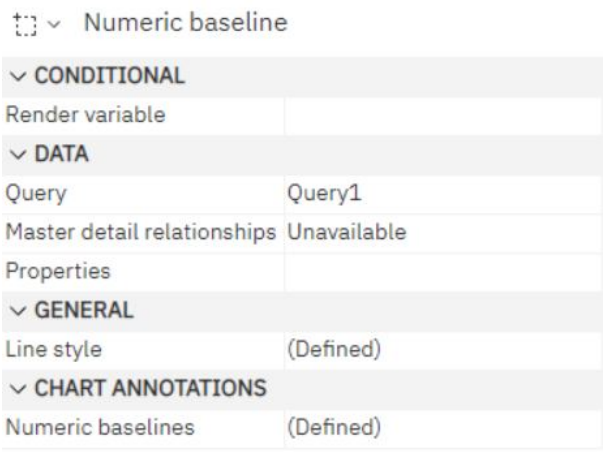



**Figure 548: Adding a baseline to a visualization - Baseline properties**

The new baselines appear in the Baselines box.

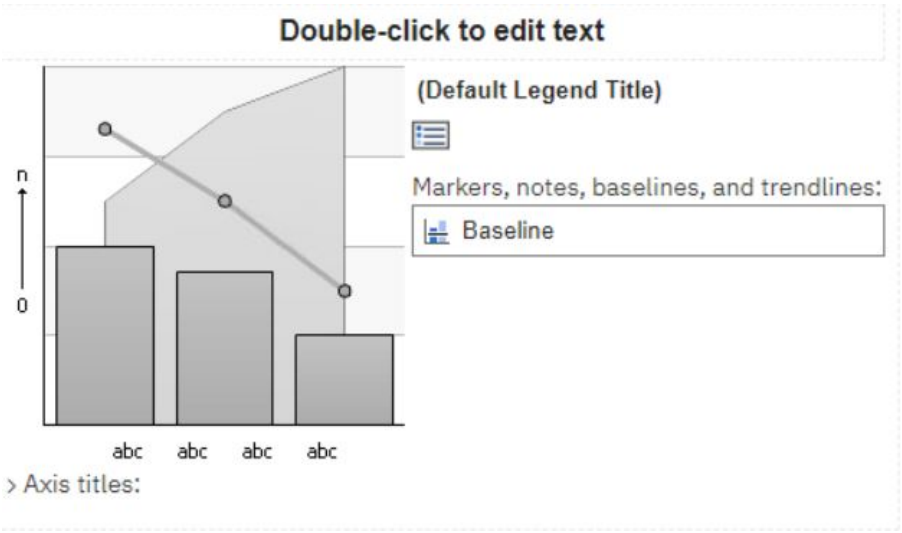



**Figure 549: Adding a baseline to a visualization - Baselines box**

To delete a baseline, select the baseline in the Baselines box and click the "**Delete**" icon ( ).

## 8.8.3 Change visualization from one type to another

You can change a visualization from one type (for example, a bar chart) to another type (for example, a line chart).

When you change an existing visualization to a new visualization type, DWH - Reporting keeps the properties from the existing visualization if those properties exist in the new chart type. For example, if you change a pie visualization to a bar visualization, Reporting maps your visualization palette to the new visualization, but does not map the exploding slices, because the exploding slices property does not exist in a bar visualization.

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- Click a visualization and, from the report object toolbar, click the “**Change chart type**” icon ( ).
- From the list, select a new chart type.
- If some chart properties cannot be converted, the “**Chart property changes dialog box**” appears notifying you of the properties that cannot be converted.

## 8.9 Charts

You can use reporting to create many chart types, such as column, bar, area, and line charts. To add a “**Chart**” to your report, you have to click on the “**Toolbox**” ( ) and select “**Visualization**”. In the “**Visualization gallery**” window select “**Charts**” instead of “**11.1 visualization**”.

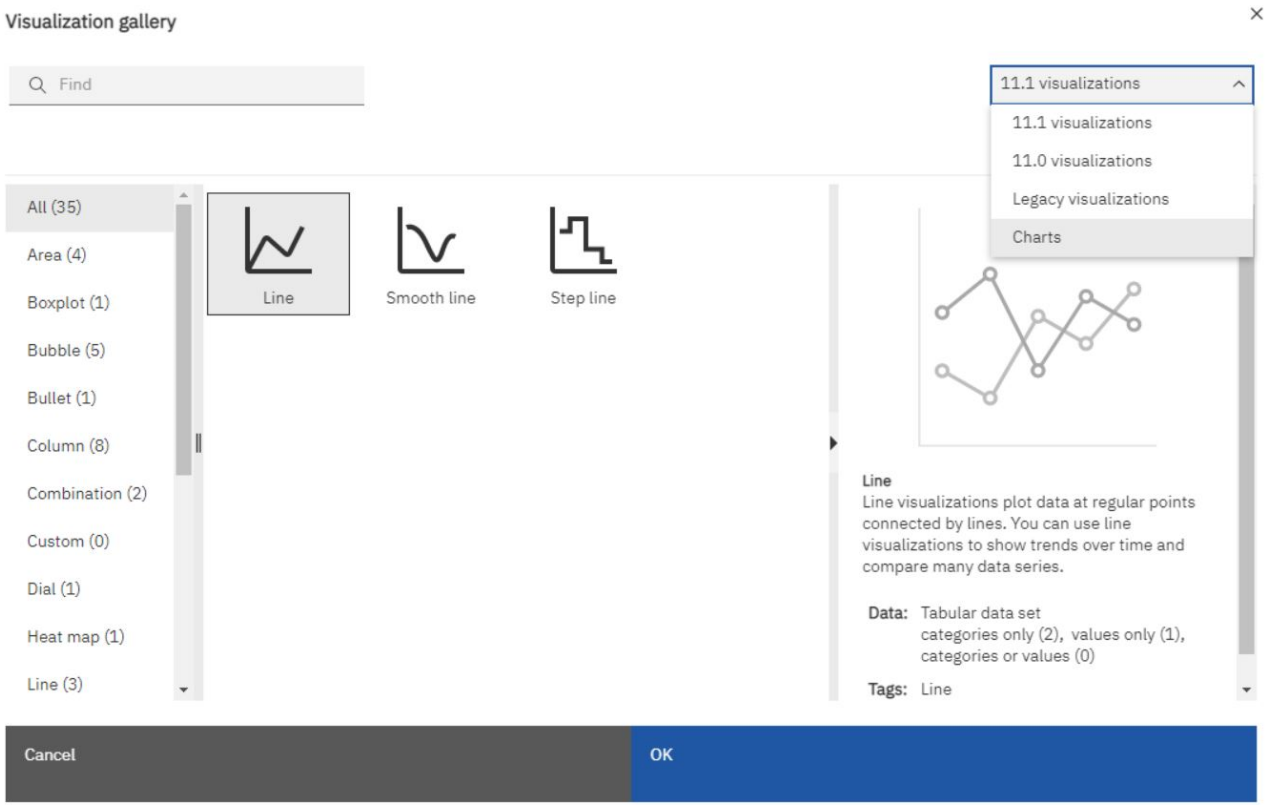



**Figure 550: Charts - Visualization gallery**

### 8.9.1 Change Chart from one type to another

You can convert a chart from one type (for example, a bar chart) to another type (for example, a line chart).

When you convert an existing chart to a new chart type, DWH - Reporting keeps the properties from the existing chart if those properties exist in the new chart type. For example, if you convert a pie chart to a bar chart, Reporting maps your chart palette to the new chart, but does not map the exploding slices, be-cause the exploding slices property does not exist in a bar chart.

- Click a chart and, from the report object toolbar, click the "**Change chart type**" icon ( ).

From the list, select a new chart type.

If some chart properties cannot be converted, the "**Chart property changes dialog box**" appears notifying you of the properties that cannot be converted.

## 8.9.2 Customizing chart properties

After you create a chart, you can customize it by changing its properties.

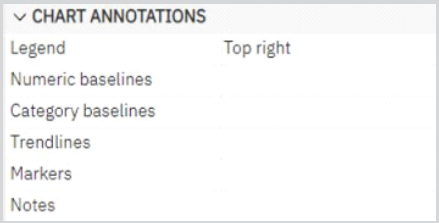
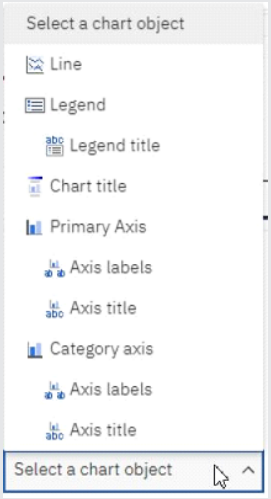
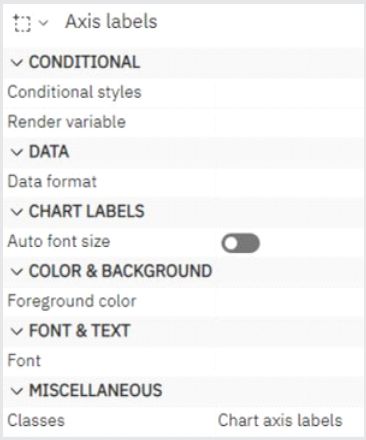
You select the chart object in DWH – Reporting to view its properties. Some properties are dependent on the existence of other properties.

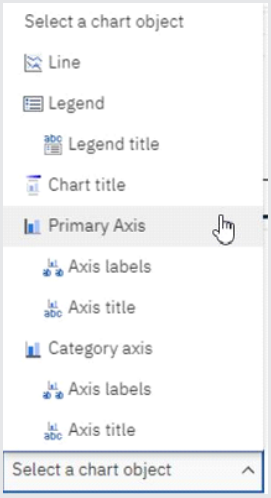
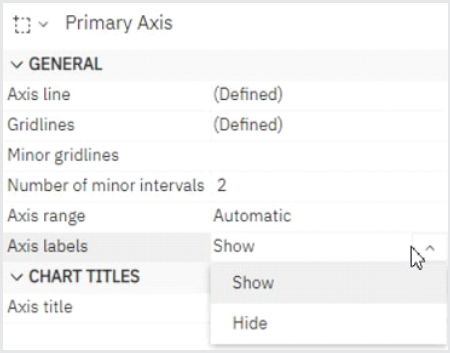
If you are familiar with using conditional variables, you can customize the chart to change its appearance or provide information in response to expressions or conditions.

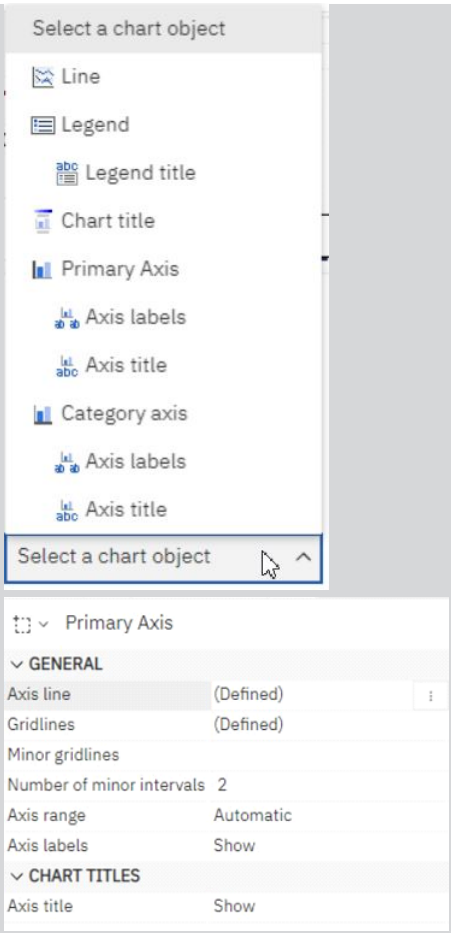
As you edit the chart properties, Reporting provides you with a preview of your chart, using simulated data. This allows you to view your style changes without running the report. You can disable the chart preview in the options.

The following table shows some of the properties you can change in charts. These properties are available when you select the chart object unless specified otherwise in the Action to perform in the Properties pane column.

| Goal | Action to perform in the Properties pane |
|---|---|
| Hide or show the title, subtitle, or footer | Select the chart. Under "**Chart Titles**", set the "Title", "**Subtitle**", or "**Footer**" property.<br>CHART TITLES<br>Title Show<br>Subtitle Hide<br>Footer Hide |
| Hide or show the legend | Select the chart. Under "**Chart Annotations**", set the "**Legend**" property.<br>CHART ANNOTATIONS<br>Legend Top right<br>Numeric baselines<br>Category baselines<br>Trendlines<br>Markers<br>Notes |

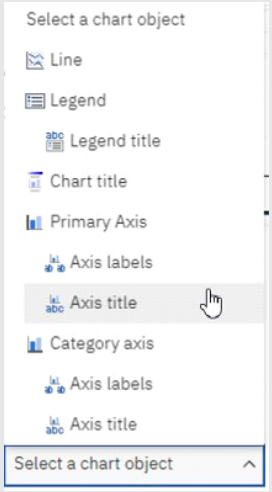
| | |
|---|---|
| Hide or show baselines | Select the chart. Under “**Chart Annotations**”, set the “**Baselines**” property.<br> |
| Change the colours of the labels | Select ”**Select a chart object**”.<br><br>Then select one of the “**Axis labels**”<br><br>In this properties you can change everything which is related to the labels.<br> |
| Hide or show trendlines | Select the chart. Under “**Chart Annotations**”, set the “**Trendlines**”. |

| | |
|---|---|
| Hide or show markers | Select the chart. Under “**Chart Annotations**”, set the “**Markers**” property. |
| Hide or show notes | Select the chart. Under “**Chart Annotations**”, set the “**Notes**” property. |
| Hide or show the axes | Select the chart. Click “**Select a chart object**” Select the Y Axis (Primary Axis) or the X Axis (Category Axis).<br><br><br>In the properties you can hide or show the Axis labels.<br><br> |
| Hide or show the axis title or axis line | Select the axis. Under “**General**”, set the Axis Line or Axis Title property. |

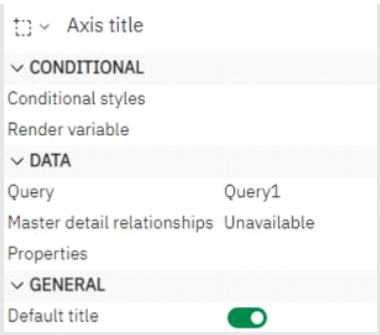
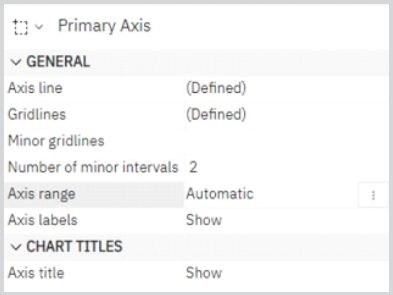
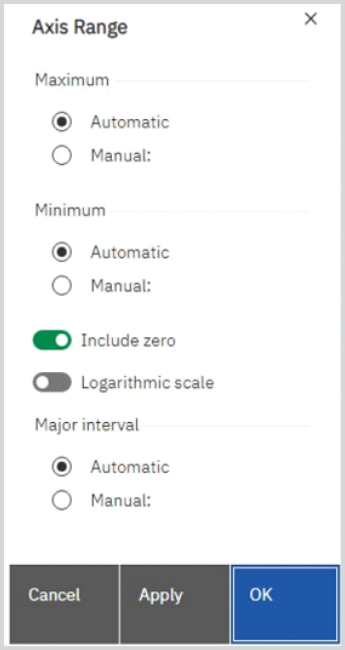


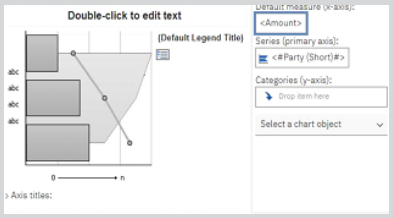
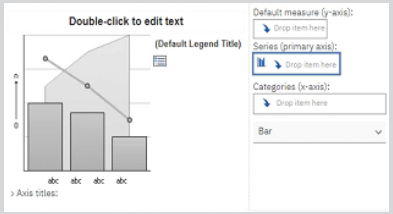

Change an axis title

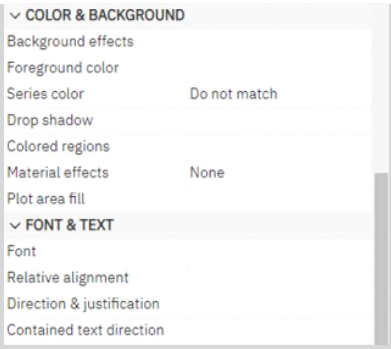
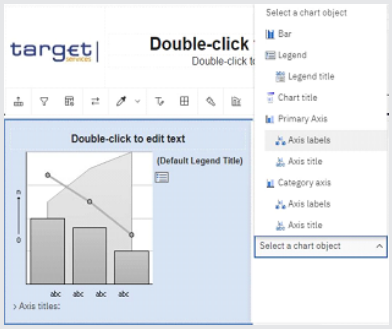
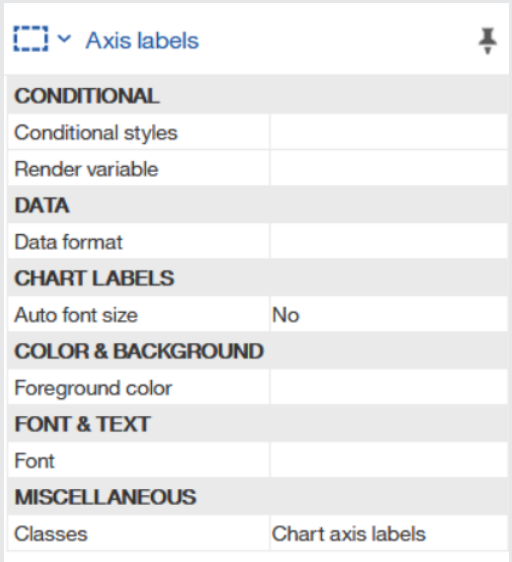
Select the axis title.




Under “**General**”, set the “**Default title**” property to “**No**”, and then double-click the axis title and type a new title.

| | |
|---|---|
| | <br>You can use the Properties pane to change the axis title properties, such as font, positioning, colour etc. |
| Change axis properties, such as range, scale interval etc. | Select the chart. Click “**Select a chart object**” Select the “Primary axis”. In the properties under “**General”** select “**Axis range**”.<br><br>Set the “**Maximum**” value, “**Minimum**” value or “**Major interval**”<br> |
| Hide or show the tooltips | Select the chart. Under “**General**” in the properties, set the “**Tooltips**” property. |

| | |
|---|---|
| | <br>When you pause your pointer over a data marker in the report output, the corresponding absolute or cumulative value appears in a tooltip.<br>Tooltips are not supported in PDF output. |
| Change the data format | Select the item you want to change the data format from the chart object.<br><br>In the properties under “**Data**”, set the “**Data format**” property.<br> |
| Change the white space around the chart | Select the chart. Under “**Box**”, set the “**Padding**” or “**Margin**” property. |
| Change the colour or pattern in the palette for columns, lines, and areas | Select the item “**Series**” from the chart object.<br><br>In the properties under “**Colour & Background**”, set the palette or conditional palette property. |
| Change the chart orientation | Select the chart. In the Properties pane, under “**General**” select Chart Orientation, for Vertical or Horizontal presentation. |
| Change the default colour or font for all chart objects | Select the chart. Under “**Colour & Background**”, set the “Background effects”, “**Foreground colour**”, or fill effects property. |

| | |
|---|---|
| |  |
| Override the default font or colour for axes and chart values | Click “**Select a chart object**” then select the “**Axis labels**” or “**Axis title**” to set the “**Font**”, “**Foreground colour**”, or fill effects property.<br><br> |
| Insert a background image or watermark in the chart body. | Select the chart object.<br>In the properties under “**Colour & Background**” select the “**Background effects**” to set the image.<br> |
| Go to another report | Select the chart. Under “**Data**”, set the “**Drill-through definitions**” property. |

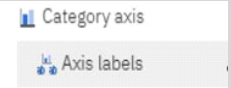
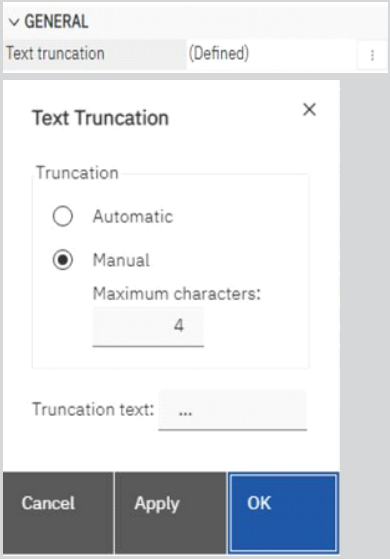
| | |
|---|---|
| Specify which labels and values to use when generating the text shown on the chart | Select the chart. Click “**Select a chart object**” then select the “**Category axis**” “**Axis labels**”.<br><br>In the properties under “General” select “**Text truncation**” to define the maximum of the characters for the values.<br><br>When you show all the labels and values on some chart types, such as scatter charts, bubble charts, and polar charts, the text shown might be too long |

**Table 160: Customizing chart properties**

## 8.9.3 Adding a note to a chart

You can add and position multiple notes on your chart.

- Select the chart object.
- In the Properties pane ( Properties ), under “**Chart Annotations**”, double-click the “**Notes**” property.
- Click the “**New**” icon ( + ).
- Type the note text in the “**Text box**” and click “**OK**”.
- To delete a note, click the note and click the “**Delete**” button ( 🗑 ). To move a note up or down in the list, click the up or down arrows.

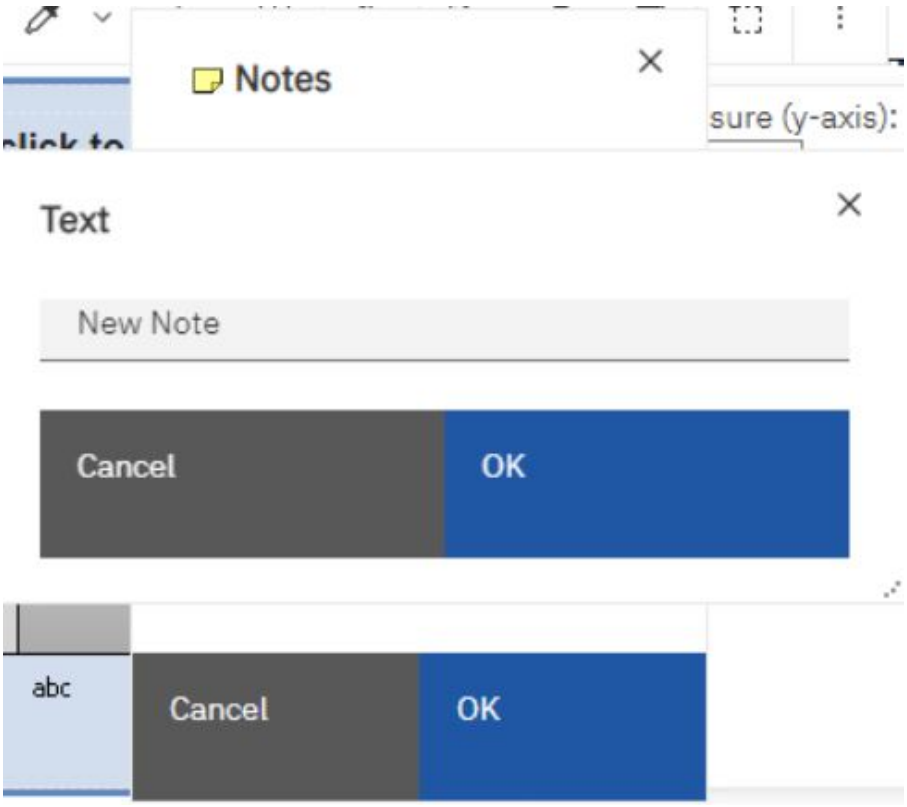



**Figure 551: Adding a note to a chart**

- In the “Notes dialog box”, click “OK”.
- Only for Current Default Chart:
- To position the note, do the following :
  - Click the note icon ( ) in the chart.
  - In the Properties pane, under “**Positioning**”, double-click the “**Position**” property.
  - To align the note horizontally, click the left, middle, or right alignment button.
  - To align the note vertically, click the top, middle, or bottom alignment button.
  - To set the margins around the chart body, type margin values and choose margin units.
  - To display the note at a set distance from the sides of the chart area, from the “**Anchor**” list, click “**Relative to chart**”.
  - To display the note at a set distance from the sides of the chart body, from the “**Anchor**” list, click “**Relative to chart body**”.
  - To display the note at a set distance from a data item, from the “**Anchor**” list, click “**Report expression**”, click the three dots button beside “**Expression**”, and enter an expression in the “**Report expression dialog box**”.
  - To edit the text, double-click the text next to the note object ( ) in the chart.

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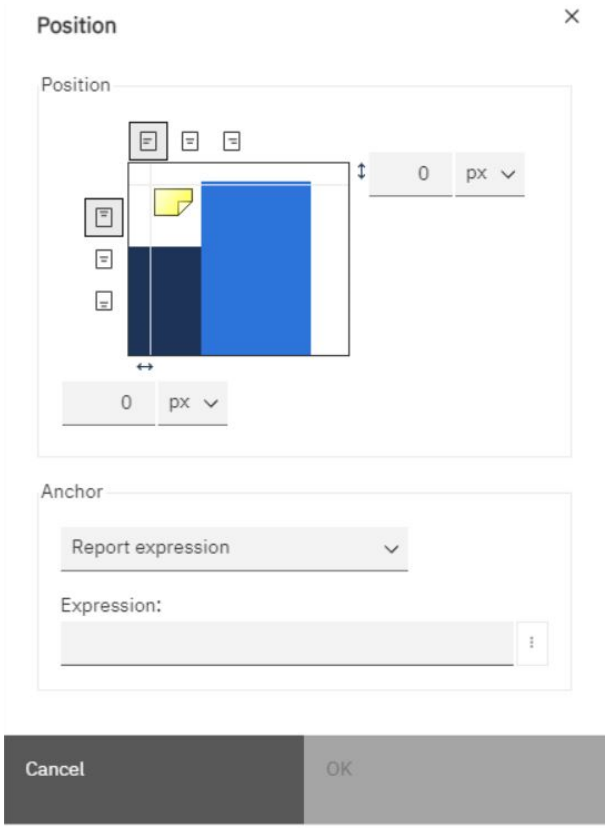



**Figure 552: Adding a note to a chart - Position the node / Expression**

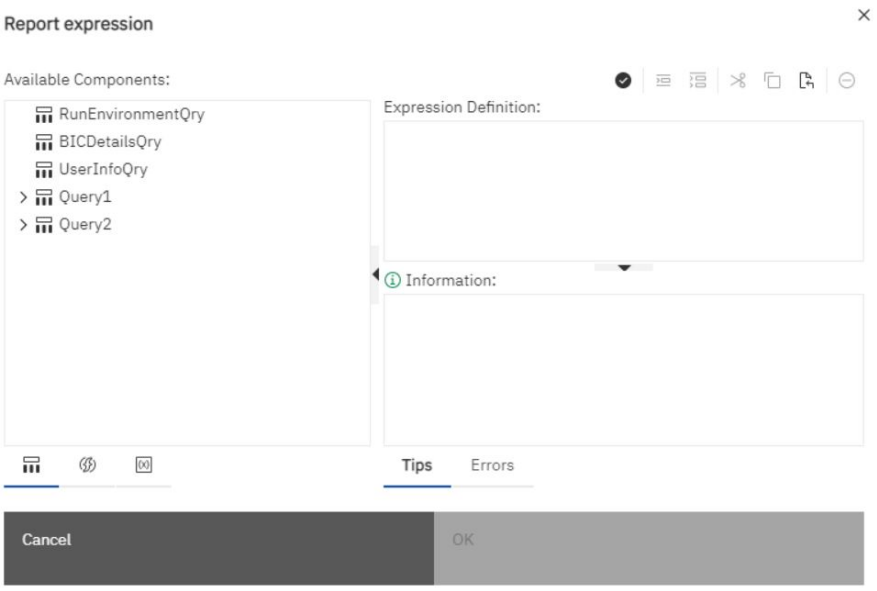



**Figure 553: Adding a note to a chart - Report expression**

## 8.9.4 Adding a baseline to a chart

In charts, you can define baselines by values on the numeric axis or the category axis.

- Click the chart object.
- Depending on your chart and the type of baseline you want to add, in the Properties pane, under “**Chart Annotations**”, double-click the “**Numeric baselines**” or “**Category baselines**” property.




- Click the “**New**” icon ( + ) and choose the type of baseline from the list.

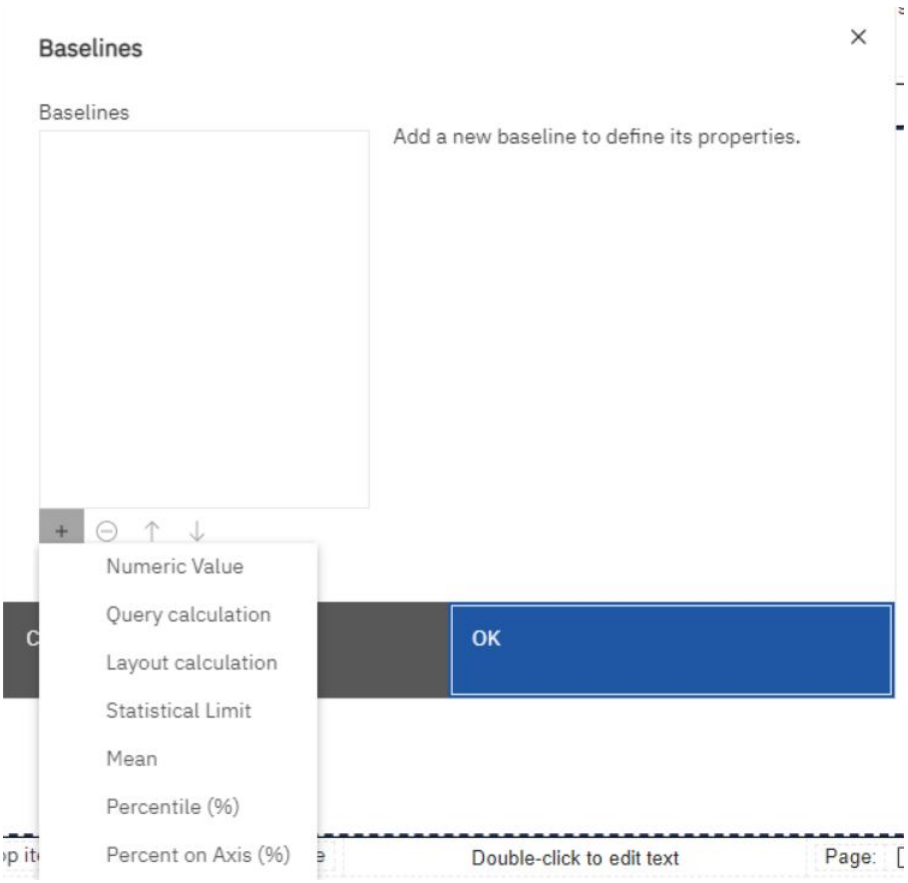



**Figure 554: Adding a baseline to a chart**

- Specify the necessary criteria for the baseline position
- Under “**Baseline Properties**”, type a label for the baseline and specify the line style.
- To remove the baseline from the legend, delete the label.
- If you add more than one baseline, specify their order using the up and down arrows.
- The new baselines appear in the markers, notes, baselines, and trendlines box.
- To change the label that appears next to the baseline, under the markers, notes, baselines, and trendlines box, double-click the placeholder text next to the “**Baseline**” icon ( ) numeric and type your text.
- To change the line style, select the chart and in the Properties pane, under “**Chart Annotations**”, double-click the “**Baselines**”, “**Numeric baselines**”, or “**Category baselines**” property.
- To delete a baseline, select the “**Baseline**” icon ( ) and click the “**Delete**” button ( ).

## 8.9.5 Adding a marker to a chart

Markers are symbols that you add to a chart to designate points of significance that can help you analyse or understand the data.

For example, you might want to add a marker to designate the time when a significant event happened, such as the date when a new product was launched.

You can add a marker to combination, progressive column, pareto, scatter, and bubble charts.

When you define the position of the marker, you define the X- and Y-axes coordinates for the placement of the symbol. You can position the marker in the chart using the following options.

| Option | Position |
|---|---|
| Numeric Value | Uses a static numeric value. |
| Query Calculation | Uses a query calculation from the same query or from a different query. |
| Layout Calculation | Uses a layout calculation. |
| Statistical Minimum | Uses the following expression:<br>25th percentile value - 1.5 * (75th percentile value - 25th percentile value)<br>For example, if 2.5 is the 25th percentile and 7.5 is the 75th percentile, the statistical minimum is -5 [2.5 -1.5(5) = -5].<br>Statistical minimum uses percentiles to determine values, and might not always appear in the chart if the values are off the axis. |
| Statistical Maximum | Uses the following expression:<br>75th percentile value + 1.5 * (75th percentile value - 25th percentile value)<br>For example, if 2.5 is the 25th percentile and 7.5 is the 75th percentile, the statistical maximum is 15 [7.5 +1.5(5) = 15]. Statistical maximum uses percentiles to determine values, so the marker might not always appear on the chart if its value is off the axis. |
| Mean | Uses the statistical mean plus or minus a number of standard deviations based on all charted data values on the specified axis. |
| Percentile | Uses a specified percentile. |
| Percent on Axis | Uses a percentage of the maximum axis value. |

**Table 161: Adding a marker to a chart**

If you apply more than one marker, you can specify the order in which they should be drawn when the re-port runs. If you have two markers with the same coordinates, the first one in the list is drawn first and the next one is drawn after the first.

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To add a marker in a current default chart do the following:

1. Select the chart object.
2. In the Properties pane, under “**Chart Annotations**”, double-click the “**Markers**” property.
3. Click the “**New**” icon ( + ), and then set the marker properties
4. In the Based on box, select the chart object that will determine the marker position.
5. In the “**Numeric position**” box, specify how you want to define the position on the numeric (Y) ax-is.
6. In the “**Category position**” box, specify how you want to define the position on the category (X) axis.
7. In the marker “**Label**” box, type the label that you want to give to the marker.
8. In the marker “**Size**” box, specify the size of the marker symbol.
9. To specify the colour, fill, and shape of the marker symbol, click the “**Colour and style**” box.
10. If you add more than one marker, specify their order by using the up and down arrows.
11. The new markers appear in the “**markers, notes, and baselines box**”.

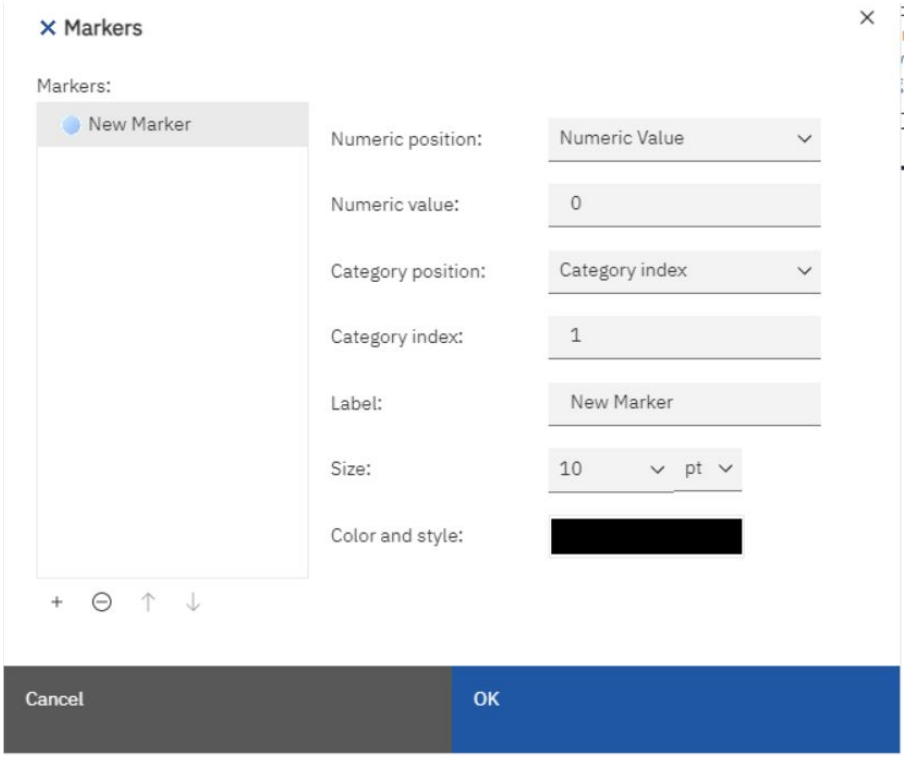



**Figure 555: Adding a marker to a chart**

## 8.9.6 Creating a drill-down Chart

If you use a dimensionally-modelled data source, you can create a chart that allows you to drill down to low-er-level data or drill up to higher-level data.

Drilling up and down allows you to view more general or more detailed information on your data within a predefined dimensional hierarchy.

This is an example of a dimensional hierarchy:

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All Years - Year - Quarter - Month

Before you begin, ensure that you are using a dimensionally-modelled data source.

- Open a chart that uses a dimensionally-modelled data source.
- Click the “**Show properties**” icon ( Properties ), click the “**More**” icon ( ⋮ ), click “ **Options**” ( Options... ), and then, in the “ Edit” section, click on “**Enable drill-up or drill-down links**”.

By default, the system determines which items can be drilled on based on the dimensional structure.

The chart generates links for any item that can be drilled down on.

You can drill down or drill up by right-clicking and choosing the action from the context menu. The menu items are unavailable if an item cannot be drilled up or down on.

## 8.10 Adding prompts to filter data

You can add prompts to a report to add interactivity for users. Prompts act as questions that help users to customize the information in a report to suit their own needs. For example, you create a prompt so that users can select a product type. Only products belonging to the selected product type are retrieved and shown in the report.

Prompts are composed of three interrelated components: parameters, prompt controls, and parameter values. Parameters are based on parameterized filters and form the questions to ask users. Prompt controls provide the user interface in which the questions are asked. Parameter values provide the answers to the questions.

The Reportstudio provides several ways to create prompts.

- build your own prompt and prompt page
- create a parameter to produce a prompt
- insert prompts directly into the report page

In dimensional reporting, you can also define prompts using context filters.

If you include reports from different packages in an interactive dashboard that uses global filters, ensure that you use the same parameter name for the prompt in all the reports. You can also use context filters, also known as slicer filters, to focus the data in your report.

Syntax of Prompt Expressions

Prompt expressions use the following syntax, where p represents the parameter name.

You can also use these expressions to create parameterized data items that you can then use in master detail relationships.

The type of expression you use depends on whether you have chosen relational or dimensional reporting style. For more information about reporting styles, see Relational and dimensional reporting styles.

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| Relational: Detail Filter Expressions | Dimensional: Context (Slicer) or Edge Expressions |
|---|---|
| [*data item*] = ?p?<br>for single-select prompts and master detail relationships | [*level or hierarchy*]->?p?<br>For single-select member prompts and master detail relationships |
| [*data item*] in ?p?<br>for multi-select prompts | set([*level or hierarchy*]->?p?)<br>For multi-select member prompts<br>filter ([*set*], [*property expression*] = ?p? )<br>For single-select value prompts and master detail relationships<br>A property expression is an expression that is assigned to a property to enable dynamic update of the property when the report runs.<br>filter ([*set*], [*property expression*] IN ?p? )<br>For multi-select value prompts<br>A property expression is an expression that is assigned to a property to enable dynamic update of the property when the report runs. |

**Table 162: Adding prompts to filter data**

## 8.10.1 Build your own Prompt and Prompt page

Create your own prompt and prompt page to control how they appear in a report.

**Procedure**

1. In the navigation menu, click “**Report**” and then click “**Prompt pages**”.

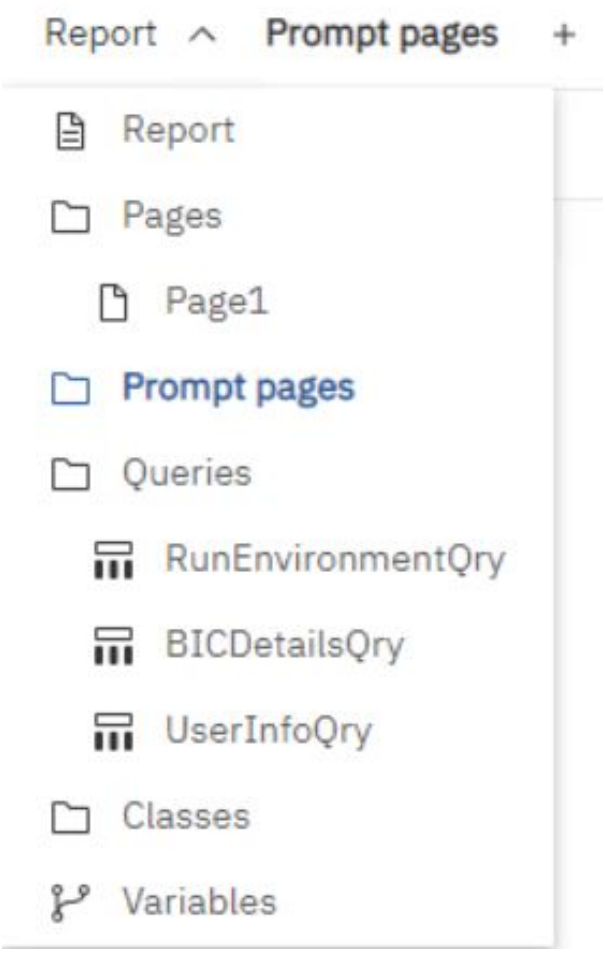



**Figure 556: Build your own Prompt and Prompt page**

- Click the "**Toolbox**" icon (_____), and drag "**Page**" to the "**Prompt pages box**".
- Double-click the page you just created.

- Click the "**Toolbox**" icon (_____), expand "**Prompting**", and then drag one of the following prompt controls to the prompt page.

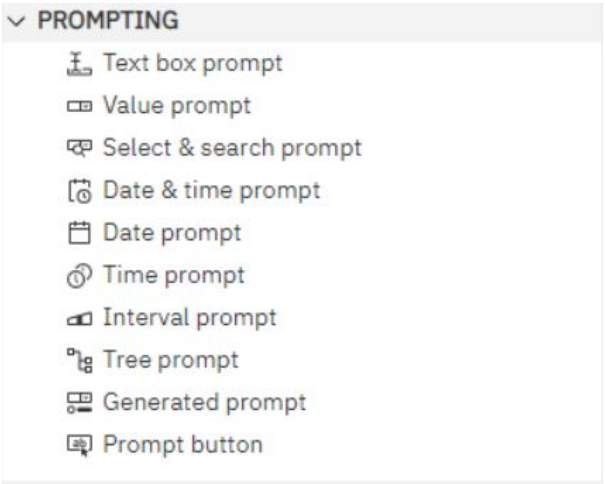



**Figure 557: Build your own Prompt and Prompt page - Prompting**

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| Prompt control | Description |
|---|---|
| Text box prompt | Retrieves data based on a value that user's type. Use this control when users know exactly what value they want to enter, such as a name or account number. |
| Value prompt | Retrieves data based on values that users select from a list. Use this control to show a list of possible values from which users can choose. The maximum number of items that can appear in a list is 5000. |
| Select & search prompt | Retrieves values based on search criteria that users specify. Data is then retrieved based on values users select from the search results. Use this control instead of a value prompt if the list of values is very long, which can slow down performance. Users have the option of performing a case sensitive or case insensitive search. A case sensitive search is faster, while a case insensitive search usually returns more values. You cannot use this control if you are working with SAP BW data sources. |
| Date prompt | Retrieves data based on a date that users select. Use this control to filter a date column. Users can retrieve data for a specific day, a set of days, or a range of days. |
| Time prompt | Retrieves data based on a time that users select. Use this control to restrict a report to a particular time or time range. For example, users can see how many orders are received after business hours. Users can then use this information to determine the number of staff needed to work after hours. |
| Date & time prompt | Retrieves data based on a date and time that users select. Use this control to filter a datetime or timestamp column. This control is useful for specifying ranges. For example, users can retrieve all orders received from Monday at 12:00 a.m. to Friday at 5:00 p.m. |
| Interval prompt | Retrieves data based on a time interval that users specify. Use this control to retrieve data that is related to the passage of time. For example, users can retrieve a list of products that were returned 30 or more days after they were purchased. |
| Tree prompt | Retrieves data based on values that users select from a list. Values are organized hierarchically. This control is useful when you are working with dimensional data sources. Data is shown from the top of a dimension hierarchy to the most detailed member, and users can |

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| | |
|---|---|
| | choose the level of detail they want to view in the report. For more information about tree prompts, see Control the Data That Appears in a Tree Prompt. Tree prompts let you page through large numbers of prompt values with a More link at the bottom of the tree. |
| Generated prompt | Selects a prompt control based on the data type of the data item. This control acts like a placeholder. When users run the report, the control is replaced by the appropriate prompt control. For example, if users are prompted for date values, the control is replaced by a date & time prompt. |

**Table 163: Build your own Prompt and Prompt page**

The Prompt Wizard dialog box appears.

- If you are creating a text box, date, time, date and time, interval, or generated prompt, do the following:
  - Create a new parameter for the prompt or use an existing or global parameter.
  - Click “**Next**”.

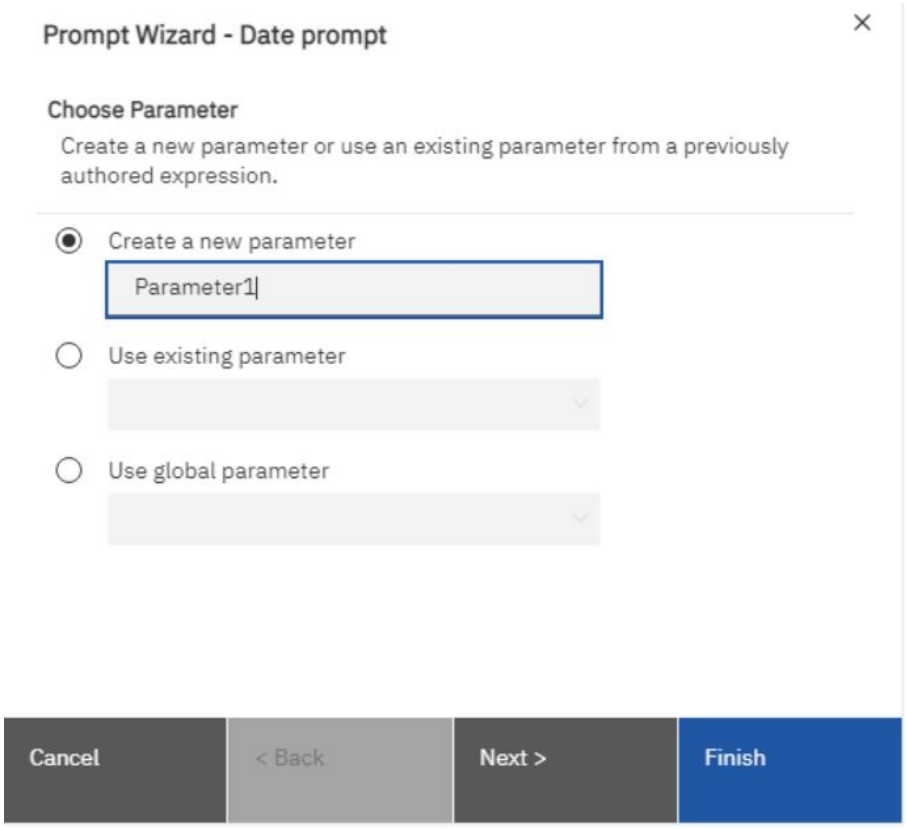



**Figure 558: Build your own Prompt and Prompt page - Prompt Wizard dialog box**

  - If you created a new parameter, define the expression by selecting a data item from the package and the operator to use.
  - Make the prompt optional clicking the left side of the “**Make the filter optional**” check box.

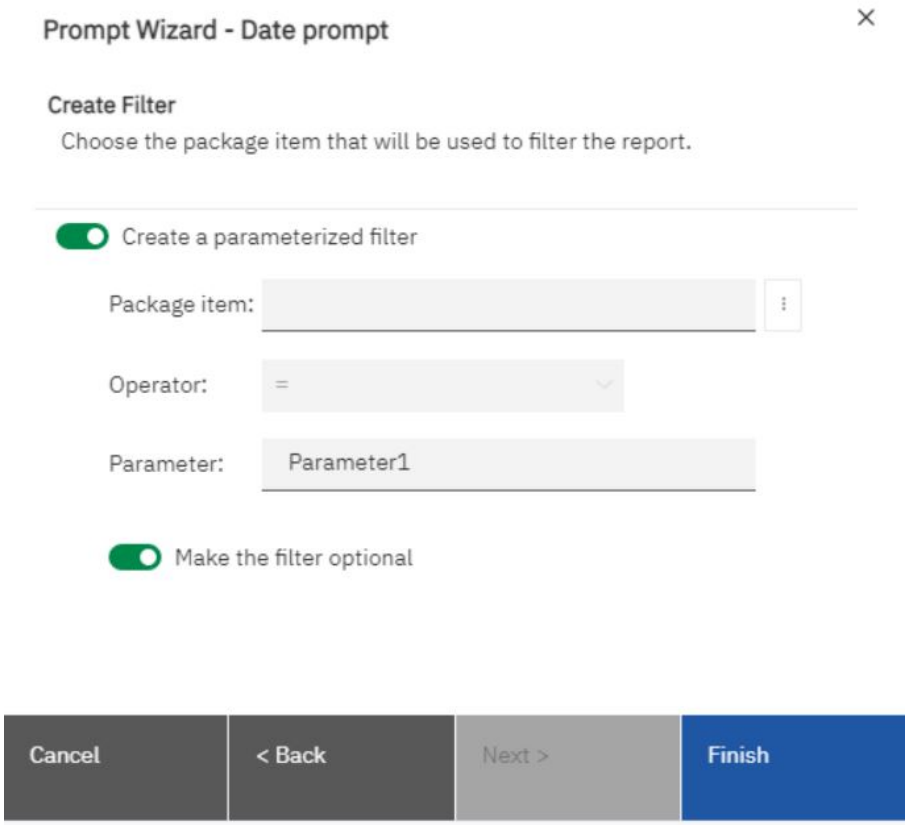



**Figure 559: Build your own Prompt and Prompt page - Prompt Wizard dialog box - Make the filter optional**

- If you are creating a “**Value**”, “**Select & search**”, or “**Tree**” prompt, do the following:
  - Create a new parameter for the prompt or use an existing or global parameter.
  - Click “**Next**”.
  - If you created a new parameter and you want to use the parameter to filter data, select the “**Create a parameterized filter**” check box and define the expression by selecting a data item from the package and the operator to use.
    - If you are creating a tree prompt, you must choose “in” in the “Operator” box.

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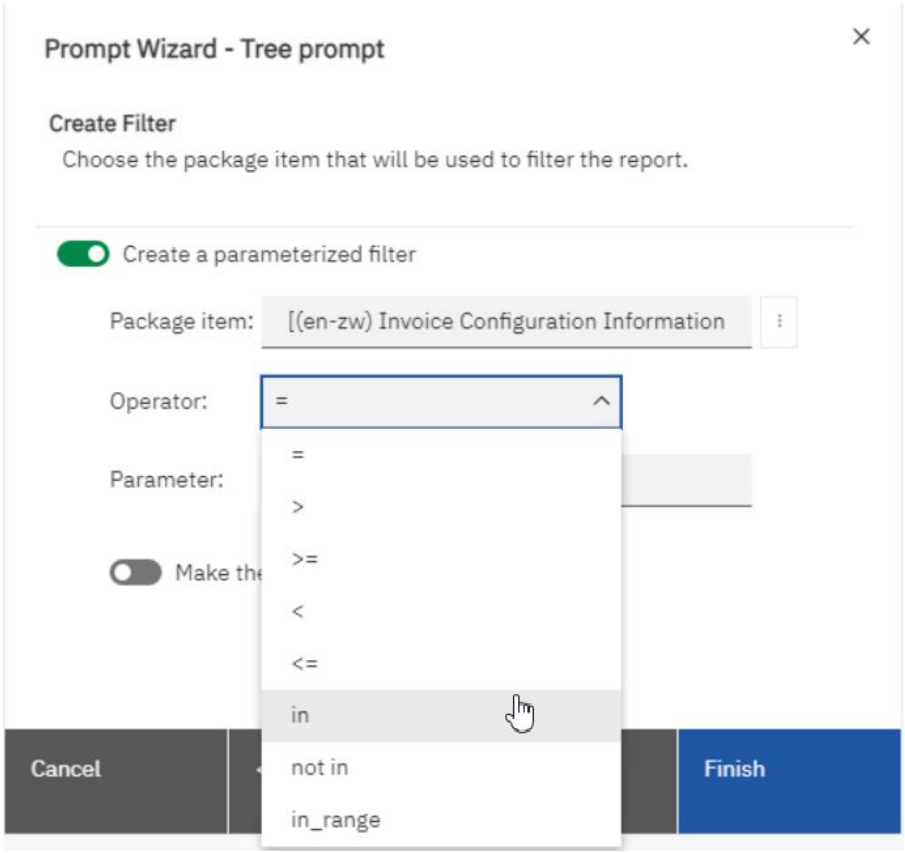



**Figure 560: Build your own Prompt and Prompt page - Prompt Wizard - Tree prompt**

- You can also use a parameter to provide a value for a layout calculation, such as showing a user's name in the report. When the report is run, you can use a parameter to prompt the user to type his name and have it appear in the report.
- Make the prompt optional by clicking the left side of the “Make the filter optional” check box.

– Click “**Next**”.

– If you created a parameterized filter and you have more than one query defined in the report, select the check box for the query on which to filter and click “**Next**”.

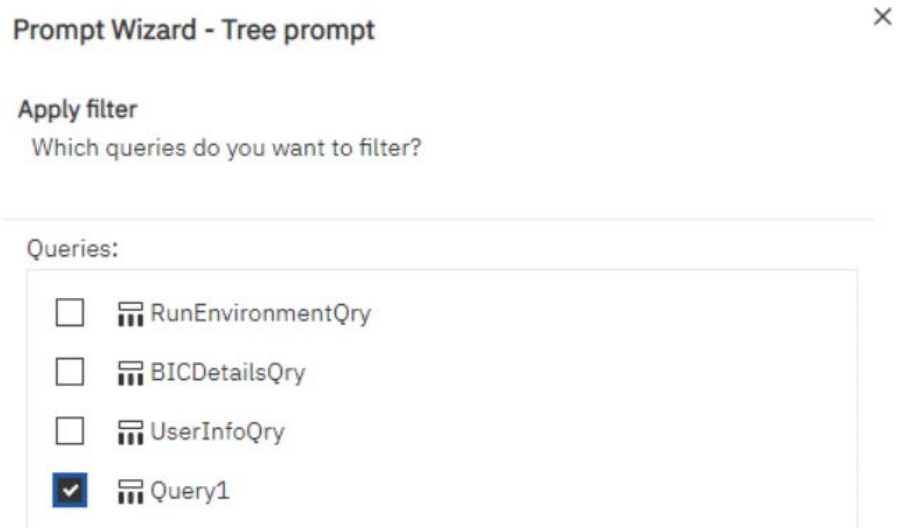



**Figure 561: Build your own Prompt and Prompt page - Prompt Wizard - Tree prompt - Apply filter**

- Select the “**Create new query**” check box to create the query that will be used to build the list of da-ta values shown when the report is run.

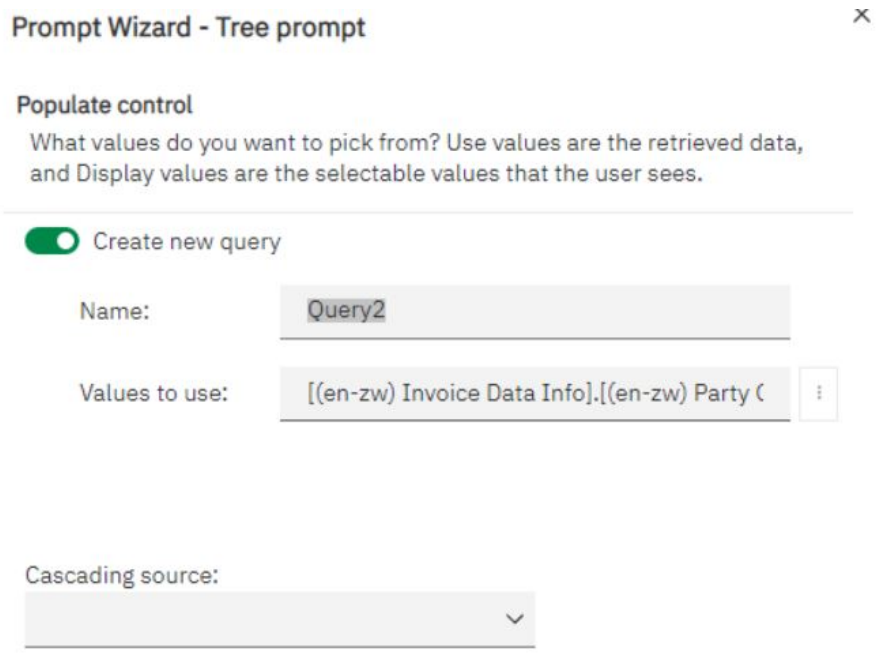



**Figure 562: Build your own Prompt and Prompt page - Prompt Wizard - Tree prompt - Create new query**

- Do not create a new query if you want to link the prompt to an existing query or if you intend to create the query at a later time.
- Click the tree dots button beside Values to use and click the data item on which to prompt.

- To choose a data item that is different than what users will see when they are prompted, click the tree dots button  beside “**Values to display**” and click the data item.
  - To create a cascading prompt, in the “**Cascading source**” box, click the parameter that represents the cascade source.
- Click “**Finish**”.

  The prompt control is added to the prompt page. A prompt page is like a report page. You can insert graphics and text and apply formatting.

  You can also modify the properties of the prompt control by clicking it and making changes in the Properties pane.

## 8.10.2 Create a Prompt Directly in a Report Page

You can add prompt controls directly in a report page instead of creating a prompt page.

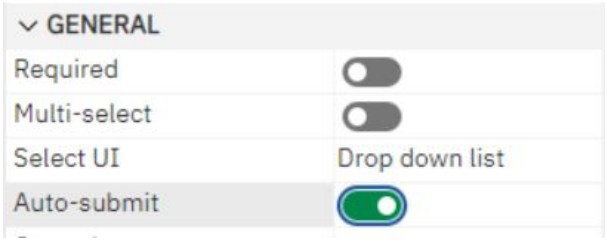
Prompt controls that are added to report pages will not appear in the following:

- saved reports
- PDF reports
- scheduled reports

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Prompt controls are interactive. They are used to satisfy parameter values before running a report. As a result, prompt controls added to a report page only appear when you run the report in HTML format. When you run a report in HTML format, users select which values they want to see, and the report is refreshed, producing a new report.

For the previously listed non-interactive reports, prompt parameter values must be collected and satisfied before the report is run. If you wish to create a prompt directly to the prompt page, make sure to set the "**Required**" under the "**General**" properties to "**No**", the "**Auto-submit**" to "**Yes**" and the "**Usage**" of the "**Detail Filters**" to "**Optional**".




To set the "**Detail Filters**" to "**Optional**" select the query that renders the results, click on the filter and set it up in the properties.

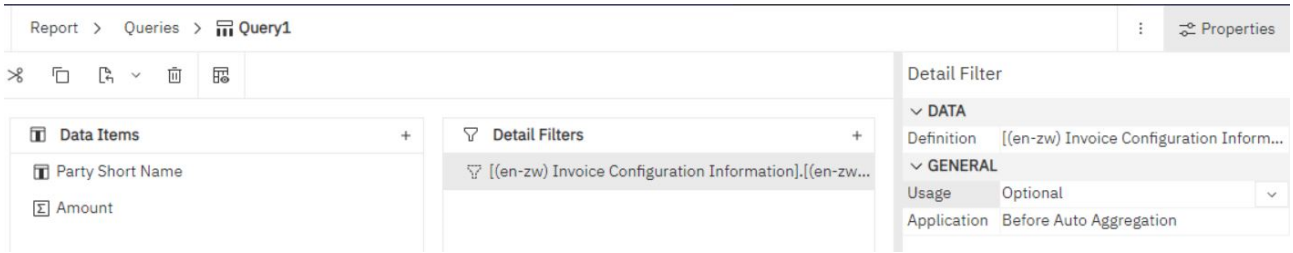



**Figure 563: Create a Prompt Directly in a Report Page**

For inserting a prompt in your report page do the following:

- Click the "**Toolbox**" icon ( ), drag a prompt control to the report.

The Prompt Wizard dialog box appears.

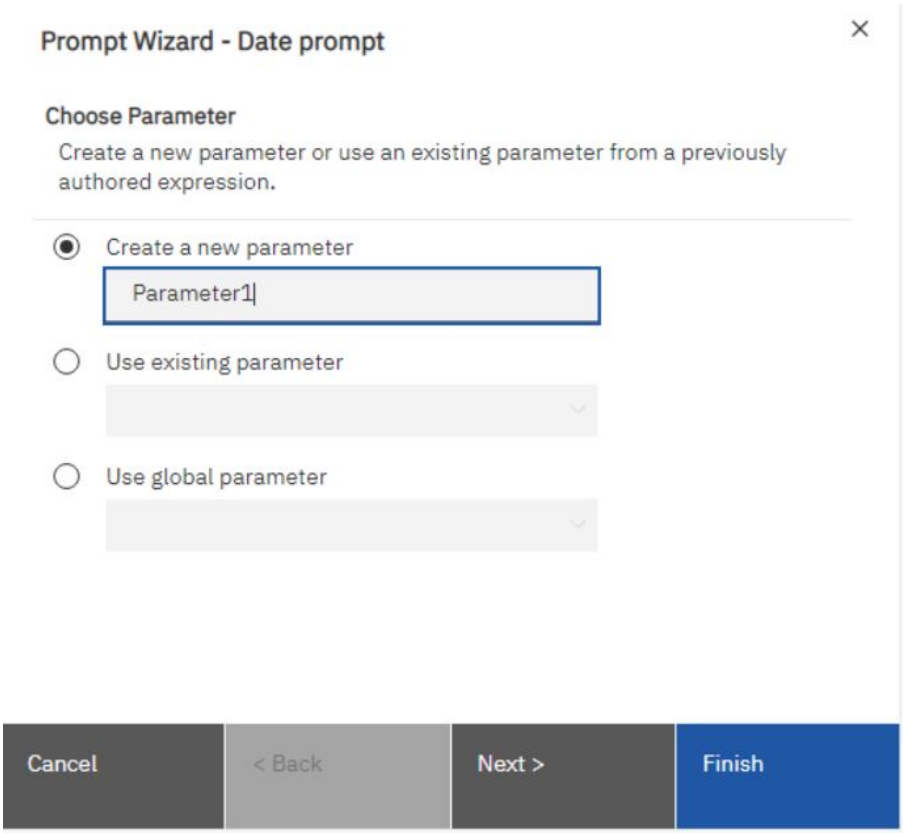



**Figure 564: Create a Prompt Directly in a Report Page - Prompt Wizard - Date prompt**

- Provide the information necessary to create the prompt.

  Make the prompt optional by clicking the left side of the "**Make the filter optional**" check box. Otherwise, when you run the report for the first time, the prompt appears in a generated prompt page rather than in the report page. Alternatively, you can specify a default selection for the prompt.

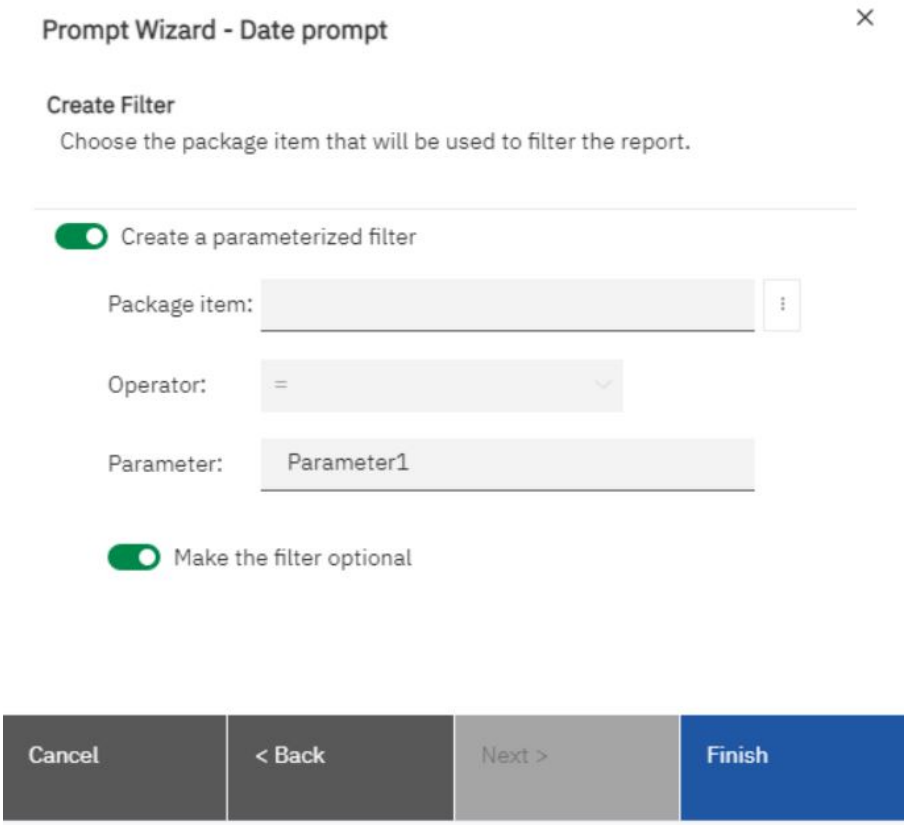
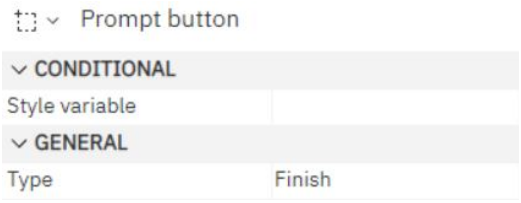



**Figure 565: Create a Prompt Directly in a Report Page - Prompt Wizard - Date prompt - Make the filter optional**

- In the work area, click the prompt.
- In the Properties pane, set the "**Auto-submit**" property to "**Yes**".

  If you do not set the "**Auto-submit**" property to "**Yes**", the report will not refresh when users select a different prompt value.

  An alternative to setting the prompt to auto-submit is to add a prompt button from the "**Toolbox**" icon ( ) and set its "**Type**" property to "**Finish**".




The prompt control is added to the report page. You can modify its properties by clicking it and making changes in the Properties pane.

## 8.10.3 Control the data that appears in a tree prompt

You can control what data appears in a tree prompt and how the data is structured to get the results that you want. To do this, you add various functions to the filter expression.

In addition, the operator that you chose in the “**Prompt Wizard**” dialog box controls what appears next to each prompt value. If the “**Operator**” is “**in**” or “**not in**”, check boxes appear next to each prompt value. If the “**Operator**” is equals “**(=)**”, no check boxes appear.

Please be advised that the tree prompt could only be used with multidimensional data.

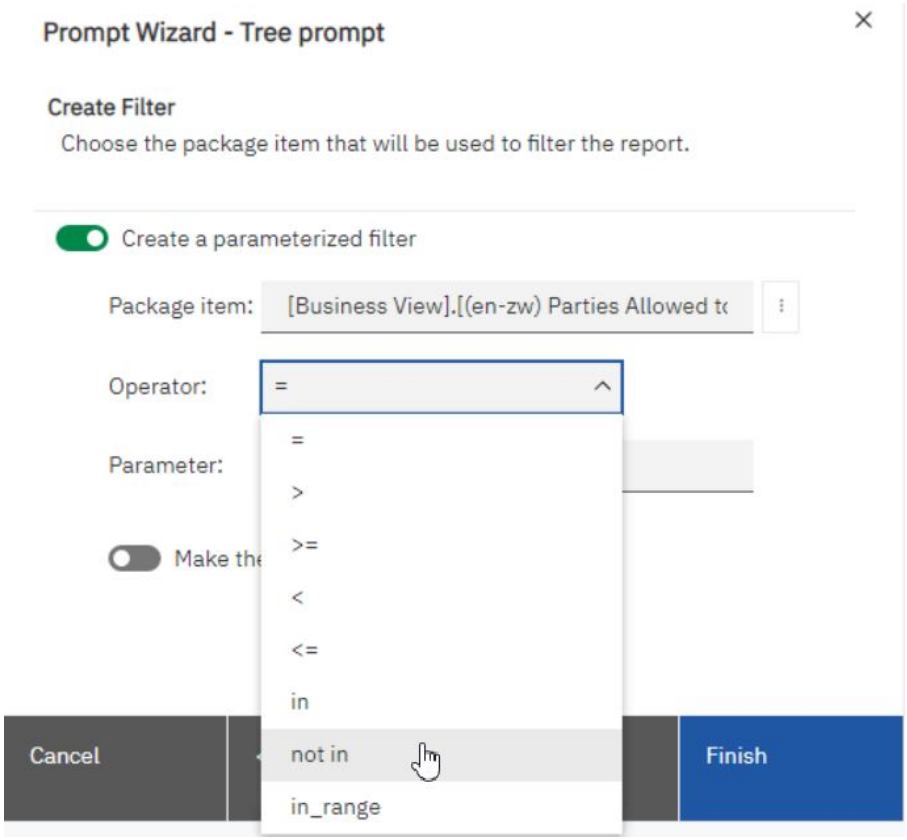



**Figure 566: Control the data that appears in a tree prompt - Prompt Wizard - Operator**

- Click the “**Data items**” icon ( ), and click the query that is associated with the prompt.
- In the Data Items pane, double-click the data item on which you are prompting.
- In the “**Expression Definition**” box, type one of the following functions.

| Goal | Function |
|---|---|
| Show the hierarchical structure of all members in the hierarchy. If this function is not used, all members are shown in a flat list. | rootmembers (data_item) |
| Show the descendants of the data item in a hierarchical structure where x represents the level. For example, if you are prompting on the Year hierarchy and x=1, you will see 2020, 2021, and 2022 in the tree. If x=2, you will see 2020 Q1, 2020 Q2 etc. | descendants (rootmembers (data_item), x) |

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| | |
|---|---|
| Show the children of a member. For example, 2018 Q1, 2018 Q2, 2018 Q3, and 2018 Q4 appear for the member 2018. | children (member) |

**Table 164: Control the data that appears in a tree prompt**

## 8.10.4 Modifying prompts

For each prompt you create, you can modify its properties by specifying values in the Properties pane. Some properties you set for a prompt may be overridden under some conditions. For example, some properties set for the filter associated with a prompt may override the corresponding prompt property. By default, when you create a prompt, the Reportstudio selects the prompt control interface. You can change the prompt control interface depending on the type of prompt you created.

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### 8.10.4.1 Choose a drop-down list, a list box, or a radio button group:

The following example is made for a value prompt:

- Click the prompt control.
- In the Properties pane, set the “**Select UI**” property to the interface

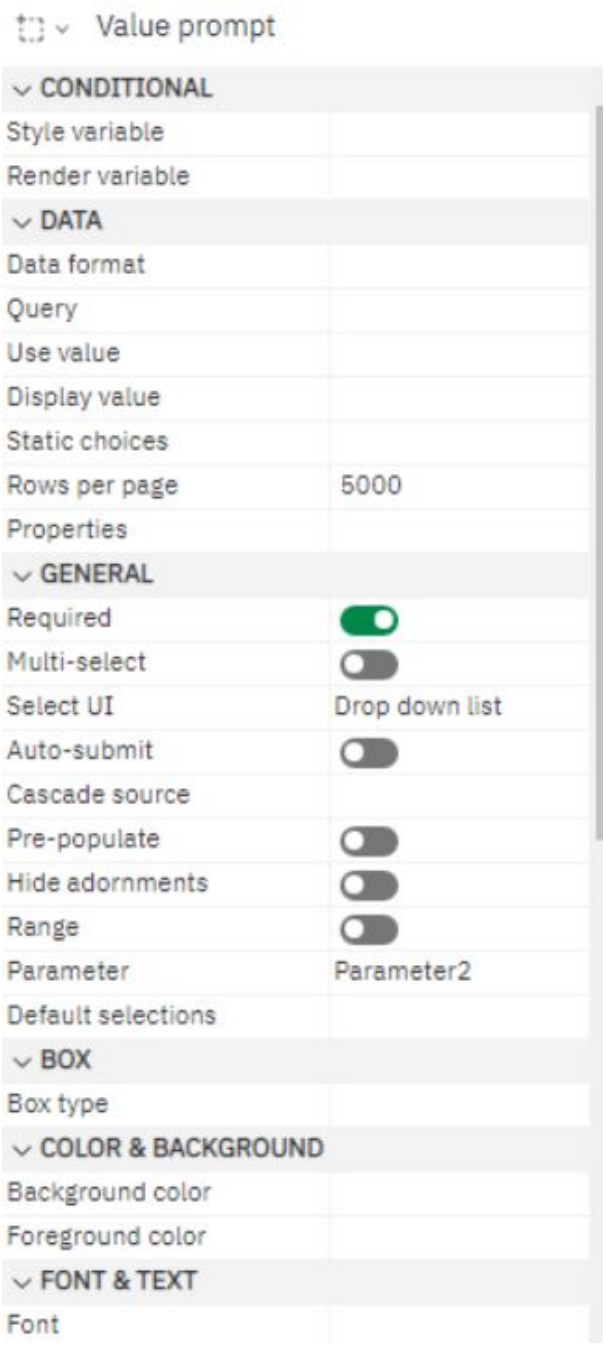



**Figure 567: Modifying prompts - Properties - General - Select UI - List box**

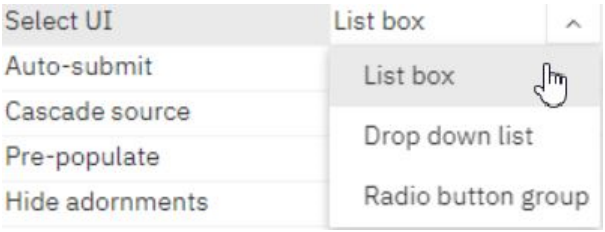



**Figure 568: Modifying prompts - Properties - General - Select UI - List box**

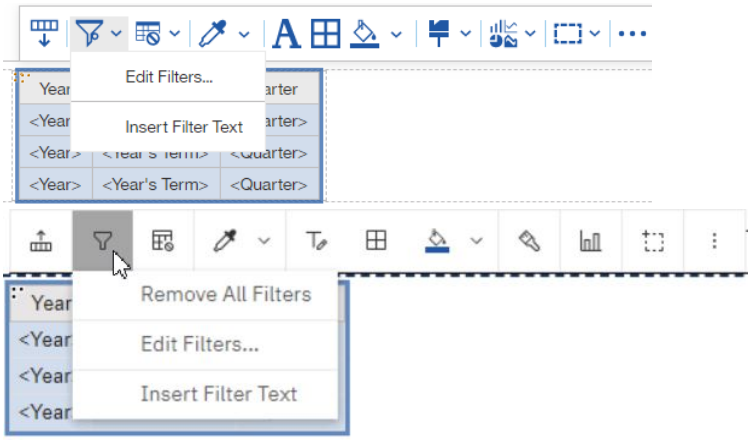
### 8.10.4.2 Prompt requires user input

You can specify that a prompt requires user input before the report can run.

- Click the prompt control.
- In the Properties pane, click the left side of the "**Required**" property checkbox.




- Click the "**Pages**" icon ( Pages ), and click a report page.
- Click the report object associated with the prompt, from the report object toolbar, click "**Filters**" and then click "**Edit filters**".




- Click the filter associated with the prompt.
- In the "**Usage**" box, click "**Required**".

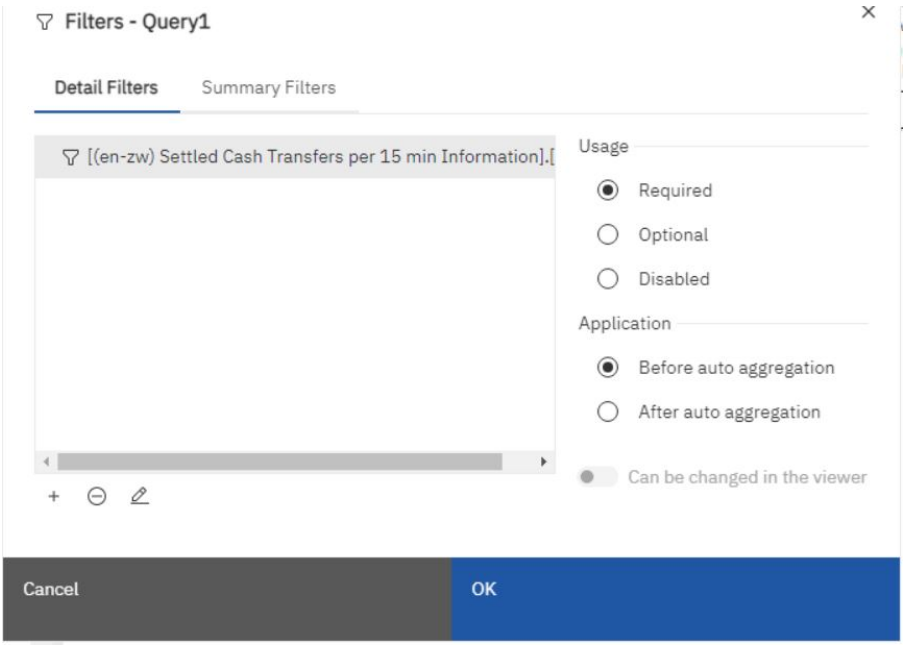



**Figure 569: Modifying prompts - Filters - Usage box**

When you run the report, a star appears next to the prompt indicating that the user must select or type a value.

If you have a cascading prompt and the parent prompt control is required, the child prompt control is disabled. This ensures that users choose at least one value in the parent prompt before they can choose a value in the child prompt. Conversely, if the parent control is optional, then the child control is populated. This gives users the ability to choose values in the child prompt without having to choose a value in the parent prompt.

### 8.10.4.3 Selecting multiple values in a prompt

You can create a prompt in which a user can select more than one value. For example, you have a prompt to select a product line. You can set the prompt so that users can select more than one product line. If you enable multiple selections, the “Autosubmit” property is always set to “No”.

If you have a prompt that is used in both a single value context and a multivalue context, the most restrictive context (usually the single value context) takes precedence. If you run into a problem where you have a multivalue prompt but can only select one value, then check to see if the prompt is used in more than one context.

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- Click the prompt control.
- In the Properties pane, choose whether to allow users to specify more than one value or a range of values:
  - To allow users to specify more than one value, set the "**Multiselect**" property to "Yes".

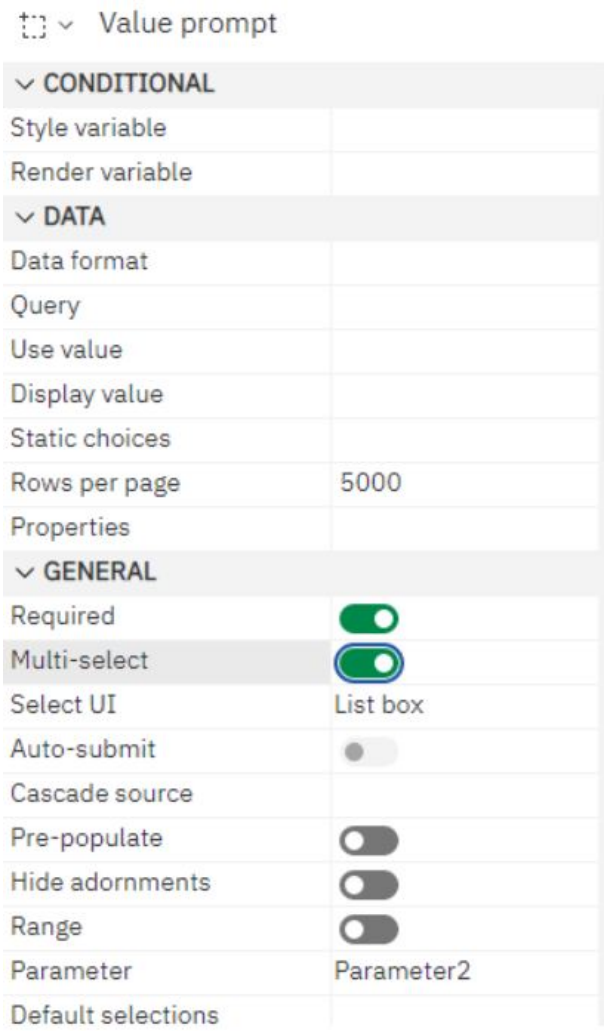



**Figure 570: Modifying prompts - Properties - General - Multi-select**

- Click the "**Pages**" icon ( Pages ), and click a report page.
- Click the report object associated with the prompt, from the report object toolbar, click "**Filters**" ( ) and then click "**Edit filters**".
- Double-click the filter associated with the prompt.

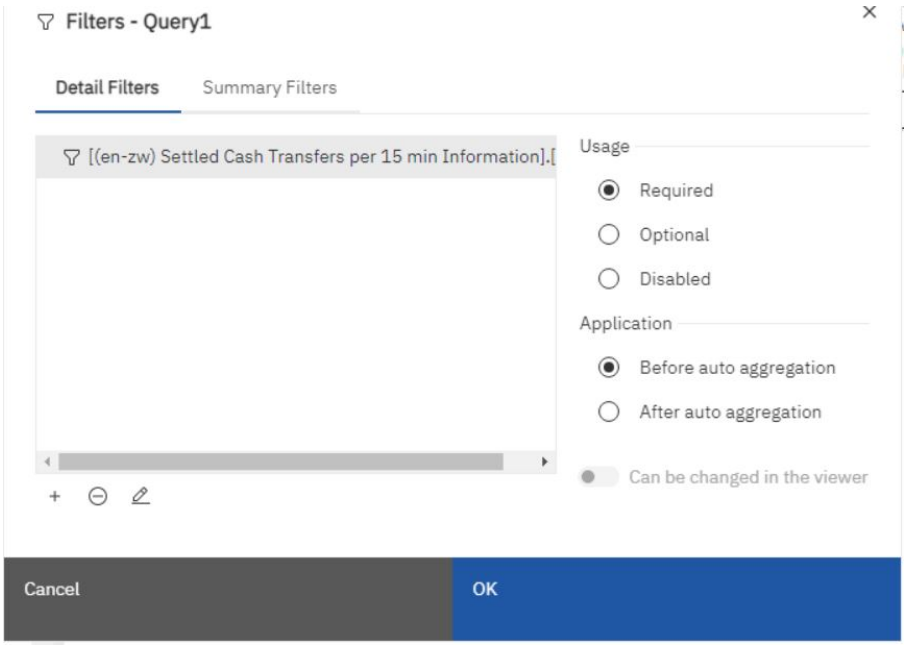



**Figure 571: Modifying prompts - Filters - Edit filters**

Click the "**Edit**" icon ( ) and type an operator like the following example:

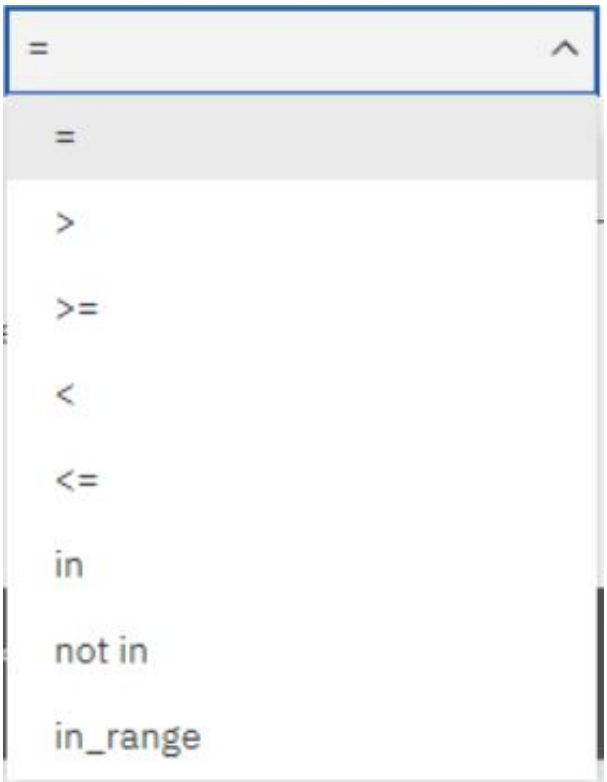



**Figure 572: Modifying prompts - Operator**

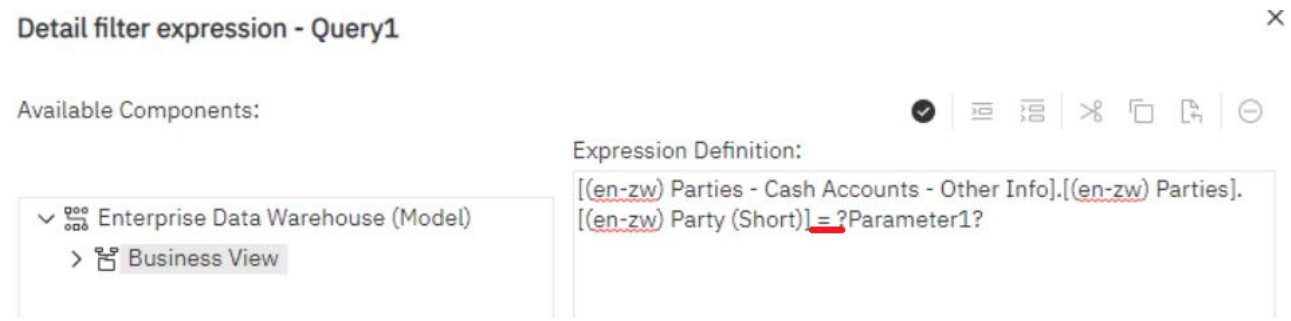



**Figure 573: Modifying prompts - Detail filter expression**

- If you are creating a multi-select prompt, change the "**Operator**" to "**in**". For example, [Product_line] in ? Product line? where [Product_Line] is the name of the data item allows users to select multiple product lines.
- If you are creating a range prompt, change the "**Operator**" to "**in_range**". For example, [Margin] in_range ? Margin? where [Margin] is the name of the data item allows users to specify a margin range.

After creating the prompt you can hold "**Strg**" to select more than one value.

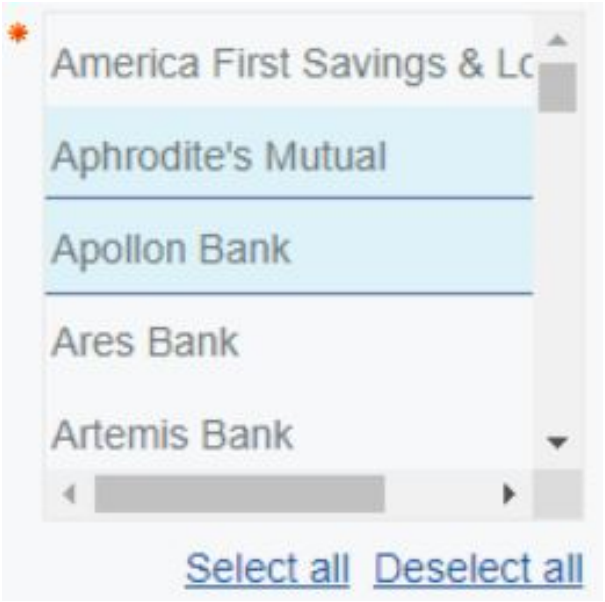
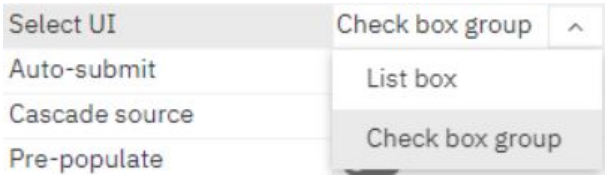



**Figure 574: Modifying prompts - Select more than one value**

Another possibility is to click the prompt control and set the "**Select UI**" in the properties to "**Check box group**".



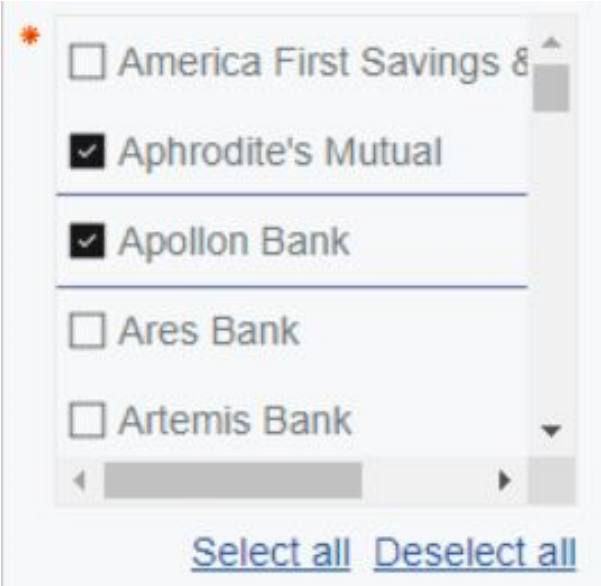



**Figure 575: Modifying prompts - Check box group - Select more than one value**

### 8.10.4.4 Show or Hide Prompt Status

Each prompt you create in a report provides dynamic validation when the report is run. Validity checks are performed to ensure that the data is correct and that required values are supplied. For example, a star appears next to each required prompt. Click the prompt control.

- In the Properties pane, under "**General**" click the right side of the "**Hide adornments**" property to hide the prompt characters or click the left side to show them.

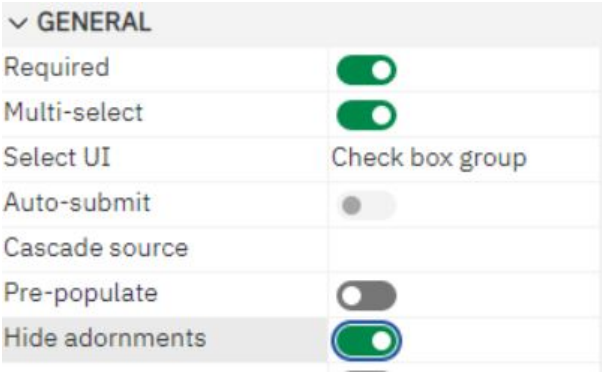



**Figure 576: Modifying prompts - Properties - General - Hide adornments**

### 8.10.4.5 Specify a Default Selection for a Prompt

You can specify a default selection for a prompt so that users do not have to select or type a value when they run the report.

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1. Click the prompt control.
2. To define a range of values, in the Properties pane, click the right side of the “**Range**” property.
3. To specify more than one default selection, in the Properties pane, click the right side of the “**Multi-select**” property to “**Yes**”.
4. In the Properties pane, double-click the “**Default selections**” property.
5. Click the “**Add**” button ( + ) and do one of the following:
   - If you chose to define a single value, type the value as the default selection.
   - If you chose to define a range of values, type the minimum and maximum values of the range in the “**Minimum value**” and “**Maximum value**” boxes, respectively.

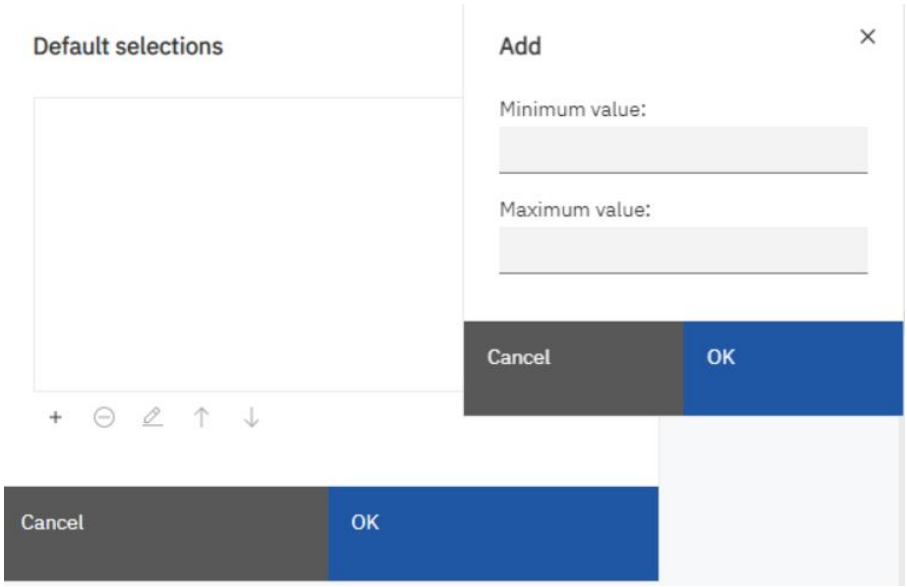



**Figure 577: Modifying prompts - Properties - Default selections - Minimum value/ Maximum value**

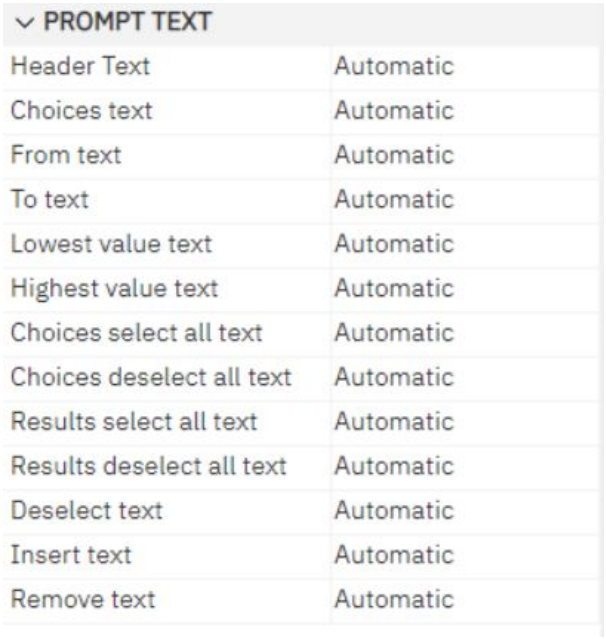
6. Repeat step 4 to specify other default selections.

### 8.10.4.6 Customize Prompt Text

You can customize the instructional text that appears around prompts. For example, a value prompt with multiple selections includes a “**Select all**” link below the choices that you can customize to text other than “**Select all**”.

- Click the prompt control.
- To change the default prompt text, in the Properties pane, double-click any of the properties under “**Prompt Text**” which you want to change.

When you select a property in the Properties pane, its description appears in the information pane below the Properties pane.



| PROMPT TEXT | |
|---|---|
| Header Text | Automatic |
| Choices text | Automatic |
| From text | Automatic |
| To text | Automatic |
| Lowest value text | Automatic |
| Highest value text | Automatic |
| Choices select all text | Automatic |
| Choices deselect all text | Automatic |
| Results select all text | Automatic |
| Results deselect all text | Automatic |
| Deselect text | Automatic |
| Insert text | Automatic |
| Remove text | Automatic |

**Figure 578: Modifying prompts - Properties - Prompt Text**

- Click “**Specified text**”, and then click the three dots button.

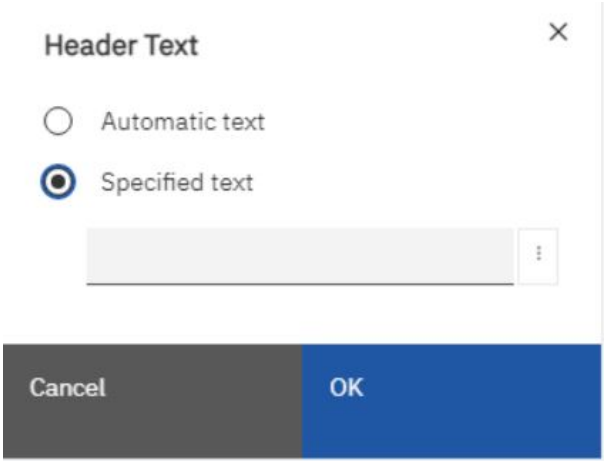



**Figure 579: Modifying prompts - Properties - Prompt Text - Header Text**

- In the “**Localized text**” dialog box, type the text that you want to appear.

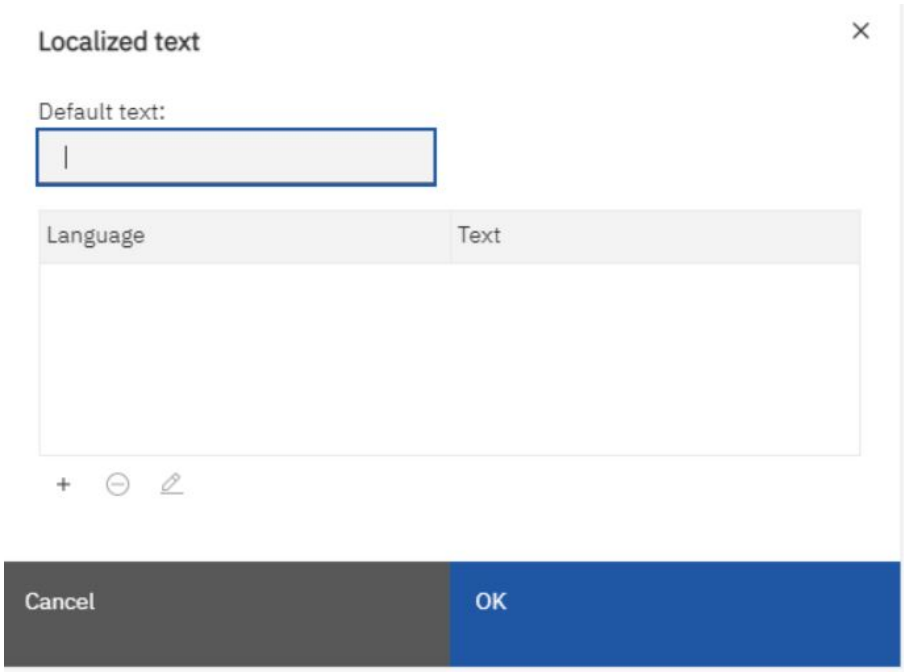



**Figure 580: Modifying prompts - Properties - Prompt Text - Header Text - Localized Text**

### 8.10.4.7 Add prompt buttons

Add prompt buttons so that users can submit selected items, cancel reports, or navigate between pages. When you are building prompts and prompt pages, you may have to add “**Prompt buttons**” to submit selections. Some prompt controls, such as the “**Value prompt**”, can be set to submit selections automatically. Other prompt controls, such as the “**Date prompt**”, require a “**Prompt button**”.

- Click the “**Toolbox**” icon ( ), drag “**Prompt button**” to the work area.

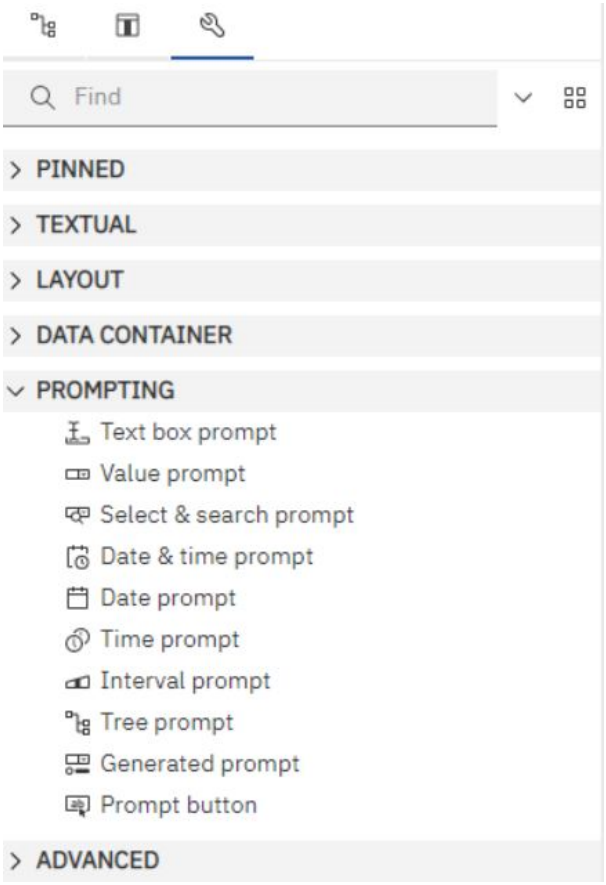



**Figure 581: Modifying prompts - Add prompt buttons - Toolbox - Prompt button**

- Click the prompt button and, in the Properties pane under “**General**”, set the “**Type**” property to one of the following actions.

| Goal | Action |
|---|---|
| Cancel the report | Cancel |
| Go to the previous prompt page | Back |
| Go to the next prompt page | Next |
| Run the report | Finish |
| Reprompt the user<br>Reprompting users is useful when you have cascading prompts. | Reprompt |

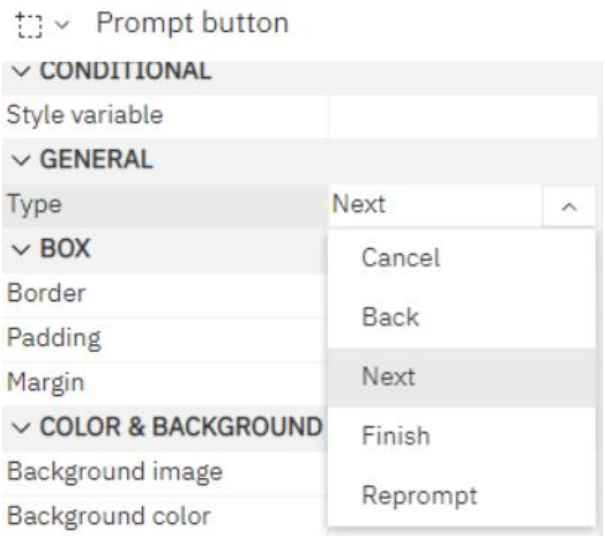



**Figure 582: Modifying prompts - Add prompt buttons - Prompt button properties - General - Type**

### 8.10.4.8 Create a Cascading Prompt

Create a cascading prompt to use values from one prompt to filter values in another prompt. For example, a report contains the columns “Product line” and “Product type”. You create prompts for these columns, and you specify that the “Product type” prompt is a cascading prompt that uses “Product line” as the source. When users select a product line, they see only the product types related to the selected product line.

- To make the cascading source a required prompt, select it and, in the Properties pane, set the “**Required**” property under “**General**” to “**Yes**”.
- Click the prompt control to use as a cascading prompt.
- In the Properties pane, double-click the “**Cascade source**” property.

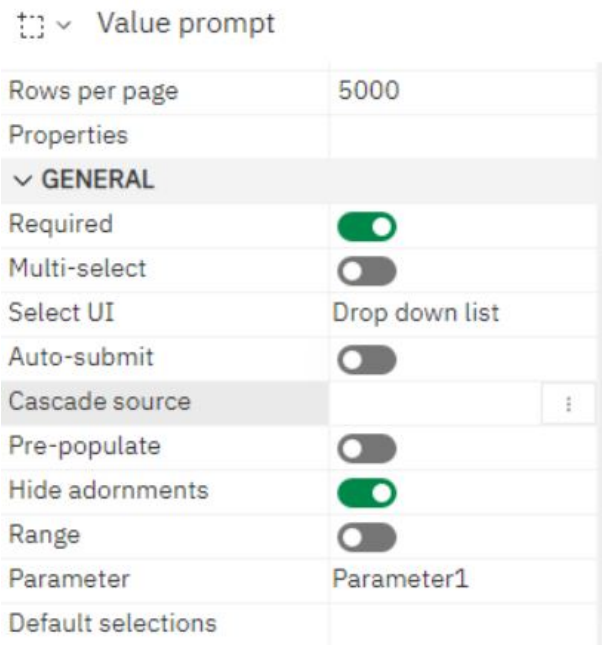



**Figure 583: Modifying prompts - Value prompt - Properties - General - Cascade source**

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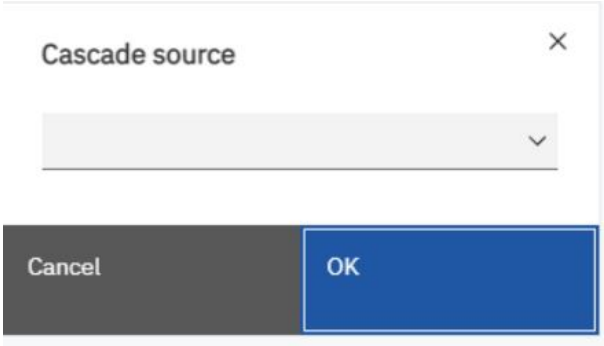
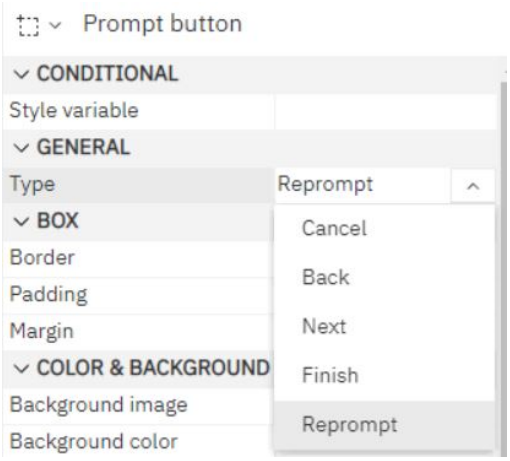



**Figure 584: Modifying prompts - Value prompt - Properties - General - Cascade source - Select Parameter**

- Click the parameter that represents the cascade source.
- If the prompt allows users to select multiple values, add a "**Prompt button**" to the cascade source to provide the cascading prompt with the appropriate values:
  - Click the "**Toolbox**" icon ( ), drag "**Prompt button**" to the report.
  - Click the prompt button and, in the Properties pane, set the "**Type**" property to "**Reprompt**"




  - To change the text in the prompt button, click the "**Toolbox**" icon ( ), drag the "**Text item**" from the toolbox to the prompt button and type the text.

# 9 Additional information

## 9.1 DWH data objects

The following table contains all data objects used in predefined reports as prompt or output data. The user can also choose these objects for user defined reports. DWH data objects are attributes, which contain business information.

| DWH objects | Description | Measure/Object |
|---|---|---|
| Account Balance at EoD | Account balance of a cash account per day at close of business | Measure |
| Account Balance at SoD | Account balance of a cash account per day at start of business | Measure |
| Account BIC | BIC11 of the account | Object |
| Account Monitoring Group name | Name of the Account Monitoring Group | Object |
| Account number | The account number is an alphanumerical string which uniquely identifies an account | Object |
| Account owner BIC | BIC11 of an account owning party | Object |
| Account owner name | Name of an account owning party | Object |
| Account type | Types of cash accounts which can be debited and credited, e.g. MCA | Object |
| Accrued excess reserve interest amount (non-exemption tier) | Accrued interest amount for Effective MR requirement reached, calculated Actual/360 using the "Excess reserve interest rate (non-exempt tier)" of the current maintenance period, and the average of MR amount totals during the current minimum reserve maintenance period, which exceeds the sum of MR obligation and exempt excess reserve. | Measure |
| Accrued excess reserve interest amount (exemption tier) | Accrued interest amount for Effective MR requirement reached, calculated Actual/360 using the "Excess reserve interest rate (exempt tier)" of the current maintenance period, and the | Measure |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| | average of MR amount totals during the current minimum reserve maintenance period, which exceeds the MR obligation up to the maximum amount of the exempt excess reserve. | |
| (Accrued) MR interest amount | Amount of MR interest for the displayed maintenance period | Measure |
| Accumulated balance | Accumulated EoD balance per Leading CLM account holder | Measure |
| Addressable BIC | BICs that are reachable as correspondent in the role of a correspondent or a branch (Participation types 05 – 08 according to the RTGS Directory). | Object |
| Adjustment balance | It is the balance, that is needed at the end of each future business day in order to exactly fulfil the minimum reserve requirement in the remainder of the current minimum reserve maintenance period. | Measure |
| Amount From/To | Identifies the settlement amount of a cash transfer order | Measure |
| Amount of payment | Settlement amount of a cash transfer order; for unsettled cash transfer orders the intended settlement amount | Measure |
| Ancillary system | A system in which payments or securities are exchanged and/or cleared, while the ensuing monetary obligations are settled in another system, typically an RTGS system. | Object |
| Ancillary system type | Type of an AS , identifying it as e.g. a clearing house, a security settlement system or a retail payment system | Object |
| AS BIC and short name | BIC11 and name of an ancillary system | Object |

| DWH objects | Description | Measure/Object |
|---|---|---|
| AS settlement procedure | A specific set of processes and functions in the T2 Service that an ancillary system can use for the settlement of AS transfer orders. | Object |
| Attribute name | Name of the attribute | Object |
| Average value | Daily amount totals of settled cash transfer orders per day in a given time period | Measure |
| Average volume | Daily average number of settled cash transfer orders per day in a given time period | Measure |
| Balance of account (SoD) | Identifies a starting balance of a cash account. | Measure |
| Balance | Identifies a starting, running or closing balance of a cash account. | Measure |
| Banking Group name | Name of the Banking Group the party belongs to | Object |
| Beneficiary BIC | BIC of the beneficiary | Object |
| BIC | An eleven-digit code consisting of the BIC8 followed by a branch code of three characters which is used to identify any branch or reference of an institution. | Object |
| Bilateral limit | The maximum daily outflow of liquidity for payments with normal priority defined by an RTGS Account Holder for one of its RTGS DCAs towards another RTGS DCA. | Measure |
| Billing period end | End of the billing period | Object |
| Billing period start | Start of the billing period | Object |
| Business case code | A four-letter code indicating the business context of a business case to a cash transfer or a credit line modifcation | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Business date | Indicates the business date | Object |
| Calculation includes data until | Date of the last business day, which was imported into DWH as the base for minimum reserve interest calculations. | Object |
| Capital refund | Total value of cash transfer orders, which reduce the balance of an overnight deposit or a marginal lending account at a given date (off-leg). | Measure |
| Capital set-up | Total value of cash transfer orders, which build up the final balance of an overnight deposit or a marginal lending account until close of business of a given date (on-leg). | Measure |
| Cash Transfer Category | Category which is technically using the contents of field "Business case code" in CLM and RTGS cash transfer tables. | Object |
| Cash transfer type | Type of the cash transfer | Object |
| Charged party BIC | BIC of the charged party | Object |
| Charged party name | Name of the charged party | Object |
| Classification | Classification of transaction according to statistical classification | Object |
| Clearing System Reference | Clearing system reference, which an acting monetary financial institution can provide as an identifier of a cash transfer order | Object |
| Contingency account number | The account number of a contingency account | Object |
| Contingency session | Contingency sessions from opening to closing time of ECONSII | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Counterparty account BIC | Service name of the cash account, which is the opposite (debited or credited) cash account in a cash transfer order | Object |
| Counterparty country code | Country code (ISO 3166-1) of the monetary financial institution which is the opposite (debited or credited) party in a cash transfer order | Object |
| Counterparty party BIC | BIC of the monetary financial institution which is the opposite (debited or credited) party in a cash transfer order | Object |
| Counterparty service | Service of the counterparty | Object |
| Country code | Two-digit alphabetic code identifying a country ISO 3166-1 | Object |
| Credit | Settlement amount of a single cash transfer order or the total of settlement amounts of cash transfer orders, credited to a given cash account | Measure |
| Credit line amount | Commitment to grant intraday credit on demand based on collateral provided to a CB | Measure |
| Credit line amount at EoD | Credit line amount per party and day at close of business | Measure |
| Credit line amount at SoD | Credit line amount per party and day at start of business | Measure |
| Credited Account | Identifies the credited account | Object |
| Credited Account Number | Number of a cash account, credited by a cash transfer order | Object |
| Credited Account BIC | BIC of a cash account, credited by a cash account order | Object |
| Credit based only flag | Flag indicating if the account is credit based only | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Credit line amount: Maxima | Maximum of the credit line amount at that day | Measure |
| Cross border | Identifies a cash transfer order where the debited and credited parties are subject to different CBs. | Object |
| Currency (code) | Three digit alphabetic code identifying a currency (ISO 4217) of a cash account, a party or a cash transfer order | Object |
| Daily average value | Identifies the average of settlement amounts of cash transfer orders of a certain state and priority in a given time period. When the order state indicates not-settled cash transfer orders, then the average is calculated on the base of intended settlement amounts. | Measure |
| Daily average volume | Identifies the average number of cash transfer orders of a certain state and priority in a given time period. | Measure |
| Date (from) | Business date (from) | Object |
| Date (to) | Business date (to) | Object |
| Debit | Settlement amount of a single cash transfer order or the total of settlement amounts of cash transfer orders, debited to a given cash account | Measure |
| Debited Account | Identifies the debited account | Object |
| Debited Account Number | Number of a cash account, debited by a cash transfer order | Object |
| Debited Account BIC | BIC of a cash account, debited by a cash account order | Object |
| Default MCA | A party must mark one of its MCAs as "Default" for its usage in automatic processes of Standing Facility | Object |

| DWH objects | Description | Measure/Object |
|---|---|---|
| | Services, Minimum Reserve Management, BILL and Central Bank operations(CBO). | |
| Default MCA number | Account number of the default MCA of the party | Object |
| Deletion status | Indicates if a party is active or deleted | Object |
| Direct Participant | RTGS Account Holder | Object |
| Direct Participant name | Name of the RTGS Account Holder | Object |
| Direct Participants Overall | Number of Direct Participants in a system entity at a given date | Object |
| Domestic | Identifies a cash transfer order where the debited and credited parties are subject to the same CB. | Object |
| Effective MR requirement | Accumulated amount of minimum reserves within the maintenance period, which are held either under direct and indirect MR, obligation or within a MR pool of parties each day of the maintenance period. | Measure |
| Effective time | Time when the event actually occurs | Object |
| End time | Time when the event ended. | Object |
| End to End Reference | End-to-End reference which an acting monetary financial institution can provide as an identifier of a cash transfer order. | Object |
| Entity name | Name of the data entity in BILL (used for critical data) | Object |
| Entry Timestamp | Timestamp at which a cash transfer order entered CLM or RTGS (A2A or U2A). | Object |
| Error Code | Error code which CLM or RTGS assigned to a cash transfer order; is empty for correctly processed cash transfer orders. | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Error Description | Error description which CLM or RTGS assigned to a cash transfer order; may be empty for correctly processed cash transfer orders. | Object |
| Event | Business day event | Object |
| Event code | Code of the business day event | Object |
| Excess/deficiency of reserves | Difference between the average of MR amount totals during the current minimum reserve maintenance period and the minimum reserve requirement | Measure |
| Excess reserve exemption factor | Factor for the calculation of the excess reserve exemption tier on the base of the minimum reserve amount | Object |
| Excess reserve interest amount (exemption tier) | Amount of interest, paid for holdings exceeded the required minimum reserves within the exemption tier | Measure |
| Excess reserve interest amount (non-exemption tier) | Amount of interest, paid for holdings, which exceeded the required minimum reserves exemption tier. | Measure |
| Global Filters | Global Filters used in the Statistical Classification of Transaction for CLM and RTGS | Object |
| Highest community level | Highest community value (of the credit line amount) | Object |
| Highest community value | Highest community value of queued cash transfer orders for the default MCAs in CLM | Measure |
| Highest community volume/ | Highest community volume of queued cash transfer orders for the default MCAs in CLM | Measure |
| Hour | Date and hour | Object |
| Injection or drain of liquidity | Sum of credited (injected) - Sum of debited (drained) amount of liquidity transfers on an account | Measure |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Instruction Identification | Instruction identification which an acting monetary financial institution can provide as an identifier of a cash transfer order | Object |
| Interest | Interest amount paid or received for balances kept in an overnight deposit or marginal lending account. | Measure |
| Intraday credit use: Weighted average | Weighted average of the intraday credit line use of that day | Measure |
| Last update timestamp | Timestamp of the last update of an attribute | Object |
| Leading CLM Account Holder BIC | BIC11 of a Leading CLM Account Holder | Object |
| Leading CLM Account Holder name | Name of a Leading CLM Account Holder | Object |
| LEI | Legal entity identifier | Object |
| Liquidity Transfer Group name | Name of the Liquidity Transfer Group | Object |
| Local Filters | Local Filters used in the Statistical Classification of Transaction for CLM and RTGS | Object |
| Lowest community value | Lowest community value of queued cash transfer orders for the default MCAs in CLM | Measure |
| Lowest community value (credit line) | Lowest community value of the credit line amount in the chosen period | Measure |
| Lowest community volume | Lowest community volume of queued cash transfer orders for the default MCAs in CLM | Measure |
| Maintenance period | The period over which compliance with minimum reserve requirements is calculated and for which such minimum reserves must be held on reserve accounts. | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Maxima | Maximum of the credit line amount at that day and/or Maximum of the intraday credit line use at that day. | Measure |
| Message ID | Message Identifier provided in a cash transfer order message | Object |
| Message in XML-Format | Inbound message in XML format | Object |
| Message type | ISO 20022 conform identifier for the type of a message exchanged with T2 | Object |
| MFI code | Monetary financial institution code | Object |
| Minima | Minimum of the credit line amount, the amount of IDC used and the sum of values of queued cash transfer orders for the time band | Measure |
| Minimum reserve interest rate | Rate (in %) to calculate the interest amount on minimum reserve. | Object |
| Minimum reserve obligation | Minimum reserve obligation | Object |
| Minimum reserve requirement | Amount of minimum reserve to be held at the end of each day of the maintenance period. | Object |
| Month (from) | Month (from) | Object |
| Month (to) | Month (to) | Object |
| MR calculated penalty amount 1 | Penalty calculated for a party, which missed the minimum reserve requirement in a maintenance period for the first time. | Measure |
| MR calculated penalty amount 2 | Penalty calculated for a party, which already missed the minimum reserve requirement in the previous maintenance period. | Measure |
| Multi-addressee | An RTGS Actor which can submit/ receive cash transfers directly to/from the system. | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Multilateral limit | The maximum daily outflow of liquidity for payments with normal priority defined by an RTGS Account Holder for one of its RTGS DCAs towards all RTGS DCAs for which no bilateral limit has been defined. | Measure |
| National Sorting Code | National Sorting Code of the party | Object |
| New field value | Value of the attribute after the change | Measure |
| Number of calendar days in the MP | Number of all calendar days within a maintenance period | Object |
| Number of events (amount of credit line) | Number of events within a system entity and a given time period, in which the total amount of credit lines changed | Measure |
| Number of events (cash transfer order) | Number of events in a timeline, in which a credit line, intraday credit usage or a cash transfer order changed. | Measure |
| Number of MCAs with a credit line > 0 | Number of all MCAs, which had a credit line > 0 at least once during a certain time. | Measure |
| Number of MCAs with a negative intraday balance | Number of those MCAs that had a negative account balance at least once during a certain time | Measure |
| Number of indirect participants | Number of indirect participants in a system entity at a given time | Measure |
| Number of rejected transactions | Cash transfer orders which were not settled due to technical and/or business reasons. | Measure |
| Old field value | Value of the attribute before the change | Measure |
| On behalf | Indicates if cash transfer was inserted on behalf | Object |
| Originator party BIC | BIC of the party originating the charge | Object |

| DWH objects | Description | Measure/Object |
|---|---|---|
| Originator party name | Name of the party originating the charge | Object |
| Parent party BIC | Party BIC of the responsible CB in case the Party is a PB or AS | Object |
| Participation Type | Identifies the participation type | Object |
| Party | Any legal entity or organisation interacting with one or more TARGET Service(s) that CRDM maintains in party reference data. | Object |
| Party address | Street, house number, postal code and city of a monetary financial institution | Object |
| Party BIC | BIC11 of a Party | Object |
| Party BIC and Name | BIC11 and short name of a Party, delimited by a hyphen | Object |
| Party closing date | Closing date of the party | Object |
| Party long name | Long name of a monetary financial institution | Object |
| Party opening date | Opening date of the party | Object |
| Party short name | Short name of a monetary financial institution | Object |
| Payment banks with a least one RTGS DCA | Number of payment banks with a least one RTGS DCA at a given date | Measure |
| Payment type | The payment type divides cash payment orders into liquidity transfers, credit transfers and direct debits | Object |
| Peak Day | Identifies the business day at which the maximum value respective volume total of cash transfer orders was reported. | Object |
| Peak Day value | In DWH the business day at which the maximum value total of cash transfer orders of a given status was reported | Measure |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Peak Day volume | In DWH the business day at which the maximum volume total of cash transfer orders of a given status was reported. | Measure |
| Peak Hour | Identifies the hour at which the maximum value resp volume total of cash transfer orders was reported. | Object |
| Peak Hour value | In DWH the hour at which the maximum value total of cash transfer orders of a given status was reported. | Measure |
| Peak Hour volume | In DWH the hour at which the maximum volume total of cash transfer orders of a given status was reported. | Measure |
| Peak IDC use | Maximum of the used intraday credit in a given time interval. | Measure |
| Penalty rate 1 (single infringement) | Rate (in %) to calculate the penalty as an interest amount on minimum reserve balances which did not meet the minimum reserve requirement in a maintenance period | Measure |
| Penalty rate 2 (repeated infringement) | Rate (in %) to calculate the penalty as an interest amount on minimum reserve balances which did not meet the minimum reserve requirement in one or more consecutive maintenance periods | Measure |
| Planned time | Time for which an event was originally planned | Object |
| Priority | Identifies the priority of a cash transfer order | Object |
| Published BIC | Account BIC that is published in the RTGS Directory | Object |
| Quantity | Number of service items | Measure |
| Quarter | Identifies the quarter of a year. | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Queued cash transfer order s for MCAs or RTGS DCAs | Value and volume of queued cash transfer orders | Measure |
| Queued cash transfer order value | DWH displays values of cash transfer order which in the course of a business day were released for settlement but could not be executed for an certain time interval due to the lack of liquidity. | Measure |
| Queued cash transfer order volume | DWH displays volumes of cash transfer order which in the course of a business day were released for settlement but could not be executed for an certain time interval due to the lack of liquidity. | Measure |
| Receiver BIC | BIC of the actor who is authorised to receive messages and/or files from CLM and/or RTGS. | Object |
| Receiver Name | Short name of the actor who is authorised to receive messages and/ or files from CLM and/or RTGS. | Object |
| Reference | Unique identifier assign to any transaction | Object |
| Reference 1 | Identifies a transaction identifier provided by an originating party. The used reference type depends on the message type and the cash transfer type of a cash transfer order. | Object |
| Reference 2 | Identifies a transaction identifier provided by an originating party. The used reference type depends on the message type and the cash transfer type of a cash transfer order. | Object |
| Reservation amount | Amount of the reservation | Measure |
| Responsible party BIC | Party BIC of CB responsible for the charged party. | Object |
| Responsible party name | Name of the CB responsible for the charged party. | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Reversed Payment Indicator | Indicator to identify a payment order as the reversal of a previously settled payment order (occurs in AS settlement of type A and B) | Object |
| Revised time | The foreseen time for an event. | Object |
| Running average | The sum of daily balances from beginning of the maintenance period till the end of the maintenance period / total number of days in the maintenance period (for ongoing maintenance periods: sum of daily balances from beginning of the maintenance period till the day for which MR data is available in the DWH / total number of days in the maintenance period that have already been passed ). | Measure |
| Semester | Identifies the two halves of a year | Object |
| Sender BIC | BIC of the actor who is authorised to send messages and/or files to CLM and/or RTGS. | Object |
| Sender DN | Actor who is authorised to send messages and/or files to CLM and/or RTGS. The sender is identified by a distinguished name which is not part of the BAH or the Business File Header. | Object |
| Sender Message Reference | Message reference which is provided by the sender as an identifier of the message | Object |
| Sender Name | Short name of the actor who is authorised to send messages and/or files to CLM and/or RTGS. | Object |
| Service | Identifies the settlement service | Object |
| Service item category | Category of the service item | Object |
| Service item code | Code of the service item | Object |
| Service item description | Description of the service item | Object |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Service Type | Identifies the settlement service | Object |
| Service party type | Identifies the settlement service a party belongs to | Object |
| Settlement Bank Account Group name | Name of the Settlement Bank Account Group | Object |
| Settlement Reference | Settlement reference which an acting monetary financial institution can provide as an identifier of a cash transfer order | Object |
| Settlement Status Description | User comprehensible description of the status of a cash transfer order | Object |
| Settlement timestamp | Timestamp of the settlement, cancellation or revocation of a cash transfer order, representing date, time at least milliseconds | Object |
| Share (%) | Share of the usage of a service item within the month compared to the total of service items charged (in %) | Measure |
| Standard deviation | Average of the absolute deviations from an arithmetic average of amount totals of queued cash transfer orders. | Measure |
| Status | Identifies status of a cash transfer order | Object |
| Sum of consumptions | Number or consumptions of a given service item category | Measure |
| Time band | A given time period within a business day | Object |
| Timestamp of Effective Settlement | Timestamp at which a cash transfer order was effectively settled; empty for unsettled cash transfer orders | Object |
| Total daily average volume | The total daily average for a month as sum of daily averages | Measure |
| Total daily average value | The total daily average for a month as sum of daily averages | Measure |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Total(s) | Sum of values or volumes listed in a report | Measure |
| Transaction Category | Transaction category distinguishes Interbank payments from "Customer payments". | Object |
| Transaction Classifier | Classifier of the Statistical Classification of Transaction | Object |
| Transaction Identification | Transaction identifier which an acting monetary financial institution can provide as an identifier of a cash transfer order | Object |
| Transaction Reference Number | Unique identifier which CLM and RTGS assign to any transaction. | Object |
| Type of Credited Account | Cash account type of the account, which is credited by a cash transfer order. | Object |
| Type of Debited Account | Cash account type of the account, which is debited by a cash transfer order. | Object |
| UETR | Universal-End-to-End-Transaction Reference which can be provided as an identifier of a cash transfer order | Object |
| Unpublished BIC | In DWH a cash account BIC is marked as "unpublished" that is not published in the RTGS Directory. | Object |
| User name | Name of the user | Object |
| Value (in million) | Sum of settlement amounts of cash transfer orders, displayed as the number in millions | Measure |
| Value of AS transfer orders – Settled | Sum of amounts of all AS transfer orders which were settled or partially settled for the respective AS. | Measure |

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| DWH objects | Description | Measure/Object |
|---|---|---|
| Value of AS transfer orders – Not settled | Sum of amounts of all AS transfer orders which were not settled (i.e. cancelled (revoked) or rejected) for the respective AS. | Measure |
| Value of cash transfer orders debited/ credited/sent/received | Settlement amount total of cash transfer orders debited/credited/sent/ received to a cash account of a party in a given time interval. | Measure |
| Value of payments received | Settlement amount total of settled cash transfer orders, a party received in a particular RTGS cash account in a given time period, grouped by payment type or message type | Measure |
| Value of payments sent | Settlement amount total of sent payments | Measure |
| Value of Settlement | Settlement amount | Measure |
| Volume | The number of cash transfer orders in a given time period. | Measure |
| Volume of AS transfer orders – Settled | Number of AS transfer orders which were settled or partially settled for the respective AS | Measure |
| Volume of AS transfer orders – Not settled | Number of AS transfer orders which were not settled (i.e. cancelled (revoked) or rejected) for the respective AS | Measure |
| Volume of cash transfer orders debited/credited/sent/received | Number of cash transfer orders debited/credited/sent/received to a cash account of a party in a given time interval. | Measure |
| Volume of payments received | Number of received payments | Measure |
| Volume of payments sent | Number of sent payments | Measure |
| Weighted average | Weighted average value within a system entity or per party in a given time period. | Measure |

| DWH objects | Description | Measure/Object |
|---|---|---|
| Weighted average value | Weighted average value of payment amount totals of queued cash transfer orders within a system entity or per party. | Measure |
| Weighted average volume/value | Weighted average volume/value of queued cash transfer orders for the RTGS DCAs that are linked to a default MCA which had a credit line > 0 at least once a day. | Measure |
| Year (from) | Year (from) | Object |
| Year (to) | Year (to) | Object |

**Table 165: DWH objects**

## 9.2 CLM/RTGS inbound XML messages available in the DWH

The following list contains all XML message types available in the DWH which were processed in CLM or RTGS as inbound messages. Query messages as well as all outbound messages are not transferred to the DWH.

| Source | Message type | Description |
|---|---|---|
| CLM | camt.048 | Modify reservation |
| CLM | camt.049 | Delete reservation |
| CLM | camt.050 | Liquidity credit transfer |
| CLM (CB specific) | camt.056 | FItoFI Cancellation request |
| CLM (CB specific) | camt.998 | Modify credit line, Authorize penalty MR, Insert value of MR, Insert balance MR |
| CLM (CB specific) | pacs.009 | FI Credit transfer |
| CLM (CB specific) | pacs.010 | FI Direct debit |
| RTGS | camt.007 | Modify transaction |
| RTGS | camt.011 | Modify limit |
| RTGS | camt.012 | Delete limit |

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| Source | Message type | Description |
|---|---|---|
| RTGS | camt.048 | Modify reservation |
| RTGS | camt.049 | Delete reservation |
| RTGS | camt.050 | Liquidity credit transfer |
| RTGS | camt.056 | FItoFI Payment cancellation request |
| RTGS | pacs.004 | Payment return |
| RTGS | pacs.008 | Customer credit transfer |
| RTGS | pacs.009 | FI Credit transfer |
| RTGS | pacs.010 | FI Direct debit |
| RTGS | pain.998 | AS transfer initiation (ASTI) |

**Table 166: List of CLM/RTGS inbound messages**

# 9.3 DXE file documentation

## 9.3.1 Introduction

NCBs need an adequate technical solution to extract granular data from the DWH for T2 Services. NCBs require the national extractions of data from the data warehouse (DWH). The purpose of these extractions are to provide the local applications with granular data from the T2 Service so that they can be combined with national payment system data and collateral data, and to share the data with respect to TARGET Services Guidelines with other Directorate Generals for analytical and research purposes (e.g. via a common data lake).

This specification replaces the current section of the DWH User Handbook that describes the DEX02 report, as the feedback on the current report emphasised that the documented solution is not fit-for-purpose for the following reasons:

- In order not to exceed the ESMIG file limitation of 99MB, the requirement in the UHB is that users to schedule the DEX02 report per Party BIC and for a single business day.
- Central banks with a significant number of payments banks and ancillary systems would require significant effort to configure and schedule the reports.
- Multiple record types in a single file is very complex to process by the receiving application
- Combining different functional data objects (e.g. transaction, account, participant and event data) in one record in an output file would

- - increase the file size due to repetitive information;
- - repeat general information, for instance about business day events, multiple times when data extractions are split;
- - increase the complexity of the technical processing in local central bank environments.

In order to address the shortcomings that the central banks raised, the new reporting solution for the DEX02 reporting foresees:

- The separation of the DEX02 report into six distinct reports (now named DXE01 – DXE06 to avoid confusion) that extracts a set of specific business data per report so that the report complexity is minimised;
- The elimination of the scheduling of the report by Party BIC, i.e. the provision of the data in each report by central bank;
- Removes repetitive information that results from the reporting by Party BIC.
- In order to simplify the joining of data, the reports will provide both the internal reference data technical identifiers as well as the externally visible business identifiers.

## 9.3.2 General information

### 9.3.2.1 Scheduling

The scheduling of the DXE reports can take place for the current month, the current week or the current business day. Central banks with large transactional volumes should schedule their report on a daily basis for more manageable file sizes. Central banks with lower transactional volumes can schedule their reports on a weekly or monthly basis.

### 9.3.2.2 File splitting

File splitting will be implemented for files that exceed the maximum file size of 99MB.

### 9.3.2.3 File and field conventions

The interface will provide the extracted data in comma-separated files (CSV). The files are encoded in UTF-16 Little Endian. The respective UDFS or UHB (CLM, RTGS or CRDM) document the full character set.

Fields will be provided without any start or ending delimiter (e.g. “”). As this is a valid character in few cases and can lead to misinterpretation or an abnormal termination.

Character type set:

| Format Type | Definition |
|---|---|
| CHAR (n) | String with exactly n UTF-8 characters, is padded with blanks on right side |
| VARCHAR (n) | String with n UTF-8 characters maximum |
| DEC (p, s) | The precision (p) is the total number of binary or decimal digits excluding the sign. The scale (s) is the total number of binary or decimal digits to the right of the decimal point A dot '.' is used as decimal point.<br>Decimals without decimal places will end with "."<br>Field is padded with "0" on left side<br>First digit is a blank or minus |
| SMALLINT | Number, up to 5 digits |
| INTEGER | Number, up to 10 digits |
| DATE | Date in format "yyyy-mm-dd" with no time zone indication |
| TIME | Time in format "hh:mm:ss" with no time zone indication in CET/CEST |
| TIMESTAMP | Date in format "yyyy-mm-dd hh:mm:ss.mmmmmm" with no time zone indication in CET/CEST |

- In case of NULL in CSV, two separators will be provided after each other with no content in between. Date 9999-01-01 and Timestamp with 9999-01-01-00.00.00.000000 are NULL.
- Each line ends with line feed (LF, hexadecimal "0x0A").
- The general separator for attributes is a TAB (hexadecimal "09"). A TAB is not used at the end of a line.

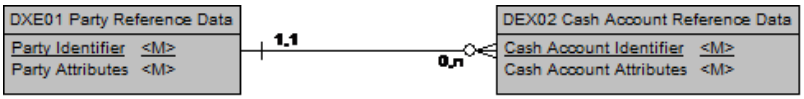
## 9.3.3 Relationship between files

### 9.3.3.1 Use of technical identifiers

The interface files provide for reference data both a unique technical identifier and a business identifier. The technical identifier is always unique and should be used to link reference data to transactional data even though the transactional data contains the business identifiers of reference data redundantly.

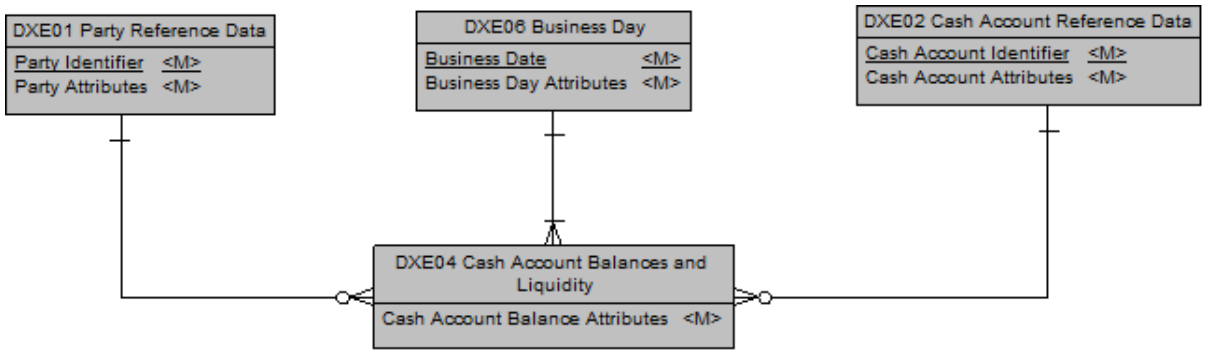
### 9.3.3.2 Party to cash account reference data file relationship

Each cash account has a mandatory relationship to a party. The cash account reference data contains the party identifier as the attribute to link a party to a cash account.



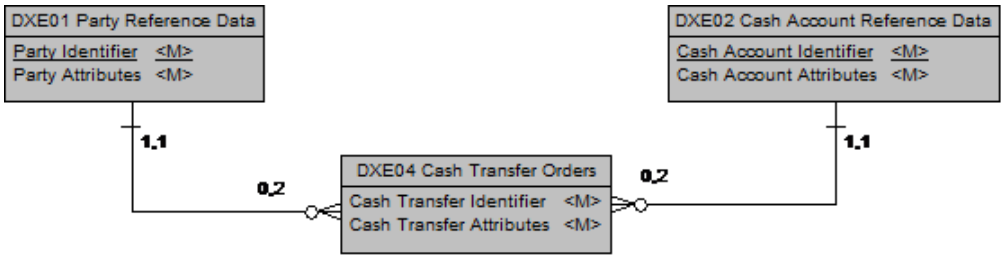

### 9.3.3.3 Cash account balance and liquidity to reference data file relationships

Each cash account balance and liquidity is uniquely identified through a combination of a business day and a cash account identifier. The cash account balance also has a relationship to party reference data.




### 9.3.3.4 Cash transfers to reference data file relationships

Each cash transfer has a relationship to cash account reference data as well as to the party of the cash account. Each cash transfer specifies the cash account identifier and the party identifier.




### 9.3.3.5 Aggregation Group to Reference Data File Relationships

Each aggregation group has a relationship to cash account reference data as well as to the party of the cash account. An attribute in the aggregation group determine whether the relationship pertains to the cash account or the party.

## 9.3.4 DXE01 - party reference data file specification

A party in CRDM denotes any legal or organisational entity required in a Eurosystem market Infrastructure for processing. In this context, the party reference data file contains the attributes of party in their state as of the business day that the user selected.

| No. | Logical Name | Data Type | Mandatory/ Optional | Definition |
|---|---|---|---|---|
| 1 | Party Identifier | INTEGER | Mandatory | This attribute contains the unique technical identifier of the Party in Common Reference Data Management (CRDM) or in CRSS for historic data. |
| 2 | Business Day | DATE | Mandatory | This field specifies the business day of the Eurosystem market infrastructure for which the extraction took place. |
| 3 | System entity | VARCHAR(4) | Mandatory | This field contains the unique system entity mnemonic of a system entity in Common Reference Data Management (CRDM). |
| 4 | LEI | VARCHAR(20) | Optional | This field contains the Legal Entity Identifier that identifies a party according to ISO 17442. |
| 5 | BIC | VARCHAR(13) | Mandatory | This field contains the Business Identifier Code of a party according to ISO 9362. |
| 6 | Country Code | VARCHAR(2) | Mandatory | This field contains the ISO country code of the jurisdiction in which the party is legally registered. |
| 7 | Party Long Name | VARCHAR(350) | Mandatory | This field contains the full legal name of a party. |
| 8 | Party Short Name | VARCHAR(35) | Mandatory | This field contains the user-define mnemonic to identify a party. |
| 9 | Party Type | VARCHAR(4) | Mandatory | This field provides the classification of the party in CRDM to identify its role in the respective Eurosystem market infrastructure.<br>Code and Description:<br>- T2SO: Operator<br>- NCBK: Central Bank<br>- PMBK: Payment Bank<br>- ANSY: Ancillary System |
| 10 | Party Opening Date | DATE | Mandatory | This fields defines the actual date that the CSD or NCB established the contractual relationship with the party, i.e. the date from which the party is eligible to process its business transactions on the Eurosystem market infrastructure. |

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| | | | | |
|---|---|---|---|---|
| 11 | Party Close Date | DATE | Mandatory | This field defines the actual date that the contractual relationship of the party with CSD or NCB ended, i.e. the date as of which the party no longer is eligible to process its business transactions on the Eurosystem market infrastructure. |
| 12 | Deletion Status | VARCHAR(4) | Mandatory | This field specifies whether the record is active or is logically deleted.<br>Code and Description:<br>- DELE: Deleted<br>- ACTV: Active |

### 9.3.5 DXE02 - Cash account reference data file specification

The cash account reference data file contains the attributes of a cash account in their state as of the business day that the user selected.

| No. | Logical Name | Data Type | Mandatory/ Optional | Definition |
|---|---|---|---|---|
| 1 | Cash Account Identifier | INTEGER | Mandatory | This attribute contains the unique technical identifier of the cash account in Common Reference Data Management (CRDM) |
| 2 | Cash Account Number | VARCHAR(34) | Mandatory | This field documents the externally visible cash account number that uniquely identifies a cash account across all Eurosystem market infrastructure services. |
| 3 | Cash Account BIC | VARCHAR(11) | Optional | This field specifies the BIC of the cash account according to ISO 9362. |
| 4 | Business Day | DATE | Mandatory | This field specifies the business day of a Eurosystem market infrastructure. |
| 5 | Currency Code | CHAR(3) | Mandatory | This field specifies the ISO currency code for the cash account. |
| 6 | Linked Cash Account Identifier | INTEGER | Optional | This field specifies the cash account identifier of the linked cash account. The determination of whether a link from one cash account to another cash account exists takes place using this attribute. When this field specifies a value, then this field contains a valid cash account to which the cash account, as identified by the cash account identifier, is linked. |
| 7 | Linked Cash Account Number | VARCHAR(34) | Optional | This field specifies the cash account number of the linked cash account. The determination of whether a link from one cash account to another cash account exists takes place using this attribute. When this field specifies a value, then this field contains a valid cash account to which the cash account, as identified by the cash account number, is linked. |
| 8 | Linked Cash Account Type | VARCHAR(4) | Optional | This field determines whether the cash account has a linked cash account associated to it in the CRDM data. CLM-RTGS does not use this field for its processing. This field also specifies the type of cash account to which the cash account is linked.<br>Code and Description |

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|---|---|---|---|---|
| | | | | - RDCA: RTGS DCA<br>- CMCA: CLM Main cash account<br>- CCAC: CLM CB account<br>- ATEC: AS technical account for procedures |
| 9 | Party Identifier | INTEGER | Mandatory | This field specifies the unique party identifier of the party in Common Reference Data (CRDM) that holds the cash account. |
| 10 | Account Type | VARCHAR(4) | Mandatory | This field provides the role of the cash account in a Eurosystem market infrastructure<br>Code and Description<br>RTGS:<br>- RDCA: RTGS DCA<br>- RCBA: RTGS CB account<br>- ATEC: AS technical account for procedures A and B (ATEC)<br>- ATEC: AS technical account for procedures C and E (ATEC)<br>- ATEC: AS technical account for procedure D (ATEC)<br>- AGAC: AS guarantee funds account<br>- RSAA: RTGS sub-account<br>- RTAC: RTGS dedicated transit account<br>CLM:<br>- CMCA: CLM Main cash account<br>- CCAC: CLM CB account<br>- ONDP: Overnight deposit account)<br>- MGLD: Marginal lending account<br>- CEMA: ECB mirror account<br>- CECB: CB ECB account<br>- CTEC: CLM technical account for ECONS II<br>- CTTS: CLM dedicated transit account for T2S<br>- CTTI: CLM dedicated transit account for TIPS<br>- CTRT: CLM dedicated transit account for RTGS<br>ECONS2:<br>- ECCA: Contingency Cash Account<br>- ECCB: CB Contingency Account<br>- ECTA: Contingency Technical Account<br>- ECTR: Contingency Transit Account<br>T2S: |

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| | | | | RTGS: RTGS Dedicated Transit Account<br>NCBA: T2S Central Bank Account<br>CSHA: T2S Dedicated Cash Account<br>TIPS<br>TACC: TIPS Accounts<br>TTAC: Transit Accounts<br>TAST: TIPS Ancillary System Transaction Account |
| 11 | Ceiling Amount | DECIMAL(31, 2) | Optional | This field specifies the ceiling (highest amount) for the balance on a on a cash account, the breach of which result in a notification to the cash manager. |
| 12 | Closing Date | DATE | Mandatory | This field defines the actual date that cash account is no longer eligible for settlement on the Eurosystem market infrastructure. |
| 13 | Floor Amount | DECIMAL(31, 2) | Optional | This field specifies the floor lowest amount) for the balance on a on a cash account, the breach of which result in a notification to the cash manager. |
| 14 | Opening Date | DATE | Mandatory | This field defines the actual date that cash account is eligible for settlement on the Eurosystem market infrastructure. |
| 15 | Credit Based Only Flag | SMALLINT | Optional | This field specifies whether the cash account is a credit-based only account, i.e. whether the cash account owner must maintain a positive balance on the cash account to settle pending cash transfer orders.<br>Code and Description<br>T: Account is credit based only<br>F: Account is not credit based only |

### 9.3.6 DXE03 - Cash account aggregation group file specification

This report extracts for all parties and cash accounts of a central bank, the aggregation groups of which a party or cash account is a member (depending on the type of aggregation). A party/cash account may be assigned to multiple groups of the same type depending on the aggregation group type.

| No. | Logical Name | Data Type | Mandatory/ Optional | Definition |
|---|---|---|---|---|
| 1 | Party or Cash Account Identifier | INTEGER | Mandatory | This attribute contains the unique technical identifier of the cash account or the party in Common Reference Data Management (CRDM) depending on the value in the field Party or Account. |
| 2 | Party or Account | CHAR(1) | Mandatory | This field specifies the type of identifier that the grouping contains.<br>Code and Description<br>- P: Party<br>- C: Cash Account |
| 3 | Business Day | DATE | Mandatory | This field specifies the business day of a Eurosystem market infrastructure. |
| 4 | Aggregation Leader Party BIC | CHAR(13) | Optional | This field contains the Business Identifier Code of the aggregation party leader according to ISO 9362. |
| 5 | Cash Account Number or Party BIC | VARCHAR(34) | Mandatory | This field documents the externally visible cash account number that uniquely identifies a cash account across all Eurosystem market infrastructure services or the Party BIC, depending on the value in the field Party or Account. |
| 6 | Aggregation Group Type | VARCHAR(4) | Mandatory | This field specifies the type of grouping for parties or cash accounts.<br>Code and Description<br>- BANK: Banking Group<br>- ACCM: Account Monitoring Group<br>- LQTR: Liquidity Transfer Group<br>- SETL: Settlement Bank Account Group |
| 7 | Aggregation Group Name | VARCHAR(35) | Mandatory | This field specifies the data aggregation name. This column is restricted to the SWIFT X Character Set via BRs at U2A and A2A level. |

### 9.3.7 DXE04 - Cash account balance and liquidity file specification

The Cash Account Liquidity file provides the end-of-day states of various balances in CLM-RTGS for a cash account. The DWH does not receive an intraday history. CLM-RTGS always overwrites the record when an amount changes.

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| No. | Logical Name | Data Type | Mandatory/ Optional | Definition |
|---|---|---|---|---|
| 1 | Cash Account Identifier | INTEGER | Mandatory | This attribute contains the unique technical identifier of the cash account in Common Reference Data Management (CRDM) |
| 2 | Cash Account Number | VARCHAR(34) | Mandatory | This field documents the externally visible ISO 20022 cash account number that uniquely identifies a cash account across all services. |
| 3 | Cash Account Holder Party BIC | VARCHAR(13) | Mandatory | This field specifies the party BIC of the cash account holder as a party in in Common Reference Data Management (CRDM). |
| 4 | Business Day | DATE | Mandatory | This field specifies the business day of the Eurosystem market infrastructure for which the extraction took place. |
| 5 | Liquidity | DECIMAL(31, 2) | Optional | This field specifies the available liquidity for the cash account. |
| 6 | Liquidity Position | DECIMAL(31, 2) | Mandatory | This field specifies the position of the liquidity. |
| 7 | Liquidity at Start of Day | DECIMAL(31, 2) | Mandatory | This field specifies the liquidity at the start of the day |
| 8 | Account Type | SMALLINT | Mandatory | This field specifies the type of account.<br>Code and Description<br>0: RTGS DCA<br>1: RTGS CB account<br>3: AS technical account for procedures A and B<br>4: AS technical account for procedures C and E<br>5: AS technical account for procedure D<br>7: AS guarantee funds account<br>9: RTGS sub-account<br>40: RTGS dedicated transit account<br>100: MCA<br>101: CLM CB account<br>105: Overnight deposit account<br>106: Marginal lending account<br>111: ECB mirror account<br>112: CB ECB account<br>113: CLM technical account for ECONS II |

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| | | | | - 130: CLM dedicated transit account for T2S<br>- 135: CLM dedicated transit account for TIPS<br>- 140: CLM dedicated transit account for RTGS |
| 9 | Country Code CB | CHAR(2) | Mandatory | This field specifies the country code of the central bank. |
| 10 | Pending Urgent Reservation | DECIMAL(31, 2) | Optional | This field specifies the pending urgent priority reservation. |
| 11 | Position of the Urgent Reservation | DECIMAL(31, 2) | Optional | This field specifies the position of the urgent priority reservation. |
| 12 | Urgent Reservation at Start of Day | DECIMAL(31, 2) | Optional | This field specifies the amount of the urgent priority reservation at the start of the day. |
| 13 | Pending High Reservation | DECIMAL(31, 2) | Optional | This field specifies the pending high priority reservation. |
| 14 | Position of the High Reservation | DECIMAL(31, 2) | Optional | This field specifies the position of the high priority reservation. |
| 15 | High Reservation at Start of Day | DECIMAL(31, 2) | Optional | This field specifies the amount of the high priority reservation at the start of the day. |
| 16 | Limit Disabled Flag | SMALLINT | Optional | This field specifies the whether all bilateral limits for the current day are zero or set to zero so that for this participant no bilateral or multilateral limits should be applied.<br>Code and Description<br>- 0: No - there are bilateral limits<br>- 1: Yes - neither multilateral limit nor bilateral limits will be applied |
| 17 | Defined Multilateral Limit | DECIMAL(31, 2) | Optional | This field specifies the extended relationship limit (‘collecting’ limit). |
| 18 | Defined Multilateral Limit Timestamp | TIMESTAMP | Optional | This field specifies the date and time of the last update of the multilateral limit. |
| 19 | Pending Multilateral Limit | DECIMAL(31, 2) | Optional | This field specifies the multilateral limit amount to be activated.<br>It is an intra-day change (reduction) of the multilateral limit, which cannot be activated at present because of a higher claim of the limit. Nevertheless, it is taken into account by the entry disposition process in order to reduce the claim to the desired limit amount. |

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| 20 | Pending Multilateral Limit Timestamp | TIMESTAMP | Optional | This field specifies the timestamp of the last activation of the multilateral limit. |
| 21 | Claimed Multilateral Limit of an Algo | DECIMAL(31, 2) | Optional | This field specifies the current amount of a multilateral limit that the settlement algorithm reserved at the start of day. |
| 22 | Position of the Multilateral Limit | DECIMAL(31, 2) | Optional | This field specifies the current (permanently updated) position of the multilateral limit. |
| 23 | Multilateral Limit at Start of Day | DECIMAL(31, 2) | Optional | This field specifies the multilateral limit at the beginning of the day. |
| 24 | Bilateral Limits Sum | DECIMAL(31, 2) | Optional | This field specifies the total of all bilateral limits. |
| 25 | Bilateral Limits Sum Timestamp | TIMESTAMP | Optional | This field specifies the date and time of the last update of the sum of the bilateral limits. |
| 26 | Bilateral Limit Positions Sum | DECIMAL(31, 2) | Optional | This field specifies the sum of all current positions of the bilateral limit. |
| 27 | Amount of Automatic Marginal Lending used | DECIMAL(31, 2) | Optional | This field specifies the amount of automatic marginal lending used. |
| 28 | Amount of Marginal Lending on Request used | DECIMAL(31, 2) | Optional | This field specifies the amount of marginal lending on request used. |
| 29 | Pending CBO Reservation | DECIMAL(31, 2) | Optional | This field specifies the pending amount of the CBO reservation, i.e. it is the amount change to the CBO reservation that CLM could not yet apply. If a reservation order can only be partly changed, it is set with the remainder. |
| 30 | Position of the CBO Reservation | DECIMAL(31, 2) | Optional | This field specifies the current (permanently updated) position of the CBO reservation. |
| 31 | CBO Reservation at Start of Day | DECIMAL(31, 2) | Optional | This field specifies the amount of the CBO reservation at the beginning of the day. It is taken over from the standing order amount for a CBO reservation and may be less than that amount if it can only be partly executed. The amount can also be 0 if no standing order exists. |
| 32 | Pending Seizure of Funds Reservation | DECIMAL(31, 2) | Optional | This field specifies the pending amount of the seizure of funds reservation. If a reservation order can only be partly set, it is set with the remainder. |

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| 33 | Liquidity Position of the Seizure of Funds Reservation | DECIMAL(31, 2) | Optional | This field specifies the current (permanently updated) position of the seizure of funds reservation. The funds are not part of the current liquidity position. The seizure of funds reservation is always taken away from the current liquidity position. It is different from the CBO reservation, which is always part of the liquidity position. |
| 34 | Seizure of Funds Reservation at Start of Day | DECIMAL(31, 2) | Optional | This field specifies the amount of the seizure of funds reservation at the beginning of the day. It is taken over from the seizure of funds reservation position amount at the end of the previous business day. |
| 35 | Credit Line | DECIMAL(31, 2) | Optional | This field specifies the granted disposition fund (credit line). Entries exist for Default MCAs. They can be adjusted by GUI orders, 'modify credit line' requests or 'connected payments'. |
| 36 | Credit Line at Start of day | DECIMAL(31, 2) | Optional | This field specifies the granted disposition fund (credit line) at the beginning of the day (carried-over from the previous business day) for those cash accounts that have a credit line. The field is zero for all other types of cash accounts. |
| 37 | Pending Credit Line | DECIMAL(31, 2) | Optional | This field specifies the pending credit line amount, i.e. the amount change to the credit line that CLM could not yet apply. If a credit line change order per U2A or connected payment cannot not settled the pending amount is stored here. |
| 38 | Pending Credit Line Mark | SMALLINT | Optional | This field specifies the pending credit line mark.<br>Code and Description<br>0: None<br>1: Fixed<br>2: Delta |

### 9.3.8 DXE05 - Cash transfers orders/cash transfer file specification

This file provides all cash transfers of a central bank for a given T2 business day.

| No. | Logical Name | Data Type | Mandatory/ Optional | Definition |
|---|---|---|---|---|
| 1 | Cash Transfer Identifier | DECIMAL(16, 0) | Mandatory | This attribute contains the technical identifier of the cash transfer order in CLM or RTGS. |
| 2 | Credit Cash Account Identifier | INTEGER | Mandatory | This attribute contains the unique technical identifier of the credit cash account in Common Reference Data Management (CRDM). |
| 3 | Credit Cash Account Number | VARCHAR(34) | Mandatory | This field documents the externally visible ISO 20022 credit cash account number that uniquely identifies a cash account across all services. |
| 4 | Credit Cash Account Holder Party BIC | VARCHAR(13) | Mandatory | This field specifies the party BIC of the credit cash account holder as a party in in Common Reference Data Management (CRDM). |
| 5 | Business Day | DATE | Mandatory | This field specifies the business day of a Eurosystem market infrastructure. |
| 6 | Debit Cash Account Identifier | INTEGER | Mandatory | This attribute contains the unique technical identifier of the debit cash account in Common Reference Data Management (CRDM). |
| 7 | Debit Cash Account Number | VARCHAR(34) | Mandatory | This field documents the externally visible ISO 20022 debit cash account number that uniquely identifies a cash account across all services. |
| 8 | Debit Cash Account Holder Party BIC | VARCHAR(13) | Mandatory | This field specifies the party BIC of the debit cash account holder as a party in in Common Reference Data Management (CRDM). |
| 9 | Related AS Party Identifier | INTEGER | Optional | This field specifies the unique technical identifier of the ancillary system as a party in in Common Reference Data Management (CRDM). |
| 10 | Related AS Party BIC | VARCHAR(13) | Optional | This field specifies the party BIC of the ancillary system as a party in in Common Reference Data Management (CRDM). |
| 11 | Related AS Counterpart Identifier | INTEGER | Optional | This field specifies the unique technical identifier of the counterpart ancillary system as a party in in Common Reference Data Management (CRDM). |
| 12 | Related AS Counterpart BIC | VARCHAR(13) | Optional | This field specifies the Party BIC of the counterpart ancillary system as a party in in Common Reference Data Management (CRDM). |

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| 13 | From Service | VARCHAR(4) | Mandatory | This field documents the service or service component that debited the cash transfer.<br>Code and Description<br>- CLM: T2 Service Central Liquidity Management<br>- RTGS: T2 Real-time Gross Settlement<br>- T2S: TARGET2-Securities<br>- TIPS: TARGET Instant Payments |
| 14 | To Service | VARCHAR(4) | Mandatory | This field documents the service or service component that credited the cash transfer.<br>Code and Description<br>- CLM: T2 Service Central Liquidity Management<br>- RTGS: T2 Real-time Gross Settlement<br>- T2S: TARGET2-Securities<br>- TIPS: TARGET Instant Payments |
| 15 | Currency Code | CHAR(3) | Mandatory | This field specifies the three-character ISO 4217 currency code. |
| 16 | Unique End-to-End Transaction Reference (UETR) | VARCHAR(40) | Optional | This field contains a universal unique identifier to provide an end-to-end reference for a payment transaction (payment order).<br>Usage: pacs.008, pacs.009, pacs.010 and camt.050. |
| 17 | Instruction Identifier | VARCHAR(35) | Optional | This field shows the unique identification, set by the message sender, to identify the instruction (payment order).<br>Usage: pacs.008, pacs.009, pacs.010 and camt.050 (although optional for camt,050). |
| 18 | End-to-End Identification | VARCHAR(35) | Optional | This field shows the unique identification, set by the instruction initiator, to identify the instruction (payment order) and be passed on, unchanged, throughout the entire end-to-end-chain.<br>Usage: pacs.008, pacs.009, pacs.010 and camt.050 |
| 19 | Cash Transfer Property | SMALLINT | Mandatory | This field documents the high-level category into which the cash transfer order falls for processing in CLM-RTGS.<br>Code and Description |

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| | | | | 0: Original payment<br>1: Return payment<br>2: Original cancelled<br>3: Not bookable |
| 20 | Message Type | VARCHAR(15) | Mandatory | The field specifies the ISO 20022 message type from which the cash transfer order was generated.<br>pain.998<br>camt.050<br>pacs.004<br>pacs.009<br>pacs.008<br>pacs.010<br>UNKNOWN |
| 21 | Settlement Type | SMALLINT | Mandatory | This field specifies the process that settled the cash transfer order.<br>Code and Description<br>0: Pending (not yet booked)<br>1: Entry disposition<br>2: Express algorithm<br>3: Settlement of a connected payment<br>4: AS settlements not booked by Entry disposition or algorithm<br>11: Algorithm 1<br>12: Algorithm 2<br>13: Algorithm 3<br>14: Algorithm 4<br>15: Algorithm 5<br>20: Liquidity transfer and other immediately booked ICM orders<br>80: End-of-day booking |
| 22 | Settlement Timestamp | TIMESTAMP | Mandatory | This field specifies the actual date and time that the cash transfer order settled. |
| 23 | First Processing Timestamp | TIMESTAMP | Optional | This field specifies the actual date and time of the first processing of an MGPY2000 cash transfer order. It is used to monitor the performance of processing in RTGS. |

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| 24 | First Queuing Timestamp | TIMESTAMP | Mandatory | In the case that the processing queues a cash transfer order for settlement, this field specifies the actual date and time that initial queuing of the cash transfer order took place. The contents of this field does not change if a subsequent queueing of the cash transfer order take place. This field does not specify a value if a cash transfer order settles without queueing. |
| 25 | Original Amount | DECIMAL(31, 2) | Optional | This field specifies the instructed amount of the cash transfer order. |
| 26 | Cash Transfer Status Before Currency Specific Closing | SMALLINT | Optional | This field specifies the final state of a cash transfer order at the end-of-day closing for a settlement currency.<br>Code and Description<br>- 005: Warehoused<br>- 015: Queued<br>- 020: Earmarked<br>- 505: Settled<br>- 506: Partially settled<br>- 515: Rejected<br>- 520: Revoked |
| 27 | Cash Transfer Status | SMALLINT | Mandatory | This field specifies the current processing status of a cash transfer order. However, at end of the business day, the status specifies the final state of the cash transfer order.<br>Code and Description<br>- 62: warehoused<br>- 561: settled<br>- 562: not settled due to removal EOD or during the day<br>- 563: reversed<br>- 565: payment revoked including disagreement after blocking<br>- 566: cancelled |
| 28 | Error Code | VARCHAR(4) | Mandatory | This field specifies an error code in the case an error occurs in the processing of the cash transfer order. |
| 29 | AS Balance After Booking Debit | DECIMAL(31, 2) | Optional | This field documents the balance of the debited cash account after the settlement of an AS transfer order. For example, in the case of AS return account. |

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| 30 | AS Balance After Booking Credit | DECIMAL(31, 2) | Optional | This field documents the resulting balance an AS subaccount or AS mirror account balance of the credited cash account after the settlement of an AS transfer order. RTGS report this balance in an AS Transfer Notice of a cross-AS cash transfer (CR493). |
| 31 | Entry Timestamp | TIMESTAMP | Mandatory | Timestamp of the first entry of the data. Part of the update control block. |
| 32 | Settled Amount | DECIMAL(31, 2) | Mandatory | This field specifies the amount that T2 settled for the cash transfer. |
| 33 | Debit Party Identifier | INTEGER | Mandatory | This attribute contains the unique technical identifier of the Party in Common Reference Data Management (CRDM) or in CRSS for historic data. |
| 34 | Credit Party Identifier | INTEGER | Mandatory | This attribute contains the unique technical identifier of the Party in Common Reference Data Management (CRDM) or in CRSS for historic data. |

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| 35 | Classification | VARCHAR(10) | Mandatory | This field provide the category and classification of the transfer order according to the Eurosystem statistical classification framework.<br>Code and Description<br>For CLM:<br>- C.10.00: CLM Intra<br>- C.10.20: CLM LT RTGS<br>- C.10.30: CLM LT T2S<br>- C.10.40: CLM LT TIPS<br>- C.11.01: Open Market Operations<br>- C.11.02: Standing Facilities<br>- C.11.03: Reserve and Account Management<br>- C.11.04: Inter Central Bank transactions<br>- C.11.05: Connected payments for credit line changes<br>- C.11.06: Non-euro area Central Bank operations<br>- C.11.09: Other (including cash transactions)<br>- C.12: Billing<br>- C.13: TARGET Balances<br>- C.14.01: Levelling out of closed accounts<br>- C.14.02: ECONS2 back transfers<br>- C.14.03: Seizure of funds<br>- C.19: Other<br>For RTGS:<br>- R.20.00: RTGS Intra<br>- R.20.10: RTGS LT CLM<br>- R.20.30vRTGS LT T2S<br>- R.20.40: RTGS LT TIPS<br>- R.21.01: Payments Interbank<br>- R.21.02vPayments Customer<br>- R.21.09vOther<br>- R.22.01: AS Transactions HVPS<br>- R.22.02: AS Transactions RPS<br>- R.22.03: AS Transactions IPS<br>- R.22.04vAS Transactions SSS<br>- R.22.05vAS Transactions FXS<br>- R.22.06: AS Transactions MMS<br>- R.22.07: AS Transactions CCP |

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| | | | | - R.22.09: AS Transactions Other<br>- R.23.01: Levelling out of closed accounts<br>- R.29: Other |
| 36 | Liquidity Transfer Type | VARCHAR(10) | Mandatory | This field specifies categorises liquidity transfer orders according to their processing characteristics in T2.<br>Code and Description<br>- A: Automated<br>- I: Immediate<br>- Q: Rule-based Queued<br>- R: Rule-Based Floor/Ceiling<br>- S: Standing order<br>- N/A: Not applicable |
| 37 | Liquidity Transfer Direction | VARCHAR(10) | Mandatory | This field provides for a liquidity transfer order the category for the exchange of funds.<br>Code and Description<br>- S: Intra-service liquidity<br>- O: Outgoing liquidity<br>- I: Incoming liquidity<br>- T: Technical liquidity transfer (only for CLM)<br>- N/A: Not applicable |
| 38 | Settlement Window | VARCHAR(10) | Mandatory | This field specifies the period during the T2 business day in which the cash transfer order settled.<br>Code and Description<br>- 1: CLM real-time settlement – Transactions settled during the CLM Real Time Settlement phase<br>- 2: RTGS real-time settlement I – Transactions settled during the RTGS Settlement Window 1<br>- 3: RTGS real-time settlement II – Transactions settled during the RTGS Settlement Window 2<br>- N/A: Not applicable |
| 39 | Initiator Type | VARCHAR(10) | Mandatory | This field documents the type of party that instructed the cash transfer order.<br>Code and Description |

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| | | | | - A: Orders instructed by a third party which is an AS<br>- B: Orders instructed by a third party which is a central bank<br>- C: Orders instructed directly by the credit participant<br>- D: Orders instructed directly by the debited participant<br>- P: Orders instructed by a third party which is neither an AS nor a central bank<br>- S: System generated transactions |
| 40 | Return Transaction | VARCHAR(10) | Mandatory | This field documents whether the cash transfer order is a return payment.<br>Code and Description<br>1. N: Not return payment<br>2. Y: Return payment |
| 41 | Contingency Payments | VARCHAR(10) | Mandatory | This field documents whether the cash transfer order is a contingency payment.<br>Code and Description<br>- M: Mandated payments – payments that a central bank instructs on behalf of its RTGS Account Holder in contingency situations<br>- B: Back-up payments – payments inputted via an RTGS function on exceptional basis when an RTGS Account Holder through an incident on its side loses its ability to send payment orders to RTGS<br>- N: Regular intra-bank payment orders<br>- N/A: Not applicable |
| 42 | Component System Payments | VARCHAR(10) | Mandatory | This field documents whether the cash account involved in the cash transfer order belong to the same central banks or different central banks.<br>Code and Description<br>- E: Extra-Component system payments, for which the debited and the credited accounts belong to different central banks<br>- I: Intra-Component system payments, for which the debited and the credited accounts belong to the same central bank |
| 43 | Intragroup Transactions | VARCHAR(10) | Mandatory | This field specifies whether the cash transfer order is intra-group.<br>Code and Description |

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| | | | | - N/A: Not applicable<br>- Y: intra-group cash transfer<br>- N: Not an intra-group cash transfer |
| 44 | Correspondent Banking | VARCHAR(10) | Mandatory | This field provides the corresponding banking classification of the cash transfer order.<br>Code and Description<br>- N/A: Not applicable<br>- B: the transaction is correspondent banking on both sending and receiving sides<br>- N: the transaction is not correspondent banking on either side<br>- R: the transaction is correspondent banking on the receiving side and not on the sending side<br>- S: the transaction is correspondent banking on the sending side and not on the receiving side |
| 45 | CLM Central Bank Operation Subtype | VARCHAR(10) | Optional | This field provides the classification for the central bank operation underlying the cash transfer order.<br>Code and Description<br>- N/A: Not applicable<br>- MLA: Automated Marginal Lending<br>- MLO: Marginal Lending on request (setting-up order)<br>- MLR: Marginal Lending reimbursement<br>- MLI: Interest payment for Marginal Lending<br>- ODO: Overnight Deposits (setting-up-order)<br>- ODV: Overnight Deposits reverse order<br>- ODR: Overnight Deposits refund<br>- ODI: Interest payment for Overnight Deposits<br>- OMR: Repayment of principal or interest<br>- OMS: Set-up of operation<br>- RMI: Interest payment for minimum reserves<br>- REI: Interest payment for excess of reserves<br>- RMP: Penalties for minimum reserves<br>- RAI: Interest payment on accounts<br>- RMO: Other reserve management transactions<br>- SFO: Other standing facilities transactions |
| 46 | RTGS Intra Settlement Service Liquidity Transfers | VARCHAR(10) | Optional | This field provides the classification for RTGS intra-service liquidity transfers<br>Code and Description |

| | | | | |
|---|---|---|---|---|
| | | | | - 1: RTGS DCA to RTGS DCA – Intra-service liquidity transfers between two RTGS DCAs<br>- 2: RTGS DCA to RTGS sub-account (AS settlement procedure C) – Liquidity transfers from an RTGS DCA to a linked sub-account dedicated to an an-cillary system using the AS settlement procedure C.<br>- 3: RTGS DCA to Ancillary System Technical Ac-count (AS settlement procedure D) – Liquidity transfers from an RTGS DCA to the technical account related to an ancillary system using AS settlement procedure D<br>- 4: RTGS technical/sub-account to RTGS DCA (AS settlement procedure C ) – Liquidity transfers from a technical or linked sub-account dedi-cated to an ancillary system using the AS settle-ment procedure C to an RTGS DCA<br>- 5: Ancillary System Technical Account to RTGS DCA (AS settlement procedure D) – Liquidity transfers from a technical account related to an ancillary system using AS settlement procedure D to an RTGS DCA<br>- 6: RTGS DCA to Ancillary System guarantee accounts – Liquidity transfers from an RTGS DCA to the guarantee account of an ancillary system<br>- 7: Ancillary System guarantee accounts to RTGS DCA – Liquidity transfers from the guarantee ac-count of an ancillary system to an RTGS DCA<br>- N/A: Filter not applicable |
| 47 | RTGS Ancillary System Settlement Procedure | VARCHAR(10) | Optional | The filter provides the classification for the AS settlement procedure.<br>Code and Description<br>- A: AS settlement procedure A<br>- B: AS settlement procedure B<br>- C: AS settlement procedure C<br>- D: AS settlement procedure D<br>- E: AS settlement procedure E<br>- N/A: Filter not applicable |
| 48 | Originator BIC | CHAR(11) | Optional | This field specifies the BIC of the originator of the cash transfer when the ISO message underlying the cash transfer specifies it in line with the definition in the Statistical Classification Framework Mapping. |

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| | | | | |
|---|---|---|---|---|
| 49 | Beneficiary BIC | CHAR(11) | Optional | This field specifies the BIC of the beneficiary of the cash transfer when the ISO message underlying the cash transfer specifies it in line with the definition in the Statistical Classification Framework Mapping. |

### 9.3.9 DXE06 - Business day file specification

This file provides the execution times of business events on a specific user-selected business day.

| No. | Logical Name | Data Type | Mandatory/ Optional | Definition |
|---|---|---|---|---|
| 1 | Business Day | DATE | Mandatory | This field specifies the business day of a Eurosystem market infrastructure. |
| 2 | Event Code | VARCHAR(4) | Mandatory | This field documents an event the T2 schedules and executes during the business day.<br>Code and Description for CLM Events<br>- CSOD: Change of business day<br>- CRTI: Start of CLM RTS<br>- CESO: Execution of standing orders in CLM<br>- CSCC: Start of currency specific closing<br>- CSMW: Start of non-optional maintenance window<br>- CEMW: End of non-optional maintenance window<br>- CECC: End of currency specific closing<br>- CSOM: Start of optional maintenance window<br>- CEOM: End of optional maintenance window<br>- CCII: Cut-off for CLM RTS<br>- CEOD: Start of EoD processing<br>- CCSF: General cut-off for standing facilities<br>- CCML: CB cut-off for marginal lending on request<br>- CCOS: EoD - close of service<br>Code and Description for RTGS Events<br>- RSOD: Change of business day<br>- RRTI: Start of RTGS RTS<br>- RESO: Execution of standing orders in RTGS<br>- RSCC: Start of currency specific closing<br>- RSMW: Start of non-optional maintenance window<br>- REMW: End of non-optional maintenance window<br>- RECC: End of currency specific closing<br>- RRII: Start of RTGS RTS II<br>- RSIC: Start of settlement window for interbank and customer payments<br>- RSOM: Start of optional maintenance window<br>- REOM: End of optional maintenance window<br>- RCOC: Cut-off for customer payments |

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| | | | | |
|---|---|---|---|---|
| | | | | - RCII: Cut-off for RTGS RTS II<br>- RLSO: Execution of standing orders after last settlement attempt in RTGS<br>- REOD: Start of EoD processing<br>- RCOS: EoD - close of service |
| 3 | Currency Code | VARCHAR(3) | Mandatory | The field provides the ISO currency code for the event |
| 4 | Scheduled Timestamp | TIMESTAMP | Mandatory | This field specifies the date and time at which the execution of the event is to take place during the business day. |
| 5 | Actual Timestamp | TIMESTAMP | Mandatory | This field specifies the date and time at which the execution of the event has been rescheduled to during the business day. This timestamp contains the value of the scheduled timestamp (TS_SCHED) when there was no rescheduling. |

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# 10 Data Warehouse Historical data

## 10.1 Introduction

This document provides a specification for the implementation of DWH reports for cash transfers and intraday credit metrics data migrated from the CRSS DWH. It also includes a list of data object that will be accessible to the user to create user-defined reports.

## 10.2 Historic intraday credit reports (IDH)

### 10.2.1 IDH02 - Intraday Credit Line Daily Reporting

**Context of usage**

The report IDH02 provides business users of a central bank with access to standardised reports to query historic intraday credit lines of its parties. The report displays historic information for a given business day and the time band of the business day:

- Maximum intraday credit amount;
- Minimum intraday credit amount;
- Intraday credit standard deviation amount;
- Intraday credit weighted average amount;
- Number of transactional events.

The report is only available to users of a central bank. A central bank user can only query parties under their central bank's remit.

**Report access**

This report is accessible through following navigation path:

[Team Content] >> [Predefined Reports] >> [IDH – Historic Intraday Credit Reports] >> [IDH02]

**Screenshot**

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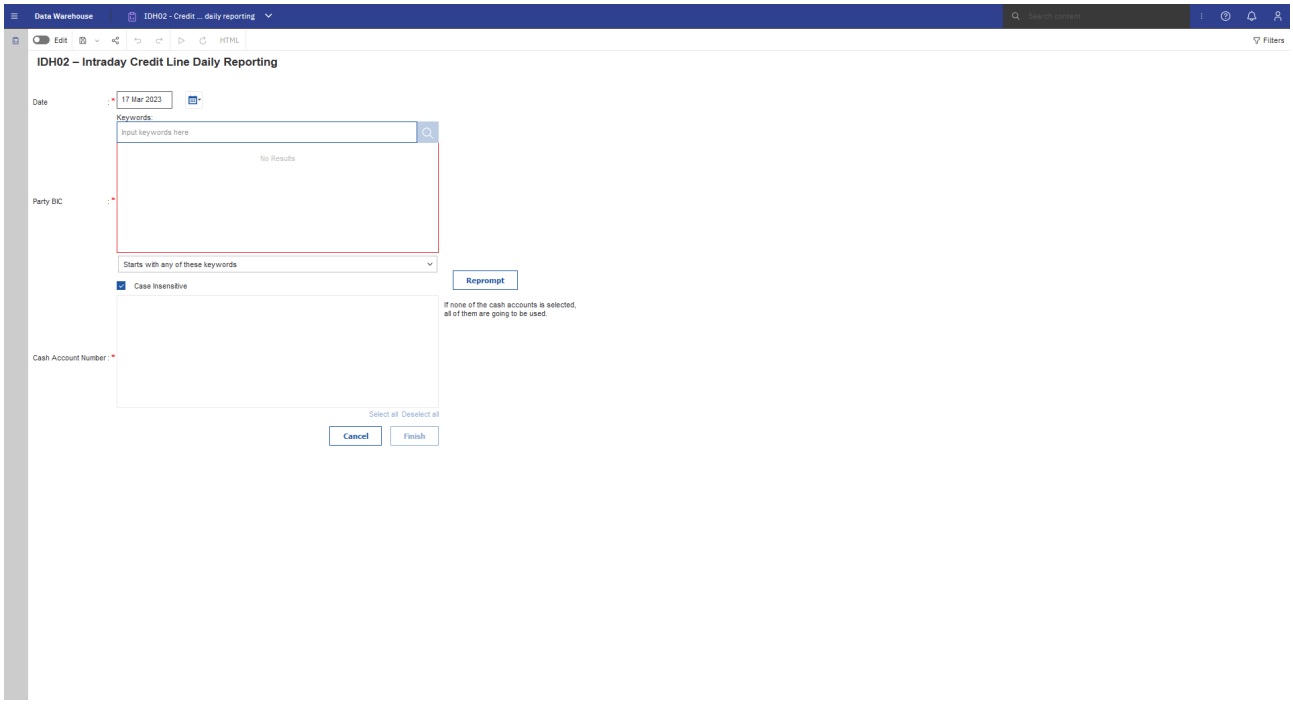



**Figure 585: IDH02 prompt screen**

| IDH02 – Prompt screen fields | |
|---|---|
| **Field label** | **Description** |
| Date | The user can select the date by clicking on the calendar and selecting a business day before the go-live of T2 on 20 March 2023.<br>This field is mandatory. |
| Party BIC | The drop-down field allows the user to select the Party BIC. This field will show all BICs that are under the remit of the central bank.<br>This field is mandatory. |
| Cash account number | This field displays the cash account number.<br>This field is mandatory. |

**Table 167: IDH02 - Prompt screen description**

## Screenshot

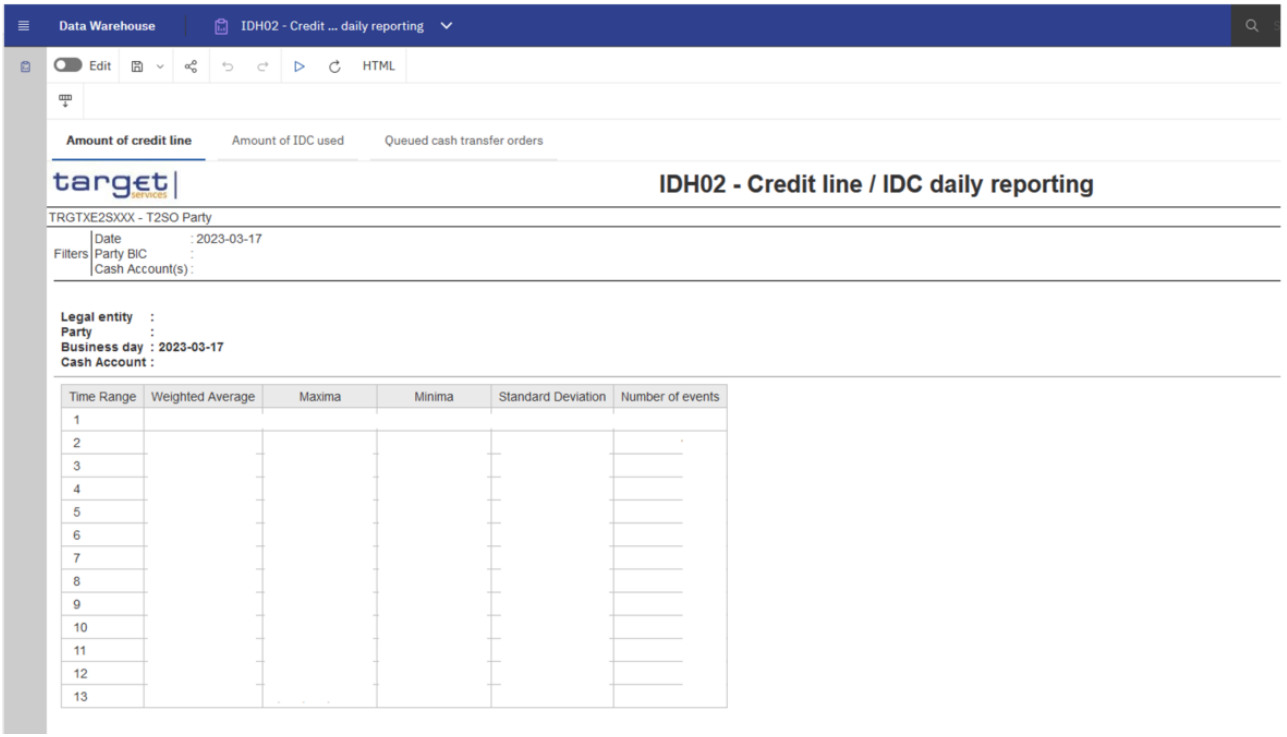



**Figure 586: IDH02 Results screen (1) for credit line amounts**

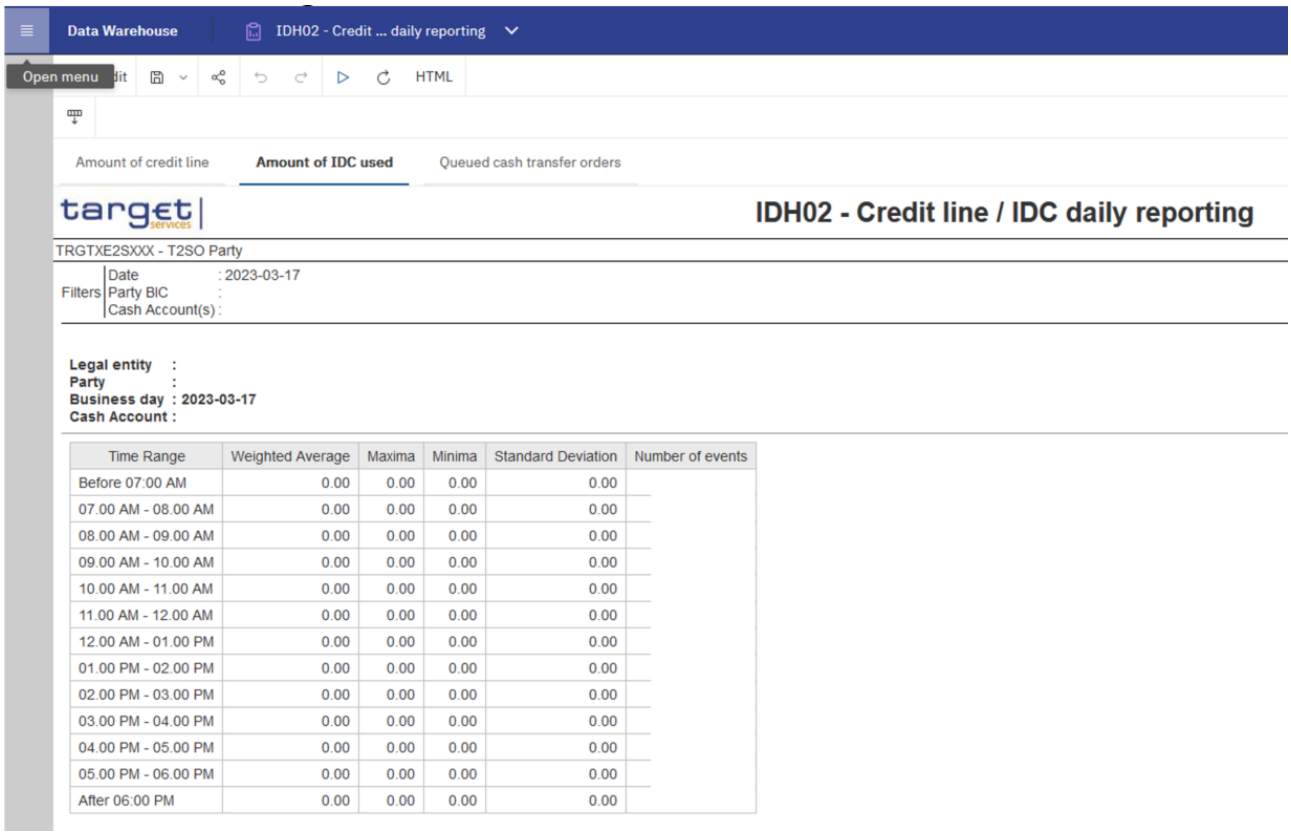



**Figure 587: IDH02 Results screen (2) for intraday credit amount used**

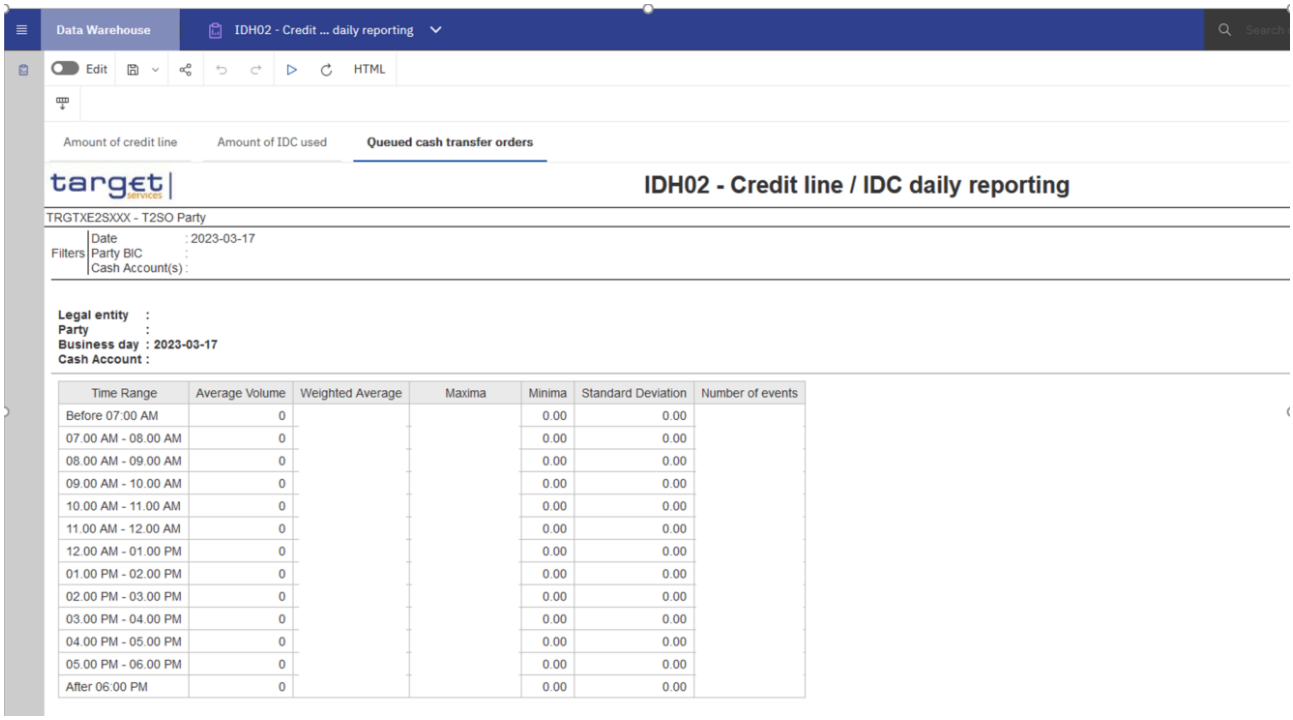



**Figure 588: IDH02 Results screen (3) for queued cash transfer orders**

| **IDH02 – Result screen description** | |
|---|---|
| **Field label** | **Description** |
| The results are available in separate tables for Amount of Credit Line, Amount of IDC Used/ and Queued Cash Transfer Orders | |
| Time range | Time range in one-hour intervals. |
| Average volume | The average volume only appears in the result for “Queued cash transfer orders” table and the column displays the average number of queued cash transfer orders in the timeframe 19:00:00 – 18:00:00 |
| Weighted average | The column displays for a time band the weighted average of<br>- the credit line amount<br>- the amount of IDC used<br>- the sum of values of queued cash transfer orders |
| Minima | The column displays for a time band the minimum of<br>- the credit line amount<br>- the amount of IDC used<br>- the sum of values of queued cash transfer orders |

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| | |
|---|---|
| Maxima | The column displays for a time band the maximum of<br>- the credit line amount<br>- the amount of IDC used<br>- the sum of values of queued cash transfer orders |
| Standard deviation | The column displays for a time band the standard deviation of<br>- the credit line amount values<br>- the amounts of IDC used<br>- the sum of values of queued cash transfer orders |
| Number of events | This column displays for a time band a sum of the<br>- changes to the credit line<br>- changes to the account balance influencing the IDC use<br>- Queued cash transfers |

**Table 168: IDH02 – Result screens for historic credit line and IDC reporting**

### 10.2.2 IDH03 - Credit line and intraday credit averages and maxima by cash account

**Context of usage**

This report provides the central bank user with information on the development of the credit line and intraday credit for a specified business day period and cash account owner. The report also provides for each business day in the selected period the weighted average and maximum amount credit line amount and intraday credit use.

This report is accessible only by central bank users.

**Report access**

This report is accessible through following navigation path:

[Team Content] >> [Predefined Reports] >> [IDH – Historic Intraday Credit Reports] >> [IDH03]

**Screenshot**

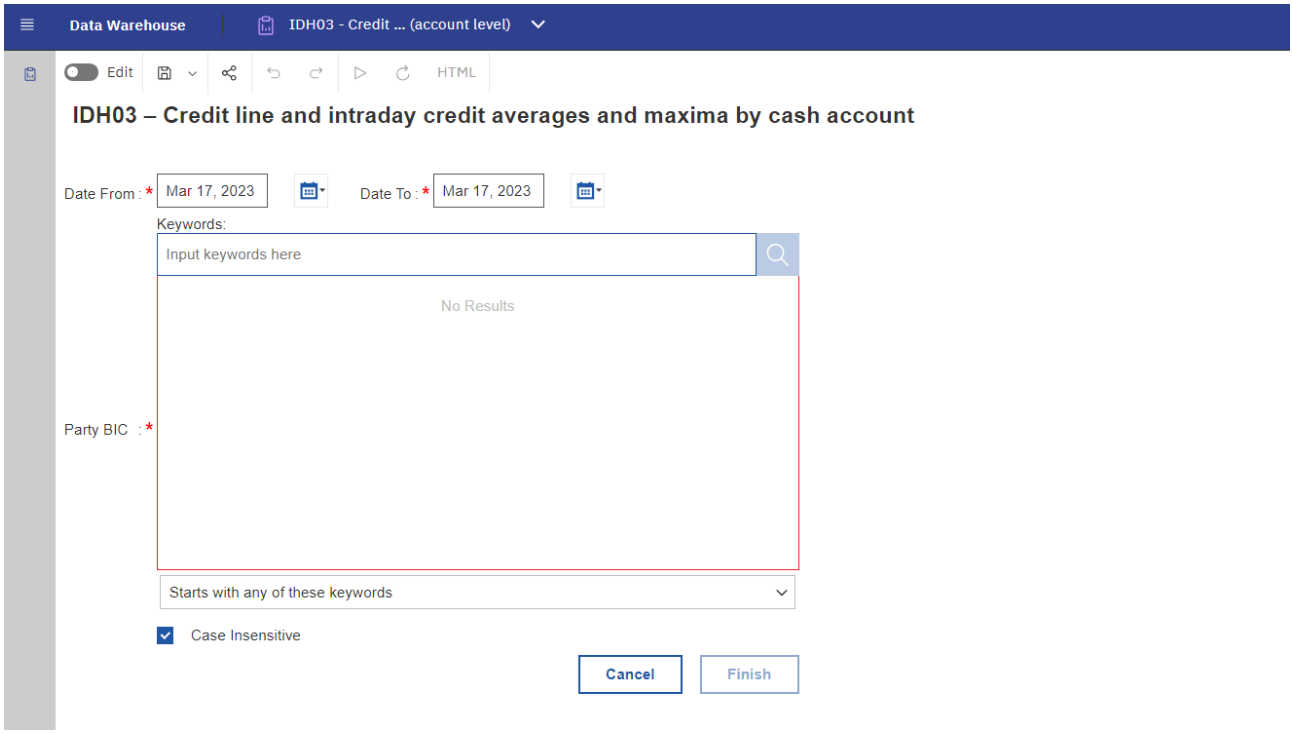



**Figure 589: IDH03 prompt screen**

| IDH03 – Prompt screen fields | |
|---|---|
| **Field label** | **Description** |
| Date From | The field allows the user to enter the business day from which the report is to provide intraday credit information. The user may select a date by clicking on the calendar or entering the date directly.<br>This field is mandatory. |
| Date To | The field allows the user to enter the business day to which the report is to provide intraday credit information. The user may select a date by clicking on the calendar or entering the date directly. This date must be prior to the go-live of the T2 Service (18 March 2023).<br>This field is mandatory. |
| Party BIC | This field allows the user to select one or more party BICs. This field will show all BICs that belong to the respective party of the user.<br>This field is mandatory. |

**Table 169: IDH03 – Prompt screen description**

## Results screen

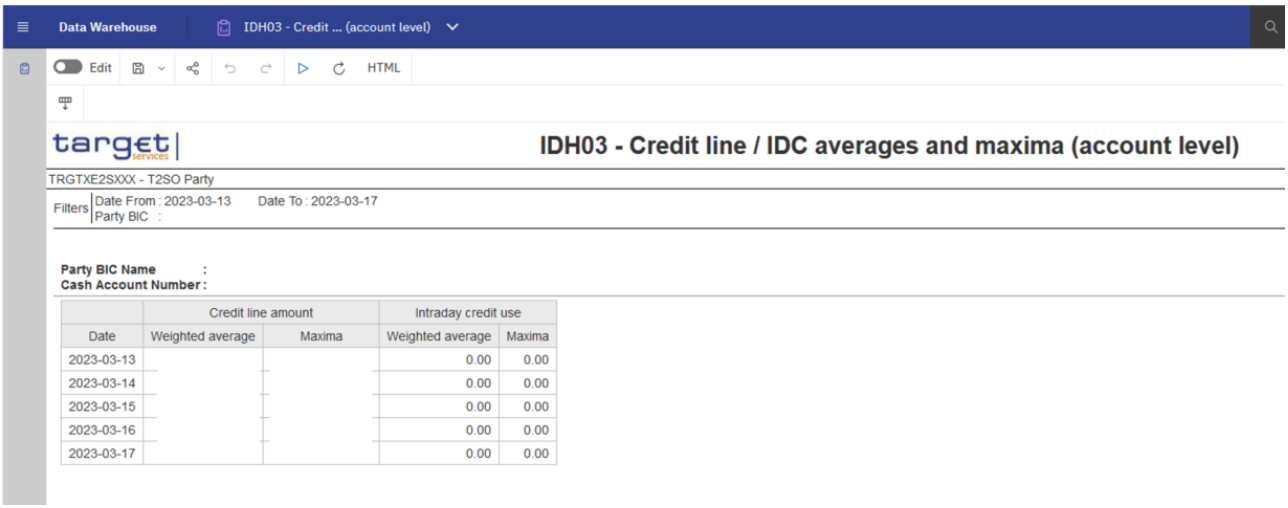



**Figure 590: IDH03 credit line amount and IDC use**

| IDH03 – Result screen description | |
|---|---|
| **Field label** | **Description** |
| Date | Lists the business day within the selected period. |
| Credit line amount: Weighted average | Weighted average of the credit line amount of that day. |
| Credit line amount: Maxima | Maximum of the credit line amount at that day. |
| Intraday credit use: Weighted average | Weighted average of the intraday credit line use of that day. |
| Intraday credit use: Maxima | Maximum of the intraday credit line use at that day. |

**Table 170: IDH03 - Result screen for credit line and intraday credit averages and maxima**

## 10.2.3 IDH05 - Maximum credit line used

**Context of usage**

This report provides central bank users with historic credit line and balance information for the SoD and EoD of one or more selected cash accounts for a specified business day. Moreover, the report documents the peak IDC use for the selected cash account(s) on the specified business day.

This report is accessible only by central bank users.

**Report access**

This report is accessible through following navigation path:

[Team Content] >> [Predefined Reports] >> [IDH – Historic Intraday Credit Reports] >> [IDH05]

## Screenshot

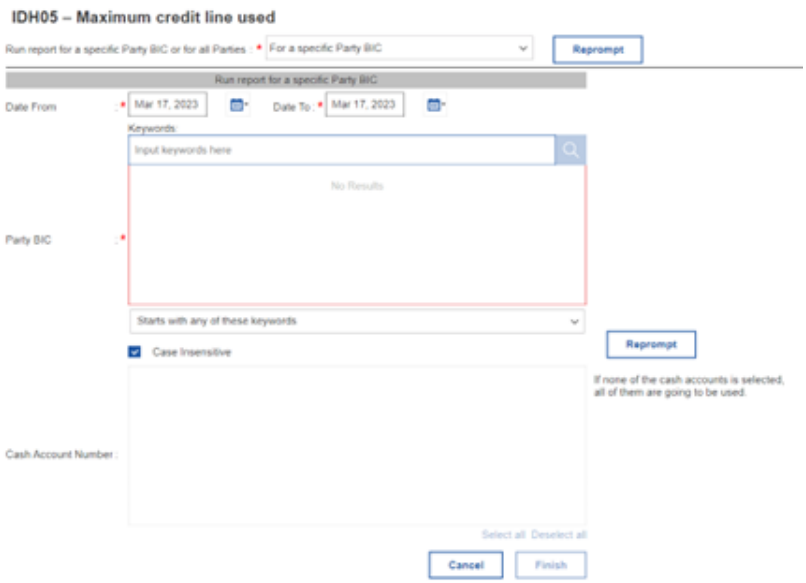



**Figure 591: IDH05 prompt – With specific party BIC selection**




**Figure 592: IDH05 prompt – for all parties**

| IDH05 – Report description – prompt screen – For a specific party BIC | |
|---|---|
| **Field label** | **Description** |
| Date from | This field allows the user to enter the business day from which the report is to provide intraday credit information. The user may select a date by clicking on the calendar or entering the date directly. |
| Date to | This field allows the user to enter the business day to which the report is to provide intraday credit information. The user may select a date by clicking on the calendar or entering the date directly. This date must be prior to the go-live of the T2 Service (18 March 2023). |
| Party BIC | This field allows the user to select the party BIC. The field will show all related BICs that belong to the respective party of the user and which are valid as of the date entered by the user. |

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| | |
|---|---|
| Cash Account number | This field allows the user to select the account number. The field must show all account numbers that are in the data scope of the central bank user and are valid as of the date entered by the user. When the user does not select a cash account number, the report shows results for all valid accounts. |

**Table 171: IDH05 – Prompt description – For a specific party BIC**

| **IDH05 – Report description – prompt screen – For all parties** | |
|---|---|
| **Field label** | **Description** |
| Reference date | This field allows the user to enter the business day for which the report is to provide intraday credit information. The user may select a date by clicking on the calendar or entering the date directly. |

**Table 172: IDH05 – Prompt description – For all parties**

## Output screen

target services

**IDH05 – Maximum credit line used**

TRGTXE2SXXX - T2SO Party

Filters: Date From : 2023-03-13 Date To : 2023-03-17; Party BIC :; Cash Account(s) :

**Party :**
**Cash Account Number :**

| | Credit line amount | | Account balance | | Peak IDC use | |
|---|---|---|---|---|---|---|
| Date | at SoD | at EoD | at SoD | at EoD | Amount | Credit line amount |
| 2023-03-13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2023-03-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2023-03-15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2023-03-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2023-03-17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

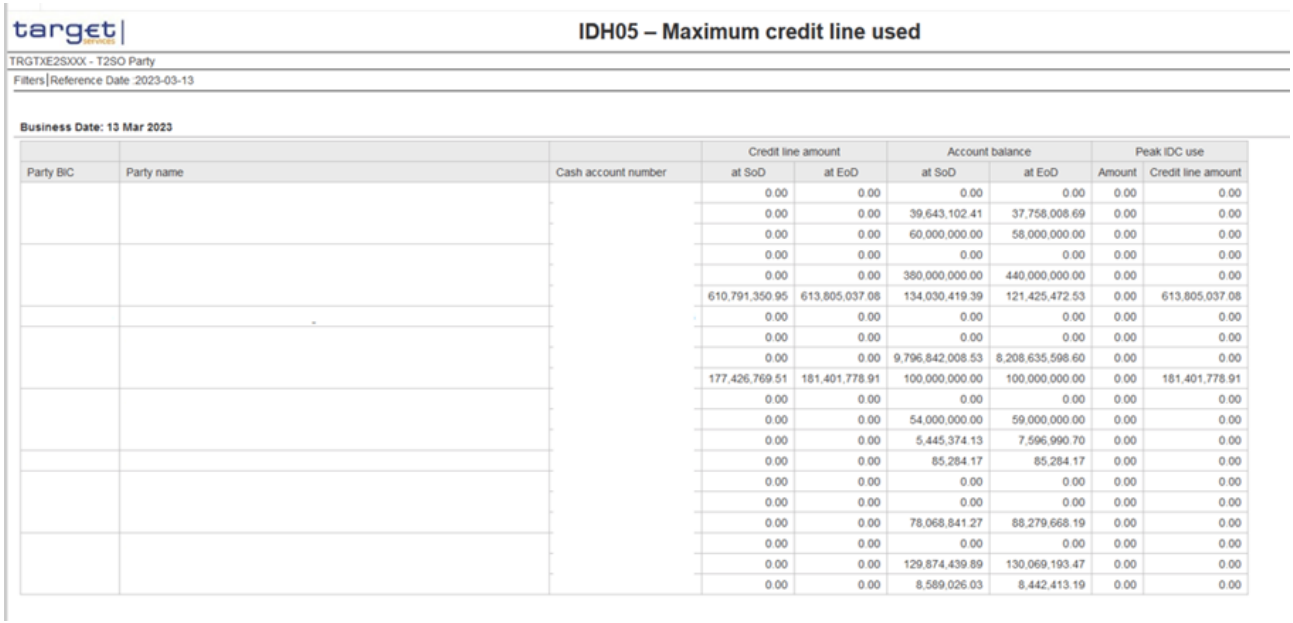
**Figure 593: IDH05 output – When selecting a specific party**

| **IDH05 – Results screen when selecting a specific party** | |
|---|---|
| The report provides the intraday credit metric for a party for each business day in the period that the user entered. The report provides the listed fields for the credit line amount | |
| Party | BIC and name of party as selected by the user and valid as of the entered date |
| Cash account number | Number of the cash account valid as of the entered date |
| Date | Business day of the reported amounts and balances |
| Credit line amount: at SOD | Credit line amount at start of day of the entered date |
| Credit line amount: at EOD | Credit line amount at end of day of the entered date |

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| IDH05 – Results screen when selecting a specific party | |
|---|---|
| Amount balance: at SOD | Amount balance at start of day of the entered date |
| Amount balance: at EOD | Amount balance at end of day of the entered date |
| Peak IDC used: amount | Maximum of the amount of IDC used of the entered date |
| Peak IDC used: credit line amount | Maximum of the amount of credit line of the entered date |

**Table 173: IDH05 – Output description**


IDH05 – Maximum credit line used

TRGTXE2SXXX - T2SO Party

Filters|Reference Date :2023-03-13

Business Date: 13 Mar 2023

| Party BIC | Party name | Cash account number | Credit line amount | | Account balance | | Peak IDC use | |
|---|---|---|---|---|---|---|---|---|
| | | | at SoD | at EoD | at SoD | at EoD | Amount | Credit line amount |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 39,643,102.41 | 37,758,008.69 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 60,000,000.00 | 58,000,000.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 380,000,000.00 | 440,000,000.00 | 0.00 | 0.00 |
| | | | 610,791,350.95 | 613,805,037.08 | 134,030,419.39 | 121,425,472.53 | 0.00 | 613,805,037.08 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 9,796,842,008.53 | 8,208,635,598.60 | 0.00 | 0.00 |
| | | | 177,426,769.51 | 181,401,778.91 | 100,000,000.00 | 100,000,000.00 | 0.00 | 181,401,778.91 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 54,000,000.00 | 59,000,000.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 5,445,374.13 | 7,596,990.70 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 85,284.17 | 85,284.17 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 78,068,841.27 | 88,279,668.19 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 129,874,439.89 | 130,069,193.47 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 8,589,026.03 | 8,442,413.19 | 0.00 | 0.00 |

**Figure 594: IDH05 output – When selecting all parties**

| IDH05 – Results screen when selecting all parties | |
|---|---|
| Field label | Description |
| Business Date | Date that was entered in the prompt |
| Party BIC | Party BIC of the cash account owner |
| Party name | Party short name of the cash account owner |
| Cash account number | Number of cash account valid as of the entered date |
| Credit line amount: at SOD | Credit line amount at start of day of the entered date |
| Credit line amount: at EOD | Credit line amount at end of day of the entered date |
| Amount balance: at SOD | Amount balance at start of day of the entered date |

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| IDH05 – Results screen when selecting all parties | |
|---|---|
| Amount balance: at EOD | Amount balance at end of day of the entered date |
| Peak IDC used: amount | Maximum of the amount of IDC used of the entered date |
| Peak IDC used: credit line amount | Maximum of the amount of credit line of the entered date |

**Table 174: IDH05 – Output description**

## 10.2.4 TRH01 - Historic cash transfers

### Context of usage

The report TRH01 provides a central bank with the possibility to search for historic cash transfer (orders) from CRSS using a set of defined filter criteria. The results list displays the details of a cash transfer (order). The central bank user can access the cash transfers (order) where one of its parties is involved on the credit and/or the debit side.

The user opt for the selection by reference or selection by business related criteria.

### Report access

This report is accessible through the following navigation path:

[Team Content] >> [Predefined Reports] >> [TRH – Transaction Historic Reports] >> [TRH01]

### Screenshot

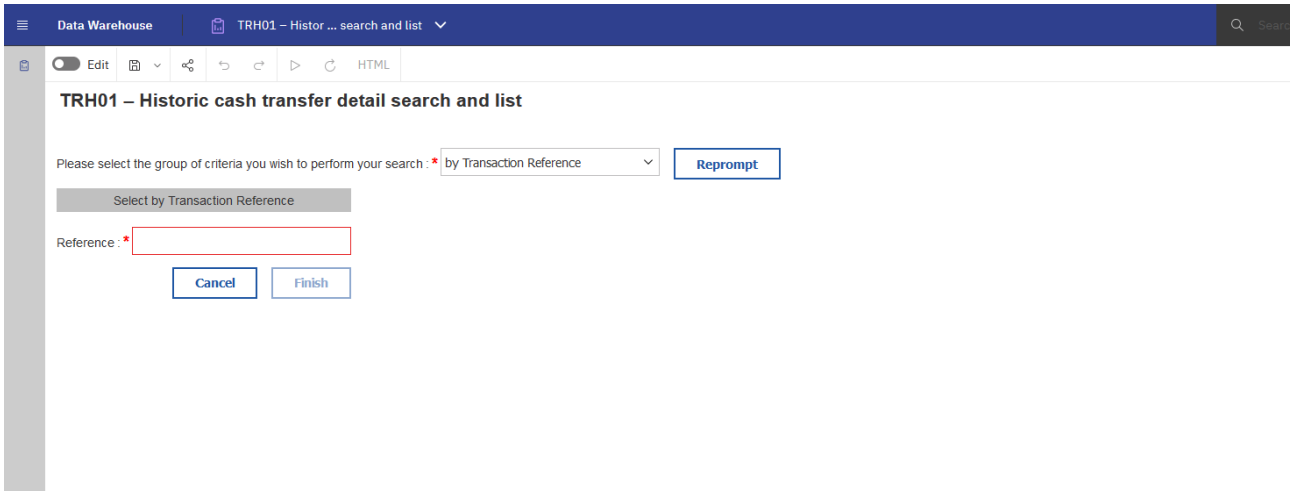



**Figure 595: TRH01 prompt (1) – by Transaction Reference**

| TRH01 – Prompt screen description | |
|---|---|
| **Field label** | **Description** |

| | |
|---|---|
| Search by transaction reference | |
| Reference | The user can enter any business reference that a cash transfer may have. This field is mandatory. |
| Search by Business Characteristics | |
| Date From | The user must enter a business day from which the selection of cash transfer are to be selected. A date selection by clicking on the calendar is possible.<br>This field is mandatory. |
| Date To | The user must enter a business day to which the selection of cash transfer are to be selected. A date selection by clicking on the calendar is possible.<br>This field is mandatory. |
| Debited/ Credited party BIC | This field allows the user to select the BIC of the debited resp. credited party. The possible values are built from parties within the user's data scope<br>This field is mandatory. |
| Message Type | This field enables the user to select one or more message types.<br>Offered message types are:<br>- Answer between HAM and PM<br>- HAM Interest<br>- Information ACKNACK<br>- Input and output MT103 messages<br>- Input and output MT103+ messages<br>- Input and output MT202 messages<br>- Input and output MT204 messages<br>- Input from SFM<br>- Input requests AML<br>- Input requests initiated via ICM<br>- Interest from RMM<br>- Message sent to PM<br>- No message type<br>- Penalty from RMM |
| Module | This field is available for selecting one or more originator modules of transaction.<br>Modules offered are: |

| | |
|---|---|
| | payment module<br>standing facilities<br>home accounting<br>reserve management |
| Cash Transfer Status | This field enables the user to select one or more cash transfer status.<br>Status offered are:<br>Final<br>Rejected<br>Revoked<br>Warehoused<br>- Not applicable |
| Payment Type | This field allows the user to select one or more payment types.<br>Payment types offered are:<br>Ancillary system payment<br>Backup payment<br>Billing<br>Cash withdrawal<br>Connected payment<br>Credit line<br>Interests<br>Liquidity transfers<br>Mandated payments<br>Minimum reserves penalties PM<br>REPO<br>Regular payment<br>No payment type |
| Amount from/to | This field allows the user to search by a specific settlement amount or settlement amount range. This field is optional. |

**Table 175: TRH01 - Prompt description**

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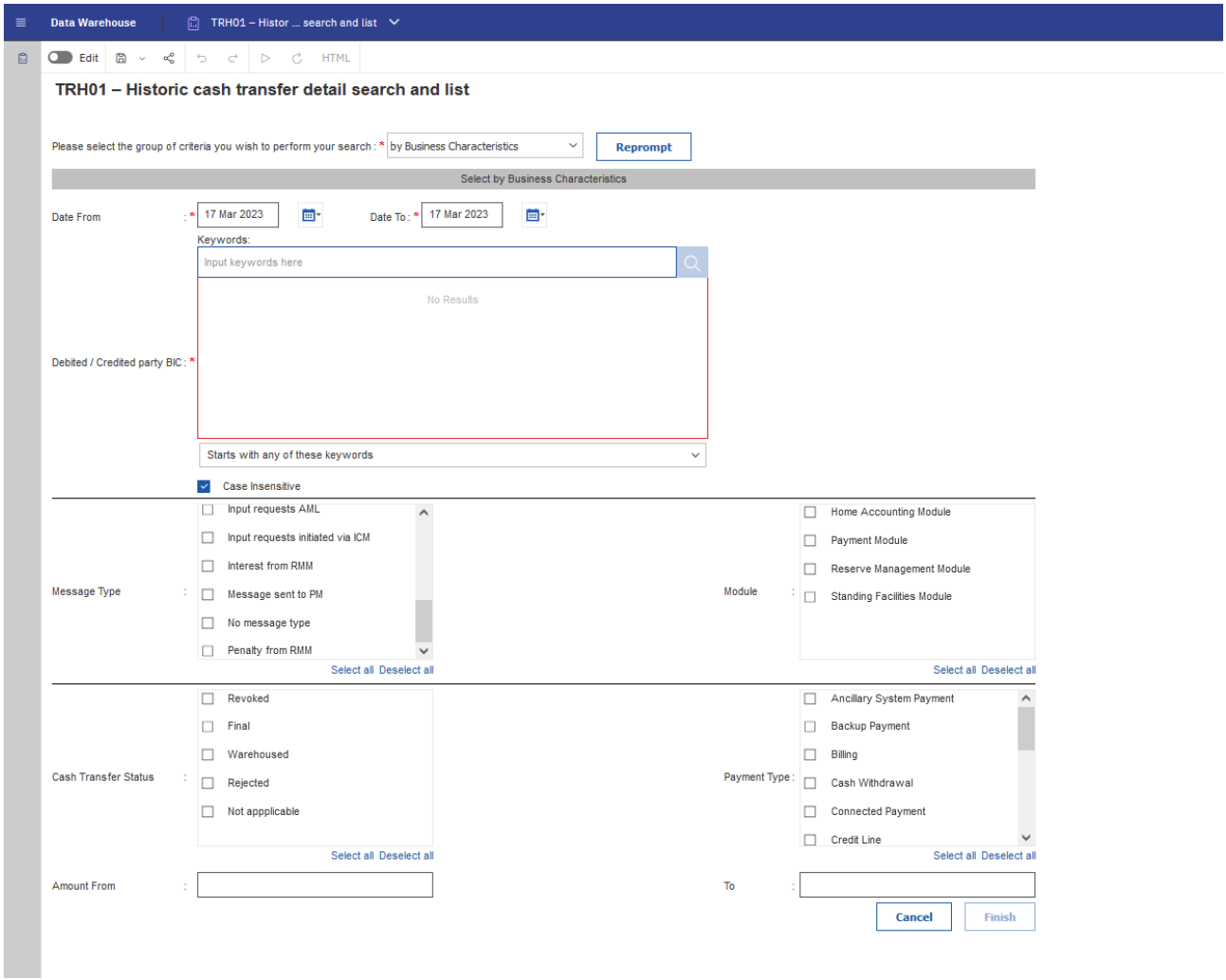



**Figure 596: TRH01 prompt (2) – by Business Characteristics**

## Screenshot – output screen

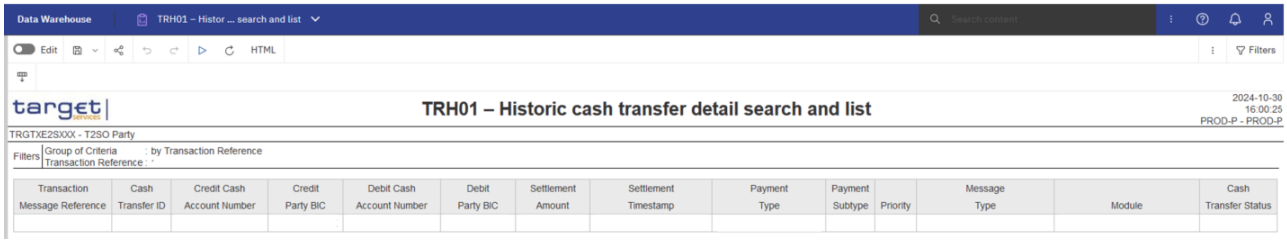



**Figure 597: TRH01 output (1) – by transaction reference**

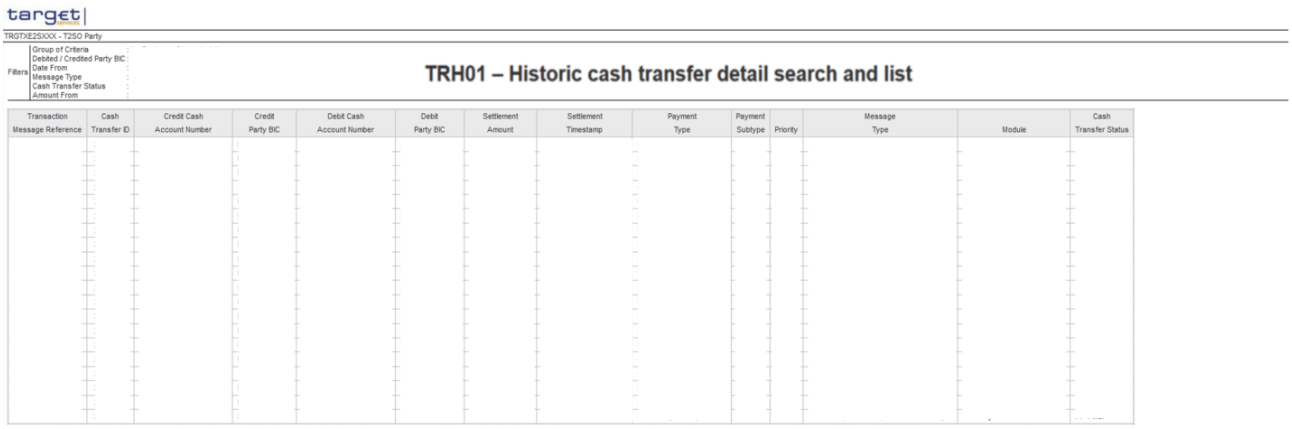



**Figure 598: TRH01 output (2) - by business characteristics**

| **TRH01 – Cash transfer results – screen for search by business reference** | |
|---|---|
| **Field label** | **Description** |
| Date | This date field is the business day on which the cash transfer was processed. |
| Currency | This field displays the ISO currency code |
| Transaction Message Reference | Transaction message reference as assigned by CRSS |
| Cash Transfer ID | Transaction reference; technical identifier of the transfer |
| Credit Cash Account Number | Number of the cash account credited by the cash transfer |
| Credit party BIC | BIC of the credited party / cash account owner |
| Debit Cash Account Number | Number of the cash account debited by the cash transfer |
| Debit party BIC | BIC of the debited party / cash account owner |
| Settlement amount | Settled amount of the cash transfer |
| Settlement time stamp | Time stamp of the cash transfer |

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| | |
|---|---|
| Payment Type | Possible values (display code and description)<br>Code Description<br>ASP Ancillary system payment<br>BKP Backup payment<br>BIL Billing<br>CWD Cash withdrawal<br>COP Connected payment<br>CLN Credit line<br>INT Interests<br>LQT Liquidity transfers<br>MAP Mandated payments<br>PEN Minimum reserves penalties PM<br>REP REPO<br>RGP Regular payment<br>999 No payment type |
| Payment Subtype | Display code |
| Priority | Possible values (display code):<br>Code Description<br>H highly urgent<br>U urgent<br>N normal payments |
| Message Type | Possible values (display code and description):<br>Code Description<br>PM-ANSWER Answer between HAM and PM<br>HAM-NTRST HAM Interest<br>F21 Information ACKNACK<br>MT103 Input and output MT103 messages<br>MT103+ Input and output MT103+ messages<br>MT202 Input and output MT202 messages<br>MT204 Input and output MT204 messages<br>SF Input from SFM<br>PM-SPILL Input requests AML<br>ICM Input requests initiated via ICM<br>RM-NTRST Interest from RMM<br>PM202 Message sent to PM<br>MT0 No message type<br>RM-PNLT Penalty from RMM |

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| | |
|---|---|
| Module | Possible values (display code and description):<br>Code Description<br>PY payment module<br>SF standing facilities<br>CO contingency module<br>HA home accounting<br>RM reserve management |
| Cash transfer status | Possible values (display code and description):<br>Code Description<br>FI Final<br>NS Rejected<br>CA Revoked<br>IN Warehoused<br>XX Not applicable |

**Table 176: TRH01 – Output description**

## 10.3 DWH historic data objects

DWH historic data objects are views in Cognos that are available to users to retrieve historic data from TARGET2 Single Shared Platform. The user can use these objects to build user-defined reports.

### 10.3.1 Party Reference Data

The historic party object in Cognos provides the list of participants from the Target2 static data module with their update history.

| Field | Description |
|---|---|
| Address City | This data item contains a text for the party address. |
| Country | This attribute provides the two-character country code of the party. |
| Exclusion Code | This field specifies whether a party was blocked or unblocked for processing. |
| Exclusion Timestamp | This field specifies the timestamp of the change in blocking status (Exclusion Code). |
| Institutional Sector Code | This field documents the institutional sector of a party for statistical purposes. |

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| Field | Description |
|---|---|
| Internet-Based Party | This field documents whether the party is connected as a party through the internet. |
| Legal Entity ID | This field specifies the unique legal technical identifier of the legal entity that is linked to the party. |
| Main BIC | This field flags the main BIC of the party. |
| Monetary Financial Institution | This data item stores the Monetary Financial Institution code (MFI code). |
| Party BIC | This data item documents the BIC of the party. |
| Party ID | This field specifies the unique technical identifier of the party. |
| Party Name | This attribute specifies the name of the party. |
| Party Status | This field specifies the status of the party, e.g. whether it is active. |
| Party Type | This attribute provides a classification of the party. |
| Valid From | This field specifies the date from which the instance of the party is valid. |
| Valid To | This field specifies the date to which the instance of the party is valid. |

**Table 177: Party data items**

## 10.3.2 Cash Account Reference Data

The historic party object in Cognos provides the list of cash accounts that were defined in Target2 static data module.

| Data Item | Description |
|---|---|
| Cash Account Currency | This data item is the name of the cash account |
| Cash Account Description | This data item is the name of the cash account |
| Cash Account ID | This field specifies the unique technical identifier of the cash account. |
| Cash Account Number | This attribute specifies the cash account number. |
| Cash Account Status | This field specifies the status of the party, e.g. whether it is active. |

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| Data Item | Description |
|---|---|
| Cash Account Timestamp | This field specifies the timestamp of a change to the cash account for a specific cash account identifier. There may be multiple instances of a cash account identifier in combination with this timestamp. |
| Cash Account Type | This attribute provides a classification of the cash account. |
| First Active Date | This field defines the business day that the cash account was available for processing. |
| Party BIC | This data item specifies the party BIC of the cash account owner. |
| Party Identifier | This data item specifies the unique technical party identifer of the cash account owner. |
| Update Type | This field specifies the type of update to the cash account. |
| Valid From | This field specifies the date from which the instance of the cash account is valid. |
| Valid To | This field specifies the date to which the instance of the cash account is valid. |

**Table 178: Cash account data items**

### 10.3.3 Central Bank Reference Data

The historic central bank object in Cognos provides the list of central banks thatTarget2 maintained in static data module.

| Data Item | Description |
|---|---|
| Calculation Periodicity | This data item specifies the calculation periodicity. |
| CCBM2 BIC | This attribute specifies the CCBM2 BIC for the central bank. |
| Central Bank ID | This field specifies the unique technical identifier of the central bank. |
| Central Bank Status | This field specifies the status of the central bank, e.g. whether it is active. |
| Central Bank T2S BIC | This data specifies the BIC of the central bank in T2S. |
| Central Bank Timestamp | This field specifies the timestamp of a change to the central bank for a specific central bank identifier. There may be multiple instances of a central bank identifier identifier in combination with this timestamp. |

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| Data Item | Description |
|---|---|
| Contingency BIC | This data item specifies the contingency BIC of the central bank. |
| Contingency BIC Valid From | This field specifies the date from which the instance of the central bank is valid. |
| Contingency BIC Valid To | This field specifies the date to which the instance of the central bank is valid. |
| Country | This attribute specifies the two-character country code of the central bank. |
| Credit Institution Liquidity Transfer | This field specifies a liquidity transfer flag for credit institution. |
| Deviating Central Bank BIC | This data item specifies a deviating BIC of the central bank. |
| Eurosystem Code | This data item document whether the central bank is a eurosystem central bank. |
| First Active Date | This field defines the business day that the central bank was available for processing. |
| Interlinking BIC | This data item specifies the linked BIC of the central bank. |
| Legal Entity ID | This field specifies the unique technical identifier of the legal entity linked to the central bank. |
| Standing Facilities Overnight Deposit Maximum Amount | This field specifies the maximum for standing facilities and overnight deposits. |
| Update Type | This field specifies the type of update to the central bank. |
| Valid From | This field specifies the date from which the instance of the central bank is valid. |
| Valid To | This field specifies the date to which the instance of the central bank is valid. |

**Table 179: Central bank data items**

## 10.3.4 Cash account intraday credit day history

This Cognos object provides the intraday credit metrics per cash account per business day.

| Data Item | Description |
|---|---|
| Business Day | This attribute provides the business day for which the intraday credit data have been calculated. |
| Cash Account ID | This field specifies the unique technical identifier of the cash account to provide the link to the cash account reference data. |
| Cash Account Intraday Credit ID | This data item stores the unique technical ID of the intraday credit data |
| Central Bank Country Code | This field documents the two-character ISO country code on the central bank. |
| Intraday Credit Code | This field specifies the type of amounts in the amount fields.<br>Code - Description<br>CL_BLOCKED - Amount of collateral used/blocked credit line for IDC purposes<br>CL_POSTED - Amount of collateral posted credit line for IDC purposes<br>CL_USED - Amount of collateral used credit line to make payments<br>OWN_BAL - Own funds balance on accounts<br>PAY_CAPA - Payment capacity on accounts<br>POS_BAL - Positive balance on accounts<br>QUEUE_VAL - Queued payments in value<br>QUEUE_VOL - Queued payments in volume<br>REAL_BAL - Real balance on accounts<br>REPO_BLOCKED - Amount of collateral used/blocked repo for IDC purposes<br>REPO_POSTED - Amount of collateral posted repo for IDC purposes<br>REPO_USED - Amount of collateral used repo to make payments<br>TOT_BLOCKED - Amount of collateral used/blocked for IDC purposes<br>TOT_POSTED - Amount of collateral posted for IDC purposes<br>TOT_USED - Amount of collateral used to make payments |
| Intraday Credit Event Count | This attribute provides the number of business transactions pertaining to the calculated amounts. |
| Intraday Credit Standard Deviation Amount | This data item documents the standard deviation for the intraday credit amount, as defined by the intraday credit code and based on the combination of business day and cash account. |

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| Data Item | Description |
|---|---|
| Intraday Credit Weighted Average Amount | This data item documents the weighted average for the intraday credit amount, as defined by the intraday credit code and based on the combination of business day and cash account. |
| Maximum Intraday Credit Amount | This field specifies the maximum intraday credit amount, as defined by the intraday credit code and for the combination of business day and cash account. |
| Minimum Intraday Credit Amount | This field specifies the minimum intraday credit amount, as defined by the intraday credit code and for the combination of business day and cash account. |
| System Entity | This data item provides the system entity of the central bank, as specifed in CRDM reference data. |

**Table 180: Intraday credit per business day data items**

## 10.3.5 Cash account intraday credit by time band

This Cognos object provides the intraday credit metrics per cash account and time band within the business day.

| Field | Description |
|---|---|
| Business Day | This attribute provides the business day for which the intraday credit data have been calculated. |
| Cash Account ID | This field specifies the unique technical identifier of the cash account to provide the link to the cash account reference data. |
| Cash Account IDC Time Band ID | This data item stores the unique technical ID of the intraday credit data by time band |
| Central Bank Country Code | This field documents the two-character ISO country code on the central bank. |
| Intraday Credit Code | This field specifies the type of amounts in the amount fields.<br>Code - Description<br>CL_BLOCKED - Amount of collateral used/blocked credit line for IDC purposes<br>CL_POSTED - Amount of collateral posted credit line for IDC purposes<br>CL_USED - Amount of collateral used credit line to make payments<br>OWN_BAL - Own funds balance on accounts<br>PAY_CAPA - Payment capacity on accounts<br>POS_BAL - Positive balance on accounts |

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| Field | Description |
|---|---|
| | QUEUE_VAL - Queued payments in value<br>QUEUE_VOL - Queued payments in volume<br>REAL_BAL - Real balance on accounts<br>REPO_BLOCKED - Amount of collateral used/blocked repo for IDC purposes<br>REPO_POSTED - Amount of collateral posted repo for IDC purposes<br>REPO_USED - Amount of collateral used repo to make payments<br>TOT_BLOCKED - Amount of collateral used/blocked for IDC purposes<br>TOT_POSTED - Amount of collateral posted for IDC purposes<br>TOT_USED - Amount of collateral used to make payments |
| Intraday Credit Event Count | This attribute provides the number of business transactions pertaining to the calculated amounts. |
| Intraday Credit Standard Deviation Amount | This data item documents the standard deviation for the intraday credit amount, as defined by the intraday credit code and based on the combination of business day and cash account. |
| Intraday Credit Weighted Average Amount | This data item documents the weighted average for the intraday credit amount, as defined by the intraday credit code and based on the combination of business day and cash account. |
| Maximum Intraday Credit Amount | This field specifies the maximum intraday credit amount, as defined by the intraday credit code and for the combination of business day and cash account. |
| Minimum Intraday Credit Amount | This field specifies the minimum intraday credit amount, as defined by the intraday credit code and for the combination of business day and cash account. |
| System Entity | This data item provides the system entity of the central bank, as specifed in CRDM reference data. |
| Time Band Code | This field documents a code to define the time band. |

**Table 181: Intraday credit by time band data items**

## 10.3.6 Cash account balances and amounts

This Cognos object provides balances and amounts per cash account and business day.

| Field | Description |
|---|---|
| Business Day | This attribute provides the business day for which the intraday credit data have been calculated. |

| Field | Description |
|---|---|
| Cash Account ID | This field specifies the unique technical identifier of the cash account to provide the link to the cash account reference data. |
| Cash Account IDC Daily Metric ID | This data item stores the unique technical ID of the amounts and balances. |
| Central Bank Country Code | This field documents the two-character ISO country code on the central bank. |
| Daily Total Credit Amount | This field documents the sum of the credit postings on the cash account at the end of the business day. |
| Daily Total Debit Amount | This field documents the sum of the debit postings on the cash account at the end of the business day. |
| End-of-Day Balance | This field documents the cash account balance at the end of the business day. |
| End-of-Day Bilateral Limit Amount | This field documents the bilateral limit for the cash account at the end of the business day. |
| End-of-day Cash Reservation Amount | This field documents the total amount of reservations at the end of the business day. |
| End-of-Day Credit Line Amount | This field documents the credit line amount for the cash account balance at the end of the business day. |
| End-of-Day Highly Urgent Reservation Amount | This field documents the total amount of highly urgent reservations at the end of the business day. |
| End-of-Day Multilateral Limit Amount | This field documents the multilateral limit for the cash account at the end of the business day. |
| End-of-Day Standing Order Reservation Amount | This field documents the total amount of standing order reservations at the end of the business day. |
| End-of-Day Threshold Reservation Amount | This field documents the threshold reservation amount at the end of the business day. |
| End-of-Day Urgent Reservation Amount | This field documents the total amount of urgent reservations at the end of the business day. |
| Group of Accounts Central Bank Country Code | This data item provides the two-character ISO country of the central bank for a group of accounts. |

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| Field | Description |
|---|---|
| Group of Accounts ID | The attribute provides the unique technical identifier of a group of accounts. |
| Group of Accounts System Entity | This data item provides the system entity of the central bank for a group of accounts. |
| Highly Urgent Pending Reservation Amount | This field documents the total amount of pending highly urgent reservations at the end of the business day. |
| Start-of-Day Balance | This field documents the cash account balance at the start of the business day. |
| Start-of-Day Bilateral Limit Amount | This field documents the bilateral limit for the cash account at the start of the business day. |
| Start-of-Day Cash Reservation Amount | This field documents the total amount of reservations at the start of the business day. |

**Table 182: Cash Account balances and amounts data items**

## 10.3.7 Cash transfers

This Cognos object provides all cash transfers.

| Field | Description |
|---|---|
| Cash Transfer ID | This field contains the unique technical identifier of the cash transfer (order). |
| Ancillary System Message ID | This field specifies the technical identifier of an ancillary system message. |
| Legal Entity Party ID | This field specifies the technical identifier of the legal entity that pertains to the cash transfer. |
| Cash Transfer Description | The attribute provides a long description of the type of liquidity transfer. |
| Settlement Identifier | This field contains the unique technical identifier of the cash transfer (order). |
| Settlement Amount | This field provides the funds that actually settled. |
| Settlement Link | This attribute documents the cash transfer business identifier with which the cash transfer is linked |

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| Field | Description |
|---|---|
| Settlement Reference | The field documents the business reference with which the instruction of the cash transfer took place. |
| Payment Module Message ID | This field specifies the technical identifier that the TARGET2 payment module assigned to the cash transfer. |
| CCBM2 BIC | This field specifies the BIC when the cash transfer is related to collateral in CCBM2. |
| Intermediary Creditor BIC | The intermediary creditor BIC is shown in this field when the cash transfer involves an intermediary on the credit leg. |
| Intermediary Debitor BIC | The intermediary debit BIC is shown in this field when the cash transfer involves an intermediary on the debit leg. |
| Credit Dedicated Cash Account Party BIC | This field specifies the BIC of the credited dedicated cash account holder on the business day of the cash transfer. |
| Debit Dedicated Cash Account Party BIC | This field specifies the BIC of the debited dedicated cash account holder on the business day of the cash transfer. |
| Currency Code | The attribute documents the three-character ISO code of the settlement currency. |
| Credit Dedicated Cash Account | This field specifies the credited dedicated cash account number. |
| Debit Dedicated Cash Account | This field specifies the debited dedicated cash account number. |
| Entry Hour Code | This attribute provides a code the documents the hour of the business date that the cash transfer entered the service.<br>Code - Description<br>0 - 12.00 PM - 01.00 AM<br>1 - 01.00 AM - 02.00 AM<br>2 - 02.00 AM - 03.00 AM<br>3 - 03.00 AM - 04.00 AM<br>4 - 04.00 AM - 05.00 AM<br>5 - 05.00 AM - 06.00 AM<br>6 - 06.00 AM - 07.00 AM<br>7 - 07.00 AM - 08.00 AM<br>8 - 08.00 AM - 09.00 AM |

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| Field | Description |
|---|---|
| | 9 - 09.00 AM - 10.00 AM<br>10 - 10.00 AM - 11.00 AM<br>11 - 11.00 AM - 12.00 AM<br>12 - 12.00 AM - 01.00 PM<br>13 - 01.00 PM - 02.00 PM<br>14 - 02.00 PM - 03.00 PM<br>15 - 03.00 PM - 04.00 PM<br>16 - 04.00 PM - 05.00 PM<br>17 - 05.00 PM - 06.00 PM<br>18 - 06.00 PM - 07.00 PM<br>19 - 07.00 PM - 08.00 PM<br>20 - 08.00 PM - 09.00 PM<br>21 - 09.00 PM - 10.00 PM<br>22 - 10.00 PM - 11.00 PM<br>23 - 11.00 PM - 12.00 PM<br>99 - No entry hour |
| Flow Type | This attribute documents whether cash transfer is cross-border or domestic.<br>Code - Description<br>CRB - Cross-border<br>DOM - Domestic |
| Link Reference Code | When applicable, this field provides a code to document the type of link between two cash transfers. |
| Module | This field documents the TARGET2 module in which the processing of the cash transfer took place.<br>Code - Description<br>HAM - Home accounting module<br>PM - Payment module<br>SF - Standing facilities module |
| BIC 52 Ordering Institution Party ID | This field provides the technical identifier of the ordering institution party from the message underlying the cash transfer |
| BIC 53 Sender Correspondent Party | This field provides the technical identifier of the sender correspondent |
| ID | party from the message underlying the cash transfer |

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| Field | Description |
|---|---|
| BIC 54 Beneficiary Party ID | This field provides the technical identifier of the beneficiary party from the message underlying the cash transfer |
| BIC 56 Intermediary Party ID | This field provides the technical identifier of the intermediary party from the message underlying the cash transfer |
| BIC 57 Cash Account Institution Party ID | This field provides the technical identifier of the cash account institution from the message underlying the cash transfer |
| BIC 58 Beneficiary Institution Party ID | This field provides the technical identifier of the beneficiary institution party from the message underlying the cash transfer |
| Receiving Central Bank Country | This field documents the two-character country code of the receiving central bank. |
| Receiver Party ID | This field documents the technical identifier of the receiving central bank. |
| Sending Central Bank Country | This field documents the two-character country code of the sending central bank. |
| Sending Party ID | This field documents the technical identifier of the sending central bank. |
| Debit Cash Account Party ID | The field documents the technical identifier of the party that holds the cash account that the cash transfer debits. |
| Credit Cash Account Party ID | The field documents the technical identifier of the party that holds the cash account that the cash transfer credits. |
| Direct Receiver Party ID | The field documents the technical party identifier of the direct recipient. |

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| Field | Description |
|---|---|
| Value Band ID | This field contain the value band to which the cash transfer is allocated.<br>Code - Description<br>1 - = 0<br>2 - > 0 and <= EUR 1250<br>3 - > EUR 1250 and <= EUR 12500<br>4 - > EUR 12500 and <= EUR 50000<br>5 - > EUR 50000 and <= EUR 250000<br>6 - > EUR 250000 and <= EUR 1M<br>7 - > EUR 1M and <= EUR 10M<br>8 - > EUR 10M and <= EUR 25M<br>9 - > EUR 25M and <= EUR 50M<br>10 - > EUR 50M and <= EUR 100M<br>11 - > EUR 100M and <= EUR 500M<br>12 - > EUR 500M and <= EUR 1B<br>13 - > EUR 1B |
| Transaction Message Reference | This field specifies the business reference of the message underlying the cash transfer. |
| Message Type | This field specifies the S.W.I.F.T. 15022 message type of the message underlying the cash transfer. |
| Operation Category | This field documents the operation category to which the cash transfer is assigned based on the attributes of the cash transfer.<br>Code - Description<br>CAT0 - No category<br>CAT1 - Payments between market participants<br>CAT2 - Operations with the central bank<br>CAT3 - Settlement operations<br>CAT4 - Liquidity transfer |
| Sender Aggregation Counting | This field contains a Boolean value to determine whether the cash transfer is included in the sender count.<br>Code - Description<br>F - Not included<br>T - Included |
| Receiver Aggregation Counting | This field contains a Boolean value to determine whether the cash transfer pertains to a contingency operation. |

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| Field | Description |
|---|---|
| | Code - Description<br>F - Not contingency transfer<br>T - Contingency transfer |
| Operation Type | This field documents the operation type to which the cash transfer is assigned based on the attributes of the cash transfer.<br>Code - Description<br>0 - No operation type<br>1.1 - Customer payments<br>1.2 - Interbank payments<br>2.1 - Cash operation<br>2.2 - Intraday repo and similar transactions<br>2.3 - Payments sent and/or received on behalf of customers<br>2.4 - Inter NCB payments<br>2.5 - Other transactions<br>3.1 - Trade by trade settlements of SSS<br>3.2 - Other settlement operations<br>3.3 - EBA Euro1<br>3.2 - CLS<br>3.5 - EBA Step2<br>4.1 - Intraday transfers with LVPS<br>4.2 - Intraday transfers with retail systems<br>4.3 - Intraday transfer with SSS<br>4.4 - Internal transfers between different accounts of the same participant<br>4.5 - Commercial transfers between different accounts of same participant<br>4.6 - Transfers to T2S<br>4.7 - Transfers back to TARGET2 from T2S<br>4.8 - Liquidity transfers to TIPS<br>4.9 - Liquidity transfers from TIPS<br>9.9 - Temporary operation type |
| Payment Type | This field documents the payment type to which the cash transfer is assigned based on the attributes of the cash transfer.<br>Code - Description<br>999 - No payment type |

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| Field | Description |
|---|---|
| | ASP - Ancillary System Payment<br>BIL - Billing<br>BKP - Backup Payment<br>CLN - Credit Line<br>COP - Connected Payment<br>CSD - CROSS AS SETTLEMENT<br>CWD - Cash Withdrawal<br>INT - Interests<br>LQT - Liquidity Transfer<br>MAP - Mandated Payment<br>PEN - Penalties<br>REP - REPO<br>RGP - Regular Payment |
| Payment Subtype | This field documents the payment sub-type to which the cash transfer is assigned based on the attributes of the cash transfer.<br>Code - Description<br>1BKMR - SM1 Liquidity Transfer CI to Technical account – procedure 6 real-time<br>1MRBK - SM1 Liquidity Transfer Technical account – procedure 6 real-time to CI<br>6COLA - Auto collateral sent by AS<br>6COLC - Auto collateral sent by CB<br>6COPA - Connected payments sent by AS<br>6COPC - Connected payments sent by CB<br>6FSBSU - SM6 interfaced model SB to SUB<br>6FSOR - Standing order 6F<br>6FSUPM - Back transfer of liquidity 6F<br>6GSOR - SM6 real-time model standing order<br>6MAPA - SM6 autocollateralisation mandated payment (per Auto-collateral account to sub account, sent by AS)<br>6MAPC - SM6 autocollateralisation mandated payment (per Auto-collateral account to sub account, sent by CB)<br>6SET - Settlement 6<br>6SIFFA - SM6 cross AS settlement (sent by AS)<br>6SIFFC - SM6 cross AS settlement (sent by CB)<br>6SIFGA - SM6 cross AS settlement (sent by AS)<br>6SIFGC - SM6 cross AS settlement (sent by CB)<br>6SIGFA - SM6 cross AS settlement (sent by AS) |

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| Field | Description |
|---|---|
| | 6SIGFC - SM6 cross AS settlement (sent by CB)<br>6SIGGA - SM6 cross AS settlement (sent by AS)<br>6SIGGC - SM6 cross AS settlement (sent by CB)<br>6STRA - Special transaction sent by AS<br>6STRC - Special transaction sent by CB<br>999999 - No payment subtype<br>BILH - Billing payment HAM<br>BILP - Billing payment PM<br>BKPM - Backup Payments PM<br>CLNC - Credit line connected payment<br>CLND - Settlement of an Order to change Credit Line (Delta Amount)<br>CLNO - Credit line order (Fixed Amount)<br>CUSHH - Customer payment<br>CWD - Cash Withdrawal<br>DACC - Liquidity transfer to CB for deleted account<br>EPA - Liquidity Transfer EOD PM to PHA<br>EPH - Liquidity Transfer EOD PM to HAM<br>EPP - Liquidity Transfer EOD between PM<br>EXP - GOA to excluded participant<br>F6GCUO - Current order FIN 6G<br>FCOP - Connected payments FIN<br>FMAP - Mandated Payments FIN<br>FPA - Liquidity Transfer FIN to PHA<br>FPH - Liquidity Transfer FIN to HAM<br>FPP - Liquidity Transfer FIN to PM<br>HAMER - Transfer with SF without any corresponding payment in SF HAMMAP Mandated payment (FIN) to HAM system BIC<br>HPSFOD - Overnight deposit transfers HAM to SF<br>I6FCUO - Current order ICM 6F<br>IBPPH - Payment IBP from PM to HAM<br>IHPS - Liquidity Transfer ICM HAM to PM or HAM to SF<br>INBHH - Interbank payment<br>INBPH - Interbank Transfer RTGS to other HAM account<br>INTHA - Interests from HAM<br>INTMLP - Marginal lending interests PM<br>INTOC - Interests for out countries<br>INTODH - Overnight deposit interests HAM |

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| Field | Description |
|---|---|
| | INTODP - Overnight deposit interests PM<br>INTRH - Minimum reserves interests HAM<br>INTRP - Minimum reserves interests PM<br>IOF - Overnight deposit on interests for out countries<br>IPH - Liquidity Transfer ICM PM to HAM<br>IPP - Liquidity Transfer ICM within GOA to PM<br>IRGHH - Payment ICM intra HAM<br>IRGHP - Payment ICM HAM to PM<br>IRGPH - Payment ICM to HAM<br>KSF - Liquidity Transfer of capital<br>LCTT2S - LiquidityCreditTransfer from T2S<br>LCTTIP - LiquidityCreditTransfer from TIPS<br>LDTT2S - LiquidityDebitTransfer from T2S (EoD only)<br>LEV - Levelling out transaction<br>LMAT2S - LiquidityCreditTransfer MX to T2S(mandated)sent by T2SActors<br>LMFT2S - LiquidityCreditTransfer FIN to T2S (mandated)<br>LMMT2S - LiquidityCreditTransfer MX to T2S (mandated) sent by CBs<br>LMMTIP - LiquidityCreditTransfer MX to TIPS (mandated) sent by CBs<br>LQT - insert CM payment<br>LTFT2S - LiquidityCreditTransfer FIN (MT202 Y-Copy) to T2S (only VAS)<br>LTHP - Liquidity transfer HAM to PM<br>LTIT2S - LiquidityCreditTransfer ICM to T2S<br>LTITIP - LiquidityCreditTransfer ICM to TIPS (push)<br>LTMT2S - LiquidityCreditTransfer MX (A2A) to T2S<br>LTMTIP - LiquidityCreditTransfer MX (A2A) to TIPS<br>LTPH - Liquidity transfer PM to HAM<br>ML - Marginal lending SF to PM<br>MLC - Marginal lending as connected payment<br>MLQ - Modify CM liquidity<br>MLR - Marginal lending refund PM to SF<br>MLRC - Marginal lending refund as connected payment<br>OD - Overnight deposit PM to SF<br>ODR - Overnight deposit refund SF to PM<br>ONI - Overnight deposit Negative Interests<br>PA - Liquidity Transfer PM to PHA |

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| Field | Description |
|---|---|
| | PENH - Minimum reserves penalties HAM<br>PENP - Minimum reserves penalties PM<br>PH - Liquidity transfer PM to HAM<br>PPSFOD - Overnight deposit transfers PM to SF<br>REP - REPO<br>RGBIP - Billing reverse payment PM<br>RGCP - Contingency module payment<br>RGHH - Payment MT202S intra HAM<br>RGHP - Payment MT202 HAM to PM<br>RGIBIB - Payment between two LVP participants<br>RGIBPP - Payment from LVP participant to Y-Copy<br>RGLB - Normal regular payment from or to liquidity bridge account<br>RGP - Regular Payment<br>RGPH - Payment MT202 PM to HAM<br>RGPP - Regular payment PM<br>RGPPIB - Y-Copy Payment to LVP participant<br>SAC - Automatic Marginal Lending on Capital<br>SAI - Automatic Marginal Lending on Interests<br>SFONI - Overnight deposit Negative Interests<br>SFSAC - SFM Automatic marginal lending Capital<br>SFSAI - SFM Automatic marginal lending Interest<br>SFSMC - SFM Margin lending on-request Capital<br>SFSMI - SFM Margin lending on-request Interest<br>SFSOC - SFM Overnight deposit Capital<br>SFSOI - SFM Overnight deposit Interest<br>SM2 - Real time settlement<br>SM3 - Bilateral settlement<br>SM3S - Bilateral settlement with singled ASIS<br>SM4 - Standard multilateral settlement<br>SM4C - Conversion settlement procedure 5 to 4<br>SM4G - Guarantee payment<br>SM4R - Reversal payment<br>SM5 - Simultaneous multilateral settlement<br>SMC - Marginal Lending on-request on Capital<br>SMI - Marginal Lending on-request on Interests<br>SOC - Overnight Deposit on Capital<br>SOI - Overnight Deposit on Interests |

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| Field | Description |
|---|---|
| | SOLT2S - Standing Order LT to T2S<br>SOLTIP - Standing Order LiquidityTransfer to TIPS<br>SORHPM - Standing order HAM to PM<br>SSPMAP - Mandated Payments FIN to SSP<br>TURN - Cross CB turnover transaction<br>X6FCUO - Current order XML 6F<br>X6GCUO - SM6 real-time model current order (per settle bank to Technical account – procedure 6 real-time or vice versa)<br>ZER - zero balance |
| Priority | This attribute documents the settlement priority of the payment<br>Code - Description<br>H - Highly urgent<br>N - Normal<br>U - Urgent |
| Receiving Account Category | This attribute documents the classification of the receiving cash account on the business day that the processing of the cash transfer took place.<br>Code - Description<br>SU - Normal HAM account<br>CB - CB HAM account<br>CU - CB customer account<br>LB - CB customer liquidity bridge<br>SFI - SF Interests<br>RIP - RM Interests and penalties<br>HAI - HAM Interests<br>T2F - TARGET 2 Fees<br>CI - Normal<br>CB - CB<br>LB - CB Customer Liquidity Bridge<br>EC - ECB Account<br>ECM - ECB Mirror Account<br>IL - SSP Interlinking Account<br>SFI - SFI : SF Interests<br>RIP - RM Interests and penalties<br>T2F - TARGET 2 Fees<br>ASM - AS Technical Account Proc 6 RT |

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| Field | Description |
|---|---|
| | ASG - AS Guarantee Account<br>ASC - AS Auto-collateral Account<br>AST - AS Technical Account<br>CM - CM Account<br>SUB - AS subaccount<br>CM - Contingency account<br>ML - Marginal lending<br>OD - Overnight deposit<br>T2S - T2S DTA Transit account<br>TIP - TIPS DTA Transit Account |
| Receiving Account Type | This attribute documents the classification of the receiving cash account that determines the assignment of the cash account to a module.<br>Code - Description<br>P - RTGS account<br>H - HAM account<br>S - SF account<br>A - AS subaccount<br>C - CM account |
| Receiving Central Bank | This field documents the technical identifier of the receiving central bank. |
| Billable Settlement Type | This attribute classifies the cash transfer for invoicing.<br>Code - Description<br>0 - The standard payment is not taken into account<br>1 - The standard payment is taken into account on the credit side<br>2 - The standard payment is taken into account on the debit side<br>3 - The payment coming from the ASI is taken into account<br>4 - The payment coming from the ASI is not taken into account |
| Cross-Border Settlement Type | This attribute documents classifies the cross-border settlement of a cash transfer.<br>Code - Description<br>CBN - Between non-migrated NCB<br>CBM - Between both migrated NCB |

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| Field | Description |
|---|---|
| Guarantee Type | This attribute documents the guarantee type associated to the cash transfer. |
| Intraday Credit Type | This attribute classifies the cash transfer for intraday credit.<br>Code - Description<br>C - Credit line<br>R - Repo |
| Reversal | This field specifies that the cash transfer is a reversal. |
| TARGET Settlement Type | |
| Settlement Status | This attribute documents the settlement status of the cash transfer<br>Code - Description<br>AL - All status<br>CA - Revoked<br>FI - Final<br>IN - Warehoused<br>NS - Rejected<br>XX - NA |
| Settlement Type | This attribute documents the classification of the settlement of the cash transfer<br>Code - Description<br>0 - Pending<br>1 - Entry disposition<br>2 - Express algorithm<br>3 - Settle connected payment<br>4 - AS settlements not booked<br>11 - Algorithm 1<br>12 - Algorithm 2<br>13 - Algorithm 3<br>14 - Algorithm 4<br>15 - Algorithm 5<br>18 - CM settlement<br>20 - Liquidity transfer and other ICM orders<br>80 - End-of-day booking<br>81 - Levelling out booking |

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| Field | Description |
|---|---|
| Sender Cash Account Category | This attribute documents the classification of the sender cash account on the business day that the processing of the cash transfer took place.<br>Code - Description<br>SU - Normal HAM account<br>CB - CB HAM account<br>CU - CB customer account<br>LB - CB customer liquidity bridge<br>SFI - SF Interests<br>RIP - RM Interests and penalties<br>HAI - HAM Interests<br>T2F - TARGET 2 Fees<br>CI - Normal<br>CB - CB<br>LB - CB Customer Liquidity Bridge<br>EC - ECB Account<br>ECM - ECB Mirror Account<br>IL - SSP Interlinking Account<br>SFI - SFI : SF Interests<br>RIP - RM Interests and penalties<br>T2F - TARGET 2 Fees<br>ASM - AS Technical Account Proc 6 RT<br>ASG - AS Guarantee Account<br>ASC - AS Auto-collateral Account<br>AST - AS Technical Account<br>CM - CM Account<br>SUB - AS subaccount<br>CM - Contingency account<br>ML - Marginal lending<br>OD - Overnight deposit<br>T2S - T2S DTA Transit account<br>TIP - TIPS DTA Transit Account |
| Sender Cash Account Type | This attribute documents the classification of the sender cash account that determines the assignment of the cash account to a module.<br>Code - Description<br>P - RTGS account<br>H - HAM account |

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| Field | Description |
|---|---|
| | S - SF account<br>A - AS subaccount<br>C - CM account |
| Time Band | This field provides the assignment of a cash transfer to a time range of a business day.<br>Code - Description<br>6 - Before 07:00 AM<br>7 - 07.00 AM - 08.00 AM<br>8 - 08.00 AM - 09.00 AM<br>9 - 09.00 AM - 10.00 AM<br>10 - 10.00 AM - 11.00 AM<br>11 - 11.00 AM - 12.00 AM<br>12 - 12.00 AM - 01.00 PM<br>13 - 01.00 PM - 02.00 PM<br>14 - 02.00 PM - 03.00 PM<br>15 - 03.00 PM - 04.00 PM<br>16 - 04.00 PM - 05.00 PM<br>17 - 05.00 PM - 06.00 PM<br>18 - After 06:00 PM<br>99 - No time range |
| Time Range | This field provides the assignment of a cash transfer to a time band of a business day.<br>Code - Description<br>0 - 12.00 PM - 01.00 AM<br>10 - 01.00 AM - 02.00 AM<br>20 - 02.00 AM - 03.00 AM<br>30 - 03.00 AM - 04.00 AM<br>40 - 04.00 AM - 05.00 AM<br>50 - 05.00 AM - 06.00 AM<br>60 - 06.00 AM - 07.00 AM<br>71 - 07.00 AM - 07.15 AM<br>72 - 07.15 AM - 07.30 AM<br>73 - 07.30 AM - 07.45 AM<br>74 - 07.45 AM - 08.00 AM<br>81 - 08.00 AM - 08.15 AM<br>82 - 08.15 AM - 08.30 AM<br>83 - 08.30 AM - 08.45 AM |

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| Field | Description |
|---|---|
| | 84 - 08.45 AM - 09.00 AM<br>91 - 09.00 AM - 09.15 AM<br>92 - 09.15 AM - 09.30 AM<br>93 - 09.30 AM - 09.45 AM<br>94 - 09.45 AM - 10.00 AM<br>101 - 10.00 AM - 10.15 AM<br>102 - 10.15 AM - 10.30 AM<br>103 - 10.30 AM - 10.45 AM<br>104 - 10.45 AM - 11.00 AM<br>111 - 11.00 AM - 11.15 AM<br>112 - 11.15 AM - 11.30 AM<br>113 - 11.30 AM - 11.45 AM<br>114 - 11.45 AM - 12.00 AM<br>121 - 12.00 AM - 12.15 AM<br>122 - 12.15 AM - 12.30 AM<br>123 - 12.30 AM - 12.45 AM<br>124 - 12.45 AM - 01.00 PM<br>131 - 01.00 PM - 01.15 PM<br>132 - 01.15 PM - 01.30 PM<br>133 - 01.30 PM - 01.45 PM<br>134 - 01.45 PM - 02.00 PM<br>141 - 02.00 PM - 02.15 PM<br>142 - 02.15 PM - 02.30 PM<br>143 - 02.30 PM - 02.45 PM<br>144 - 02.45 PM - 03.00 PM<br>151 - 03.00 PM - 03.15 PM<br>152 - 03.15 PM - 03.30 PM<br>153 - 03.30 PM - 03.45 PM<br>154 - 03.45 PM - 04.00 PM<br>161 - 04.00 PM - 04.15 PM<br>162 - 04.15 PM - 04.30 PM<br>163 - 04.30 PM - 04.45 PM<br>164 - 04.45 PM - 05.00 PM<br>184 - 06.45 PM - 07.00 PM<br>190 - 07.00 PM - 08.00 PM<br>200 - 08.00 PM - 09.00 PM<br>210 - 09.00 PM - 10.00 PM<br>220 - 10.00 PM - 11.00 PM |

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| Field | Description |
|---|---|
| | 230 - 11.00 PM - 12.00 PM<br>999 - No time band |
| Business Day | This field specifies the business day on which the processing of the cash transfer took place. |
| Ancillary System Settlement | This field contains a Boolean value to determine whether the cash transfer pertains to ancillary system processing.<br>Code - Description<br>F - Not Ancillary system settlement<br>T - Ancillary system settlement |
| Contingency Transfer | This field contains a Boolean value to determine whether the cash transfer pertains to a contingency operation.<br>Code - Description<br>F - Not contingency transfer<br>T - Contingency transfer |
| Queueing | This field contains a Boolean value to determine whether the cash transfer pertains to a contingency operation.<br>Code - Description<br>F - Not contingency transfer<br>T - Contingency transfer |
| Settlement Counting | This field contains a Boolean value to determine whether the cash transfer pertains to a contingency operation.<br>Code - Description<br>F - Not contingency transfer<br>T - Contingency transfer |
| Central Bank Aggregation Credit Counting | This field contains a Boolean value to determine whether the cash transfer is aggregated to the debit for a central bank.<br>Code - Description<br>F - No credit count inclusion<br>T - Credit count inclusion |
| Central Bank Aggregation Debit Counting | This field contains a Boolean value to determine whether the cash transfer is aggregated to the debit for a central bank.<br>Code - Description<br>F - No debit count inclusion |

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| Field | Description |
|---|---|
| | T - Debit count inclusion |
| Credit Cash Account ID | This field documents the technical identifier of the credit cash account. |
| Debit Cash Account ID | This field documents the technical identifier of the debit cash account. |
| Direct Sender Party ID | This field documents the technical identifier of the direct sender. |
| Process Band ID | This attribute documents the settlement priority of the payment<br>Code - Description<br>H - Highly urgent<br>N - Normal<br>U - Urgent |
| Contingency Session ID | This attribute documents the technical identifier of a contingency session when the creation of the cash transfer to place during a contingency settlement operations. |
| Settlement Error ID | This field specifies an error code if the settlement fails. |
| Settlement Processing Duration Seconds | This field documents the processing duration of the cash transfer in settlement. |
| Closing Timestamp | This field documents the date and time of the system closing. |
| Sent to Settlement Timestamp | The field documents the date and time that submission of the cash transfer took place. |
| Received by Settlement Timestamp | This field document the date and time the settlement received the cash transfer for processing. |
| Message Entry Timestamp | This field specifies the date and time that the message instructing cash transfer was received. |
| Payment Module Settlement Timestamp | This attribute documents the date and time that the cash transfer settled in the payment module. |

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| Field | Description |
|---|---|
| Linked Initial Payment Payment Module Settlement Timestamp | This field specifies the settlement date and time of that the payments module settled the first cash transfer of a set of linked cash transfers settled. |
| Settlement Timestamp | This attribute documents the date and time that the cash transfer settled. |

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