



### **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 <u>Overview</u> [ $\triangleright$  38]) 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:

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

#### <u>Links</u>

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]



#### <u>Tables</u>

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.

#### 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 technical requirements.

#### 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



- l copy and save a report (see chapter <u>Copy, save and export</u> [▶ 80])
- I run a report (see chapter <u>Running reports</u> [▶ 92])
- I schedule a report (see chapter <u>Scheduling reports</u> [▶ 113])

#### Chapter 5

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

#### Chapter 6

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.



# 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),
- I 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:

- I Users have access to their parties' data based on the data scope according to the hierarchical model (for details please refer to CRDM UDFS).
- I 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.



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 <u>Scheduling reports</u> [▶ 113].

**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:



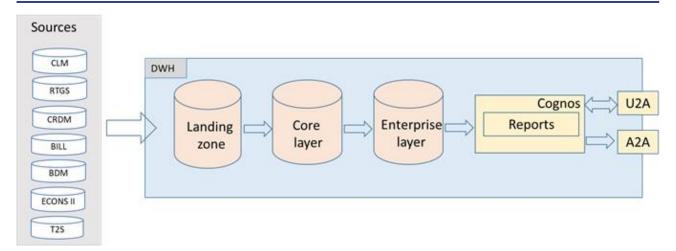


Figure 1 - DWH high level overview



# 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.<sup>1</sup>

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.

=	Data Warehouse	Q Search content	¢	ጸ
				×
	Welcome to the Data Warehouse			
	Everything you need to analyze Target Services performance is here.			

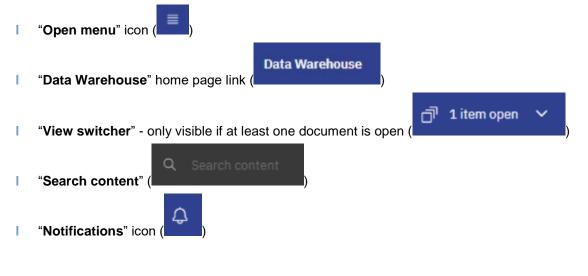
#### Figure 2 - Welcome page

The welcome page consists of the following building blocks:

#### **Global application bar**

The global application bar (the blue bar at the top of the screen) is a constant element of the user interface.

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

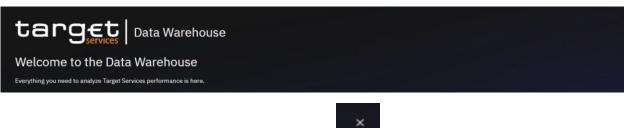


<sup>1</sup> For details on the network communication and services, please refer to the Connectivity Guide specified in the ESMIG UDFS.



۲ "Personal menu" icon (

Welcome banner



You can hide the banner by clicking the "**Close**" icon (**Descent**) or you can go to the personal menu, and under "**Profile and settings > Settings**", toggle the "**Welcome banner**" switch on or off.

# 3.2 Navigating in the DWH GUI – Global application bar

#### 3.2.1 Open menu

The "Open menu" is the main access point to the Cognos Analytics.

Click the "**Open menu**" icon (

#### 3.2.2 Data Warehouse icon



#### 3.2.3 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.

	Data Warehouse ☐ 2 items open ∨	Q Search content	4	ጸ
8				

#### Figure 3 - 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:

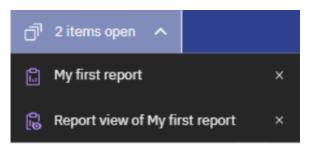


Figure 4 - Welcome page - navigation view - items

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

đ	2 items open \land	
£	My first report	×
20	Report view of My first report	×

Figure 5 - Welcome page – navigation view – items – report view selection

#### 3.2.4 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.

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

=	Data Warehouse	Q trn ×	¢		ጸ
		Suggestions			
	tanget Data Warehouse	TRN - Transaction Reports			
		TRN09 - RTGS Account Holder activity			
	Welcome to the Data Warehouse	TRN01 - Cash transferer) search and details			
	Everything you need to analyze Target Services performance is here.				

#### Figure 6 - 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 ( $\square$ ), 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.

Showing results for 'TRN - Transaction Reports'			Close Save search (2)
Showing 2 items	Location	Туре	Last Accessed
TRN - Transaction Reports	Team content > Predefined Reports	Folder	3/17/2022, 9:57 AM
TRN - Transaction Reports	Team content > Predefined Reports SWP2	Folder	3/17/2022, 9:56 AM :

#### Figure 7 - 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.

Showing results for 'TRN - Transaction Reports'						search 🖺
	ing 2 items		More +	Add shortcut 🏟	Properties 중 Details	③   Cancel
•	Name	Location		Туре	Last Accessed	
~	TRN - Transaction Reports	Team content > Predefined Reports		Folder	3/17/2022, 9:5	7 AM :
	TRN - Transaction Reports	Team content > Predefined Reports SWP2		Folder	3/17/2022, 9:56	6 AM

#### Figure 8 - 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**" (<sup>‡</sup>) icon. The actions that are available for the selected item are shown. For example, the following screen capture shows actions for a report.

	ng 2 items selected	de la companya de la	More + Add shortcut	⇔ Properties 🛱	Details ①   C	ancel
8	Name	Location	Туре	Last	Accessed	
~	TRN - Transaction Reports	Team content > Predefined Reports	Folder	3/17,	(2022, 9:57 AM Share	1
	TRN - Transaction Reports	Team content > Predefined Reports SWP2	Folder	3/17/		

#### Figure 9 - 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.

#### 3.2.5 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..

	Data Warehouse	Q Search content	<b>Ф</b> 8
۵			×
	Welcome to the Data Warehouse		
	Everything you need to analyze Target Services performance is here.		

#### Figure 10 - 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.

≡	Data Warehouse	C TRN03 - Monthly peak HTML V Q Search content	
	D ×		Notify me
	- The second sec		
		TRN03 - Monthly peak day and peak hour in terms of value and volume of	of cash 2022-06-02
	target	transfer orders	9:50:28 DEV - Development

#### Figure 11 - 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



Edit

).

#### 3.2.5.1 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.

		Data Warehouse 🗋 ANS01 - Overv transfer orders 🗸 Q. Search content	۵	ጸ
	0	C Edit B v 5 c D v C	8	Filters
		ANS01 - Overview of AS transfer orders		
1				

Figure 12 - 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



) 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 <u>Scheduling reports</u> [> 113].

#### 3.2.6 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 <u>Profile and settings</u> [▶ 47].



Navigating in the DWH GUI - Global application bar

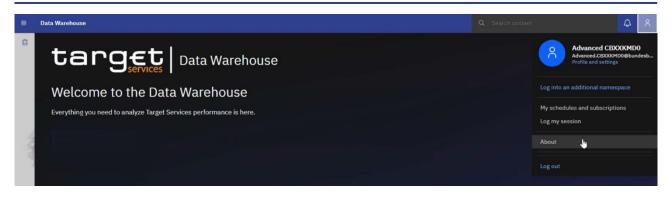


Figure 13 - Welcome screen – Personal menu (1)

Advanced CBXXKMD0 Advanced.CBXXKMD0@bundesb Profile and settings					
Log into an additional namespace					
My Inbox					
My schedules and subscriptions					
My Watch Items					
Log my session					
About					
IBM Cognos Analytics Mobile					
Log out					

Figure 14 - Welcome screen – Personal menu (2)

#### 3.2.6.1 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.

Profile and settings								
Update profile and settings								
Profile	Settings							
Email								
Advanced.CBXXKMD0@bundesbank.de								
Advanced options								
Credentials		Renew						
My credentials		Manage						
Groups and roles		View details						
My capabilities		View details						
Logging		Manage						
AI learning		Manage						

Figure 15 - 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 <u>Understanding user rights and access rights (advanced users)</u> [▶ 566] to find more information about groups and roles.



Profile and settings	
Update profile and settings	
Profile	Settings
Email	
Advanced options	
Credentials	Renew
My credentials	Manage
Groups and roles	View details
My capabilities	View details
Logging	Manage
AI learning	Manage

#### Figure 16 - 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.

< Back	Groups and Roles	
In this session, yo groups and roles:	u can use the access permissions of these	
Groups Advanced All Authenticat Central Bank Everyone KM	ed Users	
Roles Authors		

#### Figure 17 - 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.



Profile and settings		
Update profile and settings		
Profile	Settings	
Email		
Advanced.CBXXKMD0@bunde	esbank.de	
Advanced options		
Credentials		Renew
My credentials		Manage
Groups and roles		View details
My capabilities		View details
Logging		Manage
AI learning		Manage

Figure 18 - Welcome screen – Personal menu – Profile and settings – Profile – My capabilities (1)



K Back My Capabilities	
These capabilities are available to you:	
AI Use Assistant	•
Analysis Studio	
Cognos Viewer Context Menu Run With Options Selection Toolbar	
Collaborate Allow collaboration features Launch collaboration tools	
Event Studio	
External Repositories View external documents	
Generate CSV Output	
Generate PDF Output	
Generate XLS Output	
Generate XML Output	Ĩ
Glossary	
Lineage	
Query Studio Advanced Create	

#### Figure 19 - Welcome screen – Personal menu – Profile and settings – Profile – My capabilities (2)

#### 3.2.6.2 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.



Profile and settings										
Update profile and settings										
Profile	Settings									
Email										
Advanced.CBXXKMD0@bund	lesbank.de									
Advanced options										
Credentials		Renew								
My credentials		Manage								
Groups and roles		View details								
My capabilities		View details								
Logging		Manage								
AI learning		Manage								

Figure 20 - Welcome screen – Personal menu – Profile and settings - Logging

< Back	Logging
Logging is used for tro administrator for guid	oubleshooting. Consult your lance on settings.
Logging is on:	
Logging level:	Warning 🗸

#### Figure 21 - 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:

#### <u>Error</u>

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



#### <u>Warning</u>

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**

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.

#### <u>Debug</u>

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.

< Back	Logging	
00 0	troubleshooting. Consu uidance on settings.	lt your
Logging is on:		
Logging level:		Warning 🗸
		Error
		Warning
		Information
		Debug

#### Figure 22 - Welcome screen – Personal menu – Profile and settings - logging level

#### 3.2.6.2.1 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**".



Profile and setti	ngs
Update profile and set	tings
Profile	Settings
General	
Home page	Default
Set home as (current v	riew) Set
Welcome banner	_
Accessibility features	•
Content settings	
Show hidden entries	
Report format	
HTML	~
Regional options	
Time zone	
(GMT+01:00) Germa	any Time 🗸 🗸 🗸
Product language	
English	~
Content language	

Figure 23 - 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 choose also one of the following formats:

- Excel (same content as html but as Excel file)
- Excel Data (only the report data is exported Not recommended since it does not work properly)



- l Pdf
- I Html
- Csv
- I 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

#### Show hidden entries

When you first sign in to the DWH, you can see hints that help you navigate through the user interface. If you turn the hints off, but want to show them again, select the "Show hidden entries" check box.

#### 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.

#### 3.2.6.3 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 (

Subscribe

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.

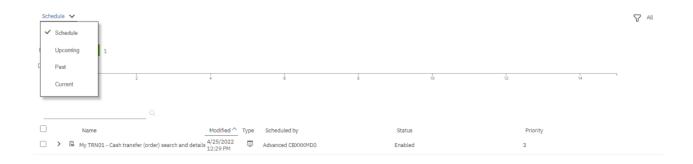


There can be up to 32 subscriptions for the same report. Created by running a report and, in view mode, tapping the "More" icon ( ) in the application bar. Only the subscriber can view their subscription. Only the most recent saved report output is available. The report can be run daily or weekly. You can view a list of your scheduled activities that are current, past, or upcoming on a specific day.

Enabled 1 Disabled 0 2 2 4 6 6 7 10 12 14	Schedule	<u> </u>							Y All
	Enabled	1							
	Disabled 0	)							
Q	0	12	4	6	1 8	10	12	14	
Q									
			Q						
Name         Modified ^         Type         Scheduled by         Status         Priority					S	Status	Priority		
□ > R My TRN01 - Cash transfer (order) search and details 4/25/2022 □ Advanced CBXXXKMD0 Enabled 3		🕼 My TRN01 - Cash transf	er (order) search and details 4/25/20 12:29 Pl	Advanced CBXXKMD0	E	nabled	3		

#### Figure 24 - 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 25 - Welcome screen – Personal menu – My schedules and subscriptions - Filter

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



Upcom	ning 🗸		2022-04-28			Stacked 7 All
1.0						
0.8 -						
0.4 -						
0.0	0 1 2 3 4	6 0	7 8 9 10	11 12 13 14 15	16 17 18 19 20 Suspended ( 0 )	21 22 23
	Q.					
	Name	Request time	Scheduled by		Priority	
	My ANS01 - Overview of AS transfer orders (1)	4/28/2022 6:52 AM	Advanced CBXXKMD0	Scheduled	3	

Figure 26 - Welcome screen – Personal menu – My schedules and subscriptions – Upcoming schedules

Pas	t 🗸								■ :	2022-04-2	27												<b>✓</b> Sta	acked	All
- 1.0 - 0.8 - 0.8 -																									
0.4 - 0.2 - 0.0 -			1	1			-		1	1	1	10	11	12	13	14	15	18	17	18	19	20	21	22	23
		Succeeded	(1)	3			• Failed	(0)	,	0	, I	Cancel		12	13		Terminat		17	10		Purged ( 0 )		22	23
_					Q																				
>	Nar 🛱 My A	ne NS01 - Ove	rview of As	S transfe	er orders	(1)			Reque 4/27/2 6:52 Al		Run by Advanc	/ ed CBXXK	MD0					Sta	itus ceeded						

#### Figure 27 - 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 (



Schedule	~						∑ All
Enabled	2						
Disabled (	0						
0	2	4	6	8	10 12	2 14	
	Q. Name	Modified ^ Type	Scheduled by	Status		Priority	
✓ >	My TRN01 - Cash transfer (order) search and details		Advanced CBXXKMD0	Enabled		3	Run once
$\Box$ >	🕲 My BDY01 - Business Day event/delay information a	4/25/2022 12:35 PM	Advanced CBXXKMD0	Enabled		3	Modify this subscription
							View versions
							Disable this subscription
							Remove this subscription

#### Figure 28 - Welcome screen – Personal menu – My schedules and subscriptions

Enabled: The Status "Enabled" informs the user that the schedule is active.

2022-04-27 ~ Past V Stacked 0.6 0.4 0.0 16 20 15 Succeeded (1) Failed (0) Canceled (0) Terminated (0) Purged (0) Status Name Run by Request time 4/27/2022 6:52 AM My ANS01 - Overview of AS transfer orders (1) > Advanced CBXXKMD0 Succeeded Run once Ð View versions Run details

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 <u>Run a report step-by-step</u> [▶ 92]. Modify this subscription: Change the settings for the scheduled report.



#### Subscribe

My TRN01 - Cash transfer (order) search and details

When do you want to receive this report?

Repeat on	Μ	Т	w	Т	F	S	S				
Time				$\odot$	12:2	28 PM	1				
Format		HTM HTML									
Delivery	Save										
Prompts	٤	3 sch	edule	e proi	mpt v	alue	5 >				
Update	Cancel										

#### Figure 29 - 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

Apr 27, 2022, 6:52:00 AM	0>
Show all history	
Versions Archives	
Versions	

#### Figure 30 - Welcome screen – Personal menu – My schedules and subscriptions – View versions

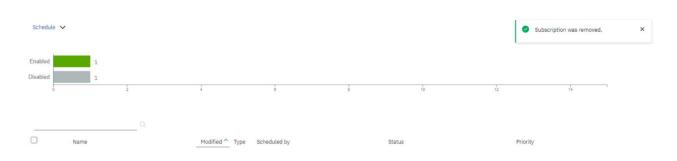
Schedule	~						<ul> <li>Schedule status was edited.</li> </ul>	×
Enabled	1							
Disabled	1							
0	2	4	6	8	10	12	14	
	Name	Modified ^ Type	Scheduled by	St	atus		Priority	
□ >	B My BDY01 - Business Day event/delay information	a 4/25/2022	Advanced CBXXKMD0	Ena	abled		3	
□ >	🕼 My TRN01 - Cash transfer (order) search and deta	ls 4/25/2022	Advanced CBXXKMD0	Dis	abled		3	

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

#### Figure 31 - Welcome screen – Personal menu – My schedules and subscriptions – Disable schedule



#### Remove this subscription: The schedule will be deleted

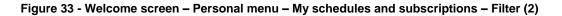


#### Figure 32 - Welcome screen – Personal menu – My schedules and subscriptions – Remove schedule

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

S All

Sch	edule	~								V All
Enab	led	2								
Disab	led	0								
	0	2	4		6	8	10	12	14	
_		Q								
		Name	Modified ^	Туре	Scheduled by		Status		Priority	
	>	My ANSO1 - Overview of AS transfer orders	4/25/2022 2:13 PM	0	Advanced CBXXKMD0		Enabled		3	
	>	🛱 My TRN01 - Cash transfer (order) search and details	4/25/2022 2:14 PM	0	Advanced CBXXKMD0		Enabled		3	



By clicking on " <b>All</b> " (			) button, the user will be presented with further options.							
									Filter	
Schedule									Clear all	
									Subscription type All 🗸	
Enabled	2								Status All 🗸	
Disabled	0									
	2	4		6	1 88	10	12		Priority All	
									Advanced v	
	Q									
	Name	Modified ^	Туре	Scheduled by		Status		Priority	Apply	
•	Ny ANSO1 - Overview of AS transfer orders	4/25/2022 2:13 PM	Ø A	Advanced CBXXKMD0		Enabled		3		
□ >	🛱 My TRN01 - Cash transfer (order) search and details	4/25/2022 2:14 PM	Ø	Advanced CBXXKMD0		Enabled		3		

#### Figure 34 - 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.



Subscriptions All Subscriptions Activities											
Verify the choice by clicking on the " <b>Apply</b> " button ( ).											
Schedule 🗸							Y Applied				
Enabled 2											
Disabled 0			1								
0 2	4	o	8	10	12	14					
Q						$\nabla$ Subscription ty	ype: Subscriptions				
□ Name	Modified ^ Type	Scheduled by		Status	Priority						
My ANSO1 - Overview of AS transfer orders	4/25/2022 (D) 2:13 PM	Advanced CBXXKMD0		Enabled	3						
A Wy TRN01 - Cash transfer (order) search and detail	s 4/25/2022 Q 2:14 PM	Advanced CBXXKMD0		Enabled	3						

Figure 35 - Welcome screen – Personal menu – My schedules and subscriptions - Subscription type

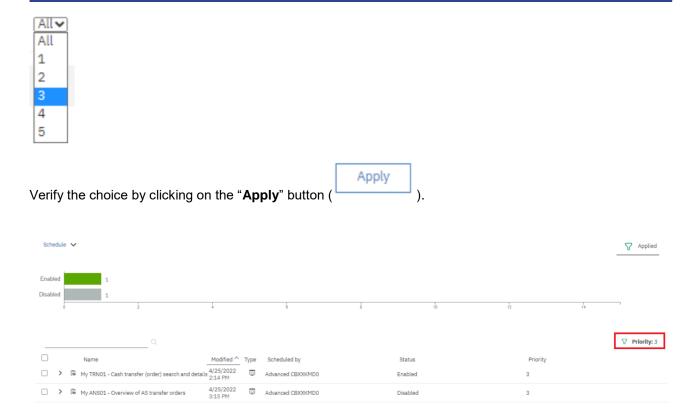
Status: By clicking on the dropdown next to the "**Status**", the user can choose to see either the "**Enabled**" or the "**Disabled**" schedules:

All All Enabled Disabled				
Verify the choice by clicking o	on the " <b>Apply</b> " button (	Apply ).		
Schedule 🗸			∑ Applie	d
Enabled 0				
Disabled 1	4 0	8 10	12 14	
Q			√ Status: Disable	d
Name Name	Modified ^ Type Scheduled by	Status	Priority	
□ >	4/25/2022 Q Advanced CBXXKMD0 3:15 PM	Disabled	3	

#### Figure 36 - 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.





#### Figure 37 - 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.



#### Filter

			Cle	ar all
Subscription ty	pe	All		~
Status		[	All	~
Priority			(	All
Advanced				^
Туре				All >
	Apply	/		

#### Figure 38 - Welcome screen – Personal menu – My schedules and subscriptions – Advanced

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



< Back Type	
Export	0
Import	0
Index update	0
Job	0
Migration	0
Notebook	0
Planning macro	0
Planning task	0
PowerPlay report	0
PowerPlay view	0
Query	0
Query service administration task	0
Report	۲
Report view	0
Workspace	0

Figure 39 - Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule

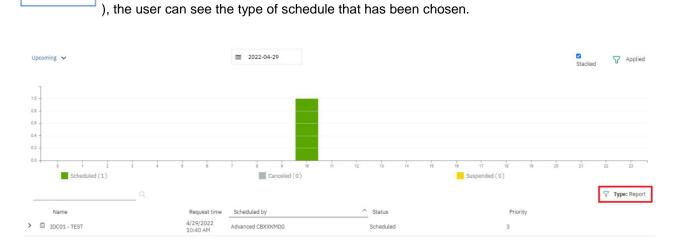


#### Filter

			Cle	ear all
Subscription	type	All		~
Status		7	All	~
Priority			(	All
Advanced				^
Туре			Rep	ort >
	Apply	,		

# Figure 40 - Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule – Report

By clicking on "**Back**" text in the upper left corner (<sup>< Back</sup>) and clicking on the "**Apply**" button (



# Figure 41 - Welcome screen – Personal menu – My schedules and subscriptions – Advanced - All - Type of schedule - Report



#### 3.2.6.4 Log out

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

Advanced CBXXKMD0 Advanced.CBXXKMD0@bundesb Profile and settings									
Log into an additional namespace									
My Inbox									
My schedules and subscriptions									
My Watch Items									
Log my session									
About									
IBM Cognos Analytics Mobile									
Log out									

Figure 42 - Personal menu - Log out

## 3.3 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" (







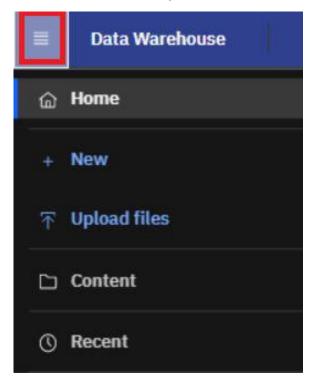
Figure 43 - Welcome page - menu

#### 3.3.1 Data Warehouse logo

By clicking on the "Data Warehouse" logo, you return to the "Welcome" page.

#### 3.3.2 Open Home

The first icon under the "Open Home" icon is the "Home" icon.



#### Figure 44 - Welcome page - Home

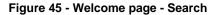
By clicking on this icon it is always possible to return to the "**Welcome**" page (the standard one or the one you have specified – for further information please refer to chapter <u>Access to the DWH</u> [▶ 41]) from everywhere in the DWH GUI.



#### 3.3.3 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.

=	Data Warehouse	٩	ጸ
			×
	Welcome to the Data Warehouse		
	Everything you need to analyze Target Services performance is here.		



#### 3.3.3.1 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.

i Data \	Warehouse		Q, trn	×	¢
S	howing results for 'trn'			Close Save search	B
S	howing 24 items				7
	Name Name	Location	Q Filter by keywords		
	TRN - Transaction Reports	Team content > Predefined Reports	Reset filters		1
	TRN - Transaction Reports	Team content > Predefined Reports SWP2	Туре	Modified	£.
	TRN09 - RTGS Account Holder activity	Team content > Predefined Reports SWP2 > TRN - Transaction	Folders Data	) All	£
	TRN09 - RTGS Account Holder activity	Team content > Predefined Reports > TRN - Transaction Reports	Packages	<ul> <li>Today</li> <li>Yesterday</li> </ul>	£
	TRN01 - Cash transfer (order) search and details	Team content > Predefined Reports SWP2 > TRN - Transaction	Dashboards     Explorations     Notebooks     Stories     Reports     Report Views     Jobs	Past week Past month	E
	TRN08 - Business Activity of a party/parties	Team content > Predefined Reports > TRN - Transaction Reports			1
	TRN01 - Cash transfer (order) search and details	Team content > Predefined Reports > TRN - Transaction Reports		Result limit	÷
	TRN08 - Business Activity of a party/parties	Team content > Predefined Reports SWP2 > TRN - Transaction		1000	÷.
	TRN07 - Cash transfers between two accounts of different parties	Team content > Predefined Reports SWP2 > TRN - Transaction	Shortcuts		÷
	TRN02 - Monthly overview of domestic and cross-border payments	Team content > Predefined Reports > TRN - Transaction Reports	Report	2/9/2022, 4:18 PM	- 1

Figure 46 - Welcome page - filter options

#### 3.3.3.2 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.



Showing results for 'trn'

Showing 24 items

#### Figure 47 - 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.

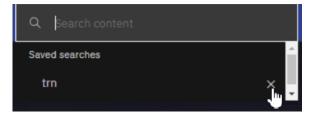


Figure 48 - Welcome page – remove search

#### Example

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

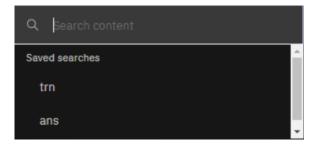


Figure 49 - Welcome page - Search - Saved searches

#### 3.3.4 System information

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

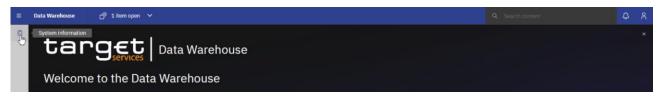


Figure 50 - Welcome page - System information link



dit 🛱 ~	6	⇔ Þ	~ C	
Velcome Page	e l	User Detail	S	
	Velcome Pag	Nelcome Page	Velcome Page User Detail	Velcome Page User Details

#### Figure 51 - 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.

#### 3.3.5 Recent

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



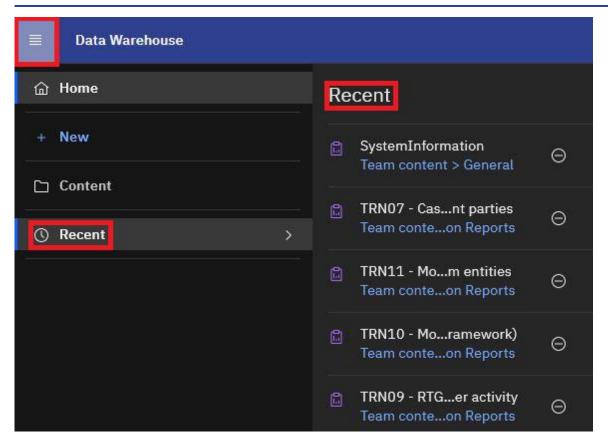


Figure 52 - Welcome page – Recently viewed

#### 3.3.6 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 <u>Creating reports (just advanced users)</u> [▶ 571].



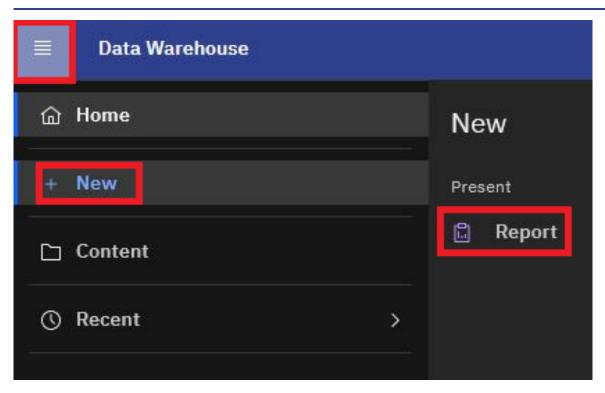


Figure 53 - Welcome page - New

### 3.4 Personal Folders

#### 3.4.1 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 <u>Predefined reports</u> [▶ 151]. 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.



	Data Warehouse
窳	Home
÷.	New
D	Content
0	Recent

# Figure 54 - Welcome page - Team content

You can see the following content within "Team content".

Predefined Reports					© i 주 Nev
My content Team content	-				
Team content / Predefined Reports					
					V 11 C 55
ANS - Ancillary System Rep	BDY - Business Day Reports		BIL - Billing	CON - Contingency Reports	DEX - Data Extraction Reports
Last Accessed 2/18/2021, 9:47 AM	Last Accessed 10/22/2021, 1:40 PM		Last Accessed 2/10/2022, 10:06 AM	Last Accessed 8/5/2021, 1:53 PM	Last Accessed 11/8/2021, 1:59 PM
IDC - Intraday Credit Reports	INV - Invoice Data Reports		MIR - Minimum Reserve Rep	PAR - Participation Reports	STA - Statement Reports
Last Accessed 3/10/2021, 1:48 PM	Last Accessed 8/2/2021, 6:10 PM		Last Accessed 2/14/2022, 11:39 AM	Last Accessed 3/23/2022, 10:27 AM	Lest Accessed 11/5/2021, 10:28 AM
STF - Standing Facilities Rep	TRN - Transaction Reports				
Last Accessed 2/24/2022, 4:53 PM	Last Accessed 3/17/2022, 9:57 AM	0			

# Figure 55 - Welcome page- Team content - folder structure

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



Content				$\overline{\uparrow}$	New	+
My content	Team content					
		⊽ ↑↓	C; (j)	\$ \$		≣
Name		Туре	Las	st Accessed		
🗌 🗅 CB share	ed folders	Folder	4/2	20/2021,8:1	1 AM	:
🗌 🗅 Data Pa	ckages	Folder	11/	/2/2020, 11:	35 AM	:
🗌 🗅 Predefin	ed Reports	Folder	6/2	2/2021,6:18	PM	:
🗌 🗅 Templat	es	Folder	11/	/27/2017,8:	41 PM	

#### Figure 56 - 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).

item selected	More + Create $\checkmark$	Properties ⋧ Details 🛈   Cano
Name	Туре	Last Accessed
🖶 Enterprise Data Warehouse (Model)	Package	4/8/2022, 2:25 PM
		Create report
		Create data module
		Create data set
		Copy to
		Add shortcut
		Properties
		Details

#### Figure 57 - Welcome page - Team content - Data Packages

#### Predefined Reports

In the "Predefined Reports" folder you can find the subfolders containing the predefined reports.



Team content / Predefined Reports

	$\nabla$	î↓	C7	G	ŝ		≔
Name	Туре		L	ast Acc	essed		
🗅 ANS - Ancillary System Reports	Folder		2	/18/202	21, 9:47	AM	:
🗀 BDY - Business Day Reports	Folder		1	0/22/20	)21, 1:4	0 PM	:
🗅 BIL - Billing	Folder		2	/10/202	2, 10:0	6 AM	:
CON - Contingency Reports	Folder		8	/5/2021	.,1:53 F	М	:
🗀 DEX - Data Extraction Reports	Folder		1	1/8/202	21, 1:59	PM	:
🗀 IDC - Intraday Credit Reports	Folder		3	/10/202	21, 1:48	PM	:
🗀 INV - Invoice Data Reports	Folder		8	/2/2021	, 6:10 F	М	:
🗀 MIR - Minimum Reserve Reports	Folder		2	/14/202	2, 11:3	9 AM	:
PAR - Participation Reports	Folder		3	/23/202	22, 10:2	7 AM	:
🗅 STA - Statement Reports	Folder		1	1/5/202	21,10:2	8 AM	:
STF - Standing Facilities Reports	Folder		2	/24/202	2, 4:53	PM	:
TRN - Transaction Reports	Folder		3	/17/202	2, 9:57	AM	:

#### Figure 58 - 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".

Team c	ontent / Predefined Reports / ANS - Ancillary System Reports							
		$\nabla$	î↓	[7	G	¢9		≔
	Name	Туре		L	ast Acc	essed		
	ANS01 - Overview of AS transfer orders	Report		2	/9/2022	2, 11:44	AM	:
	🗟 ANS02 - Daily average of AS transfers	Report		4	/22/202	22, 9:23	AM	:

#### Figure 59 - Welcome page - Team content - Predefined Reports - ANS - Ancillary System Reports

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

#### 3.4.2 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.



Content						$\overline{\uparrow}$	New	+
My content	Team content							
		$\nabla$	î↓	C7	G	\$		≔
Name		Туре		L	ast Acc	essed		
🗌 🔂 ANS01 -	Overview of AS transfer orders	Report		5	5/27/20	21,10:0	)5 AM	:
🗌 🔂 IDC01 -	TEST	Report		4	1/29/20	22,10:4	10 AM	
🗌 💼 Party_Ca	shACC_List	Report		1	.0/21/2	021, 5:0	)4 PM	:
🗌 🔂 Party_Li	st	Report		1	.0/21/2	021, 2:5	58 PM	:
🗌 🔒 Report v	iew of ANS02 - Daily average of AS transfers	Report Vi	ew	9	9/30/20	21, 12:5	58 PM	÷

#### Figure 60 - Welcome page – My content

# 3.4.3 Add a new folder

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

My content Team content			
	⊽ 1↓	다. 다. @ #	≔
Name Name	Туре	dd folder	
🗌 💼 ANS01 - Overview of AS transfer orders	Report	da folder 21/2021, 10:05 AM	:
🔲 💼 IDC01 - TEST	Report	4/29/2022, 10:40 AM	
Party_CashACC_List	Report	10/21/2021, 5:04 PM	:
Party_List	Report	10/21/2021, 2:58 PM	:
Report view of ANS02 - Daily average of AS transfers	Report View	9/30/2021, 12:58 PM	:

#### Figure 61 - 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.

			7	î↓	C7	G	Ø		:=
Name		Ту	уре		La	ast Acce	ssed		
🔒 ANS01 - Overview of AS tra	nsfer orders	Re	eport		5/	27/2023	1, 10:0	5 AM	:
🔒 IDC01 - TEST		Re	eport		4/	29/202	2,10:40	MA C	:
Party_CashACC_List		Re	eport		10	)/21/20:	21, 5:04	1 PM	:
🛱 Party_List	Add a folder		×		10	)/21/20:	21, 2:58	3 PM	:
🔋 Report view of ANS02 - Dai	Add a loldel			iew				B PM	:
	Folder name								
	My first folder								
	Cancel	Add							

Figure 62 - Welcome page – My content – New Folder (1)



Press "Enter" and the new folder is created.

		₽ 1	[7	G	Ø	88	Ξ
Name		Туре	L	ast Acc	essed		
🗌 🗋 My first fol	der	Folder	5	/2/2022	, 11:11	AM	:
🗌 💼 ANS01 - O	verview of AS transfer orders	Report	5	/27/202	1, 10:05	5 AM	1
🗌 💼 IDC01 - TE	ST	Report	4	/29/202	2, 10:40	MA C	:
Party_Cash	ACC_List	Report	1	0/21/20	21, 5:04	4 PM	:
Party_List		Report	1	0/21/20	21, 2:58	3 PM	8
📄 🔋 Report view	v of ANS02 - Daily average of AS transfers	Report View	9	/30/202	1, 12:58	B PM	÷

#### Figure 63 - Welcome page – My content– New Folder (2)

# 3.4.4 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.

Name Turce Last Account	
AM In the section of	
D BDY - Business Day Reports 0 PM	:
D BL - Billing Sort by Order 6 AM	:
CON - Contingency Reports	:
DEX - Data Extraction Reports	:
Descending PM	:
Type M	:
MIR - Minimum Reserve Reports Folder 2/14/2022, 11:39 AM	:
PAR - Participation Reports     Folder     3/23/2022, 10:27 AM	:
🗋 🗅 STA - Statement Reports Folder 11/5/2021, 10:28 AM	:
🗋 🗅 STF - Standing Facilities Reports Folder 2/24/2022, 4:53 PM	:
🗌 🗅 TRN - Transaction Reports Folder 3/17/2022, 9:57 AM	:

#### Figure 64 - Welcome page - My content - sort in ascending order

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



	Y		ĝi 88	≔
Name	T	1 A	J	
TRN - Transaction Reports	Reset sort		AM	:
STF - Standing Facilities Reports			PM	
STA - Statement Reports	Sort by	Order	8 AM	:
PAR - Participation Reports	Name	Ascending	7 AM	:
🗌 🗅 MIR - Minimum Reserve Reports	0	0	9 AM	:
🗌 🗅 INV - Invoice Data Reports	() Modified	Descending	PM	:
🔲 🗅 IDC - Intraday Credit Reports	O Type	) Туре		
DEX - Data Extraction Reports	Folder	11/8/2021,	1:59 PM	:
CON - Contingency Reports	Folder	8/5/2021, 1	53 PM	:
🗌 🗀 BIL - Billing	Folder	Folder 2/10/2022, 10:		
🗌 🗅 BDY - Business Day Reports	Folder	10/22/2021	, 1:40 PM	:
ANS - Ancillary System Reports	Folder	2/18/2021,	9:47 AM	:

Figure 65 - Welcome page – My content – sort in descending order

# 3.4.5 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.

		7	î↓ C.	G	ŝ	88	i
Name	т			1 4 -	essed		
<ul> <li>ANS - Ancillary System Reports</li> <li>BDY - Business Day Reports</li> </ul>	Q Filter by keywords				21, 9:47 )21, 1:40		:
<ul> <li>BDY - Business Day Reports</li> <li>BIL - Billing</li> <li>CON - Contingency Reports</li> <li>DEX - Data Extraction Reports</li> <li>IDC - Intraday Credit Reports</li> <li>INV - Invoice Data Reports</li> <li>MIR - Minimum Reserve Reports</li> <li>PAR - Participation Reports</li> <li>STA - Statement Reports</li> <li>STF - Standing Facilities Reports</li> <li>TRN - Transaction Reports</li> </ul>	Reset filters  Type  Folders  Data Packages Dashboards Explorations Notebooks Stories Reports Report Views Jobs Shortcuts	0000	fied All Today Yesterday Past wee Past mon	k	)21, 1:4( 22, 10:0( ., 1:53 P 21, 1:59 21, 1:48 ., 6:10 P 22, 11:3( 22, 10:2) 21, 10:2( 22, 4:53 22, 9:57	6 AM PM PM 9 AM 7 AM 8 AM PM	
	Other						

Figure 66 - 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:



First steps & basics Personal Folders

		2 ×	ଟ ୀ ଜ ତ	© #	Ξ
Name				essed	
ANS	- Ancillary System Reports	Q ST	×	21, 9:47 AM	
	- Statement Reports			21, 10:28 AM	
	- Standing Facilities Reports	Reset filters		2, 4:53 PM	
		Type Folders Data Packages Dashboards Explorations Notebooks Stories Reports Report Views Jobs Shortcuts Other	Modified All Today Yesterday Past week Past month		

Figure 67 - 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 <u>Creating a report view</u> [▶ 82]) 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.

tar	Data War	rehou	56	Welcom	e `	/	
	Home	<b>D</b> D	Team content > Predefined Reports > STF - Standing Facilities Reports		O	Ŧ	↑↓
O, s	Search		STF01 - Standing Facility information 1/25/2021 4:40 PM				
s	System information						
	My content						
	Feam content						
<b>8</b>	Recent						

#### Figure 68 - 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**".



targ <u>et</u>   Data W	vrehouse W	/elcome ∨	
👌 Home	Team content > Predefined Reports > STF - Standing Facilities Reports	ΦΥ	r↓
O Search	STF01 - Standing Facility information 1/25/2021 4:40 PM		
System information			Run as
My content			Create report view
2 My content			I: View versions
Team content			∝% Share
Recent			🖻 Copy Հ <sup>ի</sup> ոյ
			Create shortcut
			Der Properties

Figure 69 - 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.

Copy or move: STF01 - Standing Facility information

×

Select a destination

	My content	0
	There's nothing in this folder.	
Destination:	My content	



# Figure 70 - 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.



ta	target Data Warehouse										
☆	Home		Team content > CB shared folders	Ŧ	î↓						
0	Search		CB - KM shared folder 1/12/2021 2:16 PM								
	System information		Central Banks shared folder 1/25/2021 2:37 PM								
۵	My content										
<b>5</b> 0	Team content										
۲	Recent										

#### Figure 71 - Team content – CB Shared folders

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

target Data Warehouse										
🚹 Home		My content	0	Ŧ	↑↓					
O Search		STF01 - Standing Facility information 1/25/2021 4:40 PM	on							
System information										
My content										
Team content										
Recent										

Figure 72 - 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 ( $\square$ ) changes to indicate that the link is broken and is no longer operable. In order to schedule the run of a report (see chapter <u>Scheduling reports</u> [ $\triangleright$  113]), 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.

targ <u>€t</u>   Data Wa	rehouse	Welcome 🗸
A Home	Team content > Predefined Reports > STF - Standing Facilities Reports	<b>⊖ ▼</b> ↑↓
O Search	STF01 - Standing Facility information 1/25/2021 4:40 PM	
System information		
My content		
Team content		
Recent		

#### Figure 73 - 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".

ta	ng <u>et</u> i	Data Warehou	ise	Welcome 🗸							
☆	Home	Ē	Team content > Predefined Reports > STF - Standing Facilities Reports		0	Ŧ	î↓				
0,	Search	1	STF01 - Standing Facility information 1/25/2021 4:40 PM						Run as		
	System informa	ation						-		eport view	ß
	My content							Ŀ V	/iew ver	rsions	-{h
Ē	Team content							~ 5	Share		
8	Recent							ē (	Сору		
								5	Create s	hortcut	
								‡ F	Properti	es	

Figure 74 - 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".

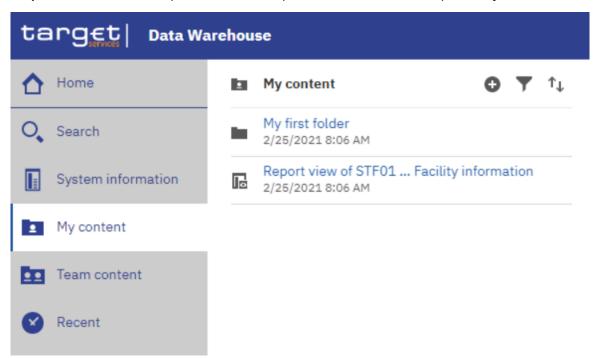


Figure 75 - My content - report view

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



2	My content	0	Ŧ	î↓	
	My first folder 2/25/2021 8:06 AM				
Ŀ	Report view of STF01 Facility inf 2/25/2021 8:06 AM	orma	tion	••	Run as
					View versions
					≪° Share
					🖻 Copy or move
					د Create shortcut
					<u> Delete</u>
					🐲 Properties 🖑

# Figure 76 - 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.



Working with reports Copy, save and export

My content	<b>O Y</b> 1.	Report view of S	ST Fac information
My first folder 7/13/2020 12:29 PM		General Report Sch	edule Permissions
Report view of STF01 - 9 7/14/2020 1:20 PM	St Facility information	Description	
		Advanced	^
		Disable this entry	
		Location	My content
		Search path	CAMID("CognosUsers:u:cn=adv
		ID	iC0D8C9568A674FC5A7CF7DC4C38A3ED5
		Permission	Full 🚯
		Languages	Set
		Source report	Set
		Team content > Pre	defined Reports > Standing Facility information

# Figure 77 - 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:



Working with reports Copy, save and export

2	My content • • •	î↓	Re Re	eport view o	f ST Fac information
	My first folder 2/25/2021 1:03 PM		O Owr	ner	Created: 4/16/2021, 9:31 AM
]	IDC01 - Daily Intraday credit (I indicators 12/2/2020 7:59 AM			6183	Modified: 4/16/2021, 9:31 AM Type: Report View
]	On-demand toolbar 4/15/2021 1:35 PM		General	Report S	chedule Permissions
1	Report view of STF01 Facility information 4/16/2021 9:31 AM		Description	n	
			Advance	d	^
			Disable thi	is entry	C
			Location		My conter
			Search pat	th	CAMID("CognosUsers:u:cn=wg
			ID	i59B6023	C730B48E7B158CCD347E5BE5
			Permissior	n	Full
			Languages	3	Set
			Source rep	oort	Set
					Unavailabl

#### Figure 78 - 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 <u>Personal menu</u> [▶ 46].

# 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 <u>Running</u> reports [▶ 92]) in DWH for future uses by creating a report view first.

**Step 1:** Create a report view as described in chapter <u>Creating a report view</u> [▶ 82].



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 [> 92].

#### Step 5: Select "View versions".

target   Data Wa	rehou	ISC		
A Home		My content 💿 🔻	↑↓	,
O Search	Ŀ	Report view of STF01 Facility information 2/25/2021 8:06 AM		
System information				View versions
My content				رالے & Share
Team content				🖻 Copy or move
Recent				Create shortcut
				前 Delete
				➡ Properties

#### Figure 79 - 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.

	My content	0	Ŧ	↑↓	Versio	ions	
ß	Report view of STF01 - St Facility i 7/14/2020 4:14 PM	nform	ation		Version	ns Archives	
					Show a	all history	
					🚺 Jul	ul 14, 2020, 4:37:19 PM	•>

#### Figure 80 - My content - report view - View versions - Versions

Step 7: Click on the version.



Versions	
Versions Archives	
Show all history	
Jul 14, 2020, 4:3719 PM	•>
Delete report version	
EN-US	

#### Figure 81 - 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 (

# 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.



Working with reports Copy, save and export

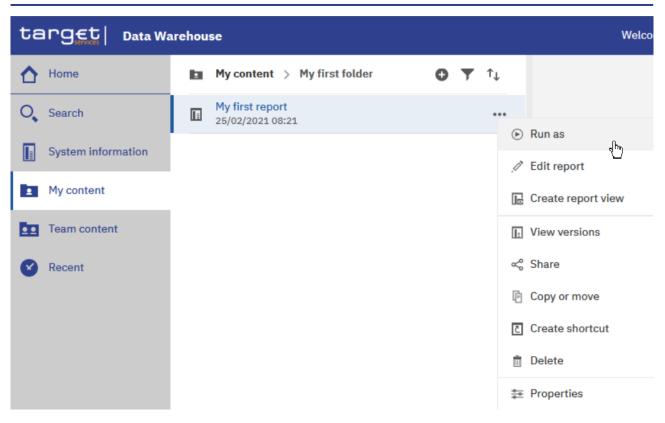


Figure 82 - Welcome page - My content - Properties

Step 3: Select the desired format.

Step 4: Enter the selection criteria of the report (see chapter Run a report step-by-step [ 92]).

Step 5: Click on the "Run" button (	0	)



**Step 6**: After clicking on the "**Run**" button (**b**) a pop-up window appears to save the report. You can download a report in csv, excel, 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.



Working with reports

Copy, save and export

targ <u>et</u>   Data Wa	irehouse	Welcome 🗸
Home	■ My content > My first folder • $\P$ $\uparrow_{\downarrow}$	Run as
O Search	My first report 2/25/2021 1:02 PM	Run in background
System information	My first report daily 4/15/2021 2:24 PM	O Excel
My content		○ Excel Data
Team content		O PDF
Recent		⊖ HTML
		⊖ csv
		SXML
		✓ Prompt me
		1
+ New		Run

# Figure 83 - Welcome page - My content - Run as XML

A pop up window appears to save the report:



🌀 Save As				X
GG 🌬 - 🖷	▼ Downloads	▼ 42	Search Downloads	2
Organize 👻 New f	older			:= • 🕡
🔆 Favorites	Name ^	Date modified	Туре	Size
💻 Desktop ᠾ Downloads	My first report	14/07/2020 17:04	XML Document	1 KB
Libraries				
🎳 Music 📄 Pictures				
Videos				
🖳 Computer				
🙀 Network	-			
File name:	My first report daily			
	XML Document			<u> </u>
Save as type.	Xivit Document			<u> </u>
Hide Folders			Save	Cancel

#### Figure 84 - 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.



target   Data Wa	arehouse	Welcome 🗸
A Home	Team content > Predefined Reports > STF - Standing Facilities Reports	Ο Υ ήμ
O, Search	STF01 - Standing Facility information 25/01/2021 16:40	
System information		
My content		
Team content		
Recent		

#### Figure 85 - Team content – Predefined Reports – STF – Standing Facilities Reports

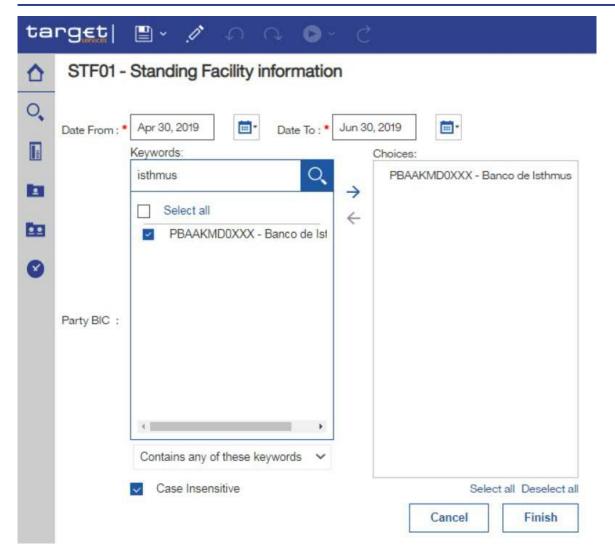
**Step 2:** Select the report you want to run. In order to run the report you can click on the report name. This action will run the report in the default DWH format, which is html.

target   Data W	Welcom	e 🗸		
A Home	Team content > Predefined Reports > STF - Standing Facilities Reports	0	Ŧ	↑↓
O Search	STF01 - Standing Facility information       25/01/2021 16:40			
System information				
My content				
Team content				
Recent				

#### Figure 86 - 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.





#### Figure 87 - 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 (

Please note, that when choosing 'XML', 'Excel data' or 'CSV' as format for reports having more than one list/page as report output, only the first is exported in the chosen format. Furthermore, header and footer areas including prompt/filter information are not exported to XML, and CSV formats.

CSV issue affects all reports with multiple tables as it is a limitation of COGNOS.

All other formats are uniform.

Reports with CSV limitations:



BDY01
BIL01
BIL02
BIL03
CON01
IDC01
IDC02
IDC03
IDC04
IDC06
MIR01
PAR02
PAR03
STF01
TRN01 - Details screen
TRN04
TRN05
TRN07
TRN08



TRN09			
TRN10			
TRN11			

ta						
☆	Home	Ē0	Team content > Predefined Reports > STF - Standing Facilities Reports	C	▼	↑↓
0,	Search		STF01 - Standing Facility information 25/01/2021 16:40			1
	System information					
	My content					
Ē	Team content					
8	Recent					

Figure 88 - Team content – Predefined Reports – STF – Standing Facilities Reports

Select "Run as" from the list.

ta		rehou	se	Welcon	ne 🗸			
≏	Home	Ē	Team content > Predefined Reports > STF - Standing Facilities Reports	0	T	î↓		
0,	Search		STF01 - Standing Facility information 25/01/2021 16:40			•••		
	System information						✓ Hair as ✓	
	My content						🕞 Create report view	
<b>E</b>	Team content						View versions	
8	Recent						🖧 Share	
							🖻 Сору	
							Create shortcut	
							😁 Properties	

Figure 89 - 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.

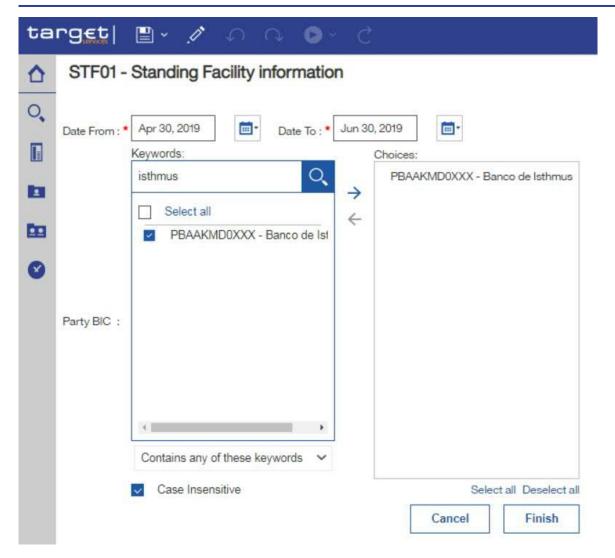


<b>5</b> 0	Team content > Predefined Reports > STF - Standing Facilities Reports       ● ▼ ↑↓	Run as
	STF01 - Standing Facility information 7/10/2020 2:12 PM	Run in background
		○ Excel
		O Excel Data
		PDF
		⊖ html
		⊖ csv
		○ XML
		Prompt me
		Run

Figure 90 - 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 91 - Standing Facilities Reports – STF01 Standing Facility information - prompt page

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



rg≝t  ⊙ ~ C		STF01 - Stan	ding Facility info	ormation $\checkmark$			< 🗅 🚨
						2021-04-27	
	target   str	01 - Sta	nding Fa	cility info	rmation	14:42:53 DEV - Development	
	CBXXKMD0XXX - Central Bank of F	iction				and integration	
	Filters Date From : 2019-04-30						
	Party BIC : PBAAKMD0X00 Marginal Lending	C - Banco de Ist	hmus				
			ntral Bank of Ficti R	ion			
		Use of marg	inal lending				
	BIC PBAAKMD0XXX Party Name Banco de Isthmus	Date	Capital set-up	Capital refund	Interests		
	MFI Code 10002	30.04.2019	2,341,231.05	6,346,801.54	-1,602.54		
	Account BIC PBAAKMC001X	07.05.2019	19,230.48	0.00	0.00		
		14.05.2019	19,230.48	0.00	0.00		
		21.05.2019	19,230.48	0.00	0.00		
		28.05.2019	19,230.48	0.00	0.00		
		30.05.2019	2,862,000.71	7,822,801.91	-1,602.54		
		04.06.2019	19,230.50	0.00	0.00		
		18.06.2019	19,230.50	0.00	0.00		
		25.06.2019	19,230.50	0.00	0.00		
		30.06.2019	3,402,000.85	9,298,802.27	-1,602.54		
		Total		23,468,405.72	-4,807.62		
	Total all Parties		9.076.53 23.4		-4.807.62		

Figure 92 - 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".

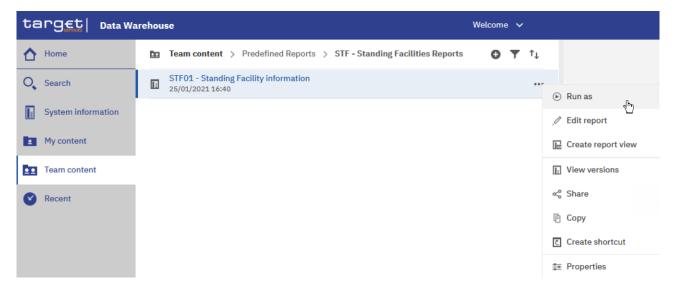


Figure 93 - Team content – Predefined Reports – STF – Standing Facilities Reports – STF01 Standing Facility information – Run as

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



ta

<u>↑</u> 0,

+

ng∉t∣ Data Wa	arehou	se	Welcom	e 🗸			
Home		Team content > Predefined Reports > STF - Standing Facilities Reports	0	Ŧ	↑↓	Run as	
Search		STF01 - Standing Facility information 25/01/2021 16:40				Run in background	(
System information						⊖ Excel	
My content						◯ Excel Data	
Team content						○ PDF	
Recent						HTML	
						1	
						✓ Prompt me	
New							Run

# Figure 94 - Team content – Predefined Reports – STF – Standing Facilities Reports – STF01 Standing Facility information – Run as – Run in background

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:



Run as	
Run in background	)
Excel	
Excel Data	
PDF	
HTML	
CSV	
☐ XML	
✓ Prompt me	
You will be prompted for input before the report runs in background.	
Advanced	ŀ.,
● Now ○ Later	
Languages >	,
Delivery >	,
Run	

Figure 95 - 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.

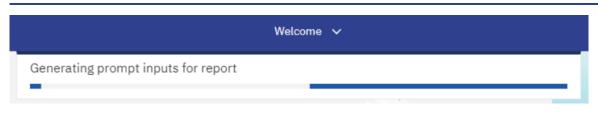
#### Advanced

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.





# Figure 96 - Run as – Run in background - Advanced

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

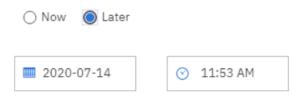


Figure 97 - Run as - Run in background - Advanced - Execution time - Later

# 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 <u>Scheduling reports</u> [ $\triangleright$  113] 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



ta	ng€t  Data Wa	rehou	se	Welcom	e 🗸	6
☆	Home	Ē	Team content > Predefined Reports > STF - Standing Facilities Reports	0	Ŧ	↑↓
0,	Search	Π	STF01 - Standing Facility information 25/01/2021 16:40			
	System information					
	My content					
Ē	Team content					
Ø	Recent					

Figure 98 - Team content – Predefined Reports – STF – Standing Facilities Reports

Step 2: Click on the "N	<b>More</b> " icon ( **** ) at the right of the report and select " <b>R</b>	● Run as un as"
targ <u>€t</u>   Data Wa	Welcome 🗸	
A Home	←	<b>Ð y</b> t <sub>u</sub>
O Search	STF01 - Standing Facility information 3/23/2021 3:39 PM	€ Run as
System information		,∥ Edit report
My content		Create report view
•• Team content		View versions
Recent		∝₀ Share
		🖻 Сору
		Create shortcut
		not properties

Figure 99 - Team content – Predefined Reports – STF – Standing Facilities Reports – Run as

Step 3: Select "Run in background"



Run as
Run in background
Excel
Excel Data
DF PDF
✓ HTML
CSV
□ XML
✓ Prompt me
You will be prompted for input before the report runs in background.
Advanced 🗸
Run

Figure 100 - 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

Advanced						
Now 🔿 Later						
Languages	>					
Delivery	>					

Figure 101 - 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'



< Back	Delivery	
Send report by em	ail	
Print report		
Send report to mol	bile device	
Save report as an e	external file	~
Name	STF01 - Star	nding Facility
Location	Expo	rt-Reports 🗸
✓ Conflict resolution	'n	
		Done

Figure 102 - 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 [> 80].

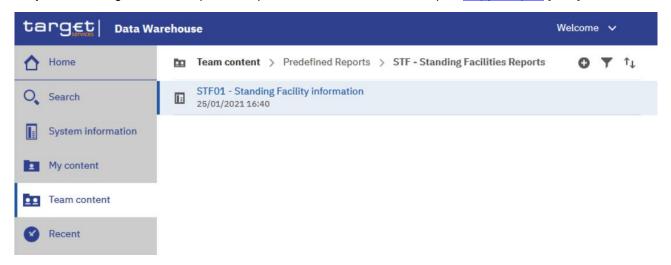


Figure 103 - Team content - Predefined Reports - Standing Facilities Reports - STF01 Standing Facility information

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



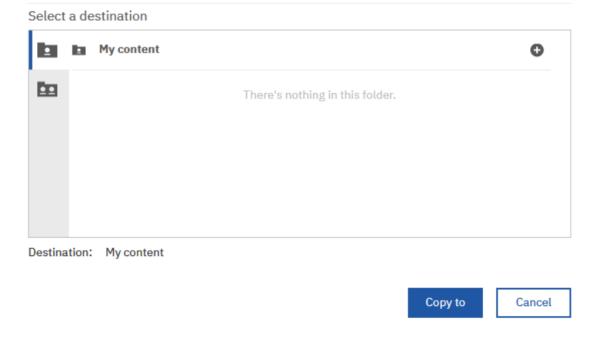
target Data W	arehouse	Welcome 🗸						
A Home	Team content > Predefined Reports > STF - Standing Facilities Reports	0 7	¢↑					
O Search	STF01 - Standing Facility information 25/01/2021 16:40							
System information								
2 My content			Create report view					
Team content			I: View versions					
Recent			≪° Share					
			🖻 Сору ( <sup>М</sup> )					
			Create shortcut					

Figure 104 - 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**".

# Copy or move: STF01 - Standing Facility information

×



## Figure 105 - 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".



tanget   Data Warehouse						
A Home	My content	<b>O Y</b> ↑ <sub>↓</sub>				
O Search	My first folder 20/04/2021 12:39					
System information	STF01 - Standing Facility information 28/04/2021 09:17					
My content						
Team content						
Recent						

#### Figure 106 - 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**".

tanget Data Warehouse Welcome v									
☆	Home		My content	0	▼	î↓			
0	Search		My first folder 24/02/2021 11:55						
	System information		STF01 - Standing Facility information 25/01/2021 16:40			••	⊳	Run as	
1	My content						ļ,	Edit report	- The The The The The The The The The The
	Team content						Ŀ	Create report view	
0	Recent						Ŀ	View versions	
							Ś	Share	
							Þ	Copy or move	
							5	Create shortcut	
							Ō	Delete	
							<b>₽</b> <b>₽</b>	Properties	

# Figure 107 - My content - STF01 Standing Facility information - Run as

**Step 6:** Perform the same action as explained in chapter <u>Run a report step-by-step</u> [▶ 92] for "**Run in background**".

Check the "Run in background" button:



Run as	
Run in background	D
Excel	
Excel Data	
PDF	
HTML	
□ csv	
□ XML	
Prompt me	
You will be prompted for input before the report runs in background.	
Advanced	~

#### Figure 108 - 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.

Run as	
Run in background	0
V Excel	
Excel Data	
DPDF	
CSV	
□ XML	
✓ Prompt me	
You will be prompted for input before the report runs in background.	
Advanced	~

#### Figure 109 - 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.



Advanced	^
Now      Later	
Languages	>
Delivery	>
Classic view	

#### Figure 110 - 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".

target	Data Ware	ehous	e	Welcome 🗸						۵	<b>.</b> ?
🚹 Home		Ē0	Team content > Predefined Reports > STF - Standing Facilities Reports		0 7	î.	< Back	Delivery		/elcome	
O Search			STF01 - Standing Facility information 23/03/2021 15:39				Send report by email				
System in	formation										
My conter	nt						Print report				-
Team con	tent						Send report to mobile	device			
Recent							Save report as an exte	ernal file	~		
							Name	STF01 - Standing Facili	ity infc	andte"	
							Location	Export-Repo	rts -		
							✓ Conflict resolution				
								Do	ne		
New											
+ New											

#### Figure 111 - 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.



< Back	Delivery	
Send report by ema	il	
Print report		
Send report to mob	ile device	
Save report as an ex	kternal file	~
Name	STF01 - Standing	g Facility infc
Location	Export	-Reports -
✓ Conflict resolution	1	
		Done

## Figure 112 - 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:

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



← Save report as an external file	
Name	
STF01 - Standing Facility	
	Reset name
Location	
Export-Reports	~
Conflict resolution	
○ Keep existing files	
O Replace existing files	
Make the file names unique and append a timestamp	
Make the file names unique and append a sequence number	

Figure 113 - 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.



Run as	
Run in background	
✓ Excel	
Excel Data	
PDF	
CSV	
□ XML	
Prompt me	
You will be prompted for input befor background.	re the report runs in
Advanced	^
Now      Later	
Languages	>
Delivery	>
Classic view	
	Run

Figure 114 - My content - STF01 Standing Facility information - Run in background - Advanced Delivery – Run the report

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



## STF01 - Standing Facility information

Date From : *	Jan 1, 2019	💼 * Date To : *	Dec 31, 2	2019	<b></b>	
	Keywords:		С	hoices:		
	isthmus	0,	$\rightarrow$	PBAA	KMD0XXX - B	anco de Isthmus
	Select all		<			
	PBAAKMD0X	XX - Banco de Ist				
Party BIC :						
rary bio .						
	4	Þ				
	Contains any of the	se keywords 🗸 🗸				
	<ul> <li>Case Insensitive</li> </ul>	1			Sele	ect all Deselect all
					Cancel	Finish

Figure 115 - My content - STF01 Standing Facility information - Run in background - Advanced Delivery – Enter search criteria



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/CSD users, under the shared folder of your CB/CSD, you have to choose the report you want to schedule and create a report view of this report (see chapter <u>Saving a</u> <u>report output</u> [▶ 87]).

#### 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".

target Data Warehouse Welcome							
A Home	■ My content O Y 1	,†					
O Search	My first folder 24/02/2021 11:55						
System information	STF01 - Standing Facility information 25/01/2021 16:40	<ul> <li></li></ul>					
My content		.∥ Edit report					
Team content		Create report view					
Recent		I: View versions					
		≪° Share					
		Copy or move					
		Create shortcut					
		🗇 Delete					
		÷ Properties √h					

#### Figure 116 - My content - report view - Properties

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



Working with reports

Scheduling reports

targ <u>et</u>   Data W	arehouse	Welcome 🗸
🚹 Home	My content	• T T STF01 - Standing Facility information
O Search	My first folder 24/02/2021 11:55	Owner Created: 25/01/2021, 16:40 Modified: 25/01/2021, 16:40
System information	STF01 - Standing Facility information 25/01/2021 16:40	Wg06183 Modified: 25/01/2021, 16:40 Type: Report
My content		General Report Schedule Permissions
Team content		Description
Recent		
		Advanced
		I

Figure 117 - My content - report view - Properties - General - description of your report

-	edule" tab you will find the "I /arehouse	New" icon ().
A Home	My content	• T T STF01 - Standing Facility information
O, Search	My first folder 24/02/2021 11:55	Owner Created: 25/01/2021, 16:40
System information	STF01 - Standing Facility informati	tion Wile Wg06183 Modified: 25/01/2021, 16:40 Type: Report
My content		General Report Schedule Permissions
Team content		⊕ Ne
Recent		
		00

There is no schedule for this report

Figure 118 - Welcome page - My content - report view - Properties - Schedule

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

(+) New



targ€t  Data W	arehou	ise	Welcome 🗸		
A Home	ы	My content	<b>0 y</b> † <sub>1</sub>	< Back	Create schedule
O Search	-	My first folder 24/02/2021 11:55		Schedule	Weekly -
System information		STF01 - Standing Facility information 25/01/2021 16:40		Period	
My content				Start	m 2021-02-25 📀 12:59
•• Team content				End	2021-05-25 📀 12:59
Recent					No end date
				Run every	1 week(s)
				ll On day(s)	M T W T F S S
				Daily time interv	val
				Options	
				Format	HTML >
				Delivery	Save >
	-			Prompts	Set values >
+ New					

#### Figure 119 - 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.



Working with reports Scheduling reports

ang <u>et</u>   Data Wa	arehouse			Welcome 🗸
A Home	My content > My first folder	<b>O Y</b> 1 <sub>1</sub>	< Back	Create schedule
Search	My first report 25/02/2021 13:02		Schedule	Daily
System information	My first report daily 25/02/2021 13:03		Period	
My content				2021-02-25 💽 13:00
Team content			Start	
Recent			End	2021-05-25 📀 13:00
Recein				No end date
			Every	1 Day(s)
			Daily time interv	val
			Options	
			Format	🔓 НТМL
			Delivery	Save
			Prompts	Set values
			Languages	English (United States)
			PDF	Select
			Classic View	
				Create Cancel
New				

#### Figure 120 - 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 <u>Run a report step-by-step</u> [▶ 92].

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 <u>Delivery - Save report (U2A)</u> [▶ 102].

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.



Current values	Set	Clear

#### Figure 121 - Welcome page - My content - Report view - Properties - Create schedule - Current values

#### TRN01 - Cash transfer (order) search and details

Please select	the group of criteria you wish to pe	erform your search : *	by Transaction Reference	~	Reprompt
Se	elect by Transaction Reference				
	Keywords:				
	Input keywords here	0			
	No Results				
Reference : *					
	Starts with any of these keywor	ds 🗸			
	<ul> <li>Case Insensitive</li> </ul>				
	Cancel Fini	sh			

#### Figure 122 - 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.



Languages
English (Ireland)
English (Malta)
English (New Zealand)
English (Philippines)
English (Singapore)
English (South Africa)
English (U.S. Virgin Islands)
English (United Kingdom)
<ul> <li>English (United States)</li> </ul>
English (Zimbabwe)
Estonian
Estonian (Estonia)
Faroese
Faroese (Faroe Islands)
Finnish
Finnish (Finland)

#### Figure 123 - Welcome page - My content - Report view - Properties - Create schedule - Languages

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



#### **PDF options**

Orientation	Default	~
Paper size	Defaul	t 🗸
Requires a password to open the repo Password:	ort	
Confirm Password:		
Requires a password to access optior Password:	ns	
Confirm Password:		

#### Figure 124 - 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.



	My content > My first folder	0	Ŧ	$\uparrow_{\downarrow}$		< Back	Create schedule		
	My first report 25/02/2021 13:02					Schedule		Daily	•
Ŀ	My first report daily 25/02/2021 13:03					Period			
						Start	2021-02-25	⊙ 13:00	
						Every	1	Day(s)	•
					I	Daily time interval			
						Options			
						Format	Ð	HTML	>
						Delivery		Save	>
						Prompts		Set values	>
						Languages	English (Uni	ted States)	>

#### Figure 125 - 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 <u>Delivery - Save report (U2A)</u> [> 102].

**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**".



Create schedule	2	
	Daily	•
2021-02-25	<b>⊙</b> 13:00	
No end date		
1	Day(s)	•
ıt		
æ	HTML	>
	Save	>
	Set values	Ś
	■ 2021-02-25 ✓ No end date 1 d	■ 2021-02-25 ③ 13:00 No end date 1 Day(s) HTML Save

### Figure 126 - 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 (<sup>Set</sup>).



< Back	Create schedule	2			Curre	nt values	5	Set Clear	
Schedule		Daily	•	-					
Period									
Start	■ 2021-02-25	⊙ 13:00							
Every	1	Day(s)	•						
Daily time interval									
Options									
Format	æ	HTML	>						
Delivery		Save	>						
Prompts		Set values	>						

#### Figure 127 - 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.



< Back	Create schedule	
Schedule	Daily	~
Period		
Start	■ 2021-02-25 ③ 13:00	
	✓ No end date	
Every	1 (Day(s)	~
Daily time interval		
Options		
Format	HTML	>
Delivery	Save	>
Prompts	Set values	>
Languages	English (United Kingdom)	>
PDF	Select	
Classic View		
	Create Cancel	

Figure 128 - Welcome page - My content - Properties -- Schedule



target   Data Wa	arehouse		Welcome 🗸	
A Home	My content > My first f	<ul> <li>Your schedule was successful</li> </ul>	ly created.	×
O Search	My first report 25/02/2021 13:02		Owner Created: 25/02/2021, 13:03 Modified: 25/02/2021, 13:03	
System information	My first report daily 25/02/2021 13:03		O         Modified:         25/02/2021, 13:03           wg06183         Type:         Report View	
My content			General Report Schedule Permissions	
Team content			Enable 🛅 Dele	ete
Recent			Daily - Daily at 1:00 PM	>

#### Figure 129 - 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".



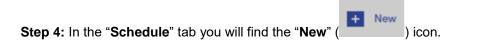
target Data Warehouse Wel							
Home	2	My content 🕒 🍸	↑↓				
O Search	Ŀ	My Report view of STF Facility information 18/02/2021 15:11	•		Dup en		
System information				€	Run as		
				:	View versions		
My content				Š	Share	ì	
<b>E</b> Team content				ŀ	Copy or move		
Recent				5	Create shortcut		
-				Ē	Delete		
				-0	Properties		

#### Figure 130 - My content - report view – Properties

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

	rehouse	Welcome 🗸
A Home	My content	My Report view of Fac information
O Search	My Report view of STF Facility information 18/02/2021 15:11	Owner Created: 18/02/2021, 15:11
System information		Type: Report View
My content		General Report Schedule Permissions
Team content		Description
Recent		
		Advanced 🗸

Figure 131 - My content - report view - Properties – General - description of your report





targ <u>et</u>   Data Wa	arehouse	Welcome 🗸				
A Home	■ My content	My Report view of Fac information				
C Search	My Report view of STF Facility information 18/02/2021 15:11	Owner         Created:         18/02/2021, 15:11           Modified:         18/02/2021, 15:11           Type:         Report View				
My content		General Report Schedule Permissions				
Team content		Hew New				
Recent						
		0 <u> <u> </u> O</u>				
		There is no schedule for this report				

Figure 132 - 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.

targ <u>et</u>   Data Wa	arehouse	Welcome 🗸
Home	∎ My content 🕒 🍸 ↑↓	K Back Create schedule
O Search	My Report view of STF Facility information 18/02/2021 15:11	Schedule Weekly  Daily
System information		Period Daily Weekly Monthly
My content		Start 2021-02-22 Yearly
<b>E</b> Team content		End 2021-05-22 ③ 9:19
Recent		No end date
		Run every 1 week(s)
		On day(s) M T W T F S S

#### Figure 133 - 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 enter the phrase "**eodtrigger**". Please make sure to type this phrase exactly this way, otherwise the report trigger does not work and the scheduled report will not be executed.



Working with reports Scheduling reports

ta	ng <u>et</u>   (	)ata Wareh	ouse				Welcome 🗸
☆	Home	E	My content	0	r ↑Ļ	< Back	Create schedule
0,	Search	ū	My Report view of STF 18/02/2021 15:11	Facility informati	on	Schedule	By trigger 🗸
	System informa	tion				Period	
	My content					Start	■ 2021-02-22
<b>D</b>	Team content					End	■ 2021-05-22 ③ 9:19
8	Recent						No end date
						Trigger name	eodtrigger
						Options	
						Format	XML >
						Delivery	Save >
						Prompts	Set values >
						Languages	English (United Kingdom)
						PDF	Select
						Classic View	
							Create Cancel

#### Figure 134 - 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.



target Data Wa	rehouse			Welcome 🗸
A Home	🗈 My content 🕒 🍸	↑Ļ	< Back	Create schedule
O Search	My Report view of STF Facility information 18/02/2021 15:11		Schedule	By trigger 🗸
System information			Period	
My content			Start	m 2021-02-22 · 9:19
Team content			otart	No end date
Recent			Trigger name	eodtrigger
			Options	
			Format	XML >
		П	Delivery	Save >
			Prompts	Set values 💙
			Languages	English (United Kingdom)
			PDF	Select
			Classic View	
				Create Cancel

Figure 135 - 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 <u>Delivery - Save report (U2A)</u> [ $\triangleright$  102].

**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**".



< Back	Create schedule	
Schedule	By trigger 🗸	·
Period		
Start	2021-02-22 📀 9:19	
	✓ No end date	
Trigger name	eodtrigger	
Options		
Format	KML	>
Delivery	Save Save	>
Prompts	Set values	>

#### Figure 136 - 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.



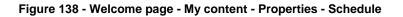
< Back	Create schedule	Cur	rent values	Set Clear
Schedule	By trigger <b>N</b>			1 I
Period				
Start	<ul> <li></li></ul>	You curren		
Trigger name	eodtrigger	1		
Options				
Format	XML	>		
Delivery	Save	>		
Prompts	Set values	>		

#### Figure 137 - 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.

target Data Ware	house			Welcome 🗸	
🚹 Home	My content	<ul> <li>Your schedule was</li> </ul>	successfully created	d.	×
O Search	My Report view of STF Faci 18/02/2021 15:11		o <sup>Owner</sup>	Created: 18/02/2021, 15:11 Modified: 18/02/2021, 15:11	
System information			wg09087	Type: Report View	
My content			General Report Sc	hedule Permissions	
Team content			By trigger - On eodtr	Enable Delete	
Recent				> >	X



#### 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".



Working with reports Scheduling reports

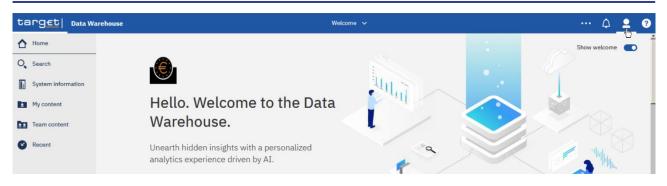


Figure 139 - Welcome page - Personal menu

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

target   Data Warehouse	Welco	• •	··· 🛆 👱 📀
1 Home			A Million and
Q Search	<b>(0</b> )		My ochedules and subscriptions
System information		40.5	O Hy preferences
My contant	Hello. Welcome to the Data	111	Log my semion
Team content	Warehouse.		My Index
Recent	Unearth hidden insights with a personalized	20	My Watch Items
	analytics experience driven by AI.	*	Sign out

Figure 140 - Welcome page - Personal menu - My schedules and subscriptions

target		My sch	edules and subscriptions			¢	<b>_</b>	?
A Home								
O Search	Schedule 🗸						All	
System information								
My content	Enabled 2							
Team content	Disabled 0	1						
Recent	0 Ż	4	6	8 10	12 14			
		0,						
	Name	Modified ^ Type	Scheduled by	Status	Priority			<u> </u>
	> 🕞 My first report daily	25/02/2021 IIII	wg06183	Enabled	3			
	> 🕞 Report view of STF01 - Standing Fa	ility 25/02/2021	wg06183	Enabled	3			

Figure 141 - Welcome page - Personal menu - My schedules and subscriptions - Schedule

Please refer to chapter <u>Personal menu</u> [▶ 46] 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.

TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Service *	Please select the required service	~		
Year From :*	Please select the starting year	~	Year To :*	Please select the ending year
Month From :*		~	Month To : *	

Figure 142 - Previous prompts described as "Manual"

TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Run the report with manual or dynamic	Dates : * Dynamic		~ Re	prompt
Service :	Please select the required service	$\sim$		
Reference Month	Current Month	$\sim$		
Number of Months (Incl. Ref. Month) :	Reference Month	$\sim$		
			Cancel	Finish

#### Figure 143 - 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

# target

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.

TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Run the report with manual or dynamic	Dates : * Dynamic		~	Reprompt
Service :*	Please select the required service	/		
Reference Month :*	Current Month	/		
Number of Months (Incl. Ref. Month):*	Reference Month	~		
	Please select number of Months	^	Cano	el Finish
		1.5		
	Year-To-Date			
	Quarter-To-Date			
	Reference Month			
	Reference Month and - 1			
	Reference Month and - 2			
	Reference Month and - 3			
	Reference Month and - 4			
	Reference Month and - 5			
	Reference Month and - 6			

Figure 144 - 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.

#### TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Service :*	Please select the required service	~			
Year From :*	Please select the starting year	$\sim$	Year To :*	Please select the end	ing year 🗸 🗸
Month From :*		~	Month To : *		~

#### Figure 145 - 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"



Manual	$\sim$
Please select manual or dynamic date	es
Manual	
Dynamic	

#### Figure 146 - Select manual or dynamic dates

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

#### TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Run the report with manual or dynam	nic	Dates : * Dynamic		✓ Re	epr	rompt
Service	*	Please select the required service	$\sim$			
Reference Month	*	Current Month	$\sim$			
Number of Months (Incl. Ref. Month)	*	Reference Month	$\sim$			
				Cancel		Finish

#### Figure 147 - 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":

Current Month	$\sim$
Please select the Reference Month	
Current Month	
Previous Month	

#### Figure 148 - 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 149 - 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:

#### TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Run the report with manual or dynamic	Dates : *	Dynamic		✓ Re	prompt
Service	T2 CLM	COMPONENT	$\sim$		
Reference Month	Current	Month	~		
Number of Months (Incl. Ref. Month)	Year-To	-Date	~		
				Cancel	Finish
					J

#### Figure 150 - Dynamic prompt selected with all reference interval



## target

## TRN03 - Monthly peak day and peak hour in te order

CBXXA	QD0XXX - CSLD BBK QM DWH Test	С	B1	
Filters	Service Reference Month Number of Months (Incl. Ref. Month)			2022 - Aug

#### Currency: EUR

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

Year Month: 2022 - 04

Cash Transfer Status: Final

	Peak Day					Peak Hour			
	Тор	Date	Value (in million)	Volume	Тор	Date and hour	Value (in million)	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	
In Volume	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 151 - 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.

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

#### Figure 152 - 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.

	Service	:	T2 CLM COMPONENT		
Filters	Reference Month	;	Current Month	2022 - Aug	
	Number of Months (Incl. Ref. Month)	1	Year-To-Date		

#### Figure 153 - 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:



NCBXS	KMMXXX - NCB SK		
Filters	Service Reference Month Number of Months (Incl.	T2 CLM COMPONENT Current Month Year-To-Date	2022 - Aug

Currency: EUR

#### Party: NCBXSKMMXXX - NCB SK

Year Month: 2022 - 04

#### Cash Transfer Status: Final

	Peak Day					Pea	k Hour	
	Тор	Date	Value (in million)	Volume	Тор	Date and hour	Value (in million)	Volume
	1	2022-04-26	0.0	2	1	2022-04-21 14:00	0.0	1
In Volume	2	2022-04-21	0.0	1	1	2022-04-22 12:00	0.0	1
	2	2022-04-22	0.0	1	1	2022-04-26 09:00	0.0	1
		,	·		1	2022-04-26 10:00	0.0	1

#### Figure 154 - Report result with data starting from April

#### Ending in August 2022

NCBXS	KMMXXX - NCB SK		
		T2 CLM COMPONENT	
	Reference Month Number of Months (Incl. Ref. Month)	Current Month Year-To-Date	2022 - Aug

#### Currency: EUR

#### Party: NCBXSKMMXXX - NCB SK

Year Month: 2022 - 08

Cash Transfer Status: All

#### Figure 155 - 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":



Reference Date : *	Last Business Date	×
Time Range :*	Please select the Reference Date	
	Last Business Date	
	Prior Last Business Date	

#### Figure 156 - 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".

Reference Date :*	Last Business Date	$\sim$
Time Range :*	Reference Date	~
	Please select the Time Range	
	Year-To-Date	
	Quarter-To-Date	
	Month-To-Date	
	Week-To-Date	
	Reference Date	
	Reference Date and - 1	
	Reference Date and - 2	
	Reference Date and - 3	
	Reference Date and - 4	
Party BIC :	Reference Date and - 5	
-	Reference Date and - 6	

#### Figure 157 - 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:



Run the report with	manual or dynamic Dates :* Dynamic		~	Reprompt
Reference Date : *	Last Business Date ~			
Time Range :*	Reference Date ~			
	Keywords:			
	Input keywords here			
Decto DIO	No Results			
Party BIC :				
	Starts with any of these keywords $$			
. <b>*</b>	Case Insensitive	Cancel	Finish	

#### Figure 158 - Dynamic prompt selected with all reference interval

## target

#### 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 Settlement	Volume of AS	transfer orders	Value of AS tran	sfer orders
AS BIC and short name	procedure	Settled	Not settled	Settled	Not settled
ASAAKMD0XXX - MetroCapital	А	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 159 - 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.

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

CBXXK	MD0XXX - Central Bank of Fiction	
Filters	Reference Date : Last Business Date Time Range : Reference Date	Oct 22, 2019 Oct 22, 2019

Figure 160 - 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

🗅 TRN - Transaction	Reports			
My content Team content				
Team content / Predefined Reports / TR	N - Transaction Reports			
TRN01 - Cash transfer (order) search and details	TRN02 - Monthly overview of domestic and cross-border payments		TRN03 - Monthly peak day and peak hour in terms of value and volume of cash tra	
Last Accessed 8/9/2022, 3:44 PM	Last Accessed 7/18/2022, 11:08 AM	۵	Last Accessed 8/18/2022, 2:08 PM	6

#### Figure 161 - 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.



TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders	Run as     Edit report
Last Accessed	Create report view
8/26/2022, 1:36 PM	View versions
	Copy to (m)
TRN07 - Cash transfers between two accounts of different parties	Add shortcut
two accounts of uncrent parties	Properties
Last Accessed	Details

Figure 162 - Scheduling a report with Dynamic prompts - copy to my content folder



	opy TRN03 - Mo ash transfer orde	nthly peak day an ers	d peak hour in	terms of valu	e and volume of				×
Se	lected destination: My	content							
	My content	Team content							
						V	î↓	[7	Ø
	Name				Туре	Last Acce	essed		
	🛱 TRN03 - Monthly p	eak day and peak hour i	n terms of value and	volume of c	Report	8/26/202	2, 1:36	PM	
Car	ncel			Сору					

յիս

#### Figure 163 - 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 164 - Scheduling a report with Dynamic prompts - selecting Action menu in copied report



Run as	
Edit report	
Create report view	
View versions	
Copy or move to	
Add shortcut	
Edit name and des	cription
Properties	£
Details	
Delete	

#### Figure 165 - Scheduling a report with Dynamic prompts - Action menu - properties

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



0	Owner User-D Q	DOXXX		21/07/2022, 16:40 26/08/2022, 13:36 Report
Ger	neral Report	Sched	lule Peri	missions
Des	cription			

Figure 166 - 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:

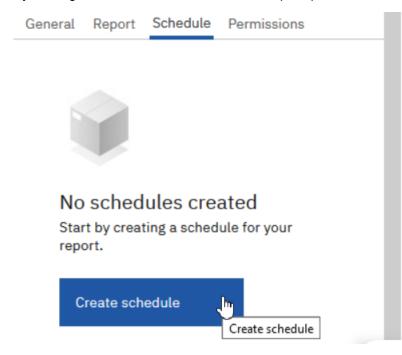


Figure 167 - Scheduling a report with Dynamic prompts - create schedule



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

TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Schedule	Options	Prompts		
Frequency				
Туре		Weekly		~
Repeat every		1	¢	week
Repeat on		<ul> <li>Monday</li> <li>Tuesday</li> <li>Wednesday</li> <li>Thursday</li> </ul>	🗌 Sa	day turday nday
Daily time	e interval			

#### Figure 168 - 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:

Schedule	Options	Prompts			
Q Find					
Format					
HTML Edit optic	ins	P	DF	Excel	
Excel Da			SV	XML	
Accessibility	,				
🗌 Enable a	ccessibility s	upport			
					^

### Figure 169 - Scheduling a report with Dynamic prompts - schedule menu - Options

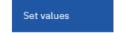
Finally, the tab "Prompts" allows the user to set prompts by clicking on the "Set values" button:



Schedule Options Prompts



You currently have no prompt values



#### Figure 170 - Scheduling a report with Dynamic prompts - schedule menu - Prompts

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

### TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Service :	•	Please select the required service	~			
Year From :	•	Please select the starting year	~	Year To :*	Please select the ending year	~
Month From : 1	•		~	Month To:*		~

### Figure 171 - 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.



### TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Run the report with manual or dynamic Dates : * Dynamic				rompt
Service :*	Please select the required service	$\sim$		
Reference Month :*	Current Month	$\sim$		
Number of Months (Incl. Ref. Month):*	Reference Month	$\sim$		
			Cancel	Finish

### Figure 172 - 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)".

### TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Run the report with manual or dynam	ic Dates : * Dynamic		<ul> <li>✓ Rep</li> </ul>	prompt
Service :	* T2 CLM COMPONENT	~		
Reference Month	* Current Month	~		
Number of Months (Incl. Ref. Month) :	* Year-To-Date	~		
			Cancel	Finish

#### Figure 173 - 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:



And by clicking on "Save" button

#### TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

Schedule Options	Prompts				
Q Find			¢↓	Ū	Ø
Parameter name		Parameter value			
pNumberOfMonths		Year-To-Date			
pReferenceMonth		Current Month			
pSchedule		Dynamic			
pService		T2 CLM COMPONENT			
pYearF					

#### Figure 174 - Scheduling a report with Dynamic prompts - Dynamic prompt page with reference intervals selected

#### Summary Schedule Options Prompts 1↓ ⊡ ∠ Schedule Q Find Run every 1 week(s) from September 6, 2022 at 12:09 PM on Tuesday. Parameter value Parameter name Credentials NCBXSKMMXXX-DWH-User1 500418703@bundesbank.de pNumberOfMonths Year-To-Date Priority pReferenceMonth Current Month 3 Format pSchedule Dynamic HTML T2 CLM COMPONENT Delivery pService Save Languages English (United States)

TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders

#### Figure 175 - Scheduling a report with Dynamic prompts - Dynamic prompt page with reference intervals selected

The choices are saved and the Schedule is created:



TRN03 - Monthly peak tran orde	rs
<ul> <li>Own Sour Schedule was</li> <li>NCB Successfully updated.</li> </ul>	×
General Report Schedule Permissions	
Enable Edit	t Delete
Schedule Run every 1 week(s) from September 6, 2022 at 12 Tuesday. Credentials NCBXSKMMXXX-DWH-User1	:09 PM on
500418703@bundesbank.de	
Priority 3	
Format HTML	
Delivery Save	

# Figure 176 - 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]

#### <u>Screenshot – prompt</u>

≡	Data Wareh	use 🔛 ANS01 - Overv transfer orders 🗸	Q Search content	÷	<b>Ф</b>
8	Edit				
	ANS01	Overview of AS transfer orders			
	Run the repor	with manual or dynamic Dates .* Manual V Reprompt			
	Date From : *	Oct 16, 2023 Date To. • Oct 16, 2023			
		Keywords:			
		Input keywords here			
		No Results			
	Party BIC :				
		Starts with any of these keywords V			
		Case Insensitive			
		Cancel Finish			

#### Figure 177 - ANS01 prompt - Manual



	Data Warehouse 📄 ANSO1 - Overv trans	r orders 🗸 Q. Search content	і <b>Г</b>	4	
	O Edit 🖺 ∨ ↔ ↔ ▷ ∨ C		2 Z	8	F
	ANS01 - Overview of AS transfer o	ders			
	Run the report with manual or dynamic Dates :* Dynamic	✓ Reprompt			
	Reference Date :* Last Business Date				
	Time Range * Reference Date				
	Keywords:				
	Input keywords here				
	No Results				
F	Party BIC				
	Starts with any of these keywords				
	Case Insensitive	Cancel			

# Figure 178 - 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. 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. 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. This field is optional.		

 Table 1 - ANS01 - 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. Valid values: I Last Business Day I Prior Last Business Day 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. 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. This field is optional.
Table 2 - ANS01 - Report de	This field is optional.

# ANS01 – Report description – prompt screen - Dynamic



# Screenshot - output screen

2	<b></b>										
-	target				ANS01 - Ov	erview of A	AS transfer orders		DEV	Davalopmen	2021-03-( 08:46:( t and integratic
	CBXXKMD0XXX - Central Bank of Fiction								DEV	Developmen	t and integrati
	Filters Date From : 2019-04-01 Date To:2019-0	05-31									
1	Currency : EUR										
		AS Settlement	Volume of AS tr	ansfer orders	Value of AS tra	nsfer orders					
	AS BIC and short name	procedure	Settled	Not settled	Settled	Not settled					
	ASAAKMD0XXX - MetroCapital	A	339,874,787	9,960,885	162,643,537,472.63	4,718,524,554.98					
	ASAARMIDUXAX - MetroCapitai	С	2,333,481	398,400	1,104,255,631.89	188,531,449.06					
	ASABKMD0XXX - Auslandskassenverein i.L.	. D	14,411,000	0	6,124,675,000	0					
		Total	356,619,268	10,359,285	169,872,468,104.52	4,907,056,004.04					

### Figure 179 - 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:
	A, B, C, D, E
Volume of AS transfer orders –	Number of AS transfer orders which were settled or partially settled for the respective
Settled	AS in the chosen date range is reflected.
Volume of AS transfer orders –	Number of AS transfer orders which were not settled (i.e. cancelled (revoked) or
Not settled	rejected) for the respective AS in the chosen date range.
Value of AS transfer orders –	Sum of amounts of all AS transfer orders which were settled or partially settled for the
Settled	respective AS in the chosen date range.
Value of AS transfer orders –	Sum of amounts of all AS transfer orders which were not settled (i.e. cancelled
Not settled	(revoked) or rejected) for the respective AS in the chosen date range.
Table 3 - ANS01 - Report descr	intion - Output screen

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

ta	nrg€t  ≞ · ∩ ∩ _0 · C	ANS02 - Daily average of AS transfers 🗸 🗸	▼ ··· ≪ 众 💄 📀
≏	ANS02 - Daily average of AS transfers		
<b>়</b>	Year From :* 2019 Year To :* 2019	~	
	Month From :      January     Month To :      February	~	
	Country : Please select a country or none		
80	Cancel	Finish	
ø			
	-		
+			

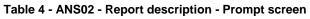
Figure 180 - ANS02 Prompt

# 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.						
	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.						
	For valid report result, the current month cannot be selected.						
	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.
	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. For valid report result current month cannot be selected.
	This field is mandatory.
Country Code	You can select the Country Code of the related Party.
	This field is optional.



# Screenshot - output screen

ta	rg <u>et</u>   🖺 -	S C	▶ Č			ANS02 - Daily average of AS transfers 🗸 🍸		≪ 1	۵.	<b>.</b> 0
☆	<b></b>									
0,	target					ANS02 - Daily average of AS transfers	DEV	- Develor		2021-04-2 15:17:1 nd integratio
	CBXXKPD0XXX - Bang						DEV	- Develop	intern an	la mograno
	Filters Year From : 201 Year To : 201	9 Month From :	January							
	1100110 1201	io monario .	roordary							
	Currency : DKK									
•	Month	201	19-01	20	19-02					
ø	Country Code		Daily average value	Daily average volume	Daily average value					
	KW	4,497,471.00	487,726,460.10	54,136,890.00	12,234,937,625.82					
	Total daily average	4,497,471.00	487,726,460.10	54,136,890.00	12,234,937,625.82					
	Currency : EUR									
	Month	20	19-01	20	19-02					
	Country Code	Daily average volume	Daily average value	Daily average volume	Daily average value					
	KM		269,376,080.68		960,743,968.87					
	KP	429,976.26	52,463,751.78		185,489,554,44					
	Total daily average	1,318,905.39	160,919,916.23	2,604,042.19	573,116,761.66					
-										
+	NORU82000019 - CBX		arm ol							Page: 1 of 1
	NOR002000019 - CBX	AREDO (NOR) NO	annai							mage: 1011

# Figure 181 - 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
	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

# 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

ta	rg <u>et</u>	🗎 • 🧷 n n 💿	С	1Y01 - Business Day event settlement opening time 🗸 🗸	<b>T</b> -	•••	%	Δ.	•	?
≏	BDY01	- Business Day event/delay	nformation and settlement opening time							
<b>़</b>	Date From : '	22 Apr 2021	Date To : * 22 Apr 2021							
8	Currency :	Please select Currency								
<b>6</b>			Cancel Finish							
۲										
<u>0</u>										

### Figure 182 - BDY01 prompt

# Prompt description

BDY01 – Report descripti	BDY01 – Report description – prompt screen								
Field label	Description								
Service	Service for which the data shall be displayed.								
	Possible values:								
	I All								
	I RTGS								
	I CLM								
	This field is mandatory.								



Date from	You can select the date by clicking on the calendar. 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. This field is mandatory.
Currency	Choose the currency, for which you want to generate the report.

### Table 6 - BDY01 - Prompt description

# Screenshot - output screen

Business Day event/delay information and se	ttlement openi	ing time - CLM Rue	siness Dav event/delav	information and settler	nent opening time - RTC	GS			
business bay event delay mornation and se			sinoss buy event delay			~			2021-03
target		BDY01 - Bi	usiness Day	event/delay	y information	n and settlement opening time	DEV - D	evelopment	09:15 t and integral
CBXXKMD0XXX - Central Bank of Fiction									
	From: 2018-12								
Currency : EUR Date 1	To : 2018-12	-1/					 		
17.12.2018									
Event	Event code	Planned time	Revised time	Effective time	End time				
Change of business day	CSOD	2018-12-14 18:45:01	2018-12-14 18:45:01	2018-12-14 18:46:01	2018-12-14 18:47:01				
Start of CLM RTS	CRTI	2018-12-14 19:00:02	2018-12-14 19:00:02	2018-12-14 19:01:02	2018-12-14 19:02:02				
Execution of standing orders in CLM	CESO	2018-12-14 19:30:03	2018-12-14 19:30:03	2018-12-14 19:31:03	2018-12-14 19:35:03				
Start of non-optional maintenance window	CSMW	2018-12-17 02:00:04	2018-12-17 02:00:04	2018-12-17 02:01:04	2018-12-17 02:02:04				
End of non-optional maintenance window	CEMW	2018-12-17 02:30:05	2018-12-17 02:30:05	2018-12-17 02:31:05	2018-12-17 02:32:05				
Cut-off for CLM RTS	CCII	2018-12-17 17:30:06	2018-12-17 17:30:06	2018-12-17 17:31:06	2018-12-17 17:32:06				
Data propagation for T2	T2DP	2018-12-17 17:35:07	2018-12-17 17:35:07	2018-12-17 17:36:07	2018-12-17 17:39:07				
Start of EoD processing	CEOD	2018-12-17 17:40:08	2018-12-17 17:40:08	2018-12-17 17:41:08	2018-12-17 17:43:08				
General cut-off for standing facilities	CCSF	2018-12-17 17:50:09	2018-12-17 17:50:09	2018-12-17 17:51:09	2018-12-17 17:52:09				
CB cut-off for standing facilities	CCML	2018-12-17 17:55:10	2018-12-17 17:55:10	2018-12-17 17:56:10	2018-12-17 17:57:10				
EoD – close of service	CCOS	2018-12-17 18:00:11	2018-12-17 18:00:11	2018-12-17 18:01:11	2018-12-17 18:01:11				

Figure 183 - BDY01 Output (1)



Predefined reports

Page: 2 of ?

Business day reports (BDY)

	Business Day event/delay information and settlement opening time - 0	CLM Busi	ness Day event/delay ir	nformation and settlem	ent opening time - RTC	3S		
	target BDY	'01 - Bu	siness Dav	event/delav	information	and settler	ent opening time	2021-03- 09:15
	arrives 1		,	·····,				DEV - Development and integral
-	CBXXKMD0XXX - Central Bank of Fiction Service : RTGS Date From : 2018-12-17							
	Filters Currency : EUR Date To : 2018-12-17							
	17.12.2018							
	Event	Event code	Planned time	Revised time	Effective time	End time		
	Change of business day	RSOD	2018-12-14 18:45:12	2018-12-14 18:45:12	2018-12-14 18:46:12	2018-12-14 18:47:12		
	Execution of standing orders in RTGS	RESO	2018-12-14 22:15:14	2018-12-14 22:15:14	2018-12-14 22:16:14	2018-12-14 22:25:14		
	Start of RTGS RTS I	RRTI	2018-12-14 22:30:13	2018-12-14 22:30:13	2018-12-14 22:31:13	2018-12-14 22:33:13		
	Start of non-optional maintenance window	RSMW	2018-12-17 02:00:15	2018-12-17 02:00:15	2018-12-17 02:01:15	2018-12-17 02:02:15		
	End of non-optional maintenance window	REMW	2018-12-17 02:30:16	2018-12-17 02:30:16	2018-12-17 02:31:16	2018-12-17 02:32:16		
	Start of RTGS RTS II	RRII	2018-12-17 02:35:17	2018-12-17 02:35:17	2018-12-17 02:36:17	2018-12-17 02:37:17		
	Start of settlement window for interbank and customer payments	RSIC	2018-12-17 03:00:18	2018-12-17 03:00:18	2018-12-17 03:01:18	2018-12-17 03:02:18		
	Cut-off for customer payments	RCOC	2018-12-17 16:30:19	2018-12-17 16:30:19	2018-12-17 16:31:19	2018-12-17 16:32:19		
	Cut-off for RTGS RTS II	RCII	2018-12-17 16:45:20	2018-12-17 16:45:20	2018-12-17 16:46:20	2018-12-17 16:47:20		
	Execution of standing orders after last settlement attempt in RTGS	RLSO	2018-12-17 16:50:21	2018-12-17 16:50:21	2018-12-17 16:51:21	2018-12-17 16:55:21		
	Start of EoD processing	REOD	2018-12-17 16:55:22	2018-12-17 16:55:22	2018-12-17 16:56:22	2018-12-17 16:57:22		
	EoD – close of service	RCOS	2018-12-17 17:00:23	2018-12-17 17:00:23	2018-12-17 17:01:23	2018-12-17 17:02:23		

NORU82000001 - CBXXKMD0 (NOR) Normal

# Figure 184 - 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.
	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. Only for time-based events.
	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. Only for time-based events. 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.
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 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

BIL 01 - Con	sumption data	
Run the report with	manual or dynamic Dates ." Manual	Reprompt
Year Please s	elect a year 🗸 🗸	
Quarter : *	~	
	C RTGS	
	□ T2S	
	TIPS	
Service	ECMS	
	Select all Deselect all	
	Keywords: Input keywords here	Search and Select the Party BIC
	Eelect at	
	PAU Flassatts	
Charged Party BIC :		
	Starts with any of these keywords $\vee$	
	Case Insensitive	Select all Deselect all
	on the very local local dates and	

Figure 185 - BIL01 prompt – Manual



BIL01 - C	consumption data	
Run the report	with manual or dynamic Dates * Dynamic	~ Reprompt
Reference Qua	rter :* Current Quarter	v
Service	RTGS T2S T1P5 ECM5	
	Select all Deselect	at
	Keywords	Search and Select the Party BIC
	Input keywords here	
	Select at	÷
	No Results	
Charged Party	BIC :	
	Starts with any of these keywords	
	Case Insensitive	Select all Deselect all
		Cancel Finish

# Figure 186 - BIL01 prompt - Dynamic

# Prompt description

ription
an use this drop-down field to select the year, from which the report d contain the data. ield is mandatory.



Quarter	You can use this drop-down field to select the quarter, for which the report should show the data. 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.
Service	This field is optional. Service for which the data shall be displayed. Possible values: I RTGS I TIPS I T2S I ECMS 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. Possible values: <ol> <li>Current Quarter</li> <li>Previous Quarter</li> </ol> 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. This field is optional.
Service	Service for which the data shall be displayed. Possible values: RTGS TIPS ECMS This field is optional.

# BIL01 – Report description – prompt screen - Dynamic

Table 9 - BIL01 - Prompt description - Dynamic



### Screenshot - output screen

Per service Syste	em entity wide sums per s	ervice										
arget					BII	01 - 0	onsum	notion	data			202
							onsun	puon	Gata		DEV - Der	velopment and int
EXXKMD0XXX - Cent												
Quarter : 2018 iters Services : RTG												
	AKMD0XXX - Banco de Is	thmus										
Service: RTGS												
				Service Item	2018 0	ctober	2018 No	wember	2018 D	ecember		
Charged party BIC	Responsible party BIC	Category	Code	Description	Quantity	Share (%)	Quantity	Share (%)	Quantity	Share (%)	6)	
PBAAKMD0XXX	CBXXKMD0XXX	Account Management Services	5002	Fixed fee - RTGS account	243	8.56	249	9.50	666	10.47	47	
			5004	Adressable BIC - Correspondent	171	7.30	177	8.27	522	9.67	67	
			5005	Fee for unpublished BIC	117	8.42	120	9.38	324	10.38	18	
			5009	Anoilary system – Fixed fee II	171	7.30	177	8.27	522	9.67	67	
			5011	RTGS payment order	72	6.67	75	7.65	234	9.29	19	
			5012	RTGS AS cash transfer order	162	7:10	168	8.08	504	9.55	15	
			5015	inter-banking group intra-component liquidity transfer order	54	5.65	57	6.63	198	8.68	18	
		Information Services	5002	Fixed fee - RTGS account	144	9.14	147	10.07	378	10.86	36	
			5004	Adressable BIC – Correspondent	135	8.92	138	9.86	360	10.71	71	
			5005	Fee for unpublished BIC	126	8.68	129	9.63	342	10.56	36	
			5006	Fee for multi-addressee	117	8.42	120	9.38	324	10.38	18	
			5007	Ancillary system - core fixed fee	108	8.14	111	9.10	306	10.20	20	
			5008	Ancillary system – Fixed fee I	99	7.83	102	8.79	288	10.00	10	
			5009	Anoilary system - Fixed fee II	90	7,48	93	8.45	270	9.78	78	
			5011	RTGS payment order	81	7:10	84	8.08	252	9.55	55	
			5012	RTGS AS cash transfer order	72	6.67	75	7.65	234	9.29	29	
			5015	inter-banking group intra-component liquidity transfer order	63	6.19	66	7:17	216	9.00	10	
			5016	Inter-banking group inter-component liquidity transfer order	54	5.65	57	6.63	198	8.68	58	
		Settlement Services	5006	Fee for multi-addressee	288	7.71	297	8.68	846	9.93	13	
			5007	Anoilary system - core fixed fee	261	7.36	270	8.33	792	9.71	71	

Top 🛧 Page up 🔸 Page down 🛓 Bottom

Figure 187 - BIL01 Output ("Per service")(1)

'9 <b>2</b> 0  🖹 ~	<u>୍ର ଜ ⊳ ×</u>	⊖ O v C BIL01 - Consumption data v							
<b>.</b>									
Perservice Syste	m entity wide sums per se	ervice							
target					BIL	.01 - C	Consum	nption	data
BXXKMD0XXX - Cent	al Bank of Fiction								
Filters Services : RTG Parties : PBA		thmus							
			Service Item	2018	October	2018	November	2018 D	ecember
Charged party BIC	Responsible party BIC	Category	Code Description	Quantity	Share (%)	Quantity	Share (%)	Quantity	Share (%)
PBAAKMDOXXX	CBXXKMD0XXX	Settlement Services	5008 Ancillary system – Fixed fee I	234	6.95	243	7.94	738	9.46
			5016 Inter-banking group inter-component liquidity transfer	order 108	5.65	114	6.63	396	8.68

Top ↑ Page up ↓ Page down ★ Bottom

### Figure 188 - BIL01 Output ("Per service")(2)



Predefined reports

Billing reports (BIL)

<b>3⊈t  ≞</b> ∽ ೧ ೧	C	·~ ℃				BIL01 - Consumption data 🗸	▼ … ≪ 众 👤
Per service System entity wide	e sums d	er service					
							203
arget					E	01 - Consumption data	
XXKMD0XXX - Central Bank of Fi	ction					· · · · · · · · · · · · · · · · · · ·	DEV - Development and i
Quarter : 2018 Q4	0001						
ters Services : RTGS							
Parties : PBAAKMD0XXX -	Banco	de Isthmus					
Service: RTGS							
		Service Item	2018 October	2018 November	2018 December		
Category	Code	Description	Quantity (sum)	Quantity (sum)	Quantity (sum)		
Account Management Services	5002	Fixed fee - RTGS account	2,840	2,620	6,360		
	5004	Adressable BIC – Correspondent	2,344	2,140	5,400		
	5005	Fee for unpublished BIC	1,389	1,280	3,120		
	5009	Ancillary system – Fixed fee II	2,344	2,140	5,400		
	5011	RTGS payment order	1.079	980	2,520		
	5012	RTGS AS cash transfer order	2,282	2,080	5,280		
	5015	inter-banking group intra-component liquidity transfer order	955	860	2,280		
Information Services	5002	Fixed fee - RTGS account	1,575	1,460	3,480		
	5004	Adressable BIC - Correspondent	1,513	1,400	3,360		
	5005	Fee for unpublished BIC	1,451	1,340	3,240		
	5006	Fee for multi-addressee	1,389	1,280	3,120		
	5007	Ancillary system - core fixed fee	1,327	1,220	3,000		
	5008	Ancillary system – Fixed fee I	1,265	1,160	2,880		
	5009	Ancillary system – Fixed fee II	1,203	1,100	2,760		
	5011	RTGS payment order	1,141	1,040	2,640		
	5012	RTGS AS cash transfer order	1,079	980	2,520		
	5015	inter-banking group intra-component liquidity transfer order	1,017	920	2,400		
	5016	Inter-banking group inter-component liquidity transfer order	955	860	2,280		
Settlement Services	5006	Fee for multi-addressee	3,733	3,420	8,520		
	5007	Ancillary system - core fixed fee	3,547	3,240	8,160		

Figure 189 - BIL01 Output ("System entity wide sums per service")(1)

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r service System	n entity w	ide sums per service					
arget						BIL01 - Consumption data	200 DEV - Development and int
XXKMD0XXX - Centra	I Bank of	Fiction					Dev - Development and m
Quarter : 2018 G iters Services : RTGS Parties : PBAA		X - Banco de Isthmus					
		Service Item	2018 October	2018 November	2018 December		
Category	Code	Description	Quantity (sum)	Quantity (sum)	Quantity (sum)		
	5008	Anoillary system – Fixed fee I	3,361	3,060	7,800		
	5016	Inter-banking group inter-component liquidity transfer order	1,910	1,720	4,560		

# Figure 190 - BIL01 Output ("System entity wide sums per service")(2)



# Output description

BIL01 – Report description – ou	tput screen
Field label	Description
Year, Quarter	Year and quarter as chosen in input screen
Tab "Per service": Shows consum	ption data per selected service
Charged party BIC	BIC of the charged party
Responsible party BIC	BIC of the responsible party.
	Indicates the CB responsible for the party to be charged
Service item category	Possible values are:
	Settlement Services (SETT)
	Account Management Services (ACMS)
	I Information Services (INSV)
Service item code	Following service item codes are currently available:
	See BILL UDFS Annex I
Service item description	Following service item descriptions are currently available:
	See BILL UDFS Annex I
Month, Year	For each month within the chosen quarter, one row will be displayed.
	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 item category	Possible values are:
	Settlement Services
	Account Management Services
	I Information Services
Service item code	Following service item codes are currently available:
	I See BILL UDFS Annex I



Service item description	Following service item descriptions are currently available:
	See BILL UDFS Annex I
Month, Year	For each month within the chosen quarter, one row will be displayed. 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 191 - BIL02 prompt - Manual



Predefined reports Billing reports (BIL)

=	Data Warehouse 🖹 B1L02 - Monitoring the activity 💙	Q Search content	÷	¢	ጸ
۵	The test the test of t			<b>⊽</b> Fi	iters
	BIL02 - Monitoring the invoicing activity				
	Run the report with manual or dynamic Dates :   Dynamic  Reprompt				
	Reference Quarter: • Current Quarter V				
	Cancel Finish				

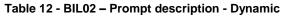
### Figure 192 - BIL02 prompt - Dynamic

# 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.				
	This field is mandatory.				
Quarter	You can use this drop-down field to select the quarter, for which the report should show the data.				
	This field is mandatory				

# Table 11 - BIL02 – Prompt description - Manual

Field label	Description
Reference Quarter	Reference Quarter for which the data shall be displayed.
	Possible values:
	Current Quarter
	Previous Quarter
	This field is mandatory.





### Screenshot - output screen

Monitoring the invo	cing activity by Party Me	onitoring the invoid	cing activity b	y Service	Monitoring the	e invoicing act	cing activity by Fee Type
target					BIL02	- Moni	2021-03 10:11 DEV - Development and integra
CBXXKMD0XXX - Ce	ntral Bank of Fiction						<i></i>
Filters Quarter : 201	8 Q4						
Currency: EUR							
Party BIC	Party name	Party type	Volume	Share (%)	Value	Share (%)	
PBAAKMD0XXX	Banco de Isthmus	Payment Bank	554,682	18.68	1,102,411.36	18.65	
PBABKMD0XXX	Gringotts Bank	Payment Bank	531,629	17.91	1,065,442.01	18.03	
PBBEKMD0XXX	Banco di San Giorgio	Payment Bank	419,420	14.13	831,214.30	14.06	
PBBHKMD0XXX	Monte Pio	Payment Bank	285,344	9.61	568,189.81	9.61	
PBBBKMD0XXX	Banca de Bondi	Payment Bank	135,093	4.55	272,578.24	4.61	
PBBCKMD0XXX	Fidelity Savings & Trust	Payment Bank	135,972	4.58	272,114.40	4.60	
PBBAKMD0XXX	Tellson's Mutual	Payment Bank	133,934	4.51	265,835.34	4.50	
PBAGKMD0XXX	Woodgrove Bank	Payment Bank	131,442	4.43	263,915.26	4.47	
PBAHKMD0XXX	Goliath National Bank Ltd	Payment Bank	132,690	4.47	262,002.13	4.43	
PBADKMD0XXX	Banque Mammon	Payment Bank	127,972	4.31	254,609.47	4.31	
PBAFKMD0XXX	Dagobert Duck Thrift	Payment Bank	130,010	4.38	252,660.25	4.27	
PBACKMD0XXX	Iron Banks of Braavos	Payment Bank	126,624	4.27	251,576.05	4.26	
PBMFKMD0XXX	Par ò Six Ouvert Bank	Payment Bank	124,008	4.18	247,939.36	4.19	
Total			2,968,820		5,910,487.98		

Figure 193 - BIL02 Output ("Monitor the invoicing activity by party")

ta	rg€t	<b>*</b>	A 0	• • •	* ~			BIL02 - Monitoring the i	e invoici	ing activity 🗸				7	~ L	2	2 (	?
≏	<b></b>																	
0	Monitorin	g the invoicing	activity by F	arty Monit	oring the invo	picing activity by Service	Monitoring the invoicir	ng activity by Billing Period	i Ma	lonitoring the invoicing a	ctivity by Fee Typ	be						
	tar	get					BIL02 - M	onitoring the ir	invoi	icing activity	y			DEV -	Developme		021-03-0 10:10:	31
	CBXXKMD	0XXX - Centra	I Bank of Fic	lion														_
-	Filters Qua	arter : 2018 Q4	1										 					_
<b>D</b>	Currency	r: EUR																_
0	Service		Share (%)		Share (%)													
	T2S	1,877,440	63.24	3,734,003.09	63.18	_												
	RTGS	1,091,380	36.76		36.82													
	Total	2,968,820		5,910,487.98														
Ð	NORU8200	0001 - CBXXK	MD0 (NOR)	Normal												Pa	age: 2 of	<i>{</i> ?

# Figure 194 - BIL02 Output ("Monitor the invoicing activity by service")



Predefined reports

Billing reports (BIL)

			ng the invoici	ng activity by Se	ervice M	ring the invoicing activity by Billing Period Monitoring the invoicing activity by Fee Type		
target	1			E	BIL02 -	onitoring the invoicing activity	DEV - Development	2021-0 10: and integr
CBXXKMD0XXX - Cer	ntral Bank of Fiction							5
Filters Quarter : 2018	3 Q4							
Currency: EUR								
Billing period start	Billing period end	Volume	Share (%)	Value	Share (%)			
2018-10-01	2018-10-31	304,840	10.27	604,860.03	10.23			
2018-11-01	2018-11-30	1,245,480	41.95	2,481,712.46	41.99			
2018-12-01	2018-12-31	1,418,500	47.78	2,823,915.49	47.78			
Total		2,968,820		5,910,487.98				

Figure 195 - BIL02 Output ("Monitor the invoicing activity by billing period")

	rget  🖹 - 🧳	) (ψ		,		BIL02 - Monitoring the invoicing activity 🗸 🗸	▼ … ≪ 众 👤
1	<b></b>						
	Monitoring the invoicing a	ctivity by Part	y Monito	ring the invoicin	ng activity by	ervice Monitoring the invoicing activity by Billing Period Monitoring the invoicing activity by Fee Type	
	target					3IL02 - Monitoring the invoicing activity	2021-03 10:1 DEV - Development and integra
	CBXXKMD0XXX - Central B	ank of Fiction	n				
	Filters Quarter : 2018 Q4						
	Currency: EUR						
	Fee type	Volume	Share (%)	Value	Share (%)		
	Fixed independent fees	2,968,820	100	5,910,487.98	100		
	Total	2,968,820		5,910,487.98			

# Figure 196 - BIL02 Output ("Monitor the invoicing activity by fee type")



# Output description

BIL02 – Report description – output screen						
Field label	Description					
Year, Quarter	Year and quarter as chosen in input screen					
Tab "Monitor the invoicing ac	tivity 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 ac	tivity by service"					
Service	Service for which the data is displayed					

Service	Service for which the data is displayed.
	Possible values:
	I RTGS
	I 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
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 bi	lling 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
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.

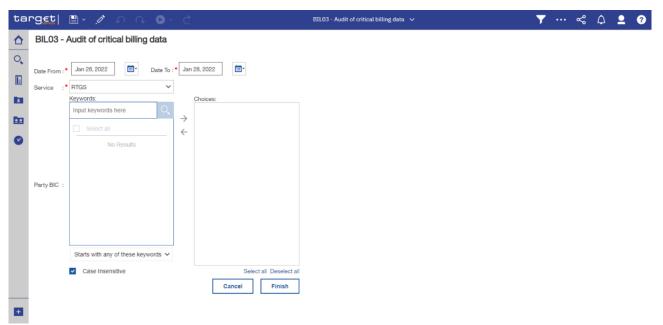
This report can be used by CB users only.

#### Report access

This report can be reached in the following way:

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

### Screenshot - prompt



#### Figure 197 - BIL03 prompt

### Prompt description

BIL03 – Report description – prompt screen	
Field label	Description
Service	Service for which the data shall be displayed.



	Possible values:
	I RTGS
	I TIPS
	I T2S
	This field is mandatory.
Date from	You can select the date by clicking on the calendar.
	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.
	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.
	This field is optional.

Table 14 - BIL03 - Prompt description

# Screenshot - output screen

1	<b></b>								
	target		BILC	03 - A	udit of critical billing data		D	20 EV - Dev	9:21: 9:21: elopme
(	Central Bank of Fiction								
	Filters Date From : 2021-01-28 Date To : 2022-01-28	Service : R	TGS						
	Service RTGS								
	Party BIC NCBKSAMM0	02							
		update timestamp	: 2021-05-29 12:00:00 AM	м			 		
	Attributes	Old field value	lew field value						
	Attributes Invoice configuration technical identifi			40001004					
	Invoice configuration technical identifi Tariff technical identifier			40001004 1					
	Invoice configuration technical identifi Tariff technical identifier VAT ID			1					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity			1 0 SNSA					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity Deletion status			1 0 SNSA ACTV					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity Deletion status Service		94	1 0 SNSA ACTV RTGS					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity Deletion status Service Party BIC		94	1 0 SNSA ACTV					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity Deletion status Service Party BIC Direct invoicing		94	1 0 SNSA ACTV RTGS					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity Deletion status Service Party BIC Direct invoicing Tax exempt		94	1 0 SNSA ACTV RTGS					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity Deletion status Sarvice Party BIC Direct invoicing Tax exempt Tax exempt Annual amount threshold		94	1 0 SNSA ACTV RTGS					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity Deletion status Service Party BIC Direct invoicing Tax exempt Annual amount threshold Direct charging		94 NCBKS.	1 0 SNSA ACTV RTGS GAMM002 T F 0 F					
	Invoice configuration technical identifi Tariff technical identifier VAT ID System entity Deletion status Sarvice Party BIC Direct invoicing Tax exempt Tax exempt Annual amount threshold		94	1 0 SNSA ACTV RTGS 6AMM002 T F 0 F 6 0 F (EUR1000					

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# Figure 198 - BIL03 output (1) ("Invoice configuration")



Predefined reports

Billing reports (BIL)

2	<b></b>				
),	target	BIL03 - Audit of critical billing data		DEV - I	2022-01- 9:21 Developm
-	Central Bank of Fiction			DLI	or or opin
	Filters Date From : 2021-01-28 Service : RTG Date To : 2022-01-28				
	Fee schedule			 	
	Attributes Old field value New field value Fee schedule technical identifier Tariff technical identifier				
9	Tariff name System entity Service item code	- - -			
	Fee type Fee price				
	Computation method Valid from	-			
	Valid to Creation timestamp				
				 _	Page: 2 d

Figure 199 - BIL03 output (2) ("Fee schedule")

<b>1</b>		
target	BIL03 - Audit of critical billing data	2022-0 9:2 DEV - Developn
Central Bank of Fiction		Der Dereispri
Filters Date From : 2021-01-28 Service : RTGS Date To : 2022-01-28		
Fee band		
Attributes Old field value New field value		
Fee band technical identifier		
Fee schedule technical identifier		
System entity Service item code		
Band price		
Lower bound		
Upper bound		
Creation timestamp		
		Page: 3

# Figure 200 - BIL03 output (3) ("Fee band")



Predefined reports

Billing reports (BIL)

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ᡎ	<b></b>						
0	target	BIL03 - Audit of critical billing data				DEV - I	2022-01 9:21 Developm
	Date From :         2021-01-28         Service :         RTGS           Filters         Date To         :         2022-01-28						
2	VAT Attributes Old field value New field value						
	VAT technical identifier System entity						
8	Service Party BIC (of the CB) Default flag VAT mnemonic VAT percentage Creation timestamp						
							Page: 4 (
÷	Top ↑ Page up ↓ Page down Ł Bottom						

Figure 201 - BIL03 output (4) ("VAT")

target	BIL03 - Audit of critical billing data	2022-01-2 9:21:5 DEV - Developmer
Central Bank of Fiction		DEV - Development
Data From ( 0001 01 00		
Attributes Old field value New field value Service item technical identifier		
Category Service item code		
		Page: 5 of
		1 490. 0 0
Top ↑ Page up ↓ Page down 🛓 Bottom		
	Central Bank of Fiction           Filters         Date From: 2021-01-28         Service : RTGS           Date To         : 2022-01-28         Service : RTGS           Service         Attributes         Old field value         New field value           Attributes         Old field value         New field value         Service item technical identifier           Service         Category         Image: Category         Image: Category         Image: Category	Central Bank of Fiction         Filters       Date From: 2021-01-28       Service : RTGS         Date To:: 2022-01-28       Service         Attributes       Old field value       New field value         Service Item technical identifier       Service       Service         Category       Category       Category       Category         Service Item code       Category       Category       Category         Category       Service item code       Category       Category         Creation timestamp       Service       Service       Service

# Figure 202 - BIL03 output (5) ("Service")



# Output description

BIL03 – Report description – output screen				
Field label	Description			
Party BIC	BIC of the party, for which the audit for critical billing data is shown in the following table			
The following information is shown per critical data item (entity – see following list for possible values):				
Entity name	Name of the critical data entity. Possible values: Invoice configuration Fee schedule Fee band VAT Billing group			
Last update timestamp	Service item Timestamp of the last update to attributes of this critical data item			
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	Service			
Invoice configuration	Party BIC			
Invoice configuration	Direct invoicing			
Invoice configuration	Tax exempt			
Invoice configuration	Annual amount threshold			
Invoice configuration	Direct charging			



Invoice configuration	Credit account
Invoice configuration	Debit account
Fee schedule	Tariff name
Fee schedule	Service item code
Fee schedule	Fee type
Fee schedule	Fee price
Fee schedule	Computation method
Fee schedule	Valid from
Fee schedule	Valid to
Fee band	Service item code
Fee band	Band price
Fee band	Lower bound
Fee band	Upper bound
VAT	Service
VAT	Party BIC (of the CB)
VAT	Default flag
VAT	VAT mnemonic
VAT	VAT percentage
Billing group	Billing group leader
Tariff	Service
Tariff	Tariff name

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

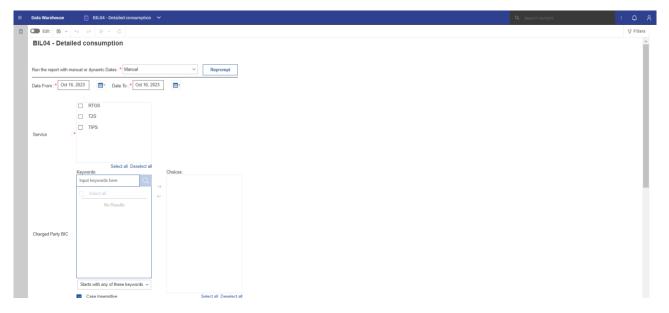


Figure 203 - BIL04 prompt - Manual (1)



Predefined reports Billing reports (BIL)

Data Warehouse	BIL04 - Detailed consumption	~	
	⇔ ⊳ ∨ C		Select all Deselect all
Originator Party BIC:	Select all No Results	Choices:	Select at Deselect at
number :	C Calast all	Choices:	Select all Deselec
	Starts with any of these keywords ~ Case Insensitive	C	Select all Deselect ancel Finish

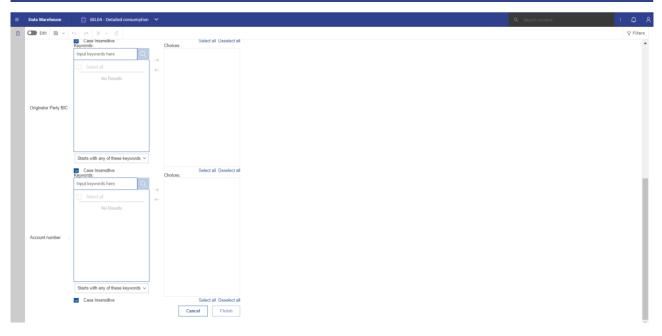
Figure 204 - BIL04 prompt - Manual (2)

Data Warehouse	🖺 BIL04 - Detailed consumption 🗸		Q Search content
Edit 🖾 🗸			
BIL04 - Detai	led consumption		
Run the report with m	anual or dynamic Dates : * Dynamic ~	Reprompt	
Reference Date :*	Last Business Date ~		
	Reference Date		
Time Nange .			
	RTGS		
	□ T2S		
Service	*		
	Select all Deselect all Keywords: Choices:		
	Input keywords here		
	→		
	□ Select all ←		
	No Results		
Charged Party BIC			
	Starts with any of these keywords $\sim$		

Figure 205 - BIL04 prompt - Dynamic (1)



Predefined reports Billing reports (BIL)



# Figure 206 - 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.
	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. This field is mandatory.
Service	Service for which the data shall be displayed. Possible values: I RTGS I TIPS I T2S This field is mandatory.



Charged party BIC and name	BIC and name of the party to be charged 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.
	This field is optional.
Originator party BIC and name	BIC and name of the party originating the charge 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.
	This field is optional.
Account number	Account number to which the service item is linked
	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.
	Valid values:
	Last Business Day
	Prior Last Business Day
	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.
	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.



	Possible values: <ul> <li>RTGS</li> <li>TIPS</li> <li>T2S</li> </ul> This field is mandatory.
Charged party BIC and name	BIC and name of the party to be charged 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. This field is optional.
Originator party BIC and name	BIC and name of the party originating the charge 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. This field is optional.
Account number	Account number to which the service item is linked This field is optional.

Table 18 - BIL04 - Prompt description - Dynamic



min												
tar	get				BIL04 - De	tailed cor	sumption				DEV - Development	2021-0 10:3
CBXXKMD0	XXX - Central Bank of	of Fiction									Dev - Development	and integra
Filters Date	From: 2018-12-17 To : 2018-12-17 vice : RTGS											
Date: 201	8-12-17											
Service	Charged party BIC	Charged party name	Charged party type	Account number	Responsible party BIC	Responsible party name	Originator party BIC	Originator party name	Service item category	Service item code	Service item description	Quantity
RTGS	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	MACASHPBAAKMD0XXXEUR0A01	CBXXKMD0XXX	Central Bank of Fiction	PBAAKMD0XXX	Banco de Isthmus	Information Services	5002	Fixed fee - RTGS account	1
RTGS	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	MACASHPBAAKMD0XXXEUR0A01	CBXXKMD0XXX	Central Bank of Fiction	PBAAKMD0XXX	Banco de Isthmus	Account Management Services	5002	Fixed fee - RTGS account	1
RTGS	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	MACASHPBAAKMD0XXXEUR0A01	CBXXKMD0XXX	Central Bank of Fiction	PBAAKMD0XXX	Banco de Isthmus	Account Management Services	5002	Fixed fee - RTGS account	14
RTGS	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	MACASHPBAAKMD0XXXEUR0A01	CBXXKMD0XXX	Central Bank of Fiction	PBAAKMD0XXX	Banco de Isthmus	Information Services	5004	Adressable BIC – Correspondent	14
RTGS	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	MACASHPBAAKMD0XXXEUR0A01	CBXXKMD0XXX	Central Bank of Fiction	PBAAKMD0XXX	Banco de Isthmus	Account Management Services	5004	RTGS AS cash transfer order	10
RTGS	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	MACASHPBAAKMD0XXXEUR0A01	CBXXKMD0XXX	Central Bank of Fiction	PBAAKMD0XXX	Banco de Isthmus	Account Management Services	5004	RTGS AS cash transfer order	6
RTGS	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	MACASHPBAAKMD0XXXEUR0A01	CBXXKMD0XXX	Central Bank of Fiction	PBAAKMD0XXX	Banco de Isthmus	Information Services	5005	Fee for unpublished BIC	1:
RTGS	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	MACASHPBAAKMD0XXXEUR0A01	CBXXKMD0XXX	Central Bank of Fiction	PBAAKMD0XXX	Banco de Isthmus	Account Management	5005	Adressable BIC – Correspondent	4

# Figure 207 - BIL04 Output

# Output description

BIL04 – Report description – output screen					
Field label	Description				
Date	Date, for which detailed consumption data are shown				
The following information is shown per	date within the chosen date range.				
Service	Service where the detailed consumption data are shown. Possible values: I RTGS I TIPS I 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:  Settlement Services (SETT)  Account Management Services (ACMS)  Information Services (INSV)
Service item code	Following service item codes are currently available: See BILL UDFS Annex I
Service item description	Following service item descriptions are currently available: See BILL UDFS Annex I
Quantity	Number of the service items counted

Table 19 - BIL04 - Output description

# 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]



Predefined reports Billing reports (BIL)

### Screenshot - prompt

on	Warehouse	BIL05 - Detailed participation	×
report with manual or dynamic Dates ** Manual  om ** Oct 16, 2023  T 25 T 25 T 25 T 25 T 175 T 25 T 2	Edit 🖾 🕓	v to ct ⊳ v C	
on	05 - Det	ailed participation	
on			
Artics       T2S       TPS       Biget all Deselect all       Keywords:       Select all Deselect all       No Results       No Results       Starts with any of these keywords ∨       Starts with any of these keywords ∨	e report with	manual or dynamic Dates : * Manual	~ Reprompt
T2S     TIPS     TIPS     Select all Osalect at     Nor Results     A Party BIC:     Starts with any of these keywords ✓     Case Insensitive     Select all Descention	rom	* Oct 16, 2023 💼 * Date To : * O	Dct 16, 2023
		RTGS	
Select al Deselect al Keywords Input Keywords here Select al No Results Starts with any of these keywords ~ Choices Choices Choices Choices Choices Choices Choices Choices		T2S	
Keywords     Choices:       Irepd: keywords here     →       Select all     →       No Results     ←       Starts with any of these keywords ∨     Select all Descented to the select all D		TIPS	
Keywords Choices: Input keywords here Q Select all No Benufus Starts with any of these keywords ∨ Choices:	9	:*	
Keywords Choices: Input keywords here Q Select all No Benufus Starts with any of these keywords ∨ Choices:			
Keywords Choices: Input keywords here Q Select all No Benufus Starts with any of these keywords ∨ Choices:			
Input keywords here Q States all → No Results ← States with any of these keywords ~ Case Insensitive Select all De		Select all Deselect all	a
A Pany BIC: Starts with any of these keywords ~ Case Insensitive Starts all Description			Choices:
A Party BIC: Starts with any of these keywords ~ Case Insensitive Select all De			$\rightarrow$
d Party BIC : Starts with any of these keywords ~ Stelect all De Select all De			$\leftarrow$
Starts with any of these keywords ~ Steet all De Select all De		No Results	
Starts with any of these keywords ~ Steet all De Select all De			
Starts with any of these keywords ~ Steet all De Select all De			
Case Insensitive Select all De	ed Party BIC		
Case Insensitive Select all De			
Case Insensitive Select all De			
Case Insensitive Select all De			
Case Insensitive Select all De			
Cancel		Case Insensitive	Select all Deselect a
			Cancel Finish

# Figure 208 - BIL05 prompt - Manual

Data Warehouse	🖺 BIL05 - Detailed participation 🖌		Q Search content	: Q
Edit 🖾 🗸				\ \ \ \
BIL05 - Det	ailed participation			
Run the report with	manual or dynamic Dates :* Dynamic	✓ Reprompt		
Reference Date	* Last Business Date ~			
Time Range	* Reference Date			
	RTGS			
	□ T2S			
	TIPS			
Service	*			
	Input keywords here Q Select all No Results			
Charged Party BIC				
	Starts with any of these keywords $\sim$			
	Case Insensitive	Select all Deselect all Cancel Finish		
		Cancer		

#### Figure 209 - 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.
	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.
	This field is mandatory.
Service	Service for which the data shall be displayed.
	Possible values:
	I RTGS
	I TIPS
	I T2S
	This field is mandatory.
Charged party BIC and name	BIC and name of the party to be charged
	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.
	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. Valid values:
	Last Business Day     Prior Last Business Day
	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. 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. Possible values: I RTGS I TIPS I T2S This field is mandatory.
Charged party BIC and name	BIC and name of the party to be charged 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. This field is optional.

Table 21 - BIL05 - Prompt description - Dynamic

tar	get				BIL05	- Detailed participation		
BXXKMD	0XXX - Central Bank of	of Fiction						DEV - Development an
	te From : 2018-12-18 te To : 2018-12-18	Service : RT(	35					
Service	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	PBAAKMD0XXX	Banco de Isthmus	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	924	990	1,056
RTGS	PBABKMD0XXX	Gringotts Bank	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	792	858	924
RTGS	PBACKMD0XXX	Iron Banks of Braavos	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	286	308	330
RTGS	PBADKMD0XXX	Banque Mammon	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	330	352	374
RTGS	PBAFKMD0XXX	Dagobert Duck Thrift	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	418	440	462
RTGS	PBAGKMD0XXX	Woodgrove Bank	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	462	484	506
RTGS	PBAHKMD0XXX	Goliath National Bank Ltd	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	506	528	550
RTGS	PBBAKMD0XXX	Tellson's Mutual	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	550	572	594
RTGS	PBBBKMD0XXX	Banca de Bondi	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	594	616	638
RTGS	PBBCKMD0XXX	Fidelity Savings & Trust	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	638	660	682
RTGS	PBBEKMD0XXX	Banco di San Giorgio	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	2,244	2,310	2,376
RTGS	PBBHKMD0XXX	Monte Pio	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	1,738	1,782	1,826
RTGS	PBMFKMD0XXX	Par ò Six Ouvert Bank	Payment Bank	CBXXKMD0XXX	Central Bank of Fiction	198	220	242

Figure 210 - BIL05 Output



# **Output description**

BIL05 – Report description – output	screen
Field label	Description
Service	Service where the detailed consumption data are shown. Possible values:
	RTGS
	I TIPS
	I 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

# 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]

=	Data Warehouse 🔯 BIL06 - PDF invoice	list 🗸
	● Edit 🖹 > ↔ ↔ ▷ > ♂	
	BIL06 - PDF invoice list	
	Date From * 1 Apr 2023 Dat	e To : * 30 Apr 2023
	Service * T2S	
	Keywords:	Choices:
	Input keywords here Q	→
	No Results	<i>←</i>
	Starts with any of these keywords ~ Case insensitive	Select all Deselect all Cancel Finish

# Screenshot - prompt

# Figure 211 - BIL06\_Prompt

# Prompt description

BIL06 – Report description – prompt screen	
Field label	Description
Service	Service for which the available PDF invoices shall be displayed.
	Possible values:
	I RTGS
	I TIPS
	I T2S



	ECMS
Date from	You can select the date by clicking on the calendar.
	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. This field is mandatory.
Party BIC	BIC of the party, for which PDF invoices should be shown 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.
	This field is optional.

Table 23 - BIL06 - Prompt description

	Data Wai	rehouse	🛱 BILO6 - P	DF invoice list 🗸 🗸				Q Search content	:	\$ \$
E.	C Edit			C					:	√ Filters
	÷									
	tar	get			BIL06 - F	PDF invo	oice list			2023-07-26 16:26:13 IAC
	CBXXAQDO	XXX - CSLD B	BK QM DWH Test (	CB1						
	Filters Se	rvice : RTG		30 Apr 2023 BBK QM DWH Test CE	31-PB1					
	Service	Invoice date	Party BIC	Link to PDF invoice						
	RTGS	5 Apr 2023	PBAAAQD0XXX	Show PDF						
	RTGS	12 Apr 2023	PBAAAQD0XXX	Show PDF						
	RTGS	16 Apr 2023	PBAAAQD0XXX	Show PDF						
	RTGS	19 Apr 2023	PBAAAQD0XXX	Show PDF						

Figure 212 - BIL06\_Output



# **Output description**

BIL06 – Report description – output screen	
Field label	Description
Service	Service for which the invoice was generated.
	Possible values:
	I RTGS
	I TIPS
	I T2S
	I 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]

#### <u>Screenshot – prompt</u>

BPM01 – Business transaction pattern monitoring – Submission time on T2 opening days

	Year :*	Please select a ye	ear	$\sim$	
Investigation date	Month :*			~	
	Date :*			~	
Use default referen	ce period : *	NO		~	Apply
Pe	eriod from : *	Feb 28, 2022			
Pe	eriod to 📑 *	May 29, 2024	<b>.</b>		
		Cancel		Finish	

Figure 213 - BPM01 - Prompt screen "no"



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

	Year :*	2022	~	
Investigation date	Month :*	2022 - NOV	~	
	Date :*	Nov 30, 2022	~	
Use default referen	ce period : *	YES	~	Apply
		Cancel Fin	ish	

Figure 214 - BPM01 - Prompt screen "yes"

eywords:		
Input keywords he	re	Q
	No Results	
1859 DA 8597 BB	these keywords	~

### Figure 215 - BPM01 Prompt screen operator user



# Prompt description

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. 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. 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".         Period from       When "Use default reference period" is "No":         Period from       When "Use default reference period" is "No":         Period from       When "Use default reference period" is "No":         Period to       When "Use default reference period" is "No":         Period to       When "Use default reference period" is "No":         Period to       When "Use default reference period" is "No":         Period to       When "Use default reference period" is "No":         Period to       When "Use default reference period" is "No":         Period to       When "Use default reference period" is "No":         Period to       When "Use default reference period" is "No":         Period to       When "Use default reference period" is "No":         Period to       This field is mandatory.	BPM01 – Report description – prompt screen	
Index of any date within the last 10 years.Use default reference periodThe default reference period spans 2 years in the past calculated from the day prior to the investigation date.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".Period fromYes (default) i No This field is mandatory.Period fromWhen "Use default reference period" is "No": Date picker to select the start of the user-defined reference period. (Must be earlier than the date selected in "Period to") Hidden if "Use default period" = Yes.Period toWhen "Use default reference period" is "No": Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to") Hidden if "Use default reference period" is "No": Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to") Hidden if "Use default reference period" is "No": Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to") Hidden if "Use default period" = Yes.	Field label	Description
Use default reference period       The default reference period spans 2 years in the past calculated from the day prior to the investigation date.         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".         Possible values:       I Yes (default)         I No       This field is mandatory.         Period from       When "Use default reference period" is "No":         Date picker to select the start of the user-defined reference period to".         Period to       When "Use default reference period" is "No":         Date picker to select the start of the user-defined reference period to".         Period to       When "Use default reference period" is "No":         Date picker to select the start of the user-defined reference period to".         Plot b       When "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period to ".         Period to       When "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period to".         When "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period to".         "Use default period" = Yes.         "Use default period" = Yes.	Investigation date:	
calculated from the day prior to the investigation date.         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".         Possible values:       I Yes (default)         I No       This field is mandatory.         Period from       When "Use default reference period" is "No":         Date picker to select the start of the user-defined reference period. (Must be earlier than the date selected in "Period to")         Hidden if       "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to")         Hidden if       "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to")         Hidden if       "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to")         Hidden if       "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to")         Hidden if       "Use default period" = Yes.		This field is mandatory.
value "No" has to be chosen and a user-defined period has to be selected in the prompt fields "Period from" and "Period to".         Possible values:         I Yes (default)         I No         This field is mandatory.         Period from         When "Use default reference period" is "No":         Date picker to select the start of the user-defined reference period. (Must be earlier than the date selected in "Period to")         Hidden if         "Use default period" = Yes.         This field is mandatory.         Period to         When "Use default period" = Yes.         This field is mandatory.         Period to         When "Use default period" = Yes.         This field is mandatory.         Period to         When "Use default period" = Yes.         This field is mandatory.         Period to         When "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to")         Hidden if         "Use default period" = Yes.         Hidden if         "Use default period" = Yes.	Use default reference period	
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INoPeriod fromWhen "Use default reference period" is "No": Date picker to select the start of the user-defined reference period. (Must be earlier than the date selected in "Period to") 		Possible values:
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"Use default period" = Yes. This field is mandatory. Period to When "Use default reference period" is "No": Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to") Hidden if "Use default period" = Yes.		period. (Must be earlier than the date selected in "Period
Period to       When "Use default reference period" is "No":         Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to")         Hidden if         "Use default period" = Yes.		Hidden if
Period to When "Use default reference period" is "No": Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to") Hidden if "Use default period" = Yes.		"Use default period" = Yes.
Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to") Hidden if "Use default period" = Yes.		This field is mandatory.
period. (Must be earlier than the date selected in "Period to") Hidden if "Use default period" = Yes.	Period to	When "Use default reference period" is "No":
"Use default period" = Yes.		period. (Must be earlier than the date selected in "Period
		Hidden if
This field is mandatory.		"Use default period" = Yes.
		This field is mandatory.

Table 25 - BPM01 – Prompt description



Business transaction pattern monitoring (BPM)

Business	Entry	Cash account	Cash account	Cash account	Party		Time	Interval		Volume			Value	
Day	Date (ESMIG)	holder BIC	number	holder name	type	Currency	from	to	Threshold	at Feb 14, 2024	Volume exceeded (Y/N)	Threshold	at Feb 14, 2024	Value exceeded (Y
2024-02-	2024-02-	PBAAAQD0XXX	RTGSDCPBAAAQD0XXXEUR0A01	CSLD BBK QM DWH Test CB1-PB1	PMBK	EUR	14:00:00.000	14:59:59.999	10	11	Y	11,331,361.80	11,332,698.80	
2024-02-	2024-02-	PBAAAQD0XXX	RTGSDCPBAAAQD0XXXEUR0A01	CSLD BBK QM DWH Test CB1-PB1	PMBK	EUR	15:00:00.000	15:59:59.999	10	11	Y	2,266,336.36	665,177.05	
2024-02-	2024-02-	PBAAAQD0XXX	RTGSDCPBAAAQD0XXXEUR0A01	CSLD BBK QM DWH Test CB1-PB1	PMBK	EUR	16:00:00.000	16:59:59.999	0	1	Y	0.00	0.41	
2024-02- 14	2024-02- 14	PBAAAQD0XXX	RTGSDCPBAAAQD0XXXEUR0A02	CSLD BBK QM DWH Test CB1-PB1	PMBK	EUR	15:00:00.000	15:59:59.999	0	5	Y	0.00	332,633.46	
2024-02- 14	2024-02- 14	PBABAQD0XXX	RTGSDCPBABAQD0XXXEUR0A01	CSLD BBK QM DWH Test CB1-PB2	PMBK	EUR	14:00:00.000	14:59:59.999	8	11	Y	9,065,085.44	12,464,199.98	
2024-02-	2024-02- 14	PBABAQD0XXX	RTGSDCPBABAQD0XXXEUR0A01	CSLD BBK QM DWH Test CB1-PB2	PMBK	EUR	15:00:00.000	15:59:59.999	0	3	Y	0.00	2,265,997.54	
2024-02- 14	2024-02- 14	PBAFAQD0XXX	RTGSDCPBAFAQD0XXXEUR0A07	CSLD BBK QM DWH Test CB1-PB6	PMBK	EUR	14:00:00.000	14:59:59.999	0	2	Y	0.00	0.38	
2024-02-	2024-02- 14	PBAFAQD0XXX	RTGSDCPBAFAQD0XXXEUR0A08	CSLD BBK QM DWH Test CB1-PB6	PMBK	EUR	14:00:00.000	14:59:59.999	0	2	Y	0.00	2,266,106.36	
2024-02- 14	2024-02- 14	PBAHAQD0XXX	RTGSDCPBAHAQD0XXXEUR0A02	CSLD BBK QM DWH Test CB1-PB8	PMBK	EUR	15:00:00.000	15:59:59.999	0	1	Y	0.00	0.63	
2024-02- 14	2024-02- 14	PBAJAQD0XXX	RTGSDCPBAJAQD0XXXEUR0A01	CSLD BBK QM DWH Test CB1-PB10	PMBK	EUR	15:00:00.000	15:59:59.999	0	1	Y	0.00	1,337.00	
2024-02- 14	2024-02- 14	PBAJAQD0XXX	RTGSDCPBAJAQD0XXXEUR0A08	CSLD BBK QM DWH Test CB1-PB10	PMBK	EUR	14:00:00.000	14:59:59.999	0	3	Y	0.00	3,399,024.54	
2024-02- 14	2024-02-	PBAJAQD0XXX	RTGSDCPBAJAQD0XXXEUR0A08	CSLD BBK QM DWH Test CB1-PB10	PMBK	EUR	15:00:00.000	15:59:59.999	0	3	Y	0.00	3,398,964.54	
2024-02- 14	2024-02- 14	PBAJAQD0XXX	RTGSDCPBAJAQD0XXXEUR0A09	CSLD BBK QM DWH Test CB1-PB10	PMBK	EUR	14:00:00.000	14:59:59.999	0	8	Y	0.00	9,064,665.44	
14	14			lest CB1-PB10										

# Figure 216 - BPM01 Output

# Output description

BPM01 – Report description – output	
Field label	Description
Investigation date	The date selected for running the investigation
Reference period	Selected reference period. Shown as date from – date to
Business day	The business day on which the business transaction was settled.
Entry Date from 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. Possible values: I NCBK I PMBK I ANSY
Currency	Currency of the cash account
"Time interval"	
From	Start time of the hour interval
То	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=""></investigation>	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=""></investigation>	Value of instructions settled on the cash account
Value exceeded (Y/N)	In case of "Y", value exceeds the threshold, else "N"

Table 26 - 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).

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

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

	Year :*	Please select a ye	ar	~	
Investigation date	Month :*			$\sim$	
	Date :*			$\sim$	
Use default referen	ce period : *	NO		~	Apply
Pe	eriod from : *	May 29, 2024	<b>.</b>		
Pe	eriod to :*	May 29, 2024	-		
		Cancel	Finis	h	

#### Figure 217 - BPM02 Prompt screen "no"



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

	Year :*	Please select a year	~	
Investigation date	Month :*		$\sim$	
	Date :*		$\mathbf{v}$	
Use default referen	ce period : *	YES	~	Apply
		Cancel Finis	h	

Figure 218 - BPM02 Prompt screen "yes"

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

1	Input keywords he	ere			C
			No Rest	ilts	
3 BIC : *					
	Starts with any of	these keyword	ds		 
	Starts with any of Case Insensiti	\$18	ds		ρ

#### Figure 219 - BPM02 Prompt screen operator user

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.
	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.
	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".
	Possible values:
	Ves (default)
	I No
	This field is mandatory.
Period from	When "Use default reference period" is "No":
	Date picker to select the start of the user-defined reference
	period. (Must be earlier than the date selected in "Period
	to")
	Hidden if
	"Use default period" = Yes.
	This field is mandatory.
Period to	When "Use default reference period" is "No":
	Date picker to select the end of the user-defined reference period. (Must be earlier than the date selected in "Period to")
	Hidden if
	"Use default period" = Yes.
	This field is mandatory.

Table 27 - BPM02 - Prompt description



Data Wareh	nouse	🖹 BPM02 - Br	usi T2 closing days 🗸 🗸								BPM02			: Q
🗩 Edit	<b>B</b> × 5	c Þ C	HTML											: 💎 Filt
<b>₽</b>														
tarc	et	B	PM02 - Business tr	ansaction pa	ttern	monit	oring - S	Submiss	ion tin	ne on T2	closing d	ays		2024-0 8:5
-	services						-						IAC - Internal L	Jser Acceptance
		BK QM DWH Test	CB1											
Filters Defau	XX - CSLD BI tigation date alt reference p rence period	: 2024-02-15 eriod : YES	2-15 to 2024-02-14											
Filters Defau	tigation date ult reference p	: 2024-02-15 eriod : YES		Cash account	Party		Time ii	nterval		Volume			Value	
Filters Refer	tigation date ult reference p rence period	: 2024-02-15 eriod : YES : from 2022-0	2-15 to 2024-02-14	Cash account holder name	Party type	Currency	Time in from	nterval to	Threshold	Volume at 2024-02-15	Volume exceeded (Y/N)	Threshold	Value at 2024-02-15	Value exceer (Y/N)
Filters Defau Refer	tigation date ult reference p rence period Entry date	: 2024-02-15 leriod : YES : from 2022-0 Cash account	2-15 to 2024-02-14 Cash account			Currency			Threshold 0			Threshold 0.00		Value exceed (Y/N) Y

#### Figure 220 - BPM02 Output

# Output description

BPM02 – Report description – output screen	
Field label	Description
Investigation date	The date selected for running the investigation
Reference period	Selected reference period.
	Shown as date from – date to
Business day	The business day on which the business transaction was settled.
Entry Date from 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.
	Possible values:
	I NCBK
	І РМВК
	I ANSY
Currency	Currency of the cash account
"Time interval"	
From	Start time of the hour interval
То	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=""></investigation>	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=""></investigation>	Value of instructions settled on the cash account
Value exceeded (Y/N)	In case of "Y", value exceeds the threshold, else "N"
Table 28 - BBM02 - Output description	

 Table 28 - 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 transactions 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.

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

Investigation date :*	May 29, 2024	_
	Input keywords here	Q
	No Results	_
CB BIC :*		
	Starts with any of these keywo	ords ~
	Keywords: Input keywords here	Q
	No Results	
Cash account number :		
	Starts with any of these keywo	rds ~
	Case Insensitive	nish

# BPM03 - Business transaction pattern monitoring - New parties

Figure 221 - BPM03 Prompt screen



# Prompt description

BPM03 – Report description – prompt screen	
Field label	Description
Investigation date:	Date picker to select an investigation date. The date chosen can be the date of the last available data load or any date within the last 10 years. 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 mandatory.

#### Table 29 - BPM03 – Prompt description

#### Screenshot - output screen

Data Wareho	ise 📋 BPM03 - Busin	New parties 🗸 🗸															
C Edt	T S C D C HTM																
ф.																	
targ	Et				BP	M03 – Busi	ness trans	action patter	n monitoring	– New part	ies						2024-06
Inustic	L- CSLD 88K QM DWH Test CB1 ation date : 2024-02-09 ce period : from 2022-02-09 to 2024-	02-08															
Businese day	Cash account number	Cash account holder BIC	Instruction D	Sender BID	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	Utimate creditor BIC	ESMIG entry timestamp	Sattioment timestamp	Currency	Settlement
2024-02-09	RTGSDCPBAAAQD0XXXEUR0A01	PBAAAQDOXXX	B020813505549703	PBAAAQR001X	PEACAGROOSX	PBAAAQR001X	PEACAQRODSX				PBACAGRODEX	PBACAGDOXXX		2024-02-09 11:07:10:000		EUR	69.4

#### Figure 222 - BPM03 Output screen

# **Output description**

BPM03 – Report description – output screen	
Field label	Description
Investgation date	The date selected for running the investigation
Reference period	Default reference period. Shown as date from – date to
CB BIC	BIC-11 of the CB running the report
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 owner 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
Settlement timestamp	Settlement timestamp of the instruction
Currency	Currency of the instruction
Settlement amount	Amount of the instruction

Table 30 - BPM03 - Output description

# 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.

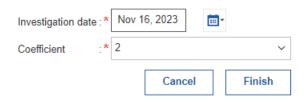
#### Report access

This report can be reached in the following way:

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

#### <u>Screenshot – prompt</u>

# **BPM04 – Business transaction pattern monitoring – Failed transactions**



### Figure 223 - BPM04 prompt

### Prompt description

BPM04 – Report description – promp	t screen
Field label	Description
Investigation date	Date picker to select an investigation date. This field is mandatory.
Coefficient	<ul> <li>Pull down list showing the exhaustive list of following values:</li> <li>1</li> <li>2 (default)</li> <li>3</li> <li>This field is mandatory</li> </ul>





targ	€t		BPM04 -	Busin	ess tra	nsacti	on pattern m	onitoring – F	ailed ti	ansactions			IAC -	2023-11 14:31 Internal User Acceptance
BXXAQD0XX	X - CSLD BBK QM	DWH Test CB1												
ilters Referen Coeffici CB BIC	ent : 2	10-19 021-10-19 to 2023-10-19 AQD0XXX - CSLD BBK QM DWH Test (	CB1											
Business	Cash account	Cash account	Cash account			R	lejected due to technical re	asons - Volume	F	Rejected due to lack of liq	uidity - Value	F	Rejected due to lack of liqu	idity - Volume
Day	holder BIC	holder name	number	Currency	Coefficient	Threshold	Volume onOct 19, 2023	Volume exceeded (Y/N)	Threshold	Value onOct 19, 2023	Value exceeded (Y/N)	Threshold	Volume onOct 19, 2023	Value exceeded (Y/N)
2023-10-19	PBAAAQD0XXX	CSLD BBK QM DWH Test CB1-PB1	RTGSDCPBAAAQD0XXXEUR0A01	EUR	2	0	2	Y	0	0	N	0	0	N
2023-10-19	PBAAAQD0XXX	CSLD BBK QM DWH Test CB1-PB1	RTGSDCPBAAAQD0XXXEUR0A02	EUR	2	0	1	Y	0	0	N	0	0	N
2023-10-19	PBABAQD0XXX	CSLD BBK QM DWH Test CB1-PB2	RTGSDCPBABAQD0XXXEUR0A01	EUR	2	0	2	Y	0	0	N	0	0	N
2023-10-19	PBAFAQD0XXX	CSLD BBK QM DWH Test CB1-PB6	RTGSDCPBAFAQD0XXXEUR0A08	EUR	2	0	1	Y	0	0	N	0	0	N
2023-10-19	PBAHAQD0XXX	CSLD BBK QM DWH Test CB1-PB8	RTGSDCPBAHAQD0XXXEUR0A02	EUR	2	0	0	N	0	0.63	Y	0	1	Y
2023-10-19	PBAJAQD0XXX	CSLD BBK QM DWH Test CB1-PB10	RTGSDCPBAJAQD0XXXEUR0A08	EUR	2	0	2	Y	0	0	N	0	0	N
2022 40 40	PRA IAOD0XXX	CSLD BBK QM DWH Test CB1-PB10	RTGSDCPBAJAQD0XXXEUR0A09	FUR	2	0	3	×	0	0	N	0	0	N

#### Figure 224 - BPM04 output

# Output description

BPM04 – Report description – output	it screen
Sheet 1	
Field label	Description
Business day	copy from investigation date
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
Rejected due to technical reasons –	Volume
Threshold	Threshold calculated from average, standard deviation and coefficient
Volume on <investigation date=""></investigation>	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 – Va	alue
Threshold	Threshold calculated from average, standard deviation and coefficient
Value on <investigation date=""></investigation>	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 – Vo	blume"
Threshold	Threshold calculated from average, standard deviation and coefficient
Volume on <investigation date=""></investigation>	Insert investigation date in placeholder
Volume exceeded (Y/N)	In case of "Y", volume exceeds the threshold, else "N"
Table 32 - BPM04 - Output description	n .

Table 32 - 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 screeen.

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

BPM05 – Business transaction pattern monitoring – Daily volumes and value	)
Investigation date : * May 29, 2024  Coefficient : * 2  Cancel Finish	

Figure 225 - BPM05 - prompt screen



Keywords:			
Input keywords here			Q
	No	Results	
e -			
Starts with any of these key	words		~

# value

#### Figure 226 - BPM05 - prompt screen operator user

### Prompt description

BPM05 – Report description – prompt screen	
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. This field is mandatory.
Coefficient	The coefficient can be changed and directly affects the threshold which decides whether an alarm is raised or not. 1 1 2 (default) 3 This field is mandatory

#### Table 33 - BPM05 - Prompt description



Data Wareho	use 📋	BPM05 - Business t and value 🗸 🗸																
Edit	<b>B - 5 c</b>	⊳ C HTML																
Ψ																		
targ	Et								BPM05 - 1	Busine	ss trans	action patte	rn mo	nitoring	– Daily volum	nes an	d value	
	X - CSLD BBK QM gation date : 2024-																	
Filters Refere		2022-02-14 to 2024-02-13																
Coeffic																		
Coeffic					_													
Coeffic	cash account	Cash account	Cash account	Cash account				Daily w	blume		Daily v	lue		easonally adjust			ieasonally adjust	
		Cash account holder name	Cash account number	Cash account holder party type	Currency	Coefficient	Threshold		Volume exceeded (Y/N)	Threshold		lue Value exceeded (Y/N)			ed total volume Volume exceeded (Y/N)			ed total value Value exceeded (Y

# Figure 227 - BPM05 - Output

# Output description

BPM05 – Report description – output screen	
Field label	Description
Investgation date	The date selected for running the investigation
Reference period	Default reference period.
	Shown as date from – date to
CB BIC	BIC-11 of the CB running the report
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 holder party type	Party type of the cash account holder.
	Possible values:
	I NCBK
	I PMBK
	I 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=""></investigation>	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=""></investigation>	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"	
Threshold	Threshold calculated from average, standard deviation and coefficient
Volume on <investigation date=""></investigation>	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=""></investigation>	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 34 - BPM05 - Output description	

 Table 34 - 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

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]

#### <u>Screenshot – prompt</u>

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

Investigation date	:*	May 2	9, 2024	<b>.</b>			
Coefficient	:*	2					
			Cancel		Finish		

Figure 228 - BPM06 - prompt screen



Keywords:				
Input keywords he	re		Q	
		No Results		
IC : *				
Starts with any of	these keywords		~	
Case Insensiti	ve			

# Figure 229 - BPM06 - prompt screen operator user

#### **Prompt description**

BPM06 – Report description – prompt screen	
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. This field is mandatory.
Coefficient	The coefficient can be changed and directly affects the threshold which decides whether an alarm is raised or not.  1 1 2 (default) 3 This field is mandatory.

# Table 35 - BPM06 - Prompt description



Data Ware	house	BPM06 - B	usi triggered BTPM 🛛 🗸									BPM06				Ļ
💽 Edit	<b>B v</b> 5 d	· > 0	, HTML												:	
am																
+																
targ	JEt		BPM06 - Business t	ransa	ction p	attern i	monito	ring - C	verv	view of ale	erts trig	gered	втрм			
	XXX - CSLD BBK Q	M DWH Test	CB1					-			_	-		IAC - I	nternal User A	Acce
	stigation date : 202															
	erence period : fron fficient : 2	n 2022-02-14	to 2024-02-13													
TCOE	ilicient . 2															
				Cash				Failed								
Business	Cash account	Cash account	Cash account	account		sion time ng days		time closing		transactions rejected due to	rejected du	insactions ie to lack of	Total	daily	Seasonal	lly ad y tota
		account			openin	ig aays	- u	.,.		technical reasons					any total	
day	holder BIC	holder	number	holder	Volume	Value	Volume	Value	New	Volume	Volume	Value	Volume	Value	Volume	
day	Holder Bio	name	number	party type	exceeded (Y/N)	exceeded (Y/N)	exceeded (Y/N)	exceeded (Y/N)	party (Y/N)	exceeded (Y/N)	exceeded (Y/N)	exceeded (Y/N)	exceeded (Y/N)	exceeded (Y/N)	exceeded (Y/N)	ex
2024-02-	PBAAAQD0XXX	CSLD BBK QM	RTGSDCPBAAAQD0XXXEUR0A01	PMBK	Y	Y	N	N	N	Y	N	N	N	N	N	
14		DWH Test CB1-PB1														
2024-02- 14	PBAAAQD0XXX	CSLD BBK QM	RTGSDCPBAAAQD0XXXEUR0A02	PMBK	Y	Y	N	N	N	Y	N	N	N	N	N	
14		DWH Test CB1-PB1														
2024-02-	PBABAQD0XXX	CSLD	RTGSDCPBABAQD0XXXEUR0A01	PMBK	Y	Y	N	N	N	N	N	N	N	N	N	-
14		BBK QM DWH Test CB1-PB2														
2024-02-	PBAFAQD0XXX	CSLD BBK QM	RTGSDCPBAFAQD0XXXEUR0A07	PMBK	Y	Y	N	N	Ν	N	N	N	Y	Y	Y	
14		DWH Test CB1-PB6														
2024-02-	PBAFAQD0XXX	CSLD BBK QM	RTGSDCPBAFAQD0XXXEUR0A08	PMBK	Y	Y	N	N	N	N	N	N	N	N	N	
		DWH Test CB1-PB6														
2024-02- 14	PBAHAQD0XXX	CSLD BBK QM DWH Test	RTGSDCPBAHAQD0XXXEUR0A02	PMBK	Y	Y	N	N	N	Y	N	N	N	N	N	
L		CB1-PB8														-
2024-02- 14	PBAJAQD0XXX	CSLD BBK QM DWH Test CB1-PB10	RTGSDCPBAJAQD0XXXEUR0A01	PMBK	Y	Y	N	N	N	Y	N	N	N	N	N	
2024-02-	PBAJAQD0XXX	CSLD	RTGSDCPBAJAQD0XXXEUR0A08	PMBK	Y	Y	N	N	N	Y	N	N	N	N	N	+
14		BBK QM DWH Test CB1-PB10														
2024-02-	PBAJAQD0XXX	CSLD	RTGSDCPBAJAQD0XXXEUR0A09	PMBK	Y	Y	N	N	N	Y	N	N	N	N	N	$\square$
14		BBK QM DWH Test CB1-PB10														

### Figure 230 - BPM06 - Output

### **Output description**

BPM06 – Report description – output screen	
Field label	Description
Investigation date	The date selected for running the investigation
Reference period	Default reference period.
	Shown as date from – date to.
Coefficient	As selected in the respective prompt field.
CB BIC	BIC-11 of the CB running the report
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.
	Possible values:
	I NCBK
	РМВК
	I 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"
Financial 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"
Financial 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"
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 36 - 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

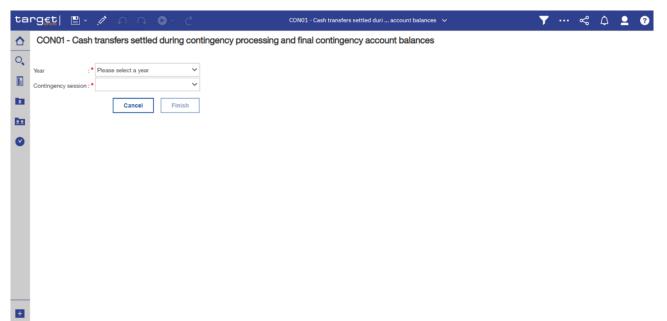


Figure 231 - CON1 prompt

#### 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. 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. This field is mandatory.

Table 37 - CON01 - Prompt description



# Screenshot - output screen

	1 . <i>1</i> 0	0 • • C				CON01 - Ca	sh transfers :	settled duri accou	nt balances 🗸	Y	~ 4	<b>•</b>
	of contingency acco	unts settlements during the continger	ncv proc	cedure and final	balances D	letails on conti	ngency cash	transfers settled				
<u> </u>			-				10 A					
target   CON01 - Cash transfers settled during contingency processing and final contingency account balances											DEV -	2022-01 9:44 - Developm
CBXXKMD0XXX -	Central Bank of Fic	tion					Jana 10 C					
Filters Year	: 2021											
Continger	ncy session : from 0	1-06 09:55:01 to 01-06 16:05:16										
	-	settlements during the contingency p 06 09:55:01 to 2021-01-06 16:05:16	rocedur	re and final balar	nces							
			lr	njection of drain	or liquidity							
Party BIC	Parent party BIC	Contigency account number	CB	T2S	TIPS	Total credit	Total debit	Session balance				
B50000010X	B50000006X	ECCA0untContingency	0.00	0.00	8,000,160.00	0.00	0.00	8,000,160.00				
B50000010X	B50000006X	TACCBACC	0.00	0.00	0.00	0.00	0.00	0.00				
B50000014X	B50000006X	ECCA2untContingency	0.00	8,000,224.00	0.00	0.00	0.00	8,000,224.00				
B50000014X	B50000006X	RTGSSBPBAAKEF0001EUR0001	0.00	0.00	0.00	0.00	0.00	0.00				
B50000015X	B50000006X	ECCA2untConTestUpdate	0.00	8,000,240.00	0.00	0.00	0.00	8,000,240.00				
B50000015X	B50000006X	RTGSSBPBAAKEF0002EUR0001	0.00	0.00	0.00	0.00	0.00	0.00				
B50000016X	B50000006X	ECCA2untContingency2	0.00	8,000,256.00	0.00	0.00	0.00	8,000,256.00				
B50000016X	B50000006X	RTGSSBPBAAKEF0003EUR0001	0.00	0.00	0.00	0.00	0.00	0.00				
B50000020X	B50000006X	ECCA0untConTestUpdate	0.00	0.00	8,000,320.00	0.00	0.00	8,000,320.00				
B50000020X	B50000006X	TACCCACC	0.00	0.00	0.00	0.00	0.00	0.00				
B50000030X	B50000006X	ECCA0untContingency2	0.00	0.00	8,000,480.00	0.00	0.00	8,000,480.00				
B50000030X	B50000006X	TACCDACC	0.00	0.00	0.00	0.00	0.00	0.00				
B50000034X	B50000006X	1914101496	0.00	0.00	0.00	0.00	0.00	0.00				
	B50000006X	ECCA3untContingency	0.00	8,000,544.00	0.00	0.00	0.00	8,000,544.00				
B50000034X							0.00					

Figure 232 - CON01 output (1) ("Synthesis of contingency accounts settlements during the contingency procedure and final balances")

<b>.</b>										
Synthesis	of contingency acco	unts settlements during the continger	ncy procedure and final b	alances Details on contingency cash tran	sfers settled					
targe	CON01 - Cash transfers settled during contingency processing and final contingency account balances									2022-01-3 9:44:3 DEV - Developme
CBXXKMD0XXX -	- Central Bank of Fic	tion								
Filters Year	: 2021									
Continger	ncy session : from 0	1-06 09:55:01 to 01-06 16:05:16								
Currency Details on conti	3: SE - ST 5000000 : EUR gency cash transfer ession from 2021-01-									
Party BIC	Parent party BIC	Contingency account number	Settlement timestamp	Counterpart contingency account number	Counterpart CB	Credit	Debit			
B500000010X	B50000006X	ECCA0untContingency	2021-01-06 10:00:01	TACCBACC	SE	0	0			
B500000010X	B50000006X	TACCBACC	2021-01-06 10:00:01	ECCADuntContingency	BED1	0	0			
B50000010X	B50000006X	TACCBACC	2021-01-06 10:00:06	ECCA1untContingency2	BED1	0	0			
B500000014X	B50000006X	ECCA2untContingency	2021-01-06 16:00:11	RTGSSBPBAAKEF0001EUR0001	SE	0	0			
B500000014X	B50000006X	RTGSSBPBAAKEF0001EUR0001	2021-01-06 16:00:11	ECCA2untContingency	BED1	0	0			
B50000015X	B50000006X	ECCA2untConTestUpdate	2021-01-06 16:00:12	RTGSSBPBAAKEF0002EUR0001	SE	0	0			
B50000015X	B50000006X	RTGSSBPBAAKEF0002EUR0001	2021-01-06 16:00:12	ECCA2untConTestUpdate	BED1	0	0			
B50000016X	B50000006X	ECCA2untContingency2	2021-01-06 16:00:13	RTGSSBPBAAKEF0003EUR0001	SE	0	0			
B50000016X	B50000006X	RTGSSBPBAAKEF0003EUR0001	2021-01-06 16:00:13	ECCA2untContingency2	BED1	0	0			
B50000020X	B50000006X	ECCA0untConTestUpdate	2021-01-06 10:00:02	TACCCACC	SE	0	0			
B50000020X	B50000006X	TACCCACC	2021-01-06 10:00:02	ECCA0untConTestUpdate	BED1	0	0			
B50000030X	B50000006X	ECCA0untContingency2	2021-01-06 10:00:03	TACCDACC	SE	0	0			
B50000030X	B50000006X	TACCDACC	2021-01-06 10:00:03	ECCA0untContingency2	BED1	0	0			
B50000034X	B50000006X	1914101496	2021-01-06 16:00:14	ECCA3untContingency	BED1	0	0			
B50000034X	B50000006X	ECCA3untContingency	2021-01-06 16:00:14	1914101496	SE	0	0			
B50000035X	B50000006X	ASTECHASACGHF0001EUR0002	2021-01-06 16:00:15	ECCA3untConTestUpdate	BED1	0	0			

#### Figure 233 - CON01 output (2) ("Details on contingency cash transfers settled")



# **Output description**

Sheet 1						
Field label	Description					
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. 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 - 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.					
Injection or drain of liquidity – 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.					
Injection or drain of liquidity - 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.					

Party BIC	BIC of the CB



Contingency account number	The contingency account number of the CB
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
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
Sheet 2	
Field label	Description
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
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
Depit	

# Table 38 - CON01 - Output description



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

#### Context of usage

This report provides the balance for each CB contingency account at the end of a contingency procedure. 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

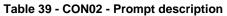
ta	rget  🖺 🗸 🖍 🗛 💿 - C	CON02 - Contingency proces account balances per CB 🗸 🗸	T	 %	۵	2	?
☆	CON02 - Contingency processing - end of procedure account	t balances per CB					
0,							
	Year :* Please select a year V						
b.	Contingency session : • v						
<b>6</b>	Cancel Finish						
0							
_							
+							

Figure 234 - 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. 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. This field is mandatory.				



# Screenshot - output screen

ta	rg <u>et</u>   📱	l 🖉 🌔	Q D.	Č,		CON02 - Conting	gency proces	account balanc	ces per CB 🗸 🗸		T	%	۵	<b>9</b>
♪	<b></b>													
0	targ	t co	N02 - C	Continge	ency proce	ssing – ei	nd of pro	ocedure	account b	alances	per CE	3	DEV -	2022-01-28 10:17:27 Development
	Filters Year :	- Central Bank of Fiction 2021												
	Session :	from 2021-01-06 09:55:	01 to 2021-01-	06 16:05:16		-								
•	Currency Contingency Se Central bank	EUR ession from 2021-01-06 ( Central bank liquidity	09:55:01 to 20	21-01-06 16:05 Debit	:16 Country balance	_								
۲	SE - Sweden		96,005,920		0									
÷														Page: 1 of ?
	-													

# Figure 235 - CON02 output (2)

# Output description

CON02 – Report description – output screen	
Field label	Description
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.
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 40 - 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.

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)
- I CTEH (CLM CB Technical Account Holder)
- CTRH (CLM Transit Account Holder)
- I CACH (CLM Account Holder)
- I 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 <u>DXE01 - party reference</u> <u>data file specification</u> [▶ 745].

# 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.

#### 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 <u>DXE02</u> - <u>Cash account</u> reference data file specification [▶ 746].



# 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

- I
   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.
- I
   For
   party
   aggregations:

   The party belongs to the data scope of the CB.
   aggregations:
- For

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.

all:



#### 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 <u>DXE03</u> - <u>Cash account</u> aggregation group file specification [▶ 750].

# 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:

[Team Content] >> [Predefined Reports] >> [DXE – Data Extraction Reports] >> [DXE04]



# Screenshot - prompt

=	Data Warehouse 📋 DXE04 – Cash Ac and Liquidity 🗸		Ф
	Edit > - C		
	DXE04 – Cash Account and Liquidity		
	Run the report with mianual or dynamic Dates :* Manual		
	Reference Date . + Oct 16, 2023		
	Cancel Finish		

Figure 236 - DXE04 prompt - Manual



Figure 237 - 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. Valid values: "Last Business Date" "Prior Last Business Date" The system will automatically calculate the end of the date	
Date Range	range based upon the date at the time of execution. Indicates the start-point of the date range for which the dynamic report should contain data. Valid values: "Month-to-Date" "Week-to-Date" "Reference Date" The system will automatically calculate the start of the date range based upon the date at the time of execution.	

# Table 41 - 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. Valid values: Last Business Day Prior Last Business Day	
	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.	
	The system will automatically calculate the start of the date range based upon the date at the time of execution.	

#### Table 42 - 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 <u>DXE04 - Cash account</u> balance and liquidity file specification [▶ 751].

# 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.

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 238 - DXE05 prompt - Manual



Predefined reports

Data extraction reports (DXE)

≡	Data Warehouse 🖻 DXE05 – Cash Transfer Orders 🗸	Q Search content	÷	¢	٨
G	Tedit D v C				
	➡				
	DXE05 – Cash Transfer Orders				
	Run the report with manual or dynamic Dates :* Dynamic  Reference Date :* Last Business Date  Time Range :* Reference Date  Cancel Finish				

# Figure 239 - 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. Valid values: "Month-to-Date" "Week-to-Date" "Reference Date" The system will automatically calculate the start of the date range based upon the date at the time of execution.	

Table 43 - 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. Valid values: I Last Business Day Prior Last Business Day	
	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. The system will automatically calculate the start of the date	
	range based upon the date at the time of execution.	

Table 44 - 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 <u>DXE05 - Cash transfers orders/cash transfer</u> file specification [▶ 756].

# 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.

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

≡	Data Warehouse 🗋 DXE06 – Business Day Event 🗸	Q Search content	:	¢	ጸ
Ē.	Edit D v C				
	DXE06 – Business Day Event				
	Run the report with manual or dynamic Dates :* Manual V Reprompt				
	Reference Date :* Oct 17, 2023				
	Cancel				

#### Figure 240 - DXE06 prompt - Manual

≡	Data Warehouse 🖹 DXE06 – Business Day Event 🗸	Q Search content	: ¢	۴
Ē.	C Edit > < C			
	DXE06 – Business Day Event			
	Run the report with manual or dynamic Dates : * Dynamic			
	Reference Date : * Last Business Date v			
	Time Range :* Reference Date ~			
	Cancel			

Figure 241 - 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. Valid values: "Last Business Date"		
	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. Valid values: "Month-to-Date" "Week-to-Date" "Reference Date" The system will automatically calculate the start of the date range based upon the date at the time of execution.		

## Table 45 - DXE06 - Prompt description - Manual

ion – prompt screen - Dynamic
Description
Indicates the end-point of the date range for which the dynamic report should contain data.
Valid values:
Last Business Day
Prior Last Business Day
The system will automatically calculate the end of the date range based upon the date at the time of execution.
Indicates the start-point of the date range for which the dynamic report should contain data.
The system will automatically calculate the start of the date range based upon the date at the time of execution.

#### Table 46 - 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 [> 768].

# 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.

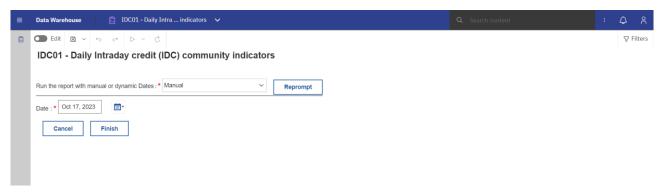
This report can be used by CB users only.

#### **Report access**

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [IDC – Intraday Credit Reports] >> [IDC01]

#### Screenshot - prompt



#### Figure 242 - IDC01 prompt - Manual



Predefined reports

Intraday credit reports (IDC)

=	Data Warehouse 🗋 IDC01 - Daily Intra indicators 🗸 Q. Search content :	٩	ጸ
4	C Edit B V  B C C IDC01 - Daily Intraday credit (IDC) community indicators Run the report with manual or dynamic Dates:* Dynamic V Reprompt Reference Date:* Last Business Date V	∆ t	Filters
	Cancel		

# Figure 243 - 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. For valid report results, the current day cannot be selected. This field is mandatory.		
Table 47 - IDC01 - Prompt description	,		

#### . .

IDC01 – Report description – prompt	: screen - Dynamic

Field label	Description
Reference Date	Reference Date for which the data shall be displayed.
	Possible values:
	Last Business Date
	Prior Last Business Date
	This field is mandatory.

Table 48 - IDC01 - Prompt description - Dynamic



# Screenshot - output screen

(-) IDC commu	nity indicators Evolution of								
targe		ators	DEV - Development and						
CBXXKMD0XXX - 0 Filters Date : 2018	Central Bank of Fiction								
for Currency Number of MCAs	with a credit line > 0 with a negative intraday bala	EUR 20	XKMD0XXX - Central	Bank of Fiction					
			Weighted average	Lowest community value	Timestamp	Highest community value	Timestamp		
Credit Line amou	nt		3,936,270,667.34	816,700,060.00	2018-12-14 19:51:02	8,400,254,108.00	2018-12-17 10:51:00		
IDC use value			172,770,905.98	0.00	2018-12-14 19:51:02	5,333,814,570.48	2018-12-17 07:51:15		
Queued cash tran	sfer orders for MCAs	Volume	6.15	0.00	2018-12-14 19:51:02	15.00	2018-12-17 13:55:02		
		Value	6,016,847.55	0.00	2018-12-14 19:51:02	17,390,000.00	2018-12-17 07:51:59		
Queued cash tran	sfer orders for RTGS DCAs	Volume	12,420.30	0.00	2018-12-14 19:51:02	31,664.00	2018-12-17 13:56:01		
		Value	9,302,954.73	0.00	2018-12-14 19:51:02	24,857,960.00	2018-12-17 07:53:01		

Figure 244 - IDC01 Output (1)

IDC community indicators Evolutio	of credit line parameters	2021-0
target	IDC01 - Daily Intraday credit (IDC) community indicators	DEV - Development and integr
CBXXKMD0XXX - Central Bank of Fiction		DET Detelopment and integr
	Evolution of daily credit line parameters at 2018-12-17	
10,000,000,000		
9,000,000,000		
8,000,000,000		
7,000,000,000		• • • •
6,000,000,000		
5.000.000.000		
4,000,000,000		
3,000,000,000		
2,000,000,000		
1,000,000,000		
0		
Starting of the starting of th		10 out of the second





# Output description

Description
Description
Number of all MCAs, which had a credit line > 0 at least once during the selected date.
Number of those MCAs that had a negative account balance at least once during the selected date.
Amount of credit line
Weighted average of the credit line amount (Time based on a minute-level excluding the maintenance times during the business day)
Lowest community value of the credit line amount
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 of the credit line amount
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.
Total amount of intraday credit use
Weighted average of the IDC use value (Time based on a minute-level excluding the maintenance times during the business day).
Lowest community value of the IDC use
For lowest community level
Highest community level of the IDC used
For highest community level
Queued cash transfer orders for the default MCAs
Weighted average volume/value of queued cash transfer orders for the default MCAs in CLM
Lowest community volume/value of queued cash transfer orders for the default MCAs in CLM
For lowest community level



Timestamp	For highest community level
Queued cash transfer orders for RTGS DCAs 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
Graph 1	Evolution of daily credit line indicators Cartesian coordinate system, y-axis representing the amount, x-axis representing the time (hours of the business day)

## Table 49 - 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

≡	Data Warehouse 🔝 IDC02 - Credit da	ily reporting 🗸		: ¢	ని
Ē.		orting		⊽ Fi	ilters
	IDC02 - Credit line/IDC daily report Run the report with manual or dynamic Dates :* Mar Date :* Oct 17, 2023				
	Input keywords here				
	Party BIC :*				
	Starts with any of these keywords ~ Case Insensitive				
	Cancel Finish	]			ļ

Figure 246 - IDC02 prompt - Manual

Data Warehouse 🖹 IDC02 - Credit daily reporting 🗸	Q Search content : C	
C Edit B v ↔ ↔ ▷ ∨ ♂		⊽ Filt
IDC02 - Credit line/IDC daily reporting		
Run the report with manual or dynamic Dates : * Dynamic    Reprompt		
Reference Date :* Last Business Date		
Keywords:		
Input keywords here		
No Results		
Party BIC :*		
Starts with any of these keywords $\checkmark$		
<ul> <li>Case Insensitive</li> </ul>		
Cancel Finish		

# Figure 247 - 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. For valid report results, the current day cannot be selected. 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. This field is mandatory.			

#### Table 50 - IDC02 - Prompt description - Manual

# IDC02 – Report description – prompt screen - Dynamic

Field label	Description
Reference Date	Reference Date for which the data shall be displayed.
	Possible values:
	Last Business Date
	Prior Last Business Date
	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.
	This field is mandatory.

Table 51 - IDC02 - Prompt description - Dynamic



## Screenshot - output screen

Amount of	credit line	Amount of IDC us	sed Queueo	d cash transfer o	rders				
									2021-03
target IDC02 - Credit line/IDC daily reporting									11:2
CBXXKMD0	XXX - Centr	al Bank of Fiction							
Filters Date									
Part	ty BIC: PB/	ABKMD0XXX - Gring	otts Bank						
Amount of	credit line								
Time	band	Weighted average	Minima	Maxima	Standard deviation	Number of events			
19:30:00	06:59:59	4,375,000.00	2,500,000.00	6,000,000.00	66.87	4			
07:00:00	07:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0			
08:00:00	08:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0			
09:00:00	09:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0			
10:00:00	10:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0			
11:00:00	11:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0			
12:00:00	12:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0			
13:00:00	13:59:59	5,000,000.00	5,000,000.00		0.00	0			
14:00:00	14:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0			
15:00:00	15:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0			
16:00:00	16:59:59	5,000,000.00	2,500,000.00	7,500,000.00	0.00	0			
17:00:00	17:59:59	2,500,000.00	2,500,000.00	2,500,000.00	0.00	0			
18:00:00	18:59:59	2,500,000.00	2,500,000.00		0.00	0			
Total		4,554,597.70	2,500,000.00	7,500,000.00	591,092.03	4			

# Figure 248 - IDC02 output (1)

<b>.</b>							
Amount	f credit line	Amount of IDC us	sed Queu	ed cash transfe	r orders		
ten	get						C daily reporting
						10002-0	
CBXXKMD		al Bank of Fiction					
Filters Dat		3-12-17 \BKMD0XXX - Gring	otte Bank				
- 174	ty Dic. T Dr	BRMDOAAA - Ghingi	OLIS DAHK				
	IDC						
Amount of IDC used							
	band	Weighted average	Minima	Maxima	Standard deviation		
19:30:00	06:59:59 07:59:59	3,300,000.00	0.00	4,561,250.00	92.92	1,204	
07:00:00	07:59:59	200,000.00	50,000.00	250,000.00	0.26	15	
09:00:00	09:59:59	400,000.00	0.00	425,000.00	2.11	2	
10:00:00	10:59:59	960,000.00	72,500.00	1,000,000.00	53.61	189	
11:00:00	11:59:59	400,000.00	50.000.00	2.100.000.00	32.61	204	
12:00:00	12:59:59	875,000.00	100,000.00	2,750,000.00	0.49	30	
13:00:00	13:59:59	550.000.00	62,500.00	2,750,000.00	1.38	15	
14:00:00	14:59:59	400,000.00	0.00	500,000.00	0.11	3	
15:00:00	15:59:59	100,000.00	0.00	450,000.00	0.00	3	
	16:59:59	100,000.00	0.00	400,000.00	0.00	4	
16:00:00	17:59:59	100,000.00	0.00	350,000.00	0.00	2	
16:00:00 17:00:00		75,000.00	0.00	300,000.00	0.00	1	
	18:59:59		0.00	4,561,250.00	1,472,520.09	1,673	

#### Figure 249 - IDC02 output (2)



Predefined reports

Intraday credit reports (IDC)

Amount of	credit line	Amount of IDC	used Queued c	ash transfer o	orders				
tar	neti						Crodit lin	DC daily reporting	202
						IDC02		DC daily reporting	
		ral Bank of Fiction							
Filters Date Part	e : 2014 tyBIC:PB/	8-12-17 ABKMD0XXX - Gri	ngotts Bank						
Queued Ca	ash Transfer	Orders							
Time	band	Average volume	Weighted average	Minima	Maxima	Standard deviation	Number of events		
19:30:00	06:59:59	1,204	92,750.00	0.00	882,353.00	340.22	803		
07:00:00	07:59:59	29	14,600.00	13,645.00	17,176.00	4.61	30		
08:00:00	08:59:59	0	16,650.00	0.00	0.00	0.00	0		
09:00:00	09:59:59	37	18,750.00	17,523.00	22,059.00	3.52	38		
10:00:00	10:59:59	41	20,850.00	19,486.00	24,529.00	0.27	42		
11:00:00	11:59:59	45	22,900.00	21,402.00	26,941.00	4.45	46		
12:00:00	12:59:59	49	25,000.00	23,364.00	29,412.00	5.58	50		
13:00:00	13:59:59	54	27,100.00	25,327.00	31,882.00	0.40	55		
14:00:00	14:59:59	58	29,150.00	27,243.00	34,294.00	0.10	59		
15:00:00	15:59:59	0	0.00	0.00	0.00	0.00	63		
16:00:00	16:59:59	0	0.00	0.00	0.00	0.00	67		
17:00:00	17:59:59	0	0.00	0.00	0.00	0.00	71		
18:00:00	18:59:59	0	0.00	0.00	0.00	0.00	75		
Total		595.63	52,821.84	0.00	882,353.00	39,335.07	1,399		

# Figure 250 - IDC02 output (3)

# Output description

IDC02 – Report description – output screen						
Field label	Description					
Following details are available in separa	ate tables for:					
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 the amount of IDC used the sum of values of queued cash transfer orders for the time band					
Minima	Minimum of the credit line amount the amount of IDC used the sum of values of queued cash transfer orders for the time band					



Maxima	Maximum of
	the credit line amount
	I the amount of IDC used
	the sum of values of queued cash transfer orders
	for the time band
Standard deviation	Standard deviation of
	the credit line amount values
	the amounts of IDC used
	the sum of values of queued cash transfer orders
	I during the time band
Number of events	The number of
	I changes to the credit line
	changes to the account balance influencing the IDC use
	Queued cash transfers
	I during the time band

Table 52 - 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]

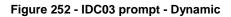


# Screenshot - prompt

≡	Data Warehouse 🖹 IDC03 - Credit (account level) 🗸			<b>Ф</b> 8						
Ē.	C Edit B × ↔ ↔ ▷ ∨ C			√ Filters						
	IDC03 - Credit line/IDC averages and maxima (account level)									
	Run the report with manual or dynamic Dates : * Manual V Reprompt									
	Date From : Oct 17, 2023									
	Keywords:									
	Input keywords here									
	No Results									
	Party BIC :*									
	Starts with any of these keywords ~									
	Case Insensitive									
	Cancel									

Figure 251 - IDC03 prompt - Manual

Data Warehouse	🔝 IDC03 - Credit (account level		Q Search content	: ¢
🖸 Edit 🖺 🗸	$\checkmark \circ \circ \lor \land \varsigma$			V
IDC03 - Cre	dit line/IDC averages and ma	ixima (account level)		
Run the report with	n manual or dynamic Dates : * Dynamic	~ Reprompt		
Reference Date : *	Last Business Date ~			
Time Range : *	Reference Date ~			
	Keywords:			
	Input keywords here			
	No Results			
	NO Results			
Party BIC :*				
	Starts with any of these keywords ~			
	Starts with any of these keywords			





# Prompt description

IDC03 – Report description –prompt screen - Manual					
Field label	Description				
Date From	You can select the date by clicking on the calendar.				
	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. 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 53 - 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. Valid values: I Last Business Day I Prior Last Business Day 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.
	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.
	This field is mandatory.

#### Table 54 - IDC03 - Prompt description - Dynamic



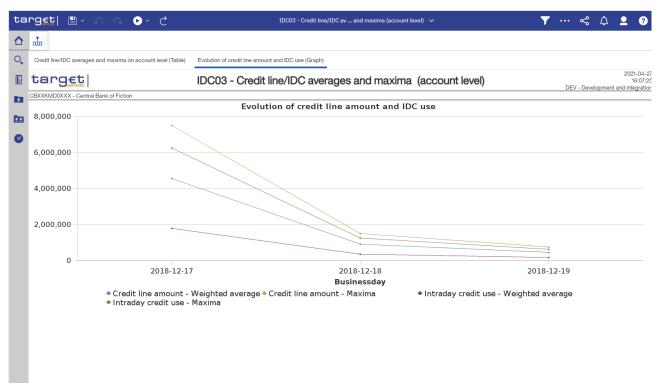
#### Screenshot - output screen

		~ Č			DC03 - Credit line/IDC av and maxima (account level) 🗸 🗸	▼ … ≪ ♪ ╹
<b>^</b>						
Credit line/IDC average	s and maxima on acc	ount level (Table	e) Evolution of cre	edit line amount	ind IDC use (Graph)	
target			IDC03 - C	redit line	/IDC averages and maxima (account level)	2021-0 16:0 DEV - Development and integr
CBXXKMD0XXX - Centra	al Bank of Fiction					p
Date From : 201 Filters Date To : 201						
	ABKMD0XXX - Gring	otts Bank				
Currency EUR						
Default MCA: MACASH	PBABKMDUXXXEUR	0A01 - EUR				
Credit line amount		Intraday cre	dit use			
Date	Weighted average	Maxima	Weighted average	Maxima		
2018-12-17	4,554,597.70	7,500,000.00	1,790,977.01	6,250,000.00		
2018-12-18	910,919.54	1,500,000.00	358,195.40	1,250,000.00		
2018-12-19	455,459.77	750,000.00	179,097.70	625,000.00		
Maximum over period	4,554,597.70	7,500,000.00	1,790,977.01	6,250,000.00		

Figure 253 - IDC03 output (1)



#### **Output Description**



#### Figure 254 - IDC03 output (2)

#### **Output description**

+

IDC03 – Report description – output screen						
Field label	Description					
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.					
Credit line amount:	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:	Maximum of the intraday credit line use at that day.
Maxima	
Maximum over period	Highest amount of the respective column.
Graph 1	Evolution of credit line amount and IDC use
	Cartesian coordinate system, y-axis representing the amount, x-axis representing the
	date.
	Show four lines in different colours representing the values in the table on previous
	page.

#### Table 55 - 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 255 - IDC04 prompt - Manual



Intraday credit reports (IDC)

■	Data Warehouse 📋 IDC04 - Credit line - IDC level) 🗸		¢	ዶ
Ē.			¶ Fi	ilters
	IDC04 - Credit line / IDC averages and maxima (community level)			
	Run the report with manual or dynamic Dates:* Dynamic v Reprompt			
	Reference Date :* Last Business Date V			
	Time Range :* Reference Date ~			
	Cancel Finish			

# Figure 256 - IDC04 prompt - Dynamic

# Prompt description

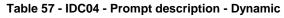
IDC04 – Report description – prompt screen - Manual	
Field label	Description
Date From	You can select the date by clicking on the calendar. This field is mandatory.
Date To	You can select the end date of the period, for which the report should contain the data by clicking on the calendar.
	For valid report results, the current day cannot be selected. This field is mandatory.

# Table 56 - IDC04 - Prompt description - Manual

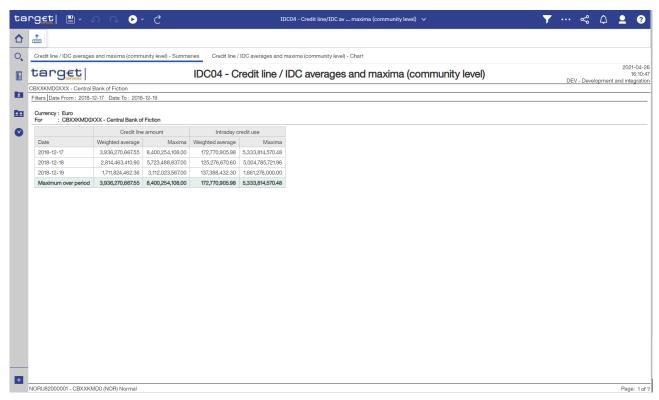


IDC04 – Report description – prompt screen - Dynamic	
Field label	Description
Reference Date	Indicates the end-point of the date range for which the dynamic report should contain data.
	Valid values:
	Last Business Day
	Prior Last Business Day
	The system will automatically calculate the end of the date 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.
	The system will automatically calculate the start of the date range based upon
	the date at the time of execution.

# IDC04 – Report description – prompt screen - Dynamic



#### Screenshot - output screen



#### Figure 257 - IDC04 output (1)



Predefined reports

Intraday credit reports (IDC)

<b></b>			
Credit line / IDC averages	and maxima (community level) - Summaries	Credit line / IDC averages and maxima (community level) - Chart	
target	IDC04	- Credit line / IDC averages and maxima (community leve	DEV - Developme
CBXXKMD0XXX - Central I	Bank of Fiction		BET Bereiopine
Filters Date From : 2018-1	2-17 Date To : 2018-12-19		
For : CBXXKMD0) Currency : Euro	XX - Central Bank of Fiction		
	Evo	lution of credit line amount and IDC use (community level)	
9000M -			
8000M -			
7000M -			
6000M -			
5000M -	•		
4000M -	•		
3000M -			
2000M			
1000M -			
	•		•
ом 🗕 📖	2018-12-17	2018-12-18	2018-12-19

# Figure 258 - IDC04 output (2)

# **Output description**

IDC04 – Report description – output screen						
Field label	Description					
Date	One line per business date within the chosen date range, sorted by date.					
Credit line amount:	Weighted average of the credit line amount of that day					
Weighted average	and					
	Weighted average of the intraday credit line use of that day.					
Credit line amount:	Maximum of the credit line amount at that day					
Maxima	and					
	Maximum of the intraday credit line use at that day.					
Intraday credit use:	Weighted average of the intraday credit line use of that day.					
Weighted average						

# IDC04 – Report description – output screen



Intraday credit use:	Maximum of the intraday credit line use at that day.
Maxima	
Maximum over period	Highest amount of the respective column.
Graph 1	"Evolution of credit line amount and IDC use (community level)"
	Cartesian coordinate system, y-axis representing the amount, x-axis representing the
	date.
	Show four lines in different colours representing the values in the table on previous
	page.

#### Table 58 - 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 users.

#### Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [IDC – Intraday Credit Reports] >> [IDC05]



#### Screenshot - prompt

=	Data Warehouse 📋 IDC05 - Maxi credit line used 🗸	Q Search content	۵	٨
8	Edit 🗎 V to ct D V C		₽ F	lters
	IDC05 - Maximum of credit line used			
	Run report for a specific Party BIC or for all parties.* For a specific Party BIC V Reprompt			
	Run the report with manual or dynamic Dates Manual Category Reprompt			
	Run report for a specific Party BIC			
	Date From * Oct 17, 2023			
	Input keywords here			
	Party BIC :*			
	Starts with any of these keywords $\checkmark$			
	Case Insensitive			

Figure 259 - IDC05 prompt (1) – For a specific party BIC – Manual

Data Warehouse 📋 IDC05 - Maxi credit line used 🗸		: Q
💶 Edit 🖺 🗸 🕤 🔿 ▷ 🗸 🖒		 ∏ Fil
IDC05 - Maximum of credit line used		
Run report for a specific Party BIC or for all parties .* For a specific Party BIC v	Reprompt	
Run the report with manual or dynamic Dates .* Dynamic	Reprompt	
Run report for a specific Party BIC		
Reference Date :* Last Business Date ~		
Time Range 🛛 * Reference Date 🗸		
Keywords: Input keywords here		
Party BIC :: *		
Starts with any of these keywords V		

#### Figure 260 - IDC05 prompt (2) - For a specific party BIC - Dynamic



Intraday credit reports (IDC)

=	🗏 Data Warehouse 🔛 IDC05 - Maxi credit line used 🗸 🗸			Q Search content	Q Search content i
E	Edit B ∨ ↔ ↔ ▷ ∨ C				
	IDC05 - Maximum of credit line used				
	Run report for a specific Party BIC or for all parties .* For all parties	Reprompt	l		
	Run the report with manual or dynamic Dates :* Manual ~				
			2	2	2
	Run report for all parties				
	Date :* Oct 17, 2023				
	Cancel Finish				

# Figure 261 - IDC05 prompt (3) - For all parties - Manual



#### Figure 262 - 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.				
	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.				
	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.				
	In case the party BIC is not selected, the report only shows results for one date				
	(the date selected under "Date from").				
	This field is optional.				
Table 59 - IDC05 - Prompt description	on - Manual				

Table 59 - IDC05 - Prompt description - Manual



Field label	Description
Reference Date	Indicates the end-point of the date range for which the dynamic report should contain data. Valid values: I Last Business Day I Prior Last Business Day 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. 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. In case the party BIC is not selected, the report only shows results for one date (the date selected under "Date from"). This field is optional.

# IDC05 – Report description –prompt screen - Dynamic

Table 60 - IDC05 - Prompt description - Dynamic



								~
targ	Et					I	IDC05 - Ma	m of credit line used
	X - Central Bank	of Fiction						DEV - Development and in
Date F	rom : 2017-12-17	Date To :2019						
Party E	BIC : PBABKMD	0XXX - Gringott	is Bank					
Default MC/	: MACASHPBA	BKMD0XXXEU	IROA01					
Currency	: EUR							
	Credit lin	ne armount	Acount	balance		Peak IDC	Cuse	
Date	at SoD	at EoD	at SoD	at EoD	Time	Amount	Credit line amount	
2018-12-17	5,000,000.00	6,000,000.00	250,000.00	100,000.00	02:37:47	4,561,250.00	6,000,000.00	
2018-12-18	3,000,000.00	4,000,000.00	50,000.00	20,000.00	02:38:47	912,250.00	1,200,000.00	
2018-12-19	1,000,000.00	2,000,000.00	25,000.00	10,000.00	02:39:47	456,125.00	600,000.00	

Figure 263 - IDC05 output (1) - A party was selected

		n u ⊳. Ç					mum of credit li				··· « 4 <b>1</b>
-	arget	1			IDC05 - N	<i>l</i> laximur	n of cred	it line	used		2021-03 13:2
CB	3XXKMD0XXX - Cer	tral Bank of Fiction									 DEV - Development and integra
_	iters Date From : 20										
	Currency : EUR										
				Credit lin	e amount	Account	t balance		Peak IDC	use	
	Party BIC	Party name	Default MCA	at SoD	at EoD	at SoD	at EoD	Time	Amount	Credit line amount	
	ASAAKMD0XXX	MetroCapital	MACASHASAAKMD0XXXEUR0A01	50,000,004.00	60,000,005.00	2,500,000.00	1,000,000.00	02:37:47	45,612,504.00	60,000,005.00	
	ASABKMD0XXX	Auslandskassenverein i.L.	MACADCASABKMD0XXXEURA01	6,000,004.00	7,000,005.00	300,000.00	120,000.00	02:37:47	5,473,504.00	7,200,005.00	
	ASACKMD0XXX	Discount Card	MACADCASACKMD001XXEURA01	5,000,004.00	6,000,005.00	250,000.00	100,000.00	02:37:47	4,561,254.00	6,000,005.00	
	PBAAKMD0XXX	Banco de Isthmus	MACASHPBAAKMD0XXXEUR0A01	500,000,004.00	600,000,005.00	0.00	10,000,000.00	02:37:47	456,125,004.00	600,000,005.00	
	PBABKMD0XXX	Gringotts Bank	MACASHPBABKMD0XXXEUR0A01	5,000,000.00	6,000,000.00	250,000.00	100,000.00	02:37:47	4,561,250.00	6,000,000.00	
	PBACKMD0XXX	Iron Banks of Braavos	MACASHPBACKMD0XXXEUR0A01	0.00	0.00	0.00	0.00	11:58:40	336,000.00	0.00	
	PBADKMD0XXX	Banque Mammon	MACASHPBADKMD0XXXEUR0A01	0.00	0.00	0.00	0.00	11:58:40	336,000.00	0.00	
	PBAEKMD0XXX	Bankhaus Goldscheider	MACASHPBAEKMD0XXXEUR0A01	8,500,004.00	9,500,005.00	425,000.00	170,000.00	02:37:47	7,754,129.00	10,200,005.00	
	PBAFKMD0XXX	Dagobert Duck Thrift	MACASHPBAFKMD0XXXEUR0A01	18,000,004.00	19,000,005.00	900,000.00	360,000.00	02:37:47	16,420,504.00	21,600,005.00	
	PBAGKMD0XXX	Woodgrove Bank	MACASHPBAGKMD0XXXEUR0A01	2,200,004.00	2,300,005.00	110,000.00	44,000.00	02:37:47	2,006,954.00	2,640,005.00	
	PBAHKMD0XXX	Goliath National Bank Ltd	MACASHPBAHKMD0XXXEUR0A01	12,000,000.00	13,000,000.00	600,000.00	240,000.00	02:37:47	10,947,000.00	14,400,000.00	
	PBBAKMD0XXX	Telison's Mutual	MACASHPBBAKMD0XXXEUR0A01	15,000,004.00	16,000,005.00	750,000.00	300,000.00	02:37:47	13,683,754.00	18,000,005.00	
	PBBBKMD0XXX	Banca de Bondi	MACASHPBBBKMD0XXXEUR0A01	46,000,004.00	45,000,005.00	2,300,000.00	920,000.00	02:37:47	41,963,504.00	55,200,005.00	
	PBBCKMD0XXX	Fidelity Savings & Trust	MACASHPBBCKMD0XXXEUR0A01	54,000,004.00	64,000,005.00	2,700,000.00	1,080,000.00	02:37:47	49,261,504.00	64,800,005.00	
	PBBDKMD0XXX	DGI Deutsche Global Invest	MACASHPBBDKMD0XXXEUR0A01	15,000,000.00	12,500,000.00	750,000.00	300,000.00	02:37:47	13,683,750.00	18,000,000.00	
	PBBEKMD0XXX	Banco di San Giorgio	MACASHPBBEKMD0XXXEUR0A01	5,000,004.00	6,000,005.00	250,000.00	100,000.00	02:37:47	4,561,254.00	6,000,005.00	
	PBBFKMD0XXX	Welser Venezuela Funding	MACASHPBBFKMD0XXXEUR0A01	6,000,004.00	7,000,005.00	300,000.00	120,000.00	02:37:47	5,473,504.00	7,200,005.00	
	PBBGKMD0XXX	Compagnie des Indes Occidentales	MACASHPBBGKMD0XXXEUR0A01	7,000,004.00	8,000,005.00	350,000.00	140,000.00	02:37:47	6,385,754.00	8,400,005.00	
	PBBHKMD0XXX	Monte Pio	MACASHPBBHKMD0XXXEUR0A01	8,000,004.00	9,000,005.00	400,000.00	160,000.00	02:37:47	7,298,004.00	9,600,005.00	
	PBMFKMD0XXX	Par ò Six Ouvert Bank	MACADCPBMFKMD0XXXEUR0A01	54,000,004.00	64,000,005.00	2,700,000.00	1,080,000.00	02:37:47	49,261,504.00	64,800,005.00	

Figure 264 - IDC05 output (2) - A party was not selected covering one day only



# **Output description**

IDC05 – Report description – o	output screen (a party was selected)
Field label	Description
Following details are available for	or:
Credit line amount / Account bal	ance
Date	One line per business date within the chosen date range, sorted by date
At SoD	Credit line amount at SoD
	and
	Account balance of the MCA at SoD
At EoD	Credit line amount at EoD
	and
	Account balance of the MCA at EoD
Following details are available for	or:
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;
	Marked with "-" in case the account balance remained positive throughout the day
Credit line amount	Credit line amount at that time;
	Marked with "-" in case the account balance remained positive throughout the day
IDC05 – Report description – o	output screen (a party was not selected covering one day only)
Field label	Description
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
Following details are available for	or:
Credit line amount /Account bala	ance
At SoD	Credit line amount at SoD
	and
	Account balance of the MCA at SoD



At EoD	Credit line amount at EoD and					
	Account balance of the MCA at EoD					
Following details are available for:						
Peak IDC use						
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; Marked with "—" in case the account balance remained positive throughout the day.					
Credit line amount	Credit line amount at that time; Marked with "—" in case the account balance remained positive throughout the day.					

#### Table 61 - 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

<b>• •</b>	··· ~ 4	IDC06 - Credit line and IDC use at system level $\checkmark$	rget  🗒 🗸 🖍 n n 🗣 🖸 d	te
			IDC06 - Credit line and IDC use at system level	≏
			Date From : • 22 Apr 2021 . Date To : • 22 Apr 2021 .	0
			Cancel Finish	
				Ē0
				ø
				<u>o</u>
				Ŧ
				2

# Figure 265 - IDC06 prompt

# Prompt description

IDC06 – Report description – promp	t screen
Field label	Description
Date From	You can select the date by clicking on the calendar. 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. This field is mandatory

# Table 62 - IDC06 - Prompt description



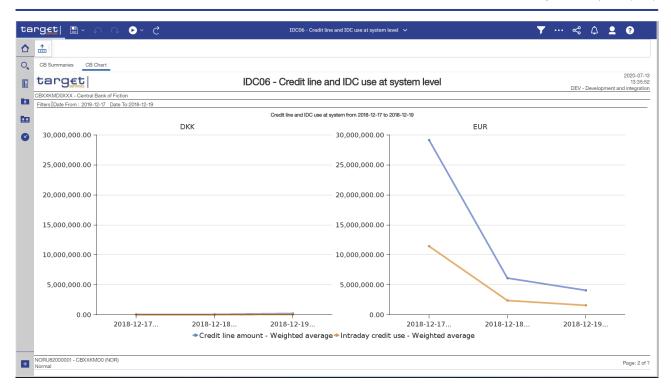
CB Summarie	es CB Char	t						
targ	EC		IDC06 - Cre	t line and IDC use at system level			DEV - De	20 evelop ir
	X - Central Bank							
Filters Date Fr	om : 2018-12-17	Date To:2018-12-19						
		Weighted average of	Weighted average of					
	Date		intraday credit line use					
Currency: Dk	ĸ							
	2018-12-17	91,091.95	35,819.54					
	2018-12-18	91,091.95	35,819.54					
	2018-12-19	227,729.89	89,548.85					
Currency: EU	R							
,	2018-12-17	29,177,179.92	11,473,096.26					
	2018-12-18	6,138,539.40	2,413,797.30					
	2018-12-19	4,102,422.48	1,613,135.67					

Figure 266 - IDC06 output (1)



Predefined reports

Intraday credit reports (IDC)



#### Figure 267 - IDC06 output (2)

### **Output description**

IDC06 – Report description – o	putput screen
Field label	Description
Currency	ISO currency code
Date	Business day as chosen in prompt screen.
	One line per business day within the date range.
Weighted average of credit line	The weighted average of credit line amounts for all parties within the system entity at
amount	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
credit line use	at the business day.
Graph 1	Credit line and IDC use at system level
	Cartesian coordinate system, y-axis representing the amount (value), x-axis
	representing the date (each business day within the selected date range)
	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 63 - 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

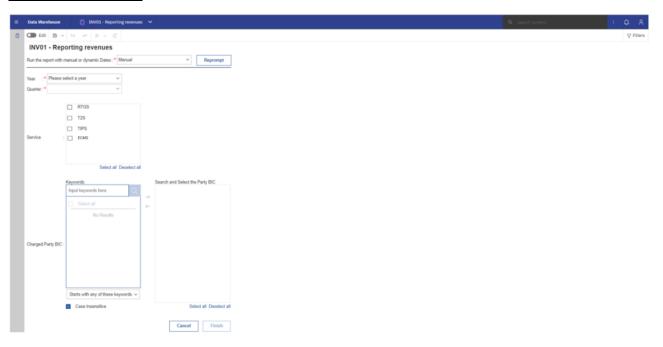


Figure 268 - INV01 prompt - Manual



Predefined reports Invoice Data (INV)

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ting revenues			
grotonaco			
ual or dynamic Dates : * Dynamic	~ Reprompt		
urrent Quarter 🗸			
RTGS			
T2S			
TIPS			
ECMS			
Select all Deselect all			
/words:	Search and Select the Party BIC		
put keywords here			
Select all			
No Results			
itarts with any of these keywords $ \backsim $			
Case Insensitive	Select all Deselect all		
	Intro Guarter V Intro S T2S T2S T3PS ECMS Select all Deselect all words: put keywords here Q Select all No Results No Results	ArtOS T25 T35 T95 ECMS Select all Develoct at mords pot keywords here pot keywords here Pot Results No Results Tata with any of these keywords ~	ArtOG T25 T25 T25 ECMS ECMS ECMS Select all Deselved at mode. Poterwords have Poterwords have Pot

# Figure 269 - 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.
	This field is mandatory
Service	Service for which the data shall be displayed.
	Possible values:
	I RTGS
	I TIPS
	I T2S
	I ECMS
	This field is optional
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.
	This field is optional.
Table 64 - INV01 - Prompt description	- Manual



INV01 – Report description –	prompt screen - Dynamic
Field label	Description
Reference Quarter	Reference Quarter for which the data shall be displayed.
	Possible values:
	Current Quarter
	Previous Quarter
	This field is mandatory.
Service	Service for which the data shall be displayed.
	Possible values:
	I RTGS
	I TIPS
	I T2S
	I ECMS
	This field is optional.
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.
	This field is optional.
Table 65 - INV01 - Prompt des	cription - Dynamic



target				INV01	- Repo	orting re	evenues	8				DEV - Develo	opment and					
BXXKMD0XXX - Centra	l Bank of																	
Filters Year : 2018 Quarter : 2018 Q	4	Service : RTGS																
Service: RTGS																		
		Service item				2018	October	2018	November	2018	December							
Category	Code	Description		Fe	e type	Volume	Value (EUR)	Volume	Value (EUR)	Volume	Value (EUR)							
Information Services	5012	RTGS AS cash transfer order		Fixed inde	ependent fe	es 271	813.9	1,887	5,662.35	678	2,034.27							
	5015	inter-banking group intra-component liquidity tr	ansfer order	Fixed inde	ependent fe	es 241	723.9	1,757	5,272.4	1,110	3,330.5							
	5016	Inter-banking group inter-component liquidity tr	ansfer order	Fixed inde	ependent fe	es 346	1,039.32	753	2,259.66	222	666.11							
Settlement Services	5002	Fixed fee - RTGS account		Fixed inde	ependent fe	es 552	552.15	2,312	2,312.17	1,642	1,642.07							
	5004	Adressable BIC – Correspondent		Fixed inde	ependent fe	is 449	449.22	1,214	1,214.18	234	234.02							
	5005	Fee for unpublished BIC		Fixed inde	ependent fe	es 455	455.39	2,298	2,298.51	463	463.06							
	5006	Fee for multi-addressee	Fixed independent fee		is 306	306.36	1,489	1,489.44	937	937.16								
	5007	Ancillary system - core fixed fee		Fixed independent fees Fixed independent fees		is 353	353.5	1,075	1,075.4	2,073	2,073.45							
	5008	Ancillary system – Fixed fee I				is 693	694.26	1,446	1,446.66	457	457.12							
	5009 Ancillary system – Fixed fee II			Fixed inde	ependent fe	es 252	252.56	1,457	1,457.77	678	678.21							
	5011	RTGS payment order		Fixed inde	ependent fe	es 345	345.88	2,328	2,329.44	914	914.32							
	5012	RTGS AS cash transfer order		Fixed inde	Fixed inde	Fixed independent fee	endent fees	pendent fe	pendent fe	pendent fee	is 392	393.17	1,444	1,444.99	917	917.36		
	5015	inter-banking group intra-component liquidity tr	ansfer order	Fixed inde	ependent fe	es 291	292	1,030	1,030.8	451	451.2							
	5016	Inter-banking group inter-component liquidity tr	ansfer order	Fixed inde	ependent fe	es 414	415.54	1,677	1,678.43	669	669.33							
					To	al 12,747	24,766.81	53,435	106,420.3	26,532	51,375.85							
			2018 0	October	2018 N	ovember	2018 Dec	cember										
			Volume	Value (EUR)	Volume	Value (EUR)	Volume Va	alue (EUR)										
		Overall Total	12,747	24,766.81	53,435	106,420.3	26,532	51,375.85										
		Overall Total	12,747	24,766.81	53,435	106,420.3	26,532	51,375.85										
COLUMN TWO IN THE																		

#### Figure 270 - 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 ever	y service chosen in the prompt screen
Service	The service, for which invoice data are displayed
	Possible values:
	I RTGS
	I TIPS
	I T2S
	I 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.



Service item category	Service item category
Service item code	Following service item codes are currently available: See BILL UDFS Annex I
Service item description	Following service item descriptions are currently available: See BILL UDFS Annex I
Fee type	Fee type
Volume	The quantity of the billable items for the service item having this fee type
	If there is no fee for this fee type, then 0 is displayed.
Value	The sum of amounts of the billable items for the service item having this fee type (VAT not included) The invoices are always in EUR.
	If there is no fee for this fee type, then 0 is displayed.
Total (Volume/Value)	Sum of the volumes/values within the month over all fee types
Overall total (Volume/Value)	Overall sum of the volumes/values within the month over all fee types and services

Table 66 - 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.

<u>Note:</u> 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.

#### Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [MIR - Minimum Reserve Reports] >> [MIR01]

#### Screenshot - prompt



Figure 271 - MIR01 prompt - Manual

Data Warehouse	🛗 MIR01 - Minimum inforr	mation 🗸		Q Search content	: ¢
💽 Edit 🗎	v ⇔ ⊳ v C				∇ F
MIR01 - Mi	nimum reserve informatio	n			
Run the report with	manual or dynamic Dates : * Dynamic	~ Reprompt			
Reference Period :	★ Current Maintenance Period ~				
	Keywords:	Search and Select the Party BIC			
	Input keywords here	$\rightarrow$			
	Select all	←			
	No Results				
Party BIC					
	Starts with any of these keywords $ \backsim $				
	Case Insensitive	Select all Deselect	all		
			Cancel Finish		

Figure 272 - 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.				
	This field is mandatory.				
Maintenance period	You can select the required maintenance period in this drop-down field. 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				
	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.				

#### Table 67 - MIR01 - Prompt description - Manual

# MIR01 – Report description – prompt screen - Dynamic

Field label	Description
Reference Period	Reference Period for which the data shall be displayed.
	Possible values:
	Current Maintenance Period
	Last Maintenance Period
	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.

#### Table 68 - MIR01 - Prompt description - Dynamic



	na information - P	ast maintenance periods List of int	interest and panals	rates											
inimom res	ave normation - P	ast maintenance periods Cost of Pro	erest and penalty	yrates											2021
arg	Et					1	MIR01 - M	linimum	reserve	infor	mation				a
XXKMD0XX	X - Central Bank of	Fiction													DEV - Development and inte
Year	: 2019	1													
Mainte	nance Period : 13th	Mar 2019 - 16th Apr 2019													
							Currency	: EUR	Countr	y Code: K	м				
			and the state				-				-	-	and the second	the state of the s	
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	amount	Excess reserve interest amount (non-exemption tier)	interest amount	MR calculated penalty amount 1 (single infringement)	MR calculated penalty amount 2 (repeated infringement)	
10018	ASAAKMDOXXX	MetroCapital	pool	PEBHKMDOXXX	1,790,000.00	1,790,000.00	1,790,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
11004	ASABKMD0XXX	Auslandskassenverein i.L.	indirect	PBABKMD0XXX	100,400,000.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
11005	ASACKMDOXXX	Discount Card	indirect	PBABKMD0XXX	100,500,000.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10002	PBAAKMDOXXX	Banco de Isthmus	direct	PBAAKMDOXXX	2,020,000.00	3,920,000.00	3,920,000.00	N/A	00.0	0.00	0.00	0.00	0.00	0.00	
10003	PBABKMD0XXX	Gringotts Bank	direct	PBABKMD0XXX	3,020,000.00	203,920,000.00	203,920,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10004	PBACKMD0XXX	Iron Banks of Braavos	direct	PBACKMD0XXX	4,020,000.00	4,020,000.00	4,020,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10005	PBADKMD0XXX	Banque Mammon	direct	PBADKMDOXXX	5,020,000.00	5,020,000.00	5,020,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10006	PBAEKMD0XXX	Bankhaus Goldscheider	indirect	PBAAKMDOXXX	600,000.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10007	PBAFKMD0XXX	Dagobert Duck Thrift	direct	PBAFKMD0XXX	7,020,000.00	7,020,000.00	7,020,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10008	PBAGKMDOXXX	Woodgrove Bank	direct	PBAGKMD0XXX	8,020,000.00	8,020,000.00	8,020,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10009	PBAHKMDOXXX	Goliath National Bank Ltd	direct	PBAHKMDOXXX	9,020,000.00	9,020,000.00	9,020,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10010	PBBAKMD0XXX	Tellson's Mutual	direct	PEBAKMDOXXX	10,020,000.00	10,020,000.00	10,020,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10011	PBBBKMD0XXX	Banca de Bondi	direct	PBBBKMD0XXX	11,020,000.00	11,020,000.00	11,020,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10012	PBBCKMD0XXX	Fidelity Savings & Trust	direct	PBBCKMD0XXX	12,020,000.00	12,020,000.00	12,020,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10013	PBBDKMD0XXX	DGI Deutsche Global invest	indirect	PBAAKMD0XXX	1,300,000.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10014	PBBEKMDOXXX	Banco di San Giorgio	pool	PBBEKMDOXXX	2,310,000.00	2,310,000.00	2,310,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10015	PBBFKMD0XXX	Welser Venezuela Funding	pool	PBBEKMDOXXX	2,310,000.00	2,310,000.00	2,310,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10016	PBBGKMDOXXX	Compagnie des Indes Occidentales	pool	PBBEKMDOXXX	2,310,000.00	2,310,000.00	2,310,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
10017	PBBHKMDOXXX	Monte Pio	pool	PEBHKMDOXXX	1,790,000.00	1,790,000.00	1,790,000.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	
11002	PBMFKMD0XXX	Par ò Six Ouvert Bank	direct	PBMFKMD0XXX	1.002.020.000.00	1,002,020,000.00	1,002,010,000.00	N/A	-10,000.00	0.00	0.00	0.00	0.00	0.00	

# Figure 273 - MIR01 output (1)

ן ב	<b></b>														
),	Minimum	eserve information -	Past maintenance perio	ds List of inte	rest and penalty rate	15									
3	tar	get		_		MIR01 -	- Minimum	reserve ir	nformati	ion				DEV - Devel	2021-03 07:53 opment and integra
	CBXXKMD0	KXX - Central Bank	of Fiction											DEVEDENCE	opriorit and integra
	Filters Year Main	: 20 tenance Period : 13	19 th Mar 2019 - 16th Apr 20	019											
	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	Interest amount		Excess reserve interest amount (exemption tier)	MR calculated penalty amount 1 (single infringement)	MR calculated penalty amount 2 (repeated infringement)
	11003	PBMFKME0XXX	Par ò Six Fermé Bank	direct	<b>PBMFKME0XXX</b>	1,003,020,000.00	1,003,020,000.00	1,003,010,000.00	N/A	-10,000.00	0.00	0.00	0.00	0.00	0.00

#### Figure 274 - MIR01 output (2)



Predefined reports

Minimum reserve reports (MIR)

Iminum reserve information - Past maintenance park       List of interest and panalty rates         Iminum reserve information       DeV-Development and the difference         Concrecty EBR Country Code KM       Concrecty FBR Country Code KM         Development and the information reserve information	31	rget  🗎 🗸 🎧 🕓 🕞 🗸	Ç	MIR01 - Minimum reserve information 🗸	▼··· ≪ △ 👤
MIR01 - Minimum reserve information         DEV - Development ar         CEXOM/X00XX - Central Bank of Fiction         Filters       Waintenance Period: 15th Mar 2019 - 16th Apr 2019         Currency EUR Country Code IOM         Calculation includes data until 2019-04-16 Number of calendar days in the MP 171 Menimum reserve inferent ata 1 (secongt time) - 0.00006 Excess reserve inferent ata 1 (secongt time) - 0.00006 Excess reserve inferent ata 1 (con-exempt time) - 0.00006 Excess reserve inferent ata 1 (con-exempt time) - 1.00006         Penalty rate 1 (indje infringerment) - 1.50006		<b>1</b>			
CBX00MD0XXX - Central Bank of Fiction         DEV - Development ar           Filters         Year         : 2019           Maintenance Period: : 10th Mar 2019 - 16th Apr 2019         Courtery Code IOM           Calculation includes data until         2019-04-16           Number of calendar days in the MP         17           Minimum server interest rate         -0.5000%           Excess mearve interest rate 1 (swompt tier)         -0.1000%           Excess mearve interest rate 2 (non-exempt tier)         -0.000%           Excess mearve interest rate 2 (non-exempt tier)         -0.000%           Penalty rate 1 (single infringement)         -1.5000%	Ī	Minimum reserve information – Past maintenance	ce periods	List of interest and penalty rates	
CBXMMMD0XXX - Central Bark of Fiction         Filters       Year       : 2019         Currency EUR       Country Code KM         Calculation includes data until       2019-04-16         Number of calendar days in the MP       17         Minimum reserve interest rate 1 (escengt tile)       -0.0000%         Excess reserve interest rate 1 (escengt tile)       -0.000%		target		MIR01 - Minimum reserve information	2021-( 07: DEV - Development and integ
Pitters       Maintenance Period: 13th Mar 2019 - 16th Apr 2019         Currency EUR       Country Code KM         Calculation includes data until       2019-04-16         Number of calendar days in the MP       17         Minimum reserve interest rate       0.05000%         Excess reserve interest rate 1 (swempt tier)       -0.1000%         Excess reserve interest rate 2 (non-exempt tier)       -0.000%         Persity rate (largie intringement)       -1.5000%	k	CBXXKMD0XXX - Central Bank of Fiction			DET Bereiepitienk and mog
Calculation includes data until     2019-04-16       Number of calendar days in the MP     17       Minimum reserve interest rate     -0.5000%       Excess reserve interest rate 1 (exempt tier)     -0.000%       Excess reserve interest rate 2 (non-exempt tier)     1.0000%       Excess reserve interest rate 2 (non-exempt tier)     6.00       Penalty rate 1 (single infringement)     -1.5000%			h Apr 2019		
Number of calendar days in the MP     17       Minimum reserve interest rate     -0.5000%       Excess reserve interest rate 1 (excempt ice)     -0.000%       Excess reserve interest rate 2 (non-exempt)     0.000%       Excess reserve womption factor     6.00       Penalty rate 1 (single infringement)     -1.5000%		Currency EUR Country Code KM			
Minimum reserve interest rate     -0.5000%       Excess reserve interest rate 1 (exempt tier)     -0.000%       Excess reserve interest rate 2 (non-exempt tier)     1.0000%       Excess reserve womption factor     6.00       Penaltyrate 1 (single infringement)     -1.5000%		Calculation includes data until	2019-04-16		
Excess reserve interest rate 1 (exempt tier)     -0.1000%       Excess reserve interest rate 2 (non-exempt tier)     -1.000%       Excess reserve exemption factor     6.00       Penalty rate 1 (angle infringement)     -1.500%		Number of calendar days in the MP	17		
Excess reserve interest rate 2 (non-exempt tier)     -1.0000%       Excess reserve exemption factor     6.00       Penalty rate 1 (single infringement)     -1.5000%		Minimum reserve interest rate	-0.5000%		
Excess reserve exemption factor 6.00 Penalty rate 1 (single infringement) -1.5000%		Excess reserve interest rate 1 (exempt tier)	-0.1000%		
Penalty rate 1 (single infringement) -1.5000%		Excess reserve interest rate 2 (non-exempt tier)	-1.0000%		
		Excess reserve exemption factor	6.00		
Penalty rate 2 (repeated infringement) -2.000%		Penalty rate 1 (single infringement)	-1.5000%		
		Penalty rate 2 (repeated infringement)	-2.0000%		
NORUR2000001 - CEXXXKVID0 (NOR) Normal					Page

# Figure 275 - MIR01 – Output (List of interest and penalty rates)

# Output description

# MIR01 – Report description – output screen – table minimum reserve information

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.
	Possible Values:
	I Direct
	I Indirect
	I 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.
Effective MR requirement	Amount of minimum reserve to be held effectively at the end of each day of the maintenance period.



	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. For parties with MR obligation "Indirect", the value is always 0 (zero) 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).
	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. 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). This field is only filled in case the chosen maintenance period is the currently running. For past maintenance periods, this field is empty.
Excess / deficiency of reserve	This is the difference between the running average and the minimum reserve requirements.
Interest amount	The amount of MR interest for the displayed maintenance period. 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. 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. 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. Please note, that accrued excess reserve interest calculations are based on MR fulfilment data delivered by CLM.
Excess reserve interest amount (exemption tier)	Amount of interest to be paid for excess reserves within the exemption tier. 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. 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. 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. This field is only filled for a past maintenance. For the current maintenance period, this field is empty.

 Table 69 - MIR01 - Output description - table minimum reserve information

# MIR01 – Report description – output screen – table list of interest and penalty rates

Field label	Field label
Calculation includes data until <date></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 (exempt tier)	Rate (in %) which is used to calculate the interest amount for excess reserves (exempt tier).
Excess reserve interest rate (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
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 70 - 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

≡	Data Warehouse 🕼 MIR02 - Minimum per country 🗸	<b>Q</b> Search content	:	¢	8
Ē	$\bigcirc  Edit  \textcircled{P}  \checkmark  \backsim  \checkmark  \circlearrowright  \circlearrowright  \checkmark  \circlearrowright  \circlearrowright  \checkmark  \circlearrowright  \circlearrowright  \circlearrowright$			<b>▽</b> Filte	ers
	MIR02 - Minimum reserve requirements per country				
	Run the report with manual or dynamic Dates : * Manual				
	Year :* Please select the reference year V				
	Maintenance Period : *				
	Cancel				

Figure 276 - MIR02 prompt - Manual





Minimum reserve reports (MIR)

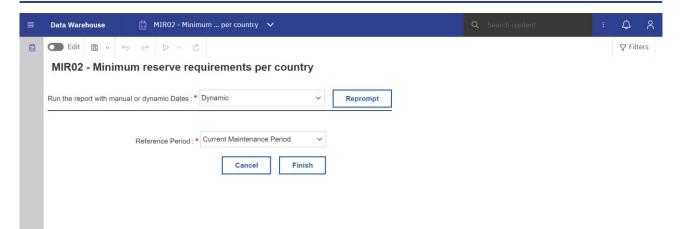


Figure 277 - MIR02 prompt - Dynamic

# 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.			
Maintenance period	You can select the required maintenance period in this drop-down field. 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 This field is mandatory.			
Table 74 MID00 Descent description				

#### Table 71 - MIR02 - Prompt description - Manual

MIR02 – Report description – prompt screen - Dynamic		
Field label	Description	
Reference Period	Reference Period for which the data shall be displayed.	
	Possible values:	
	Current Maintenance Period	
	Last Maintenance Period	
	This field is mandatory.	

#### Table 72 - MIR02 - Prompt description - Dynamic



target	MIR02 - Minimum reserve requirements per country	2021-03- 09:03 DEV - Development and integrat
CBXXKMD0XXX - Central Bank of Fiction		Ser Serenepment and mogra
Filters Year : 2019 Maintenance period : 13th Mar 2019 - 16th Apr 2019		
from: 2018-08-01 to: 2019-04-16		
Responsible CB : KM - Central Bank of Fiction Currency : EUR		
Maintenance period Value		
2019-03-13 to 2019-04-16 2,283,140,000.00		
2019-01-30 to 2019-03-12 2,283,010,000.00		
2018-12-19 to 2019-01-29 2,284,480,000.00		
2018-10-31 to 2018-12-18 2,284,270,000.00		
2018-09-19 to 2018-10-30 2,284,060,000.00		
2018-08-01 to 2018-09-18 2,283,850,000.00		

# Figure 278 - MIR02 output

#### **Output description**

MIR02 – Report description – output screen				
Field label	Description			
For the chosen maintenance per	iod and the five preceding periods:			
Maintenance period	Shows the validity start date until validity end date of the maintenance period			
Value	Aggregated amount of the minimum reserve requirements during the respective period at the country level:			
	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 73 - MIR02 - Output description

# 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

MLB01 - TARGET Multiliteral Balances	
Run the report with manual or dynamic Dates :* Manual ~	Reprompt
Date From : * May 29, 2024   Date To : * May 29, 2024	
Cancel Finish	

Figure 279 - Prompt – manual

MLB01 - TA	RGET Multiliteral	Balance	S		
Run the report with	manual or dynamic Dates :*	Dynamic		× [	Reprompt
Reference Date :*	Last Business Date	~			
Time Range :*	Reference Date	~			
			Cancel	Finish	

#### Figure 280 - 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. This field is mandatory.		
Date to	You can select the end date of the period, for which the report should contain the data. This field is mandatory.		

### Table 74 - 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. This field is mandatory.
Time range	Indicates the start-point of the date range for which the dynamic report should contain data. The system will automatically calculate the start of the date range based upon the date at the time of execution.
	This field is mandatory

Table 75 - MLB01 - Prompt description - dynamic



# Screenshot - output

	v b d Þ	ă.			1
Ŧ					2024
targe			MLB0	- TARGET Multiliteral Balances	IAC - Internal User Acceptan
BXXAQD0XXX - (	SLD BBK QM DWH	I Test CB1EUR			
ilters Date From	2024-05-27 Date To	o: 2024-05-31			 
Currency: EUR					
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 CBXXVED0XXX	CSLD BBK QM CT CSLD BBK QM GUI	7,270,292.00		
May 28, 2024	CBXXVED0XXX	CSLD BBK QM GUI CBXXALD0XXX Short name	-1,999,990.84		
Widy 20, 2024	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		

#### Figure 281 - 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 76 - MLB01 - Output description



# 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

≡	Data Warehouse 🕒 PAR01 - Critical Participants 🗸	Q Search content	:	¢	Å
	$\bigcirc  Edit  \textcircled{\texttt{B}}  \checkmark  \backsim  \checkmark  \circlearrowright  \circlearrowright  \checkmark  \circlearrowright$			7	Filters
	PAR01 - Critical Participants				
	Run the report with manual or dynamic Dates : * Manual    Reprompt				
	Year :* Select the year				
	Quarter :* Select the quarter				
	Cancel				

Figure 282 - PAR01 prompt - Manual



Predefined reports

Participation reports (PAR)

#### Figure 283 - PAR01 prompt - Dynamic

#### 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. This field is mandatory	
Quarter	You can use this drop-down field to select the quarter, from which the report should contain the data. This field is mandatory	

# Table 77 - PAR01 - Prompt description - Manual

# PAR01 – Report description – prompt screen - Dynamic

Field label	Description
Reference Quarter	Reference Quarter for which the data shall be displayed.
	Possible values:
	Current Quarter
	Previous Quarter
	This field is mandatory.





target			PARC	01 - Critic	l Participants	2021-0 09:0 DEV - Development and integr
CBXXKMD0XXX - C	entral Bank of Fiction					DEV Development and integr
Filters Year : 20 Quarter : Q1						
Currency: EUR						
Party BIC	Party Name	Account Number	Average Volume	Average Value		
PBAAKMD0XXX PBABKMD0XXX	Banco de Isthmus	RTGSDCPBAAKMD0XXXEUR0A01	13,680.41	410,422.84		
TEADITIDOXXX	Gringotts Bank Limerick	RTGSDCPBABKMD0XXXEUR0A01	4,560.62	136,822.81		
Daily average Volu	me Daily average Value	1% of the reported Value				
18,241	.03 547,245.66	5,472.46				

Figure 284 - PAR01 output (1)

# **Output description**

PAR01 – Report description – output screen					
Field label	Description				
List by RTGS DCA and party. It is so decreasing	rted by average value decreasing, then average volume decreasing, then party BIC				
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 79 - PAR01 - Output descript	tion				

Table 79 - PAR01 - Output description



# 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.

**Note:** Independent from the Participation Type, unpublished BICs and RTGS Central Bank Accounts 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

ta	nrg∈t  ≞ - ∥ ೧ ೧ ©- ୯	PAR02-List of active Direct and Indi to RTGS Directory $$ $\checkmark$	▼ … ≪ 众 ደ ଡ
≏	PAR02 - List of active Direct and Indirect Participants according to RTGS Directory		
0,			
	Date : Apr 23, 2021		
Ð	Cancel Finish		
<b>D</b> D			
۲			
2			
Ð			

# Figure 285 - PAR02 prompt

# Prompt description

PAR02 – Report description – promp	ipt screen				
Field label	Description				
Date	You can select the date by clicking on the calendar.				
	For valid report results, the current day cannot be selected. This field is mandatory.				

### Table 80 - PAR02 - Prompt description



#### Output description

	rget  🖺	$\bullet \circ \circ$	▶ ° Č		PAR02-List of	ctive Direct and Ind to RTGS Directory $\checkmark$	<b>T</b>	≪	Δ -	2 ?
	<b></b>									
Ī	Direct participant v	view Indirect parti	cipant view							
	target	5  F	PAR02 - L	ist of active D	irect and Ind	rect Participants accordin	g to RTGS Directory	DEV - Deve		2021-03 09:11
ļ	CBXXKMD0XXX - C	entral Bank of Fiction						521 5010		, integra
	Filters Date : 2018-	01-01								
ı.										
	Participant BIC	Participant Name	Account BIC	Indirect participant BIC	Institution Name					
	PBAAKMD0XXX	Banco de Isthmus	PBAAKMR001X	LBSWKMFFXXX	Banco de Isthmus					
	PBMFKMD0XXX	Par ò Six Test Bank	PBMFKMR001X	PBMFKMI117X	Par ò Six Ouvert Bank					

# Figure 286 - PAR02 output (1)

Direct participant	view Indirect p	articipant view							
arge	t			PAR	02 - List of ac	tive Direct ar	nd Indirect Pa	rticipants	according to RTGS Directory
BXXKMD0XXX -	Central Bank of Ficti	00							Dev - Development and meg
Filters Date : 2018	1-01-01								
Account BIC	Participant BIC	Participant Name	Valid from	National Sorting Code	RTGS participation type	Direct Participant BIC	Direct Participant Name	Country Code	
ASAAKMR001X	ASAAKMDOXXX	MetroCapital	2018-01-01	NSORT0028	Direct				
ASAAKPR001X	ASAAKPDOXXX	Parex	2018-01-01		Direct				
ASAAKWR001X	ASAAKWD0XXX	Christianse Central Clearing	2018-01-01	NSORT0103	Direct				
PBAAKMB001X	PBAAKMDOXXX	Banco de Isthmus	2018-01-01	NSORT0124	Direct				
PBAAKMR001X	LBSWKMFFXXX	Banco de Isthmus	2018-01-01	NSORT0007	indirect	PBAAKMD0XXX	Banco de Isthmus	км	
PBAAKMR001X	PBAAKMDOXXX	Banco de Isthmus	2018-01-01	NSORT0001	Direct				
PBAAKPR001X	PBAAKPDOXXX	Lehman Brothers Bankhaus AG	2018-01-01	NSORT0011	Direct				
PBAAKWR001X	PBAAKWDOXXX	Romo Bank	2018-01-01	NSORT0087	Direct				
PBABKMR001X	PBABKMD0XXX	Gringotts Bank	2018-01-01	NSORT0008	Direct				
PBABKPR001X	PBABKPDOXXX	Washington Mutual	2018-01-01	NSORT0050	Direct				
PBABKWR001X	PBABKWD0XXX	Færøerne Bank	2018-01-01	NSORT0088	Direct				
PBACKMR001X	PBACKMD0XXX	Iron Banks of Braavos	2018-01-01	NSORT0014	Direct				
PBACKPR001X	PBACKPDOXXX	Herstatt Bank AG	2018-01-01	NSORT0051	Direct				
PBACKWR001X	PBACKWD0XXX	Årø Land Pandebrev	2018-01-01	NSORT0089	Direct				
PBADKMR001X	PBADKMD0XXX	Banque Mammon	2018-01-01	NSORT0015	Direct				
PBADKPR001X	PBADKPDOXXX	Thomburg Finance S.A.	2018-01-01	NSORT0052	Direct				
PBADKWR001X	PBADKWD0XXX	Bågø Credit	2018-01-01	NSORT0090	Direct				
PBAEKMR001X	PBAEKMDOXXX	Bankhaus Goldscheider	2018-01-01	NSORT0016	Direct				
PBAEKPR001X	PBAEKPDOXXX	America First Savings & Loans	2018-01-01	NSORT0053	Direct				
PBAEKWR001X	PBAEKWD0XXX	Vendsyssel-Þy Andelsselskab	2018-01-01	NSORT0091	Direct				

#### Figure 287 - PAR02 output (2)



Participation reports (PAR)

rg <u>et</u>   🗎	• A Q	<ul> <li>● &lt; C</li> </ul>			PAR02-List of	active Direct and Ind	to RTGS Directory 🗸 🗸			▼ … ≪ 众 ف
Direct participant	view indirect pa	articipant view								
targe	tl	PAF	802 - Li	ist of active D	irect and Indi	rect Particip	ants according	a to RTGS	Directory	202
				or of douto b				, 10 111 010	Directory	DEV - Development and inte
	Central Bank of Fiction	n								
Filters Date : 2018	-01-01									
Account BIC	Participant BIC	Participant Name	Valid from	National Sorting Code	RTGS participation type	Direct Participant BIC	Direct Participant Name	Country Code		
PBBDKWR001X	PBBDKWD0XXX	Tasinge og Frørup Udbetalingsbank	2018-01-01	NSORT0098	Direct					
PBBEKMR001X	PBBEKMD0XXX	Banco di San Giorgio	2018-01-01	NSORT0024	Direct					
PBBEKPR001X	PBBEKPD0XXX	Hypo Alpe Adria	2018-01-01	NSORT0061	Direct					
PBBEKWR001X	PBBEKWD0XXX	Læsø Landbobank	2018-01-01	NSORT0099	Direct					
PBBFKMR001X	PBBFKMD0XXX	Welser Venezuela Funding	2018-01-01	NSORT0025	Direct					
PBBFKPR001X	PBBFKPD0XXX	Banco Português de Negócios	2018-01-01	NSORT0062	Direct					
PBBFKWR001X	PBBFKWD0XXX	Ærø Pensionsbank	2018-01-01	NSORT0100	Direct					
PBBGKMR001X	PBBGKMD0XXX	Compagnie des Indes Occidentales	2018-01-01	NSORT0026	Direct					
PBBGKPR001X	PBBGKPD0XXX	Schaaffhausen'scher Bankverein	2018-01-01	NSORT0063	Direct					
PBBGKWR001X	PBBGKWD0XXX	Smålandsfarvandet Sparekassen	2018-01-01	NSORT0101	Direct					
PBBHKMR001X	PBBHKMD0XXX	Monte Pio	2018-01-01	NSORT0027	Direct					
PBBHKPR001X	PBBHKPD0XXX	Bankia	2018-01-01	NSORT0064	Direct					
PBBHKWR001X	PBBHKWD0XXX	Masnedø Bank Aktieselskab	2018-01-01	NSORT0102	Direct					
PBMFKMR001X	PBMFKMF117X	Par ò Six Ouvert Bank	2018-01-01	NSORT0125	Direct					
PBMFKMR001X	PBMFKMI117X	Par ò Six Ouvert Bank	2018-01-01	NSORT0127	Indirect	PBMFKMD0XXX	Par ò Six Test Bank	KM		
Total number of d	irect participants	Total Number of indirect participants								
5	3	2								
NORU82000001 - C	BXXKMD0 (NOR) N	ormal								Page
Top ↑ Page										

# Figure 288 - PAR02 output (3)

PAR02 – Report description – output screen – table Dire	ect 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 Indi	rect 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.
	Possible values:
	I Direct
	I 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 81 - 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

≞• ∥ ၈ ൹ ©- č	PAR03 - Parties subject and not s to minimum reserve 🗸 🗸	▼ … ≪ 众 ደ 0
3 - Parties subject and not subject to minimum reserve		
Apr 23, 2021		
Incel		
	3 - Parties subject and not subject to minimum reserve Arr 23. 3021 • ancei Frish	Apr 23, 2021

Figure 289 - PAR03 prompt

### **Prompt description**

PAR03 – Report description – promp	03 – Report description – prompt screen				
Field label	Description				
Date	You can select the date by clicking on the calendar.				
	This field is mandatory.				

Table 82 - PAR03 - Prompt description



### Screenshot - output screen

targ€	ti 🗈 -	୍ତ୍ <b>ତ</b> ≁ ୯					PARC3 - Parties subject and not to minimum reserve 🗸	▼ … ≼ ≙ ≗ ⊙
۵ 🔝								
		imum reserve Parties not sub	inst to address on a					
								2021-03-03
🛙 ta	rg€t	1					PAR03 - Parties subject and not subject to minimum reserve	09:19:22 DEV - Development and integration
		tral Bank of Fiction						
to Piters	Date : 2019-0	-01						
		inimum mone						
•	-							
deud								
	Party BIC	Party Name	MFI Code					
		Banco de Isthmus Gringotts Bank Limerick	10002					
		Iron Banks of Braavos	10004					
		Bangue Mammon Marselles	10005					
		Depotent Duck Thrift Disneyland						
		Woodgrove Bank S.A.	10008					
		Golath National Bank Ltd Dublin						
		Tellson's Mutual Ltd Dublin	10010					
PBR	BRANDODOCK	Banca de Bondi Firenze	10011					
PBE	CHANDOUCK	Fidelity Savings & Trust	10012					
PEA	AFRANDEXCC	Parò Six Test Barix	11002					
PEA	AFRAMED.CCC	Par à Six Fermé Bark	11003					
india	et							
	Party BIC	Party Name		MFICod	le Leading CLM Account Holder	BIC Leading CLM Account Holder Name		
		Auslandskasserverein IL. Frankfu	rt	11004	PEABRADOCCE	Gringotts Bank		
ASA	CHAMDODOXX	Discount Card Koblenz		11005	PBABKMD0XXX	Gringotts Bank		
PEA	EXMD0000	Bankhaus Goldscheider Frankfurt		10005	PEAAKMDDOCCE	Banco de lathmus		
200	DKMDOCCX	DGI Deutsche Global Investment B	Bank AG Frankfurt	10013	PBAAAMDOICCE	Banco de lativnus		
pool								
	Party BIC	Party Name	M	Code L	and the CLM Account Making BIC	Leading CLM Account Holder Name		
		MetroCapital Corporation Cork			BBHRMDOXX	Monte Pio		
		Banco di San Giorgio Genovo	10	014 PI	BERMDOXX	Banco di San Giorgio		
PDE	PRODUCCO	Weber Venezuele Funding, Couros	10	015 P1	BEEKINDOXXX	Banco di San Giorgio		
200	GRANDEDOCK	Compagnie das Indes Occidentale	ISSA Paris 10	016 PI	BERMDOXX	Banco di San Giorgio		
PEE	HAMDOOCK	Istituto Bancario de Monte Pio	10	017 PI	BEHRMDOXX	Monte Pio		
_								
•								
NORUB	2000001 - CBM	XMD0 (NOF) Normal						Page: 1 of 7

## Figure 290 - PAR03 output (1)

arg <u>et</u>   🛯 🗸 🔿	⊳∽ C	PAR03 - Parties subject and not to minimum reserve 🗸	▼ ··· ᢞ 🇘 👤 ·
· 🏦			
Parties subject to minimum reserve	Parties not subject to minimum reserve		
target	PAR03 -	- Parties subject and not subject to minimum reserve	2021-03- 09:19: DEV - Development and integrat
CBXXKMD0XXX - Central Bank of Fiction	n		
Filters Date : 2019-01-01			
Parties not subject to minimum reser	ve		
	Name MFI Code		
FACTKMD0XXX Nakamura Factori	ing N.V. Rotterdam 10055		

### Figure 291 - 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		
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 83 - PAR03 - Output description	n - table parties subject to minimum reserve		

## PAR03 – Report description – output screen - table parties not subject to minimum reserve

Label	Description
Party BIC	Party BIC
Party Name	Party short name
MFI Code	MFI-Code of the party (can be empty)

### Table 84 - 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 292 - PAR04 prompt



## Prompt description

PAR04 – Report description – promp	- Report description – prompt screen				
Field label	Description				
Date	You can select the date by clicking on the calendar.				
	For valid report results, the current day cannot be selected.				
	This field is mandatory.				

### Table 85 - PAR04 - Prompt description

## Screenshot - output screen

target				PAR04 - List of ancillary systems				
BXXAQD0XXX - C	SLD BBK QM DWH Tes	t CB1						
ilters 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	В
			Ancillary System	RTGS CB Account	RTGSCBCBXXAQD0XXXEUR0005	CBXXAQD0XXX	CSLD BBK QM DWH Test CB1	В
			Ancillary System	RTGS DCA	RTGSDCPBABAQD0XXXEUR0A09	PBABAQD0XXX	CSLD BBK QM DWH Test CB1-PB2	В
			Ancillary System	RTGS DCA	RTGSDCPBACAQD0XXXEUR0A09	PBACAQD0XXX	CSLD BBK QM DWH Test CB1-PB3	В
			Ancillary System	RTGS DCA	RTGSDCPBADAQD0XXXEUR0A09	PBADAQD0XXX	CSLD BBK QM DWH Test CB1-PB4	В
			Ancillary System	RTGS CB Account	RTGSCBCBXXMMD0XXXEUR0005	CBXXMMD0XXX	CSLD BBK QM DWH Test CB2	В
			Ancillary System	RTGS DCA	RTGSDCPBABMMD0XXXEUR0A09	PBABMMD0XXX	CSLD BBK QM DWH Test CB2-PB2	В
ASCAAQD0XXX	CSLD BBK QM DWH	IPS	Ancillary System	Ancillary System Technical Account	ASTECHASCAAQD0XXXEUR0A01	ASCAAQD0XXX	CSLD BBK QM DWH	С
			Ancillary System	RTGS CB Account	RTGSCBCBXXAQD0XXXEUR0005	CBXXAQD0XXX	CSLD BBK QM DWH Test CB1	С
			Ancillary System	RTGS Sub-account	RTGSSBPBAAAQD0XXXEUR0002	PBAAAQD0XXX	CSLD BBK QM DWH Test CB1-PB1	С
			Ancillary System	RTGS DCA	RTGSDCPBACAQD0XXXEUR0A09	PBACAQD0XXX	CSLD BBK QM DWH Test CB1-PB3	С
			Ancillary System	RTGS DCA	RTGSDCPBADAQD0XXXEUR0A09	PBADAQD0XXX	CSLD BBK QM DWH Test CB1-PB4	С

### Figure 293 - 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.			
	Possible values:			
	High-Value-Payment- Systems (HVPS)			
	Retail-Payment-Systems (RPS)			
	Instant-Payment-Systems (IPS)			
	Security-Settlement-Systems (SSS)			
	Foreign-Exchange-Settlement-Systems			



	<ul> <li>Money-Market-Settlement-Systems (MMS)</li> <li>Central Counterparties (CCP)</li> <li>Other</li> </ul>
Service Party Type	Service Party Type linked to the party. Possible values: I Ancillary system I RTGS Account holder
Account Type	Account Type. Possible values: I RTGS CB account I RTGS DCA I RTGS sub-account I AS guarantee funds account I 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; Possible Values: A, B, C, D, E If not applicable, field is filled with "—"

Table 86 - 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.

I Banking

Group

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.





AccountMonitoringGroup(AMG)An Account Monitoring Group is an optional group of accounts (MCAs, DCAs and TIPS Accounts) thatCLM uses in order to provide a collective view over the liquidity of the involved accounts to paymentbanks. An Account Monitoring Group is used for liquidity monitoring purposes of payment banks. Theleader party of the Account Monitoring Group can see the liquidity of all included accounts while the otherparticipants of the Account Monitoring Group can only see the liquidity of their accounts.

- I
   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.
- ISettlementBankAccountGroup(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

## PLACEHOLDER FOR OUTPUT SCREEN

PAR05 - Aggregations list

Aggregation group type	*:*	All ~	
Valid date	:*	Dec 20, 2023	
Party or cash account	:	Party ~	Reprompt
Cash account number	:		
Party BIC	:	Please select a Party BIC V	
		Cancel Finish	

## Figure 294 - PAR05 prompt



## Prompt description

PAR05 – Report description – prom	R05 – Report description – prompt screen				
Field label	Description				
Aggregation Group Type	<ul> <li>You can use this drop-down field to select the type of aggregation group for which Cognos is to generate the report.</li> <li>Possible values: <ul> <li>Banking group</li> <li>Account monitoring group</li> <li>Liquidity transfer group</li> </ul> </li> </ul>				
	Settlement bank account group     All The field is mandatory.				
Valid 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. This field is mandatory				
Party or cash account	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. If a value other than "None" is selected, also Party or Cash account needs to be filled. The field is mandatory.				
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. The field is mandatory when the user select "Cash Account".				

#### Table 87 - PAR05 - Prompt description

## Screenshot - output screen

## PLACEHOLDER FOR OUTPUT SCREEN



PAR05 - Aggregation list

### target

	Valid Date: Application group type: Party BIC:	: Dec 18, 2023		
Filters	Application group type:	Banking group		
	Party BIC:	CBXXAQD0XXX		

# PAR05 - Aggregations list

Aggregation group type		Aggregation leader		Aggregation group members					
	Aggregation group name	Party BIC	Party name	Party BIC	Party name	Cash account number	Cash account BIC		
BANK	BBk-DWH-BG-01	CBXXAQD0XXX	CSLD BBK QM DWH Test CB1	PBAFAQD0XXX	CSLD BBK QM DWH Test CB1-PB6				
BANK	BBk-DWH-BG-01	CBXXAQD0XXX	CSLD BBK QM DWH Test CB1	PBAFMMD0XXX	CSLD BBK QM DWH Test CB2-PB6				
BANK	BBk-DWH-BG-01	CBXXAQD0XXX	CSLD BBK QM DWH Test CB1	PBAGAQDOXXX	CSLD BBK QM DWH Test CB1-PB7				
BANK	BBk-DWH-BG-01	CBXXAQD0XXX	CSLD BBK QM DWH Test CB1	PBAGMMD0XXX	CSLD BBK QM DWH Test CB2-PB7				
BANK	BBk-DWH-BG-01	CBXXAQD0XXX	CSLD BBK QM DWH Test CB1	PBAHAQD0XXX	CSLD BBK QM DWH Test CB1-PB8				
BANK	BBk-DWH-BG-01	CBXXAQD0XXX	CSLD BBK QM DWH Test CB1	PBAHMMD0XXX	CSLD BBK QM DWH Test CB2-PB8				

### Figure 295 - PAR05 output (1) - Banking Group

### **Output description**

e as of which the selection took place
etermines whether the aggregation group is nk account group, liquidity transfer group or
aggregation group that the user assigned
nd the party name of the leader of the
ne cash account that is a member of the unt monitoring group.
ash account that is a member of the liquidity toring group. This field remains empty.
arty that is a member of the banking group.
party that is a member of the banking group.
י ר ר

Table 88 - PAR05 - Output description – Table Banking Group



#### Screenshot - output screen

1-ASDA

1-ASEA

SETL

SETL

### PLACEHOLDER FOR OUTPUT SCREEN

and an								
target		PAR05 - Aggregations list						
BXXAQD0XXX - CSLD E	BK QM DWH Test CB1							
Filters Application group Party BIC: PAR05 - Aggregations li	ype: Set acc CB	2 18, 2023 tlement bank ount group XXAQD0XXX						
			ation leader			n group members		
Aggregation group type	Aggregation group name		ation leader Party name	Party BIC	Aggregation Party name	n group members Cash account number	Cash account BIC	
Aggregation group type SETL	Aggregation group name 1-ASAA			Party BIC CBXXAQD0XXX			Cash account BIC CBXXAQR005X	
		Party BIC	Party name		Party name	Cash account number		
SETL	1-ASAA	e Party BIC ASAAAQD0XXX	Party name DWH Test 1-ASAA	CBXXAQD0XXX	Party name CSLD BBK QM DWH Test CB1	Cash account number RTGSCBCBXXAQD0XXXEUR0005	CBXXAQR005X	

ASDAAQDOXXX CSLD BBK QM DWH CBXXAQDOXXX CSLD BBK QM DWH Test CB1 RTGSCBCBXXAQD0XXXEUR0005 CBXXAQR005X

ASEAAQD0XXX CSLD BBK QM DWH CBXXAQD0XXX CSLD BBK QM DWH Test CB1 RTGSCBCBXXAQD0XXXEUR0005 CBXXAQR005X

Figure 296 - PAR05 output (2) – Account Monitoring Group, Settlement Bank Account Group and Liquidity
Transfer Group

PAR05 - Report description - output screen - Account Monitoring Group, Settlement Bank Account Group and

Liquidity Transfer Group	
Field label	Description
Report Header	
Central Bank	BIC and name of the central bank
As of date	Date that the user entered, i.e. date as of which the selection took place
Aggregation Group Header	
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
Repeatable fields within an aggregatior	n group
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. This field is empty when there is no account BIC assigned to the cash account.
Party BIC	This field provides the BIC of the party that owns the cash account.
Party Name	This field provides the name of the party that owns the cash account.

Table 89 - PAR05 - Output description - Account Monitoring Group, Settlement Bank Account Group and 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.

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







## Prompt description

PAR06 – Report description – promp	t screen
Field label	Description
Date	You can select the date by clicking on the calendar.
	For valid report results, the current day cannot be selected. This field is mandatory

## Table 90 - PAR06 - Prompt description

## Screenshot - output screen

	t			PAR06 - Nu	umber of participants per 0	СВ				2
CBXXKMD0XXX		of Fiction							DEV	<ul> <li>Development and</li> </ul>
Filters Date : 20	20-07-14									
Country				Direct Participants		Indirect	Multi	Addressable	Ancillary	
code	Published	Unpublished	Overall		Number of RTGS DCAs having a different BIC8	Participants	Addressee	BICs	Systems	
FO	1	1	2	1	1	0	0	0	0	
КМ	19	21	40	17	19	2	5	4	1	
KP	20	18	38	16	18	0	1	0	1	
KW	18	18	36	15	17	0	0	0	1	
Overall - Total	58	58	116	49	55	2	6	4	3	

### Figure 298 - PAR06 output

## **Output description**

PAR06 – Report description – output screen				
Field label	Description			
Country code	ISO country code			
Direct Participants				
Published	Number of published RTGS DCA Account BICs			
Unpublished	Number of unpublished RTGS DCA Account BICs			
Overall	Number of published + unpublished RTGS DCA Account BICs			
Payment banks with at least one RTGS	Distinct number of payment banks having at least one RTGS DCA			



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) 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
Ancillary Systems	Number of parties with party type = ancillary system
Overall - Total	Sums for each of the columns

Table 91 - 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

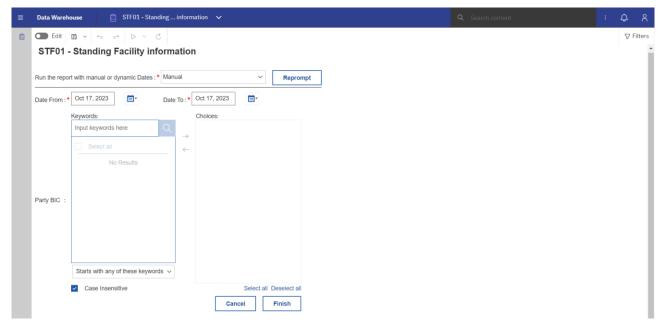


Figure 299 - STF01 prompt - Manual

	🖺 STF01 - Standing infor	mation 🗸	
	v t∋ c ▷ v C anding Facility informatio	n	
Run the report with	n manual or dynamic Dates :* Dynamic	Reprompt	
Reference Date : *	Last Business Date ~		
Time Range 🛛 :*	Reference Date ~		
Party BIC :	Keywords: Input keywords here Q Select all No Results	Choices: → ←	
	Starts with any of these keywords ~		

Figure 300 - 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. 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 result, the current day cannot be selected. 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. This field is optional.			

## Table 92 - 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. Valid values:		
	<ul> <li>Last Business Day</li> <li>Prior Last Business Day</li> <li>The system will automatically calculate the end of the date range based upon the</li> </ul>		
	date at the time of execution.		
Time Range	Indicates the start-point of the date range for which the dynamic report should contain data.		
	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.		
	This field is optional.		

# STF01 – Report description –prompt screen - Dynamic

Table 93 - STF01 - Prompt description - Dynamic



## Screenshot - output screen

irget 🕒 🗸 n	) 🕑 🗸	Ç			STF01 - Standing Facility information $\checkmark$	🔻 ··· < 🗅 👤 🌔
<b></b>						
Marginal Lending Overnight D	Deposit Ba	ar Chart				
target				STF0	- Standing Facility information	2021-0 10: DEV - Development and integr
CBXXKMD0XXX - Central Bank of F	iction					
Filters Date From : 2019-04-01 Date From : 2019-04-01 Date From : 2019-04-01						
Respon		ntral Bank of Fict IR	ion			
	Use of marg	inal lending				
BIC PBAGKMD0XXX Party Name Woodgrove Bank	Date		Capital refund	Interests		
MFI Code 10008	02.04.2019	19,230.47	0.00	0.00		
Account BIC PBAGKMC001X	09.04.2019	19,230.47	0.00	0.00		
	16.04.2019	19,230.47	0.00	0.00		
	23.04.2019	19,230.47	0.00	0.00		
	30.04.2019 Total	2,341,231.20 2,418,153.08	6,346,801.97 6,346,801.97	-1,602.54		
Total all Parties			16,801.97	-1,602.54		
NORU82000001 - CBXXKMD0 (NOF	D) Marmal					Page: 1

## Figure 301 - STF01 output (1)

rget  🛯 🗸 n n	) 🕞 🗸	$\mathcal{C}$			STF01 - Standing Facility information 🗸	🔻 ··· < 🗘 👱 🛛
<b></b>						
Marginal Lending Overnight [	Deposit Ba	ar Chart				
target				;	01 - Standing Facility information	2021- 10: DEV - Development and integ
CBXXKMD0XXX - Central Bank of F	iction					Ber Bereichnen anneg
Filters Date From : 2019-04-01 Date From : 2019-04-01 Date From : 2019-04-01	Date To : 2019- X - Woodgrove	-04-30 e Bank				
Res	onsible CB : 0	Central Bank of Fi EUR	iction			
	Overnig	ght deposit				
BIC PBAGKMD0XXX	Date	Capital set-up	Capital refund	Interests		
Party Name Woodgrove Bank MFI Code 10008	01.04.2019	1,923,047.00	. 0.00	0.00		
Account BIC PBAGKMC0010	08.04.2019	1,923,047.00	0.00	0.00		
	15.04.2019	1,923,047.00	0.00	0.00		
	22.04.2019	1,923,047.00	0.00	0.00		
	29.04.2019	1,923,047.00	0.00	0.00		
	Total	9,615,235.00	0.00	0.00		
BIC PBAGKMD0XXX	Date	Capital set-up	Capital refund	Interests		
Party Name Woodgrove Bank MFI Code 10008	02.04.2019	-1,923,047.00	0.00	0.00		
Account BIC PBAGKMC001X	09.04.2019	-1,923,047.00	0.00	0.00		
	16.04.2019	-1,923,047.00	0.00	0.00		
	23.04.2019	-1,923,047.00	0.00	0.00		
	30.04.2019	-1,768,246.96	5,263,201.63	0.00		
	Total	-9,460,434.96	5,263,201.63	0.00		
		154,800.04	5,263,201.63	0.00		

Figure 302 - STF01 output (2)



Predefined reports

Standing facilities reports (STF)

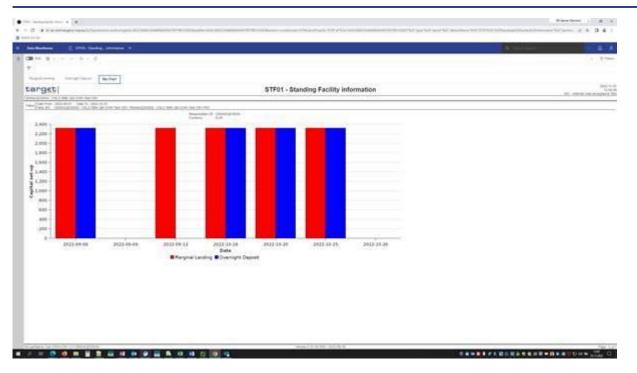


Figure 303 - STF01 output (3)

## 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. 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	For all business days for each party			
capital set-up				
capital refund				
interests				
"Total all Parties" for	For all business days and all parties			
capital set-up				
capital refund				
interests				
Table 94 - STF01 - Output de	escription - Table use of marginal lending			
STF01 – Report description	– output screen – table overnight deposit			
Field label	Description			
The table contains the following	ng 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.			
	This amount equals the (positive) end of day balance on the dedicated overnight			
	deposit account (owned by the responsible CB) per default MCA holder.			
	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.
	Note:
	Depending on the interest rate for overnight deposit in CRDM, interest amounts are
	displayed positive (positive interest rate) or negative (negative interest rate).
Total per party for capital set-up capital refund interests	For all business days for each party
Total all Parties for capital set-up capital refund interests	For all business days and all parties
11111111111111	

Table 95 - STF01 - Output description - Table overnight deposit

on on hepon description	bulput server bar chart for marginal lenang and overnight deposit
Field label	Description
x-axis: Date	Bar chart:
y-axis:	Each business day within the given date range has an entry on the x-axis-
- The amount of marginal lending capital set-up	The amounts of each facility for each business day is calculated as: sum over all capital set-ups (per facility) of all parties (for each business day)
	Marginal lending and overnight deposit are separately shown for each business day and are differentiated by separate colours.

STF01 – Report description	n – output screen - bar chart for ma	rginal lending and overnight deposit

Table 96 - 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.

#### Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [STA – Statement Reports] >> [STA01]

### <u>Screenshot – prompt</u>

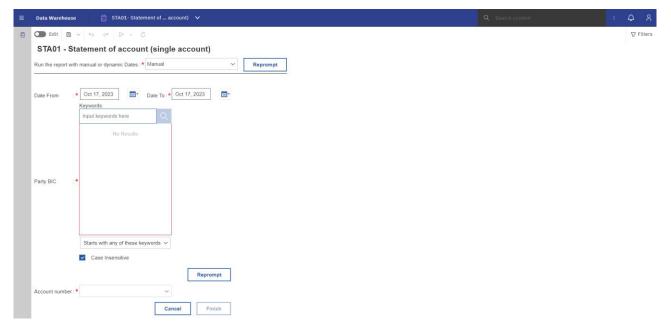


Figure 304 - STA01 prompt – Manual



Predefined reports Statement reports (STA)

=	Data Warehouse	🛱 STA01- Statement of account) 🗸	Q Search content	÷	ф
۵	💽 Edit 🗎	$\circ$ $\circ$ $\circ$ $\circ$			√ Filters
	STA01 - Sta	tement of account (single account)			
	Run the report with	manual or dynamic Dates : * Dynamic			
		Last During Data			
		Last Business Date V			
		Keywords:			
		Input keywords here			
		No Results			
	Party BIC :*				
		Starts with any of these keywords $\checkmark$			
		Zase Insensitive			
		Reprompt			
		reponipt			
	Account number : *	v			
		Cancel Finish			

Figure 305 - STA01 prompt - Dynamic

## Prompt description

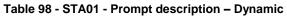
STA01 – Report description – prompt screen - Manual				
Field label	Description			
Date from	You can select the date by clicking on the calendar. This field is mandatory.			
Date to	You can select the end date of the period, for which the report should contain the data by clicking on the calendar. For valid report results, the current day cannot be selected. 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. 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). RTGS sub-accounts and accounts in the contingency services are excluded in this report. This field is mandatory.			

## Table 97 - STA01 - Prompt description - Manual



Field label	Description
Reference Date	Indicates the end-point of the date range for which the dynamic report should contain data. Valid values: I Last Business Day Prior Last Business Day 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. 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). RTGS sub-accounts and accounts in the contingency services are excluded in this report. This field is mandatory.

## STA01 – Report description – prompt screen - Dynamic





## Screenshot - output screen

<b>^</b>				
				2021-
target	STA01 - Statement of account (single account)			15
PBAAKMD0XXX - Banco de Isthmus			DEV - D	evelopment and integ
Date From : 2019-04-01				
Eithern Date To : 2019-04-30				
Party BIC : PBAAKMD0XXX - Banco de Isthmus				
Account number : MACASHPBAAKMD0XXXEUR0A01				
Account Statement (single account)				
National Sorting Code: NSORT0000000058 Currency: EUR				
Account Type: CMCA Party Address: Penny La	ane 771 80000013 Frankfurt			
Place and Date: Montelongo, 2021-04-23 Created by: PBAAKN	ID0XXX - Banco de Isthmus			
Account number : MACASHPBAAKMD0XXXEUR0A01				
Date: 2019-04-01			:	SoD 2,644,188,822
		Debit	Credit	Balance
Reference Id 1	UETR_2018141151270	1,923,046.00		2.642.265.776
Reference Id 2	E2E_2018141151270			
Settlement timestamp	2019-04-01 17:48:23.001			
Counterpart country code	KM			
Counterpart party BIC	CBXXKMD0XXX			
Counterpart account BIC	PBAAKMC0010			
Counterpart service	CLM			
	UETR_2018141200192	19.230.46		2.642.246.545
Reference Id 1				2,012,210,010
Reference ld 1 Reference ld 2				
Reference Id 2	E2E_2018141200192	,		
Reference Id 2 Settlement timestamp				
Reference Id 2 Settlement timestamp Counterpart country code	E2E_2018141200192 2019-04-01 17:48:23.164 KM			
Reference Id 2 Settlement timestamp	E2E_2018141200192 2019-04-01 17:48:23.164			
Reference Id 2 Settlement timestamp Counterpart country code Counterpart party BIC	E2E_2018141200192 2019-04-0117:48:23164 KM CBXXKMD0XXX			
Reference Id 2 Settlement timestamp Counterpart country code Counterpart party BIC Counterpart account BIC	E2E_2018141200192 2019-04-01 17:48:23.164 KM CBXXKMD0XXX PBA4KMCXX	1,942,276.46		EoD 2,642,246,545
Reference Id 2 Settlement timestamp Counterpart country code Counterpart party BIC Counterpart account BIC Counterpart service	E2E_201814/200192 2019-04-01 17:48:23.164 KM CBXXKMD0XXX PBAAKMC001M CLM			
Reference Id 2 Settlement timestamp Counterpart country code Counterpart party BIC Counterpart account BIC Counterpart service Total number of cash transfers	E2E_201814/200192 2019-04-01 17:48:23.164 KM CBXXKMD0XXX PBAAKMC001M CLM			
Reference Id 2         Settlement timestamp         Counterpart country code         Counterpart party BIC         Counterpart account BIC         Counterpart service         Total number of cash transfers	E2E_2018/4200192 2019-04-01 17:48:23.164 KM CBXXKMDDXXX PBAAKMC001M CLM 2 Total sum of cash transfers UETR_2018/41198848	1,942,276.46		SoD 2,642,246,545. Balance
Reference Id 2         Settlement timestamp         Counterpart country code         Counterpart acty BIC         Counterpart account BIC         Counterpart service         Total number of cash transfers         Date: 2019-04-02         Reference Id 1         Reference Id 2	E EE 2018141200192 2019-04-01 17:48:23.164 KM C BXXKND0XXX PBAAKNC001M CLM 2 Total sum of cash transfers UETR, 2018141198848 E2E, 201841198848 E2E, 201841198848	1,942,276.46	Credit	SoD 2,642,246,545. Balance
Reference Id 2         Settiment timestamp         Counterpart country code         Counterpart account BIC         Counterpart service         Total number of cash transfers         Date: 2019-04-02         Reference Id 1         Reference Id 2         Settlement timestamp	E 2EE 2018/41200192 2019-04-01 17:48:23.164 KM C BXXKMDDXXX PBAAKKC001M CLM 2 Total sum of cash transfers UETR_2018/41198848 E2E_2018/41198848 E2E_2018/4119848 E2E_2018/4119848 E2E_2018/4119848 E2E_2018/4119848 E2E_2018/4119848 E2E_2018/4118848 E2E_2018/418 E2E_2018 E2E_2018/418 E2E_2018/418 E2E_2018/418 E2E_2018/418 E2E_2018 E2E_2018/418 E2E_2018/418 E2E_2085 E2E_208 E2E_2	1,942,276.46	Credit	SoD 2,642,246,545. Balance
Reference Id 2         Settlement timestamp         Counterpart country code         Counterpart account BIC         Counterpart account BIC         Counterpart service         Total number of cash transfers         Date: 2019-04-02         Reference Id 1         Reference Id 2         Settlement timestamp         Counterpart country code	E2E_2018141200192 2019-04-01 17:48:23.164 KM CBXXKMD0XXX PBA4KKC01M CLM 2 Total sum of cash transfers UETR_2018141198848 E2E_2018141198848 E2E_2018441198848 E2E_201844119848 E2E_201844119848 E2E_201844119848 E2E_201844119848 E2E_201844 E2E_20184414 E2E_201844 E2E_201844 E2E_201844 E2E_201844 E2E_201844 E2E_2085 E2E_201844 E2E_201844 E2E_2085 E2E_2084 E2E_208 E2E_208 E2E	1,942,276.46	Credit	SoD 2,642,246,545. Balance
Reference Id 2         Settlement timestamp         Counterpart country code         Counterpart account BIC         Counterpart account BIC         Counterpart service         Total number of cash transfers         Date: 2019-04-02         Reference Id 1         Reference Id 2         Settlement timestamp         Counterpart party BIC	E EE 2018/41200192 2019-04-01 17:48:23.164 KM C CBXXKMD0XXX PBAAKMC001M CLM 2 Total sum of cash transfers UETR_2018/41198848 E2E_2018/41198848 2019-04-01 17:48:23.055 KM C BXXKMD0XXX	1,942,276.46	Credit	SoD 2,642,246,545. Balance
Reference Id 2         Settiment timestamp         Counterpart country code         Counterpart aparty BIC         Counterpart service         Total number of cash transfers         Date: 2019-04-02         Reference Id 1         Reference Id 2         Settlement timestamp         Counterpart country code         Counterpart account BIC         Counterpart account BIC         Counterpart account BIC         Counterpart account BIC	E EE 2018/41200192 2019-04-01 17:48:23.164 KM C CEXXKMDDXXX PBAAKMC001M CLM 2 Total sum of cash transfers UETR_2018/41198848 E2E_2018/41198848 E2E_2018/4118848 E2E_2018/4118848 E2E_2018/4118848 E2E_2018/4118/4128 E2E_2018/4118/4128 E2E_2018/4118/418 E2E_2018/4118/418 E2E_2018/4118/418 E2E_2018/4118/418 E2E_2018/418/418 E2E_2018/4188 E2E_20188 E2E_2018 E2E_2018/418 E2E_2018 E2E_208 E2E_208 E2E_208 E2E_208 E2E_208 E2E_208 E2E_208 E2E_208 E2E	1,942,276.46	Credit	SoD 2,642,246,545. Balance
Reference Id 2         Settlement timestamp         Counterpart country code         Counterpart account BIC         Counterpart account BIC         Counterpart service         Total number of cash transfers         Date: 2019-04-02         Reference Id 1         Reference Id 2         Settlement timestamp         Counterpart country code         Counterpart party BIC         Counterpart party BIC         Counterpart party BIC         Counterpart service	E EE 2018141200192 2019-04-01 17:48:23.164 KM C BXXKND0XXX PBAAKKC001M CLM 2 Total sum of cash transfers UETR_2018141198848 E2E_201814198848 E2E_20181419848 E2E_20181419848 E2E_20181419848 E2E_20181419848 E2E_20181419848 E2E_2018149 E2E_2018149 E2E_2018149 E2E_2018149 E2E_2018149 E2E_2018149 E2E_2018149 E2E_2018419 E2E_2018419 E2E_201844 E2E_201844 E2E_20184 E2E_20184 E2E_20184 E2E_20184 E2E_20184 E2E_2018 E2E	1,942,276.46	Credit	SoD 2,642,246,545. Balance
Reference Id 2         Settement timestamp         Counterpart country code         Counterpart acount BIC         Counterpart service         Total number of cash transfers         Date: 2019-04-02         Reference Id 1         Reference Id 2         Settlement timestamp         Counterpart country code         Counterpart account BIC         Counterpart account BIC         Counterpart account BIC	E EE 2018/41200192 2019-04-01 17:48:23.164 KM C CEXXKMDDXXX PBAAKMC001M CLM 2 Total sum of cash transfers UETR_2018/41198848 E2E_2018/41198848 E2E_2018/4118848 E2E_2018/4118848 E2E_2018/4118848 E2E_2018/4118/4128 E2E_2018/4118/4128 E2E_2018/4118/418 E2E_2018/4118/418 E2E_2018/4118/418 E2E_2018/4118/418 E2E_2018/418/418 E2E_2018/4188 E2E_20188 E2E_2018 E2E_2018/418 E2E_2018 E2E_208 E2E_208 E2E_208 E2E_208 E2E_208 E2E_208 E2E_208 E2E_208 E2E	1,942,276.46	Credit	EoD 2,642,246,545 SoD 2,642,246,545. Balance 2,644,169,591. 2,644,188,822.

Figure 306 - STA01 output (1)



Predefined reports

Statement reports (STA)

Γį	3 <u>51</u> 🖫 🗸 🔿 🔿 🕞 🗸 Ç	STA01- Statement of a	account (si	ngle account) 🗸		· ··· ·	s 🗘 🙎
	<b>↑</b>						
T	Settlement timestamp	2019-04-30 17:04:32.914					
ł	Counterpart country code	KB					
ł	Counterpart party BIC	CBXXKRD0XXX					
İ	Counterpart account BIC						
İ	Counterpart service	CLM					
Ì	Reference Id 1	not provided			0.00		2,644,410,186
ł	Reference Id 2	E2E_2018141190973			0.00		2,011,110,100
ł	Settlement timestamp	2019-04-30 17:04:32.957					
ł	Counterpart country code	KI					
ł	Counterpart party BIC	CBXXKID0XXX					
ł	Counterpart account BIC						
ł	Counterpart service	CLM					
ħ	Beference Id 1	not provided			0.00		2,644,410,186
ł	Reference Id 2	E2E 2018141191099			0.00		2,044,410,100
ł	Settlement timestamp	2019-04-30 17:04:32.999					
ł	Counterpart country code	PL					
ł	Counterpart party BIC	CBXXPLD0XXX					
ł	Counterpart account BIC						
ł	Counterpart service	CLM					
ł	Beference Id 1	not provided			0.00		0.044.410.190
ł	Reference Id 2	E2E 2018141191225			0.00		2,644,410,186
ł	Settlement timestamp	2019-04-30 17:04:33.041					
ł	Counterpart country code	CZ					
ł	Counterpart party BIC	CBXXCZD0XXX					
ł	Counterpart account BIC	ODAAGEBOAAA					
ł	Counterpart service	CLM					
ł	Reference Id 1	not provided					
ł	Reference Id 2	E2E 2018141191351			0.00		2,644,410,186
ł	Settlement timestamp	2019-04-30 17:04:33.083					
ł	Counterpart country code	GL					
ł	Counterpart country code	CBXXGLD0XXX					
ł	Counterpart account BIC	CBAAGEBOAAA					
ł	Counterpart account BIC	CLM					
ł	Reference Id 1						
ł		not provided			0.00		2,644,410,186
$\left  \right $	Reference Id 2 Settlement timestamp	E2E_2018141191477 2019-04-30 17:04:33.125					
$\left  \right $	Counterpart country code	FO					
ł	Counterpart country code Counterpart party BIC	CBXXFOD0XXX					
$\left  \right $	Counterpart party BIC Counterpart account BIC	CDAAFODUAAA					
ł	Counterpart account bic	CLM					
ł							
$\left  \right $	Reference Id 1	UETR_2018141201071			1,602.54		2,644,408,583
$\left  \right $	Reference Id 2	E2E_2018141201071					
$\left  \right $	Settlement timestamp	2019-04-30 17:48:23.056 KM					
$\left  \right $	Counterpart country code	CBXXKMD0XXX					
$\left  \right $	Counterpart party BIC	CBXXKMDUXXX					
ł	Counterpart account BIC Counterpart service	CLM					
L			_				
	Total number of cash transfers	75		Total sum of cash transfers	86,225,223.58		EoD 2,644,408,583
1	Overall number of cash transfers	93	0	Overall sum of cash transfers	95,936,609.92	96,156,371.39	
							P

# Figure 307 - 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				



Predefined reports Statement reports (STA)

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: i camt.050: Message ID (from BAH) i pacs.004: original UETR i pacs.008: UETR i pacs.009: UETR i pacs.010: UETR i pain.998 ASTI: None <sup>2</sup> If no reference can be found, this field is left empty.
Reference 2	End To End ID 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. <sup>3</sup>
Settlement timestamp Counterpart country code	Settlement timestamp of the cash transfer 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 Balance of account (EoD) is always shown, even if there is no cash transfer during the business day.

<sup>2</sup> For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.

<sup>3</sup> For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.





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 99 - STA01 - Output description

## 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

Data Warehouse 🕺 STA02- S	atement accounts) 🗸	: <b>\$</b> }
🖸 Edit 🖾 🖌 🖘 🔿 🗅 🗸	C	∵ Filte
STA02 - Statement of acc	unt (Co-managed account)	
Run the report with manual or dynamic Da	s:* Manual V Reprompt	
Date From :* Oct 17, 2023	Pate To : Oct 17, 2023	
Keywords: Input keywords here No Rese	<u>a</u>	
Party BIC :*		
Starts with any of the	e keywords v	
Account number :		
	Select all Deselect all	

## Figure 308 - STA02 prompt - Manual

Data Warehouse 🕒 STA02- Statement accounts) 🗸	Q. Search content
	K Search content I k
STA02 - Statement of account (Co-managed account)	
un the report with manual or dynamic Dates :* Dynamic	
Reference Date :* Last Business Date	
Keyvords: Input keyvords here No Renuto	
Party BIC :*	
Starts with any of these keywords v	
Case Insensitive Reprompt	
Account number :	
Select all	
Cancel Finish	

## Figure 309 - 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.		



	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. This field is mandatory			
Party BIC	You can use this search and select prompt to search for the party BIC or short name This field is mandatory			
Account number	You can select here the cash account number for which the account statement should be generated.			
	Only MCA numbers under the selected party BIC can be selected This field is optional.			
Table 100 STA02 Dremat description Manual				

Table 100 - STA02 - Prompt description - Manual



STAU2 – 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: Last Business Day Prior Last Business Day 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 This field is mandatory.						
Account number	You can select here the cash account number for which the account statement should be generated. Only MCA numbers under the selected party BIC can be selected This field is optional.						

# STA02 – Report description – prompt screen - Dynamic





## Screenshot - output screen

	∽ ∩ <b>⊳</b> •	Ç		STA02- Statement of ac	count (co-managed accounts			▼ ≪	: 🗅 💄
<b></b>									
target			STA	02 - Statement of accou	nt (Co-manage	ed account)		DEV - Deve	2021 1 lopment and inte
PBABKPD0XXX - Washi	ington Mutual							DEV - Deve	topment and inte
Date From	: 2019-05-01								
Filters Date To	: 2019-05-31								
Party BIG	: PBABKPD0XXX - Wash er : MACASHPBAAKPD0XX								
	ST. MACASHI DAAR DOAS	ALOHOAOI							
	Account State	ement (single acc	ount)						
National Sorting Cod	de: NSORT0000000076	Currency:	EUR						
Account Type:	CMCA		Penny Lane 771 80000013 Frankfurt						
Account type.	CINICA	Failty Address.	Penny Lane // 10000013 Hankfult						
Place and Date:	Den Haag , 2021-04-23	Created by:	PBABKPD0XXX - Washington Mutual						
Account number : M	MACASHPBAAKPD0XXXEU	JR0A01							
Date: 2019-05-01								Sol	7,211,430,060
							Debit	Credit	Balance
Reference Id 1				UETR. 2018141200906				1.602.54	7.211.431.662
Reference Id 2				E2E_2018141200906				.,	.,,
Settlement timestan				2019-04-30 17:48:23.000					
Counterpart country				KP					
Counterpart party B				CBXXKPD0XXX					
Counterpart account				CBXXKPC001X					
Counterpart service				CLM					
					1			1,602.54 Ec	D 7,211,431,662
Total number of cash t	transiers					Total sum of cash transfers			
Total number of cash 1 Date: 2019-05-02	uansiers					lotal sum of cash transfers		Sol	7,211,430,120
	uansiers					iotai sum or cash transiers	Debit	Sol	D 7,211,430,120 Balance
Date: 2019-05-02	U ALISHOFS					rotal sum of cash transiers	Debit		
Date: 2019-05-02 Reference Id 1 Reference Id 2						rota sum or cash transiers	Debit		Balance
Date: 2019-05-02 Reference Id 1 Reference Id 2 Settlement timestan	πρ					iotal sum or cash transiers	Debit		Balance
Date: 2019-05-02 Reference Id 1 Reference Id 2 Settlement timestam Counterpart country	mp y code					rotal sum or cash transiers	Debit		Balance
Date: 2019-05-02 Reference Id 1 Reference Id 2 Settlement timestan Counterpart country Counterpart party B	mp y code BIC				·	ious sum or cash cansers	Debit		Balance
Date: 2019-05-02 Reference Id 1 Reference Id 2 Settlement timestan Counterpart country Counterpart party B Counterpart account	mp y code BIC th BIC				,	ious sum of cash canners	Debit		Balance
Date: 2019-05-02 Reference Id 1 Reference Id 2 Settlement timestan Counterpart country Counterpart party B	mp y code BIC th BIC				•		Debit		Balance

## Figure 310 - STA02 output (1)

Parternoc 11 Parternoc 12 Parternoc 11 Parternoc 12 Settiment timestamp Countegrat country code Countegrat country code Countegrat count pode Countegrat	nd provided EEE_2018141191275 2019-05-30 77.04/23.000 C2 CBXXX2200XXX CLM EX_201841191401 EEE_201841191401 EEE_201841191401 EEE_201841191401 CBXX8LD0XXX CLM not provided not provided not provided EEE_201841191627 2019-05-30 77.04/23.000 PC_BXXF2000XX			0.00		
Reference ld 2 Betfement timestamp Countrepart toutry code Countrepart toutry BIC Countrepart toutry BIC Countrepart toutry BIC Countrepart toutry BC BC BC BC BC BC BC BC BC BC BC BC BC	EEE_2019411191275           2019-05-30 77.0423.000           CZ           CBXXCE2D00XX           CBXXCE2D00XX           CLM           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CLM           Not provided           EEE_20181419627           2019-05-30 7.0423.000           FO			0.00		7,211,704,64
SetServer timestamp Counterport country code Counterport country code Counterport country code Counterport across Counterport country code Counterport rescript (BIC Counterport service)	EEE_2019411191275           2019-05-30 77.0423.000           CZ           CBXXCE2D00XX           CBXXCE2D00XX           CLM           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CBXD2D00XX           CLM           Not provided           EEE_20181419627           2019-05-30 7.0423.000           FO			0.00		7,211,704,64
Counterpart touthy 'oode Counterpart touthy 'BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart touthy BIC Counterpart tou	2019-05-30 7:04/23.000 CZ CBXXXCZDDXXX CLM not provided E2E_201614191401 2019-05-30 7:04/23.000 GL CEXXXLDXXX CLM not provided E2E_201614191627 2019-05-30 7:04/23.000 FO					
Counterpart party BIC Counterpart service Reference 10 Beference 10 Settlement Investmp Counterpart party BIC Counterpart part parts Counterpart parts Counterpart parts Counterpart sectors Bit Settlement Investmp Counterpart sectors Bit Settlement Investmp Counterpart sectors Bit Settlement Investmp Counterpart sectors Developed Settlement Counterpart sectors Counterpart sectors Counterpart sectors Counterpart sectors Counterpart sectors Bit Settlement Counterpart sectors Counterpart sectors Counterpa	CBXXX2DDXXX CLM not provided E2E_20194191401 2019-05-30 17:04/2.000 GL CDKXXLDDXXX CLM not provided E2E_201941419627 2019-05-30 17:04/2.000 F0					
Counterpart account BIC Counterpart account BIC Counterpart are virole Reference Id 1 Betternere Id 2 Settlement timestamp Counterpart party BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC	CLM not provided E2E_201614191401 2019-05-30 7:04/23.000 GR, GBXGLD00XX CDM CDM Not provided E2E_201614195027 2019-05-30 7:04/23.000 FO					
Counterpart service Reference Id Reference I	net provided EEE_201644194001 2018-05-30 17:04/23.000 GL CEMXGLD00XX CLM not provided EEE_2016141191527 2019-05-30 17:04/23.000 FO					
Reference Id 1 Reference Id 2 Bettlement timestamp Counterpart country ocde Counterpart country ocde Counterpart service Reference Id 1 Reference Id 1 Reference Id 1 Reference Id 2 Settlement timestamp Counterpart country Code Counterpart are service Counterpart are service Counterpart are service Counterpart are service	net provided EEE_201644194001 2018-05-30 17:04/23.000 GL CEMXGLD00XX CLM not provided EEE_2016141191527 2019-05-30 17:04/23.000 FO					
Reference Id 2 Settlement limitator Counterpart part limitator Counterpart part part Counterpart part part Counterpart account BIC Counterpart envice Reference Id Reference Id Reference Id Counterpart country code Counterpart operative BIC Counterpart operative BIC Counterpart operative BIC Counterpart envice Counterpart envice D Counterpart e	E2E_201541191401 2019-05-30 17:04:23.000 GL CEBX/GLD/DXXX CLM not provided E2E_201614119627 2019-05-30 17:04:23.000 FO					7,211,704,644
Settement timestamp Counterpart countly code Counterpart party BIC Counterpart taxourut BIC Counterpart taxourut BIC Counterpart taxourut BIC Bettement timestamp Counterpart outry code Counterpart any BIC Counterpart account BIC Counterpart account BIC	2019-05-30 17:04:23.000 GL CBXXGLD0XXX CLM not provided Ef2 g016141191527 2019-05-30 17:04:23.000 FO					
Counterpart party BIC Counterpart party BIC Counterpart account BIC Counterpart account BIC Reference Id Reference Id Counterpart party account party Counterpart party BIC Counterpart party BIC Counterpart party BIC Counterpart account BIC	GL CBXXGLD0XXX CLM not provided E2E_2018141191527 2019-05-30 17:04-23.000 FO			0.00		7,211,704,644
Counterpart tourtry BIC Counterpart account BIC Counterpart account BIC Counterpart account BIC Reference Id Reference Id Destination Id Counterpart Id Counterpart Id Counterpart Id Counterpart Counterpart Id Counterpart Id Counter	CBXXGLD0XXX CLM not provided E2E_2018141191527 2019-05-30 17:04:23.000 FO			0.00		7,211,704,644
Countempart party BIC Countempart service Reference 10 1 Reference 10 1 Settlement Intenstrup Countempart country code Countempart and y BIC Countempart and y BIC Countempart account BIC	CLM not provided E2E_2018141191527 2019-05-30 17:04.23.000 FO			0.00		7,211,704,644
Counterpart account BIC Counterpart account BIC Destrements evice Reference Id 2 Statistment finestamp Counterpart part ocourty good Counterpart part y BIC Counterpart account BIC Counterpart account BIC	not provided E2E_2018141191527 2019-05-30 17:04:23.000 FO			0.00		7,211,704,644
Counterpart service Reference 10 Reference 10 Reference 10 Settlement timestamp Counterpart oputly BIC Counterpart approxity BIC Counterpart approxity BIC Counterpart associat BIC Counterpart associat BIC Counterpart associat BIC Counterpart associat BIC Counterpart associat BIC BIC BIC BIC BIC BIC BIC BIC BIC BIC	not provided E2E_2018141191527 2019-05-30 17:04:23.000 FO			0.00		7,211,704,644
Reference id 2 Settlement timestamp Counterpart country code Counterpart part profile Counterpart part profile Counterpart account BIG Counterpart service	E2E_2018141191527 2019-05-30 17:04:23.000 FO			0.00		7,211,704,644
Settlement timestamp Counterpart country code Counterpart party BIC Counterpart account BIC Counterpart account BIC	E2E_2018141191527 2019-05-30 17:04:23.000 FO			0.00		7,2,11,104,044
Settlement timestamp Counterpart country code Counterpart party BIC Counterpart account BIC Counterpart account BIC	2019-05-30 17:04:23.000 FO					
Counterpart country code Counterpart party BIC Counterpart account BIC Counterpart service	FO					
Counterpart party BIC Counterpart account BIC Counterpart service						
Counterpart account BIC Counterpart service						
Counterpart service						
	CLM					
	UETR 2018141201121			1.602.54		7.211.703.041
Reference Id 2	E2E_2018141201121			1,002.04		1,211,100,041
Settlement timestamp	2019-05-30 17:48:23.000					
Counterpart country code	KP					
Counterpart party BIC	CBXXKPD0XXX					
Counterpart account BIC	CBXXKPC001X					
Counterpart service	CLM					
Total number of cash transfers		73	Total sum of cash transfers	106,277,273.36	106,548,514.98 E	EoD 526,451,111,77
Date: 2019-05-31					S	oD 7,211,431,860
				Debit	Credit	Balance
Reference Id 1	1					7,211,431,860
Reference Id 2						r,e (1,431,000.
Settlement timestamp						
Counterpart country code						
Counterpart party BIC						
Counterpart account BIC						
Counterpart service						
Total number of cash transfers			Total sum of cash transfers		E	EoD 7,211,431,860
Overall number of cash transfers		90	Overall sum of cash transfers	114,046,391.32	114,319,235.48	
ORU82000021 - PBABKPD0 (NOR) Normal						P

Figure 311 - 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
	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.
Reference Id 1	Depending on the message that caused the cash transfer, the following reference type is listed:
	camt.050: Message ID (from BAH)
	pacs.009: UETR
	pacs.010: UETR
	I pain.998 ASTI: none <sup>4</sup>
	If no reference can be found, this field is left empty.
Reference Id 2	End To End ID
	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. <sup>5</sup>
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

<sup>4</sup> For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.

<sup>5</sup> For cash transfer orders delivered via pain.998, the source system does not provide any business identifiers of the single transactions.



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
	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	Total volume over all business days within the selected date range
transfers	
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 102 - STA02 - Output description

# 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

taı	rg€t			New report 🗸	T	%	۵	<b>_</b>	0
☆	TRN01	- Cash transfer (order) search a	ind details						
0	Diagon agin	t the group of criteria you wish to perform your	search .* by Transaction Reference	Reprompt					
		et the group of criteria you wish to perform your	search : by transaction Reference	Reprompt					
b		Keywords:							
8		201814017530001							
0		201814017530001							
	Reference :								
		Starts with any of these keywords 🗸							
		Case Insensitive							
2		Cancel Finish							
÷									

Figure 312 - TRN01 prompt (1) – by transaction reference



# TRN01 - Cash transfer (order) search and details

Please select the group of crite	ria you wish to per	form your	search : * b	y Business Chara	cteristics ~	Reprompt
	Select	by Busine	ess Character	ristics		
Date From :*	Feb 17, 2023	<b>.</b>	Date To:*	Feb 17, 2023	<b>.</b>	
	Keywords:					
	Input keywords h	iere	Q			
Debited / Credited party BIC : *		Results				
	Starts with any of Case Insensi	111	eywords 🗸			
	Keywords:					
	Input keywords h	iere	Q			
	No	Results				
Sender / Receiver BIC :						

Figure 313 - TRN01 prompt (2) - by business characteristics



	<ul> <li>Case Insensitive</li> <li>Keywords:</li> </ul>	
	Input keywords here	
	No Results	
Sender / Receiver BIC	-	
Sender / Receiver BIC	2	
	Starts with any of these keywords $ \!$	
	Case Insensitive	
Message Type	: If none selected, all will be included $ \smallsetminus $	
Service	If none selected, all will be included $ \!$	
Status	: If none selected, all will be included $ \smallsetminus $	
Amount From	5	To:
		Cancel Finish

Figure 314 - 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. This field is mandatory.
Search by Business Characteristics	
Date From	You can select the date by clicking on the calendar.
	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, current day cannot be selected.
	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.
	The possible values are built from parties within the user's data scope.
	This field is mandatory.
Sender/receiver BIC	You can use this drop-down field to select the BIC of the sending resp. receiving party
	The possible values are built from parties within the user's data scope.
	This field is optional.
Message Type	You can use this drop-down field to restrict the result list to one message type.
	Possible Values:
	I camt.050
	pacs.004
	pacs.008
	pacs.009



	pacs.010
	I pain.998 (ASTI) This field is optional.
Service Type	This drop-down field offers the possibility to select between the services CLM or RTGS. This field is optional.
Status	You can use this drop-down field to restrict the result list to one status. Possible Values: Partially settled Revoked Reversed Rejected Settled Warehoused
	This field is optional.
Amount from/to	You can use these fields to search for a certain amount or amount range.
	This field is optional.

Table 103 - TRN01 - Prompt description

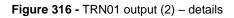


#### Screenshot - output screen

Ĩ				11						2021-04
	target			TRM	101 -	Cash transfer (order)	search		DEV - Developmer	12:1 t and integr
8-	CBXXKMD0XXX - Central Bank Filters Transaction Reference									
	milers mansaction relevance	. 201814017330001				Transaction search at : 2019-11-12 Currency : EUR				
	CBXXKMD0XXX as Sender									
	Transaction Reference Number	Sender Message Reference	Message Type	Service	Status	Debited Account Number	Debited Account BIC	Credited Account Number	Credited Account BIC	Amou
	201814017530001	not provided	pacs.008	RTGS	Settled	RTGSCBCBXXKMD0XXXEUR0A01	CBXXKMR001X	RTGSDCPBBHKMD0XXXEUR0A01	PBBHKMR001X	14,000.0
	201014017330001	not provided						The boy burning of the state		
		The providence								

## Figure 315 - TRN01 output (1) – by transaction reference

target	TRN01 - Cash transfer (order) details IAC - Internal User Accept	023-01-05 15:35:03 tance Tes
CBXXAQD0XXX - CSLD BBK QM D Transaction Detail	WH Test CB1	
Business Date	2022-12-07	
Entry Timestamp	20/2-1-2/1 07 37/40 PM 20/2-1-2/1 07 37/40 PM	
UETR	zuzz-tzer utsztar mem Notprovided	
End-to-End Reference	Not proved	
Instruction Identification	c 12/1 / 13/20/4 13/9 Not provided	
Transaction Identification	NOL FORMED 61700000	
Clearing System Reference	or isolo	
Setlement Reference	Too provided	
Sender Message Reference	NOL PUTWER	
Message ID	012/102201139	
Transaction Reference Number	5/13600	
Message Type	Gristod	
Sender BIC	Cality of Cality of Calify Cal	
Sender Name	CSLD BBK (MDWH Test CB1-PB4	
Receiver BIC	Network and the second s	
Receiver Name	Invince Food	
Debited Account BIC	PBADAGC001X	
Debited Account Number	MacAshipapadpdDXXxEUR0401	
Type of Debited Account	Min Cash Account	
Credited Account BIC	CBXXAQC001X	
Credited Account Number		
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	-Apple and the "this to still be 20022 betward and 01 00 11" minner in "this Univer v3 or g202009/bindledge" and the "this University" and the state "this University" and the state and	





# Predefined reports

Transaction reports (TRN)

Amount 1.778.77 845.55 778.77 845.55

#### target

#### 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

 Deter For

 Deter For

 :2023-02-01

 Date For

 Deter For

 :2023-02-01

 Deter For

 :2023-02-01

 Deter For

 :2023-02-01

 Deter For

 :2023-02-01

	Transaction search at : Feb 1, 2023 Currency : EUR									
BAAAQD0XXX as De	bited Party									
Transaction Reference Number	Sender Message Reference	Message Type	Service Type	Sender BIC	Receiver BIC	Status	Debiled Account Number	Debited Account BIC	Credited Account Number	Credited
Transaction Reference Number 7401858.00	Sender Message Reference B020109695254605	Message Type page 010	Service Type CLM	Sender BIC CBXXAQDDXXX	Receiver BIC TROTXETTCLM	Status Revoked	Debited Account Number MACASHPBAAAQDOXXXEUR0A01	Debited Account BIC PBAAAQC001X	Credited Account Number CLMCBKCBXXAQC001XEUR0001	
										Credited CBXXAC CBXXAC
7401859.00	B020109595254605	paga.010	CLM	CBXXAQD0XXX	TROTXETTCLM	Revoked	MACASHPBAAAQD0XXXEUR0A01	PBAAAQC001X	CLMCBKCBXXAQC001XEUR0001	CBXXAC
7401858.00 7401885.00	B020109595254605 B020110060346501	pacs.010 cam1.050	CLM CLM	CBXXAQDDXXX PBAAAQDQXXX	TROTXETTCLM TRGTXETTCLM	Revoked Revoked	MACASHPBAAAQD0XXXEUR0A01 MACASHPBAAAQD0XXXEUR0A01	PBAAAQC001X PBAAAQC001X	CLMCBHCBXXAQC001XEUR0001 CLMCBHCBXXAQC001XEUR0001	CBXXAG

500360710 - NoLastName User-DWH-CB1-U1-CBXXAQD0XXX

Version 0.01-13 R00 / 2023-01-30

Page: 1 of ?

#### Figure 317 - TRN01 output (3) - by business characteristics

target		TRN01 - Cash transfer (order) details	2023-02- 10:55: IAC - Internal User Acceptance Te
BXXAQD0XXX - CSLD BBK QM I	DWH Test CB1		
Transaction Detail			
Business Date	2023-02-01		
Entry Timestamp	2023-02-01 10:00:39.363		
UETR	456b59d9-4f73-4211-8cd5-c3b621db2971		
End-to-End Reference	E020109595254605		
Instruction Identification	TC13		
Transaction Identification	7401859		
Clearing System Reference	Not provided		
Setlement 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 318 - TRN01 output (4) - details



Predefined reports

Transaction reports (TRN)

EXXMMDOXXX - Central Bank of Fic ransaction Detail suriness Date 20	tion	TRN01 - Cash transfer (order) details	2021-04 12:32
BXXKMD0XXX - Central Bank of Fic	ction	TRN01 - Cash transfer (order) details	12:32
fransaction Detail	tion		DEV - Development and integral
			DEV - Development and integra
Business Date 20			
	019-06-30		
Entry Timestamp 20	019-06-30 05:04:23 PM		
JETR U	ETR_2018141191223		
End-to-End Reference E	2E_2018141191223		
nstruction Identification no	ot provided		
Transaction Identification 20	018141191223		
Clearing System Reference no	ot provided		
Setlement Reference no	ot provided		
Sender Message Reference no	ot provided		
/essage ID no	ot provided		
Transaction Reference Number 20	018141191223		
Message Type ca	amt.050		
	BAAKMDOXXX		
ender Name B	anco de Isthmus		
	BXXCZD0XXX		
Receiver Name Č	eská Národní Banka		
	BAAKMC001X		
	IACASHPBAAKMD0XXXEUR0A01		
Type of Debited Account M	ICA		
redited Account BIC			
Credited Account Number			
Type of Credited Account			
	.00		
	UR		
	inal		
	lot Reversed		
Timestamp of Effective Settlement 20			
Error Code 0			

Figure 319 - 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	or "Credited party BIC". In each table every cash transfer order is			
listed with following data (sorted by transaction refe	erence 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			
	Possible values:			
	camt.050			
	l pacs.004			
	pacs.008			
	I pacs.009			
	pacs.010			
	pain.998 (ASTI)			



	I Unknown
Service	Service for which the data is displayed. Possible values: I CLM I 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. Possible values: Varehoused Settled Reversed Revoked Rejected Cancelled
Debited Account Number	Debited account number 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 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 104 - 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 <sup>6</sup>



Predefined reports Transaction reports (TRN)

End-to-End Reference	End-to-End-Transaction Reference <sup>7</sup>
Instruction Identification	Instruction Identification <sup>8</sup>
Transaction Identification	Transaction Identification <sup>9</sup>
Clearing System Reference	Clearing System Reference <sup>10</sup>
Settlement Reference	Settlement Reference <sup>11</sup>
Sender Message Reference	Sender Message Reference <sup>12</sup>
Message ID	Message ID
Transaction Reference Number	Technical Identifier of the transfer
Message Type	Message Type Possible values: camt.050 pacs.004 pacs.008 pacs.009 pacs.010 pain.998 (ASTI)
Sender BIC	Party BIC of the sender (can be empty)
Sender Name	Sender Name (can be empty)
Receiver BIC	Party BIC of the receiver (can be empty)
Receiver Name	Receiver name (can be empty)

<sup>6</sup> 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.

- 11 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.
- 12 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.

<sup>7</sup> 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.

<sup>8</sup> 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.

<sup>9</sup> 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.

<sup>10</sup> 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.



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
	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
	Possible Values:
	I RTGS DCA
	RTGS CB account
	AS guarantee funds account
	RTGS sub-account
	AS technical account
	CLM dedicated transit account in RTGS
	I MCA
	CLM CB account
	Overnight deposit account
	Marginal lending account
	ECB mirror account
	CB ECB account
	Technical account for CONT settlement
	T2S dedicated transit account in CLM
	I TIPS dedicated transit account in CLM
	RTGS dedicated transit account in CLM
Credited Account BIC	Credited account BIC
Credited Account Number	Credited account number
	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
	Possible Values:



	I RTGS DCA
	RTGS CB account
	AS guarantee funds account
	RTGS sub-account
	AS technical account
	CLM dedicated transit account in RTGS
	I MCA
	CLM CB account
	Overnight deposit account
	Marginal lending account
	ECB mirror account
	CB ECB account
	I Technical account for CONT settlement
	T2S dedicated transit account in CLM
	I TIPS dedicated transit account in CLM
	RTGS dedicated transit account in CLM
Amount of Payment	RTGS dedicated transit account in CLM Amount of payment
Amount of Payment Currency of Payment	
	Amount of payment
Currency of Payment	Amount of payment Currency of payment
Currency of Payment	Amount of payment Currency of payment Status description.
Currency of Payment	Amount of payment Currency of payment Status description.
Currency of Payment	Amount of payment Currency of payment Status description. I Warehoused I Settled
Currency of Payment	Amount of payment Currency of payment Status description. Varehoused Settled Rejected
Currency of Payment	Amount of payment Currency of payment Status description. Warehoused Settled Rejected Reversed
Currency of Payment	Amount of payment Currency of payment Status description. Warehoused Settled Rejected Reversed Reversed
Currency of Payment Settlement Status Description	Amount of payment Currency of payment Status description. Warehoused Settled Rejected Reversed Reversed Cancelled
Currency of Payment Settlement Status Description	Amount of payment Currency of payment Status description.  Varehoused  Settled  Rejected  Reversed  Revoked  Cancelled Reversed payment indicator.
Currency of Payment Settlement Status Description	Amount of payment Currency of payment Status description. I Warehoused I Settled I Rejected I Reversed I Revoked I Cancelled Reversed payment indicator. Possible values:
Currency of Payment Settlement Status Description	Amount of payment Currency of payment Status description. Varehoused Settled Rejected Reversed Reversed Cancelled Reversed payment indicator.



Error Code	Error code (if provided)
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 105 - TRN01 - Report description - Details

## 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

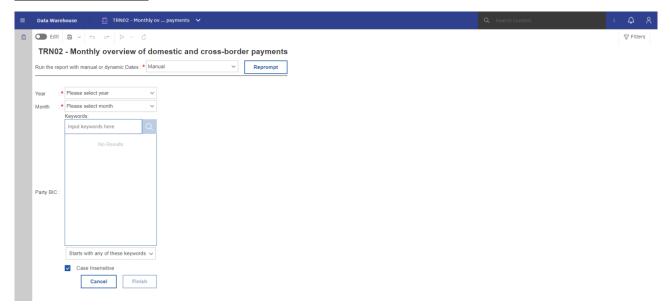


Figure 320 - TRN02 prompt – Manual



Data Warehouse 🔀 TRNC	2 - Monthly ov payments 🗸 🗸	: Q
)Edit 🖺 ∽ 🕤 ⊂ D	~ C	⊽ Filter
TRN02 - Monthly overvi	ew of domestic and cross-border payments	
Run the report with manual or dynamic	bates:* Dynamic V Reprompt	
Reference Month :*	Current Month V	
Number of Months (Incl. Ref. Month):*	Reference Month 🗸	
	Keywords:	
	Input keywords here	
Party BIC :	No Results	
	Starts with any of these keywords v Case Insensitive Cancel Finish	

## Figure 321 - 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. This field is mandatory.				
Month	You can use this drop-down field to select the month, from which the report should contain the data. For valid report results, the current month cannot be selected. 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. This field is optional.				

#### Table 106 - TRN02 - Prompt description - Manual



RN02 – 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: Current Month Previous Month 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. The system will automatically calculate the start of the date range based upon the date at the time of execution. 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. This field is optional.				

## TRN02 – Report description – prompt screen - Dynamic

Table 107 - TRN02 - Prompt description - Dynamic

#### Screenshot - output screen

	n n 🕑	· C						TRNUZ - M	tonthly overview of cross-border payments 🗸 🗸	▼ … ≪ ,
arget					TRN	02 - Mo	onthly ov	erview	of domestic and cross-border payments	DEV - Developme
ORMDOXXX										Dev - Developmen
Year : 2019										
Month : January										
									Currency EUR	
Customer Payments										
National Sorting Code	Party BIC	Party Name	Message Type	Domestic/Cross Border	Debit/Credit	Volume		Value		
NSORT0000000058		Banco de Isthmus		Cross Border	Credit			19,350,701.46		
NSORT0000000058		Banco de Isthmus		Cross Border	Debit			6,753,236.72		
NSORT0000000058	PBAAKMDOXXX	Banco de Isthmus	pacs.008	Domestic	Credit	23	0,106	6,903,799.96		
NSORT0000000058	PBAAKMDOXXX	Banco de Isthmus	pacs.008	Domestic	Debit	65	,930	1,978,345.58		
NSORT0000000059	PBABKMD0XXX	Gringotts Bank	pacs.008	Cross Border	Credit		2,912	87,432.05		
NSORT0000000059	PBABKMD0XXX	Gringotts Bank	pacs.008	Cross Border	Debit	2	,534	706,182.20		
						Total 1,192	580 Total 3	5,779,697.98		
nterbank Payments						Total 1,192	1,580 Total 3	5,779,697.98		
nterbank Payments National Sorting Code	Party BIC	Party Name	Message Type	Domestic/Cross Border	Debit/Credit	Total 1,192 Volume	value	5,779,697.98		
		Party Name Banco de isthmus		Domestic/Cross Border Cross Border	Debit/Credit Credit			5,779,697.98		
National Sorting Code	PBAAKMDOXXX		camt.050			Volume	Value	5,779,697.98		
National Sorting Code	PBAAKMD0XXX PBAAKMD0XXX	Banco de Isthmus Banco de Isthmus	camt.050 camt.050	Cross Border	Credit	Volume 209,014	Value 6,270,862.78	5,779,697.98		
National Sorting Code NSORT00000000058	PBAAKMDOXXX PBAAKMDOXXX PBAAKMDOXXX	Banco de Isthmus Banco de Isthmus	camt.050 camt.050 camt.050	Cross Border Cross Border	Credit Debit	Volume 209,014 123,896	Value 6,270,862.78 3,717,430.60	5,779,697.98		
National Sorting Code NSCRT0000000058 NSCRT0000000058	PBAAKMDOXXX PBAAKMDOXXX PBAAKMDOXXX PBAAKMDOXXX PBAAKMDOXXX	Banco de isthmus Banco de isthmus Banco de isthmus Banco de isthmus Banco de isthmus	cam1.050 cam1.050 cam1.050 cam1.050 pacs.009	Cross Border Cross Border Domestic Domestic Cross Border	Credit Debit Credit Debit Credit	Volume 209,014 123,896 61,226 862,660 261,228	Value 6,270,862.78 3,717,430.60 1,837,035.20 16,880,586.40 7,837,415.02	5,779,697.98		
National Serting Code NBORT0000000058 NSORT0000000058 NSORT0000000058 NSORT0000000058 NSORT0000000058	PBAAKMDOXXX PBAAKMDOXXX PBAAKMDOXXX PBAAKMDOXXX PBAAKMDOXXX PBAAKMDOXXX	Banco de Isthmus Banco de Isthmus Banco de Isthmus Banco de Isthmus Banco de Isthmus Banco de Isthmus	camt.050 camt.050 camt.050 camt.050 pacs.009 pacs.009	Cross Border Cross Border Domestic Domestic Cross Border Cross Border	Credit Debit Credit Debit Credit Debit	Volume 209,014 123,896 61,226 562,660 261,228 694,616	Value 6,270,862.78 3,717,430.60 1,837,035.20 16,880,886.40 7,837,415.02 20,839,216.92	5,779,697.98		
National Serting Code NSORT0000000058 NSORT0000000058 NSORT0000000058 NSORT0000000058 NSORT0000000058 NSORT0000000058	PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX	Banco de isthmus Banco de isthmus	camt.050 camt.050 camt.050 camt.050 pacs.009 pacs.009 pacs.009	Cross Border Cross Border Domestic Domestic Cross Border	Credit Debit Credit Debit Credit Debit Credit	Volume 209,014 123,896 61,226 582,660 261,228 694,616 418,040	Value 6.270,862.78 3,717,430.60 1,837,035.20 16,880,586.40 7,837,415.02 20,839,216.92 12,541,725.66	5,779,697.98		
National Sorting Code NSORT0000000058 NSORT0000000058 NSORT0000000058 NSORT0000000058 NSORT0000000058 NSORT0000000058	PEAAKMDOXXX PEAAKMDOXXX PEAAKMDOXXX PEAAKMDOXXX PEAAKMDOXXX PEAAKMDOXXX PEAAKMDOXXX PEAAKMDOXXX	Banco de isthmus Banco de isthmus	camt.050 camt.050 camt.050 camt.050 pacs.009 pacs.009 pacs.009 pacs.009	Cross Border Cross Border Domestic Domestic Cross Border Cross Border Domestic Domestic	Credit Debit Credit Debit Credit Debit Credit Debit	Volume 209,014 123,696 61,225 562,660 261,228 694,615 418,040 247,816	Value 6.270,862.78 3,717,430.60 1,837,035.20 16,880,586.40 7,837,415.02 20,839,216.92 12,541,726.66 7,434,861.52	5,779,697.98		
National Sorting Code NISCHT00000000058 NISCHT00000000058 NISCHT00000000058 NISCHT0000000058 NISCHT0000000058 NISCHT0000000058	PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX PEAAMDOXXX	Banco de isthmus Banco de isthmus	camt.050 camt.050 camt.050 camt.050 pacs.009 pacs.009 pacs.009 pacs.009 pacs.009	Cross Border Cross Border Domessio Cross Border Cross Border Cross Border Domessio Domessio	Credit Debit Credit Debit Credit Debit Credit Debit Credit	Volume 209,014 123,896 61,226 562,660 261,228 694,615 418,040 247,816 20,608	Value 6.270.862.78 3.717,430.60 1.837,035.20 16,880,586.40 7,837,415.02 20,839,216.92 12,541,725.66 7,434,861.52 918,517.54	5,779,697.98		
National Sorting Code NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058	PBAAKMODXXX PBAAKMODXXX PBAAKMODXXX PBAAKMODXXX PBAAKMODXXX PBAAKMODXXX PBAAKMODXXX PBAAKMODXXX PBAAKMODXXX	Banco de isthmus Banco de isthmus	camt.050 camt.050 camt.050 camt.050 pacs.009 pacs.009 pacs.009 pacs.009 pacs.010 pacs.010	Cross Border Cross Border Domessio Cross Border Cross Border Domessio Domessio Cross Border Cross Border	Credit Debit Credit Credit Debit Credit Debit Credit Debit Credit Debit	Volume 209,014 123,896 61,226 562,660 261,228 694,615 418,040 247,616 30,608 281,320	Value 6.270.862.78 3.717.430.60 1.8370.35.20 16.880.586.40 7.837.415.02 20.839.216.92 12.541.725.66 7.434.861.52 918.517.54 8,440.293.04	5,779,607.98		
National Sorting Code NECRT00000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058	РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ	Banco de isthmus Banco de isthmus	camt.050 camt.050 camt.050 camt.050 pacs.009 pacs.009 pacs.009 pacs.009 pacs.010 pacs.010	Cross Border Cross Border Domesio Domesio Cross Border Cross Border Domesio Cross Border Cross Border Cross Border Domesio	Credit Debit Credit Debit Credit Debit Credit Debit Credit Debit Credit Debit Credit	Volume 209,014 123,896 61,225 562,660 261,228 694,615 418,040 247,816 30,608 281,220 1,290,028	Value 6.270,862.78 3.717,430,60 1.837,035,20 16,880,586,40 7,837,4150 212,541,726,66 7,434,861,52 918,517,54 8,440,293,04 38,701,402,96	5,779,697.98		
National Sorting Code NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058 NSCRT0000000058	РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ РВААКМООКХХ	Banco de isthmus Banco de isthmus	camt.050 camt.050 camt.050 camt.050 pacs.009 pacs.009 pacs.009 pacs.009 pacs.010 pacs.010 pacs.010	Cross Border Cross Border Domessio Cross Border Cross Border Domessio Domessio Cross Border Cross Border	Credit Debit Credit Credit Debit Credit Debit Credit Debit Credit Debit	Volume 209,014 123,896 61,225 562,660 261,228 694,615 418,040 247,816 30,608 281,220 1,290,028	Value 6.270.862.78 3.717.430.60 1.8370.35.20 16.880.586.40 7.837.415.02 20.839.216.92 12.541.725.66 7.434.861.52 918.517.54 8,440.293.04	5,779,697.98		

Top 🛧 Page up 🔸 Page down 🛓 Bottom

Figure 322 - TRN02 output (1)



≞													
ta	arget		TRN02	2 - Month	ly overview of	domes	tic and cr	oss-border p	ayments				20
CBXXI	KMD0XXX									L	JEV - D€	velopmen	and in
Filters	Year : 2019 Month : January												
	(interaction of the second sec												
						Currency EU	R						
Inte	erbank Payments												
Na	ational Sorting Code	Party BIC	Party Name	Message Type	Domestic/Cross Border	Debit/Credit	Volume	Value					
NS	SORT0000000058	PBAAKMD0XXX	Banco de Isthmus	pain.998	Domestic	Credit	522,476	15,674,830.26					
NS	SORT0000000058	PBAAKMD0XXX	Banco de Isthmus	pain.998	Domestic	Debit	1,389,260	41,678,434.06					
NS	SORT0000000059	PBABKMD0XXX	Gringotts Bank	camt.050	Cross Border	Credit	21,854	655,740.62					
NS	SORT0000000059	PBABKMD0XXX	Gringotts Bank	camt.050	Cross Border	Debit	210,594	6,317,977.20					
NS	ORT0000000059	PBABKMD0XXX	Gringotts Bank	pacs.009	Cross Border	Credit	37,300	1,119,130.64					
NS	SORT0000000059	PBABKMD0XXX	Gringotts Bank	pacs.009	Cross Border	Debit	3,134	94,157.60					
NS	SORT0000000059	PBABKMD0XXX	Gringotts Bank	pacs.010	Cross Border	Credit	57,116	1,713,668.88					
NS	ORT0000000059	PBABKMD0XXX	Gringotts Bank	pacs.010	Cross Border	Debit	40,168	1,205,217.66					
NS	SORT0000000059	PBABKMD0XXX	Gringotts Bank	pain.998	Cross Border	Credit	195,550	5,866,693.14					
NS	SORT0000000059	PBABKMD0XXX	Gringotts Bank	pain.998	Cross Border	Debit	61,508	1,845,489.58					
							Total 7,317,616	Total 219,538,233.60					
NORU	82000001 - CBXXKN	ID0 (NOR) Normal											Pag

## Figure 323 - TRN02 output (2)

## **Output description**

TRN02 – Report description – output s	creen
The currency will be displayed above the	table
Field label	Description
One table for "Interbank payments" and o and then by party BIC:	one table for "Customer payments" with following data, sorted by message type
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.
	Possible Values:
	camt.050
	I pacs.004
	I pacs.008
	I pacs.009
	I pacs.010
	I pain.998 (ASTI)
Domestic/Cross Border	Mark, which identifies whether the displayed aggregation refers to domestic or



	cross border payments.
	Possible values:
	I Domestic
	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. Recalculated automatically on the base of a data subset when the user uses filters.

Table 108 - 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 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

=	Data Warehouse 🖹 TRN03 - Mont transfer orders 🗸	Q Search content	:	Ф <u></u>
	Cometati D v C			⊽ Filters
	TRN03 - Monthly peak day and peak hour in terms of value and volume of cash transfer orders			
	Run the report with manual or dynamic Dates * Manual V Reprompt Service :* Please select the required service V Year From :* Please select the starting year V Year To :* Please select the ending year V			
	Month From .* V Month To .* V			
	Cancel Finish			

## Figure 324 - TRN03 prompt - Manual

Data Warehouse 🔚 TRN03 - Mont transfe	orders 🗸	: <b>4</b>
■ Edit 🖺 🗸 🖘 🗢 ▷ 🗸 🖒		∏ Filt
TRN03 - Monthly peak day and peal	hour in terms of value and volume of cash transfer orders	
Run the report with manual or dynamic Dates : * Dynamic	✓ Reprompt	
Service :* Please select the		
Reference Month :* Current Month	×	
Number of Months (Incl. Ref. Month):* Reference Month	$\sim$	
	Cancel Finish	

## Figure 325 - TRN03 prompt - Dynamic

## Prompt description

TRN03 – Report description – prom	ot screen - Manual
Field label	Description
Service	You can use this drop-down field to select between the services. Possible values:
	I CLM,
	I RTGS.
	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.



	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. For a valid report result, it is necessary to select at least the previous month.
	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.
	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.
	For a valid report result, it is necessary to select at least the previous month.
	This field is mandatory.
Table 109 - TRN03 - Prompt descript	ion - Manual

Table 109 - TRN03 - Prompt description - Manual



TRN03 – Report description – prom	npt screen - Dynamic
Field label	Description
Service	You can use this drop-down field to select between the services. Possible values: CLM, RTGS. This field is mandatory.
Reference Month	Indicates the end-point of the date range for which the dynamic report should contain data. Valid values: Current Month Previous Month 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. The system will automatically calculate the start of the date range based upon the date at the time of execution. This field is mandatory.
Table 110 TDN02 Brownt decarin	tion Dynamic

## TRN03 – Report description – prompt screen - Dynamic

Table 110 - TRN03 - Prompt description – Dynamic



#### Screenshot - output screen

el Bank of Fiction North Ficon : January North To :: May K • MetroCapital Not settled									UCY-DIV	iopment and integ
Month To : May k - MetroCapital										
s K - MetroCapital Not settled										
Not settled										
Not settled										
Not settled										
Not settled										
Provide Provide										
Peak Day		Ped	sk Hour							
Date Value (in million)	Volume 1	Top Date and hour	Value (n million)	Volume						
218-12-17 0.0	802	1 2018-12-17 07:00	0.0	802						
0.0	802	1 2018-12-18 07:00	0.0	802						
0.0	802	1 2018-12-19 07:00	0.0	802						
Date Value (in million)	Volume 1	Top Date and hour	Value (n million)	Volume						
	802	1 2018-12-17 07:00	0.0	802						
0.0	802	1 2018-12-18 07:00	0.0	802						
0.0	802	1 2018-12-19 07:00	0.0	802						
0	late Value (in million) -12-17 0.0 -12-18 0.0	tate Value (in million) Volume -12-17 0.0 802 -12-18 0.0 802	Value (n million)         Volume         Top         Date and hour           r0-r17         0.0         802         1         2018-12-17 07:00           r0-r8         0.0         802         1         2018-12-16 07:00	Intermittion         Volume         Top         Date and hour         Value (n million)           vsb-t17         0.0         802         1         20%-12-17 07:00         0.0           vsb-t2         0.0         802         1         20%-12-16 07:00         0.0	Value (in million)         Volume         Top         Date and hour         Value (in million)         Volume           v3-17         0.0         602         1         2016-12-17 07:00         0.0         802           v2-18         0.0         802         1         2016-12-17 07:00         0.0         802	Value (in million)         Volume         Top         Date and hour         Value (in million)         Volume           vsb-t7         0.0         602         1         20%-t2-t7 01:00         0.0         802           vsb-t8         0.0         602         1         20%-t2-t3 07:00         0.0         802	Value (in million)         Volume         Top         Date and hour         Value (in million)         Volume           v3-17         0.0         602         1         2016-12-17 07:00         0.0         602           v2-18         0.0         602         1         2016-12-13 07:00         0.0         602	Value (in million)         Volume         Top         Date and hour         Value (in million)         Volume           vb/r17         0.0         602         1         2016-12-17 07:00         0.0         602           vb/r2-18         0.0         602         1         2016-12-17 07:00         0.0         602	Value (in million)         Volume         Top         Date and hour         Value (in million)         Volume           vb/r17         0.0         600         1         2016-12-17 07100         0.0         8002           vb/r018         0.0         8002         1         2016-12-17 07100         0.0         8002	Value (in million)         Volume         Top         Date and hour         Volume           10-17         0.0         602         1         2016-12-17 07:00         0.0         802           -12-18         0.0         802         1         2018-12-17 07:00         0.0         802

#### Figure 326 - 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
Party	The party BIC and party short name of the user are shown. Both values are separated by a hyphen "-"
Peak day – in volume	
Тор	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	
Тор	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 hour – in volume	
Тор	Numbers 1 through 5, each in a single row
Hour	Date and hour (as range) this row refers to: yyyy-mm-dd hh.mm – hh.mm
	(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	
Тор	Numbers 1 through 5, each in a single row



Date and Hour	Date and hour (as range) this row refers to:
	yyyy-mm-dd
	hh:mm – hh:mm
	(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 111 - 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.

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 327 - TRN04 prompt - Manual



#### Figure 328 - TRN04 prompt - Dynamic

#### Prompt description

otion
n specify the business day by clicking on the r. d report results, the current day cannot be selected. d is mandatory.
r d





Description
Indicates the end-point of the date range for which the dynamic report should contain data.
Valid values:
Last Business Date
Prior Last Business Date
This field is mandatory.

## Table 113 - TRN04 - Prompt description – Dynamic

## Screenshot - output screen

<b>1</b>									
Cash transfer	; per time ba	nd and CB Evolutio	n of cash transfer volume	es (Graph) Evolution	on of cash trar	nsfer values (Graph)			
targ	et	3							
-	and the second s		DEV - Development and inte						
BXXKMD0XX		ank of Fiction							
ilters Date : 2	019-01-07								
Cash transfer for CLM	s per time b	and and CB							
for CLM Currency : El	R								
currency. Lo									
			Volume				Value		
Time band	Domestic	Cross border debited	Cross border credited	Cumulated volume	Domestic	Cross border debited	Cross border credited	Cumulated value	
06:45	100	20	10	130	1,000.00	100.00	50.00	1,150.00	
	150	40	20	210	1,500.00	200.00	100.00	1,800.00	
07:00	200	60	30	290	2,000.00	300.00	150.00	2,450.00	
07:00 07:15	200								
	200	80	40	370	2,500.00	400.00	200.00	3,100.00	
07:15		80	40 50	370 450	2,500.00 3,000.00	400.00	200.00 250.00	3,100.00 3,750.00	
07:15 07:30	250								
07:15 07:30 07:45	250 300	100	50	450	3,000.00	500.00	250.00	3,750.00	
07:15 07:30 07:45 08:00	250 300 350	100 120	50 60	450 530	3,000.00 3,500.00	500.00 600.00	250.00 300.00	3,750.00 4,400.00	
07:15 07:30 07:45 08:00 08:15	250 300 350 400	100 120 140	50 60 70	450 530 610	3,000.00 3,500.00 4,000.00	500.00 600.00 700.00	250.00 300.00 350.00	3,750.00 4,400.00 5,050.00	
07:15 07:30 07:45 08:00 08:15 08:30	250 300 350 400 450	100 120 140 160	50 60 70 80	450 530 610 690	3,000.00 3,500.00 4,000.00 4,500.00	500.00 600.00 700.00 800.00	250.00 300.00 350.00 400.00	3,750.00 4,400.00 5,050.00 5,700.00	
07:15 07:30 07:45 08:00 08:15 08:30 08:45	250 300 350 400 450 1,500	100 120 140 160 1,000	50 60 70 80 300	450 530 610 690 2,800	3,000.00 3,500.00 4,000.00 4,500.00 15,000.00	500.00 600.00 700.00 800.00 20,000.00	250.00 300.00 350.00 400.00 8,000.00	3,750.00 4,400.00 5,050.00 5,700.00 43,000.00	
07:15 07:30 07:45 08:00 08:15 08:30 08:45 09:00	250 300 350 400 450 1,500 2,550	100 120 140 160 1,000 1,840	50 60 70 80 300 520	450 530 610 690 2,800 4,910	3,000.00 3,500.00 4,000.00 4,500.00 15,000.00 25,500.00	500.00 600.00 700.00 800.00 20,000.00 39,200.00	250.00 300.00 350.00 400.00 8,000.00 15,600.00	3,750.00 4,400.00 5,050.00 5,700.00 43,000.00 80,300.00	

Figure 329 - TRN04 output (1)

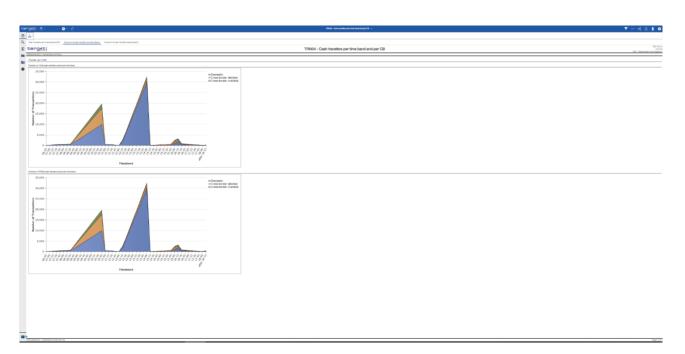


Predefined reports

Transaction reports (TRN)

Cash transfe	s per time band and	CB Evolution of ca	ish transfer volumes (	Graph) Evoluti	on of cash tran	sfer values (Graph)			
10.10	10,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2000	10,000	00,000.00	01,000.00	20,000.00	00,000.00	
13:30	22,000	1,300	400	23,700	40,000.00	45,000.00	32,000.00	117,000.00	
13:45	26,000	1,500	700	28,200	45,000.00	52,500.00	37,500.00	135,000.00	
14:00	30,000	1,700	800	32,500	50,000.00	60,000.00	43,000.00	153,000.00	
14:15	50	40	30	120	100,000.00	15,000.00	200,000.00	315,000.00	
14:30	70	100	10	180	150,000.00	8,000.00	35,000.00	193,000.00	
14:45	90	160	20	270	155,000.00	8,500.00	37,000.00	200,500.00	
15:00	110	220	25	355	160,000.00	9,000.00	39,000.00	208,000.00	
15:15	130	280	30	440	165,000.00	9,500.00	41,000.00	215,500.00	
15:30	150	340	60	550	170,000.00	10,000.00	43,000.00	223,000.00	
15:45	170	400	80	650	175,000.00	10,500.00	45,000.00	230,500.00	
16:00	1,000	1,000	500	2,500	200,000.00	8,000.00	37,000.00	245,000.00	
16:15	2,000	800	450	3,250	180,000.00	12,000.00	25,000.00	217,000.00	
16:30	400	350	100	850	1,000.00	800.00	500.00	2,300.00	
16:45	350	300	80	730	900.00	700.00	400.00	2,000.00	
17:00	300	250	60	610	800.00	600.00	300.00	1,700.00	
17:15	250	200	40	490	700.00	500.00	200.00	1,400.00	
17:30	200	150	20	370	600.00	400.00	100.00	1,100.00	
17:45	150	100	0	250	500.00	300.00	0.00	800.00	
18:00	100	50	5	155	400.00	200.00	50.00	650.00	
after 18:15	200	30	36	266	1,160.00	980.00	921.00	3,061.00	
Total	188,720	52,830	15,626	257,176	2,258,160	1,240,040	1,042,136	4,540,336.00	

## Figure 330 - TRN04 output (2)



## Figure 331 - TRN04 output (3)





## Figure 332 - TRN04 output (4)

## Output description

TRN04 – Report description – outpu	t screen
Field label	Description
Time band	Time band in 15 minutes intervals:
	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 debited	Volume of debited cross border cash transfers per time band
Volume Cross border credited	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".
	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".
	Four different lines stacked areas in different colours representing the values in
	the table on previous page.

#### Table 114 - 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.

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]

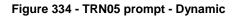


#### Screenshot - prompt

Data Wareh	nouse 🛱 TRN05 - Monthly ov per party 🗸		ф 8
Edit			
TRN05	<ul> <li>Monthly overview of cash transfer orders per party</li> </ul>		
Run the repo	rt with manual or dynamic Dates :* Manual V Reprompt		
Year :*	Select the year		
	Select the month		
	Keywords:		
	Input keywords here		
	No Results		
Party BIC : *			
	Starts with any of these keywords ${\sim}$		
	Case Insensitive		
	Cancel Finish		

Figure 333 - TRN05 prompt - Manual

Data Warehouse 🗒 TRN05 - Monthly ov per party 🗸		Q Search content	: 4
■ Edit 🖺 🗸 😓 🔿 ▷ 🗸 🖒			∽ Filt
TRN05 - Monthly overview of cash transfer orde	rs per party		
Run the report with manual or dynamic Dates : * Dynamic	~ Reprompt		
Reference Month :* Current Month			
Number of Months (Incl. Ref. Month) :* Reference Month			
Keywords:	-		
Input keywords here			
No Results	]		
NO RESUITS			
Party BIC :*			
Starts with any of these keywords $$			
<ul> <li>Case Insensitive</li> </ul>			
-	Cancel Finish		





## Prompt description

TRN05 – Report description – prom	ot 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.
Month	You can use this drop-down field to select the Month, from which the report should contain the data. For valid report results, the current month cannot be selected. 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. This field is mandatory.

## Table 115 - 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. Valid values: Current Month Previous Month 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. The system will automatically calculate the start of the date range based upon the date at the time of execution. 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. This field is mandatory.

## Table 116 - TRN05 - Prompt description – Dynamic



#### Screenshot - output screen

	TRN05 - Monthly of	overview of cash transfer or	ders per party		20
					DEV - Dev
R0A01					
Total volume	Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
2	0.10		1.70	0.08	
2	0.10		1.70	0.08	
2	0.10		1.70	0.08	
20801					
Total volume	Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
	Daily average volume 0.10	Provious month daily average volume	Total value 55.56	Daily average value 2.78	Previous month daily average value
Total volume		Previous month daily average volume			Previous month daily average value
Total volume	0 10	Previous month daily average volume	55.56	2.78	Previous month daily average value
Total volume 2	0.10	Pervisa meth daly average volume	55.56 55.56	2.78	Previous month daily average value
Total volume 2 2 2	0.10	Previous month daily entrange volume	55.56 55.56	2.78	Previous month daily average value Previous month daily average value
Total volume 2 2 2 2 2	0.10 0.10 0.10		55 56 55.56 65.56	278 278 278	
Tofal volume 2 2 2 2 2 30091	0.10 0.10 0.10 Dally average volume		55 56 55.56 56.56 70tal value	2.76 2.78 2.78 Daty average value	
	Total volume 2 2 2 2	Total volume         Daily average volume           2         0.10           2         0.10           2         0.10           2         0.10	Total volume         Daily average volume         Previous month daily average volume           2         0.10         2         0.10           2         0.10         0.10         0.10         0.10	Total volume         Daily average volume         Previous month daily average volume         Total value         Total value         1/0	Total volume         Daily average volume         Previous month daily average volume         Total value         Daily average value

## Figure 335 - TRN05 output (1)

Overall Total		2	0.10		55.56	2.78	
veran rotai		1	0.10		55.56	2.10	
ross border transactions debited urrency EUR TGS account number RTGSDCPBAAKMD0XXXE	EUR0D01						
inal transactions							
Priority	Total volume		Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Urgent		36	1.80		25.826,559.00	1,291,327.95	
fotal		36	1.80		25,826,559.00	1,291,327.95	
verali Total		36	1.80		25,826,559.00	1,291,327.95	
EUR 2 RTGS COMPONENT account number RTGSDC ancelled transactions	PBAAKMD0XXXEUR0A01						
Priority	Total volume		Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
		2	0.10		1.70	0.08	
		2 2	0.10		1.70	0.08	
Fotal							
otal verall Total ross border transactions debited urrency 2 RTGS COMPONENT account number RTGSDC		2	0.10		1.70	0.08	
otal verall Total ross border transactions debited urrency 2 RTGS COMPONENT account number RTGSDC		2	0.10	Pieviss moth daly aretage volume	1.70	0.08	Previous month daily average value
otal Verall Total Total Tota border transactions debited URE RTGSDC EUR 2 RTGS COMPONENT account number RTGSDC inal transactions Priority	SPBAAKMD0XXXEUR0B01	2	0.10	Previous month daily average volume	1.70 1.70	0.08	Previous month daily average value
otal Inversit Total Loss border transactions debited 2 RTGS COMPONENT account number RTGSDC Inal transactions Prosity Upgent	SPBAAKMD0XXXEUR0B01	2	0.10 0.10 Dally average volume	Previous month claity average volume	1.70 1.70 Total value	0.08 0.08 Daty average value	Previous month daily average value
12 RTGS COMPONENT account number RTGSDC	SPBAAKMD0XXXEUR0B01	2 2 2 2 2 2	0.10 0.10 Dally average volume 0.10	Previous month daily average volume	1,70 1,20 Total value 55,56	0.08 0.08 Daty average value 2.76	Previous month daity average value
Indeal In	PBAAKMOXXXEUR9801 Total volume	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.10 0.10 Dally average volume 0.10	Previous month: daily average volume	1.70 1.70 Total volue 55.55 55.56	0.08 0.08 Daily average value 2.78	Previous month daily average value
oldal Carlos debited Carlos debited Carlos debited Carlos debited Carlos debited Carlos debited Carlos Carl	PBAAKMOXXXEURBON Tolal volume PBAAKMOXXXEURBON	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.10 0.10 Daty sverage volume 0.10 0.10		1.70 1.70 Total volue 55.55 55.56	0.08 0.08 Daily average value 2.78 2.78	
otal verall Total Uran border transactions debited urancy RITGS COM/ONENT account number RITGSDC lingent Priority Verall Total rose border transactions debited EUR RITGS COM/ONENT account number RITGSDC Inst transactions Frictity	PBAAKMOXXXEUR9801 Total volume	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.10 Daily average volume 0.10 0.10 0.10 0.10	Previous month Gally average volume	1.70 1.70 Total value 55.56 55.66 55.66	0.08 0.08 Daily average value 2.76 2.78 2.78 0.04/y average value	
Total  Trans Everall Total  Trans Everall Total  Trans Everall Total  Trans Everall Total  Percent Total  T	PBAAKMOXXXEURBON Tolal volume PBAAKMOXXXEURBON	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.10 0.10 Daty sverage volume 0.10 0.10		1.70 1.70 Total volue 55.55 55.56	0.08 0.08 Daily average value 2.78 2.78	Previous month daily average value Previous month daily average value

## Figure 336 - TRN05 output (2)



ers Vear 2021 Month January Party PBAAKIND0XXX - Banco de Isthmus						
ross border transactions credited urrency EUR ITGS account number RTGSDCPBAAKMD0XXXEL	R8401					
inal transactions						
Priority	Total volume	Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Normal	2	0.10		1 92	0.10	
otal	2	0.10		1.92	0.10	
Dverall Total	2	0.10		1.92	0.10	
Cross border transactions credited Currency EUR RTGS account number RTGSDCPBAAKMD0XXXEL	IRED01					
Final transactions						
Priority	Total volume	Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Urgent	36	1.80		25,826.679.00	1,291,333.95	
Total	36	1.60		25,826,679.00	1,291,333.95	
Overall Total	36	1.80		25,826,679.00	1,291,333.95	
Cross border transactions credited Currency EUR 12 RTGS COMPONENT account number RTGSDCP	BAAKND0XXXEUR0A01					
Final transactions						
Priority Normal	Total volume 2	Daily average volume 0.10	Previous month daily average volume	Total value 1.92	Daily average value 0.10	Previous month daily average value
			l			
Total	2	0.10		1.92	0.10	
Overali Total	2	0.10		1.92	0.10	
Cross border transactions credited Currency EUR T2 RTGS COMPONENT account number RTGSDCF	BAAKMD0XXXEUR0D01					
Final transactions						
Priority	Total volume	Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Urgent	36	1.80		25,826,679.00	1,291,333,95	
	36	1.00		25.826.679.00	1,291,333,95	
Total						

## Figure 337 - TRN05 output (3)

target			TRN05 - Monthly	overview of cash transfer ord	ers per party		2
XXXMD0XXX - Central Bank of Fiction			indice - montany -	stertien of cush dunster of	ere per party		DEV - Der
Year : 2021 Iters Month January							
Party PBAAKMD0XXX - Banco de Isthmus							
Comestic transactions debited							
EUR EUR RTGS account number RTGSDCPBAAKMD0XXXE	100401						
Final transactions							
Priority	Total volume		Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Normal		2	0.10		155.56	7.78	
Total		2	0.10	· · ·	155.56	7.76	
Cancelled transactions							
Priority	Total volume		Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Normal		2	0.10		2.14	0.11	
Fotal		2	0.10		2.14	0.11	
Overall Total		4	0.20		157.70	7.88	
Overall Total		4	0.20		157.70	7.88	
Domestic transactions debited		4	0.20		157.70	7.88	
omestic transactions debited	UR0B01	4	0.20		157.70	7.85	
omestic transactions debited urrancy EUR TGS account number RTGSDCPBAAKMD0XXXE	UR0B01	4	0.20		157.70	7,38	
omestic transactions debited urrancy EUR TGS account number RTGSDCPBAAKMD0XXXE	UR0B01 Total volume	4	0.20 Daily average volume	Previous month daly average volume	157.70 Total value	7.38 Daily average value	Previous month daily average value
omestic transactions debited urrency EUR TGS account number RTGSDCPBAAKMD0XXXXE inal transactions Pitority	1	4		Pierious month daily average volume			Previous month daily average value
Domestic transactions debited EVR RTGS account number RTGSDCPBAAKMD0XXXE Final transactions Priority Uppert	1	4 2 2	Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Demestic transactions debited Correspondent EVR RTGS account number RTGSDCPBAAKMD0X0XE Final transactions Plonty Uppert Total	1	4	Daily average volume 0.10	Previous mosth daily average volume	Total value 75.56	Daily average value 3.78	Previous month daily average value
RTGS account number RTGSDCPBAAKMD0XXXE Final transactions Pitontly Urgent Total Overall Total	1	2	Daity average volume 0.10 0.10	Previous moth daily average volume	Tetal value 75.56 75.58	Daily average value 3.78 3.76	Previous month daily average value
Convertic transactions defined Conversory EUR FUR TOS Account musica Final transactions Urgent Default Color Overall Total Devention defined Conversion	Total volume	2	Daity average volume 0.10 0.10	Partos melt daly arrage olume	Tetal value 75.56 75.58	Daily average value 3.78 3.76	Previous month daily average value
omestic bansactions detilied ummory EUR EUR Total scound multer Inst Total Scoute during to Plosty Urgent Versal Total total total Scoute distinct EUR	Total volume	2	Daity average volume 0.10 0.10	Previous moth faily sverige volume	Tetal value 75.56 75.58	Daily average value 3.78 3.76	Previous minth daily average value
Investita transaction debted arrange EUR EUR Staccum number RESIGC/PBAANBOXCOE Inal transactions Planty Uppert Cast And Total Orneratic transactions debted Orneratic transactions debted Total concurrence records and the Total concurrence records and the Total concurrence records and the Total concurrence records and the Total concurrence records and the Init transactions	Total volume	2	Daily average volume 0.10 0.19 0.19		Tatal value 75.56 75.58 75.56	Daily average value 3.76 3.78 3.78	
energi transaction debled energy ER COMMUNICATION ER COMM	Total volume	2	Daily average volume 0.19 0.19 0.19 Daily average volume	Previous moth daily average volume	Total volue 75.56 75.56 75.56	Daty zverage value 3.76 3.78 3.78 2.78 Daty zverage value	Previous morth daily average value Previous morth daily average value
eventil transaction debted arrenge ER ER Staccurat number ECOS CHARANDOXOXE Ital transactions Character Transactions Character Transactions Character Transactions Character Transactions Picoty Uppet	Total volume	2 2	Daily average volume 0.10 0.19 0.19 Daily average volume 3.00		Tital value 75.56 76.56 76.56 76.56 76.54 76.54 76.54 7.520 9.541.57.44	Daily average value 3.76 3.78 3.78 3.78 3.78 Daily average value 141.440.207.07	
Ameriki branaction debied Jammory EUR TOS accont number REG IGC PRAAMEDICIDE Test Event statutes Palady Urgert fotal Demosfic Statutes Demosfic Statutes TOS Second number REG IGE REG Planty TOS Second number REG Planty Depost Planty Depost Planty Depost	Total volume	2 2 60 12	Daity average volume 6.16 6.16 6.19 Daity average volume 3.06 6.00		Total volue 75.56 75.56 75.56 75.56 75.56 2.820 304 157 45 2.820 304 157 45 3.000 00	Daty average value 376 376 3.78 3.78 3.78 3.78 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 9 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02	
Connectic transactions dehied Currency EVR EVR ECT Secont multiwe RTGSC/PBAAKMD00002 Fail transactions Paioty Urgent Total Overall Total Domestic transactions debied POVER Secont number RTGSC/PBAAKMD00002 Trial transactions	Total volume	2 2	Daily average volume 0.10 0.19 0.19 Daily average volume 3.00		Tital value 75.56 76.56 76.56 76.56 76.54 76.54 76.54 7.520 9.541.57.44	Daily average value 3.76 3.78 3.78 3.78 3.78 Daily average value 141.440.207.07	

## Figure 338 - TRN05 output (4)



Priority	Total volume		Daily average volume		Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Urgent		60		3.00		2.828.964.157.44	141.448.207.87	
Normal		12		0.60		3,660.00	183.00	
fotal		72		3.60		2,828,967,817,44	141,448,390.87	
Overall Total		72		3.60		2,528,967,817.44	141,448,390,87	
				5.00		#10##01#01101#1	141,000,000,000	
Domestic transactions debited Currency EUR 12 RTGS COMPONENT account number RTGSDCF	PBAAKMDOXXEUR6401							
inal transactions	1							
Priority	Total volume		Daily average volume		Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Normal		2		0.10		155.56	7.78	
Total		2		0.10		155.66	7.78	
Cancelled transactions								
Priority	Total volume		Daily average volume		Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Normal		2		0.10		2.14	0.11	
lotal		2		0.10		2.14	0.11	
Overall Total		4		0.20		167.70	7.88	
Vverall Total Ormestic transactions debited currency 2 RTGS COMPONENT account number RTGSDCF	PBAAKMDOXOXEUR0B01							
Veralli Total Cometic transactions debited Urrency EUR 2 RTGS COMPONENT account number RTGSDCF inal transactions			Daly average volume		Previous month dally average volume	457,70	7.88	Previous month daily average value
Overall Total Commercial Total Commercial Co	PBAAKMEDOXXXEUR9B01 Total volume		Dały average volume		Plexbus month daily average volume			Previous month daily average value
Overall Total Dometic transactions debited EUR EUR IZ RTGS COMPONENT account number RTGSDCF Final transactions		4	Daly average volume	0.20	Previces month Gally average volume	167.70 Total value	7.88 Daily average value	Previous month daily average value
Overall Total Dometic transactions debited Currency Tritos CoMPONENT account number RTGSDCF inal transactions Planty Urget		4	Daty average volume	0.20	Previous month daily average volume	157.70 Total value 75.58	7.68 Daily average value 3.76	Previous month daily average value
Deverall Total Domestic transactions debited EUR 21rdS COMPONENT account number RTGSDCF Find transactions Priority Urgerf Total	Total volume	4	Daty average volume	0.20	Peakas moth daty average vitame	157.70 Totar value 75.56 75.58	Z.88 Daty average value 3.75 3.78	Peerloss motth daity average value
Sweat Total Construct Instruction debins Construct Instruction debins Plants Upper Plants Upper Construct Plants Upper Construct Plants Upper Construct Examples Cons	Total volume	4	Daty average volume	0.20	Peaces moth daily average vitame	157.70 Totar value 75.56 75.58	Z.88 Daty average value 3.75 3.78	Peerlos moth daily average value
Devent Total Devent Total Devent Total Devent Total EVE EVE EVE Priority Upper Priority Devent Total Devent T	Total volume	4	Daly zverage volume	0.20	Previous motific daty average valuese	157.70 Totar value 75.56 75.58	7.68 Daty average value 3.76 3.78 Daty average value	
Sweat Total Controls: Transaction Adults Controls: Transaction Adults Plants Plants Uper Control Plants Plants Uper Control Co	Total volume	4 2 2 2 60		0.20		167.20 Totar value 75.56 75.66	7.65 Daty zverzące voluce 3.76 3.78 3.78 Daty zverzące voluce 514.403.202.07	
Several Total Several Total Several Total Several Total Several Total Several Total Several Total Several Total Ouged Upped Several Total Seve	Total volume	2 2 2		0.20		162.78 Totar value 75.56 75.66 Totar value	7.68 Daty average value 3.76 3.78 Daty average value	
Devent Total Deven	Total volume	4 2 2 2 60		0.20		167.20 Totar value 75.56 75.66 Totar value 2.001.064.157.44	7.65 Daty zverzące voluce 3.76 3.78 3.78 Daty zverzące voluce 514.403.202.07	Previous moth daily average value Previous moth daily average value

## Figure 339 - TRN05 output (5)

arget		TRN05 - Monthly	overview of cash transfer order	rs per party		DE
OCKIDDOXX - Central Bank of Fistion						
Year: 1021 Wonth January Party PBAAKMOOXXX - Banco de lathmus						
iomestic transactions cradited EUR TOS account number RTGSDCPBAAKMD0XXXEUR0A01						
nal transactions						
Priority	Total volume	Daily average volume	Previous month daily average volume	Total value	Daily average value	Previous month daily average value
Norral	2	0.10		2.50	0.12	
otal	2	0.10		2.36	0.12	
verall Total	2	0.10		2.36	0.12	
omestic transactions credited unency TGS account number RTG SDCPBAAKMD0XXXEUR0001						
inal transactions						
					Daily average value	Previous month daily average value
Priority	Total volume	Dally avarage volume	Previous month daily average volume	Total value		
Urgent	90	4.80	Previous month daily average volume	1,170,505,768.80	58,525,288,44	
Urgent Normal	86 12	4.80 0.60	Previous month daily average volume	1,170,600,768.80 18,452,528.52	68,526,288,44 772,125,18	
Urgent Nermal	00 12 138	4.80 0.50 5.40	Previous month daily average volume.	1,170,500,788.80 19,462,623.62 1,185,868,282.42	58,535,288,44 772,125,18 59,298,414,42	
Urgent Normal Total Decenti Total	86 12	4.80 0.60	Presious nonn daly average volume	1,170,600,768.80 18,452,528.52	68,526,288,44 772,125,18	
zigent Innal Mail Innal Executions condited Executions Innal Executions Innal Executions	90 12 198 198 198	4.40 0.00 5.40 5.40		1,172 000,788 80 19 96 223 02 1,185,966,283 42 1,185,966,283 42	08,202,202,44 771,129,18 59,298,444,42 59,290,444,42	
urgent termal sea Testal weak Testal te	00 12 98 98 98 98 98 98	4 48 0 00 5 48 5 48	Prestou nem fally average volume	1,172,200,748,80 19,842,222,22 1,935,986,229,42 1,955,996,229,42 1,955,996,229,42	84,552,281,44 773,120,18 39,296,44,42 39,296,444,82 Daily average value	Prevous month daity average value
Upper Upper	00 12 13 198 198 198 198 198 198 198 198 198 198	4 80 000 5 40 5 40 Cally average stiume 0 10		1,172,000,748,80 19,842,823,82 1,955,965,292,42 1,955,965,292,42 Total value 2,26	0,0,02,034,64 772,103,16 58,286,44,62 93,286,44,62 Dely average solut	
Upper Index Sector Sect	20 12 408 535 535 535 2 2	4 40 000 5 40 5 40 Cally average sciume 0 10 0 10		1.17304274848 114532335 114532335 1.183542354 1.185542354 1.185542354 2.26 2.26	0.0.02.326.4 772.103.4 99,984.4442 93,998.44442 03,998.44442 03,998.44442 6,02 Cably average value 6,12	
Upper Index Sector Sect	00 12 13 198 198 198 198 198 198 198 198 198 198	4 80 000 5 40 5 40 Cally average stiume 0 10		1,172,000,748,80 19,842,823,82 1,955,965,292,42 1,955,965,292,42 Total value 2,26	0,0,02,034,64 772,103,16 58,286,44,62 93,286,44,62 Dely average solut	
Upper Index Second Seco	20 12 12 132 132 132 132 132 132 132 132 1	4 40 000 5 40 5 40 Cally average sciume 0 10 0 10		1.17304274848 114532335 114532335 1.183542354 1.185542354 1.185542354 2.26 2.26	0.0.02.326.4 772.103.4 99,984.4442 93,998.44442 03,998.44442 03,998.44442 6,02 Cably average value 6,12	
orgeni construite de la	100 112 100 100 100 100 100 100 100 100	4.40 0.00 3.46 0.49 0.49 0.49 0.49 0.49 0.49	Presiou mont daty storage volume	1.17302074880 11450255 11450204 1165562044 1685562044 208 208 208 208 208	88.55.298.44 711.208.14 35.298.64.442 20.298.64.442 0.298.64.442 0.208.64.442 0.21 0.21 0.22 0.22 0.22	Previous month daily average value
An and a second	SE 12 12 18 18 18 18 18 18 18 18 18 18 18 18 18	4.82 0.86 3.64 Daty arrays solves 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9		1.1750207488 11455235 1145552362 1185552362 1185552362 200 200 200 200 200 200 200 200 200 2	84552944 711284 71284 80,914442 80,914442 80,914442 80,914442 80,914442 80,914442 80,914442 80,914442 80,914442 80,914442 80,914442 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,914444 80,91444480,914444 80,9144444 80,914444480,914444 80,9144444 80,914444480,9144444 80,9144444480,9144444 80,91444444480,91444444 80,91444444444444444444444444444444444444	
Ingeni Carponi	100 112 100 100 100 100 100 100 100 100	4.40 0.00 3.46 0.49 0.49 0.49 0.49 0.49 0.49	Presiou mont daty storage volume	1.17302074880 11450255 11450204 1165562044 1685562044 208 208 208 208 208	88.55.298.44 711.208.14 35.298.64.442 20.298.64.442 0.298.64.442 0.208.64.442 0.21 0.21 0.22 0.22 0.22	Previous month daily average value
Upper Upper	20     20	4.82 0.66 3.64 Daly seesge schere 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65	Presiou mont daty storage volume	1.1752027486 1145502594 118550294 118550294 248 248 248 248 248 248 248 248 248 24	88.55.2014 / 711.0014           711.0014           50.761.01447           50.761.0147           Daily seepp onlo           6.9           6.9           6.9           00/y seepp onlo           50.701.0147           Daily seepp onlo           6.9           6.9           0.9           0.9           0.9           0.9           0.9           0.92.2014           0.92.2014	Previous month daily average value
Upper Upper	10     10	4.45 0.00 3.46 0.69 0.69 0.09 0.09 0.09 0.09 0.09 0.0	Presiou mont daty storage volume	1.173.027.03.02 114.027.02 1.03.54.229.4 1.05.54.229.4 2.05 2.05 2.05 2.05 2.05 2.05 2.05 2.05	845529844 713284 393846482 393846482 393846482 393846482 039 039 039 039 039 039 039 039 039 039	Previous month daily average value

## Figure 340 - TRN05 output (6)

## Output description

TRN05 – Report description – output screen						
Field label	Description					
The report consists of four sheets:						
Sheet 1: Cross border transactions debited						
Sheet 2: Cross border transactions crea	dited					



Sheet 3: Domestic transactions debited

Sheet 4: Domestic transactions credited

Each sheet with following data:

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:

Service, account number	Service in which the account is held:
	I CLM,
	I RTGS,
	followed by the account number of cash account owned by the chosen party in the respective service.
	Only accounts of the following types are regarded:
	For CLM:
	I MCA
	CLM CB account
	For RTGS:
	I RTGS DCA
	RTGS sub-account
	RTGS CB account
	Ancillary System Guarantee funds account
	AS Technical account

Three tables for "Final transactions", "Cancelled transactions" and "Rejected transactions". Each table with following data :

Priority	Possible values:
	I Urgent
	l High
	I 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 117 - TRN05 - Output description

5.14.6 TRN06 – Monthly share of Indirect Participant, addressable BIC and multiaddressee 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.

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

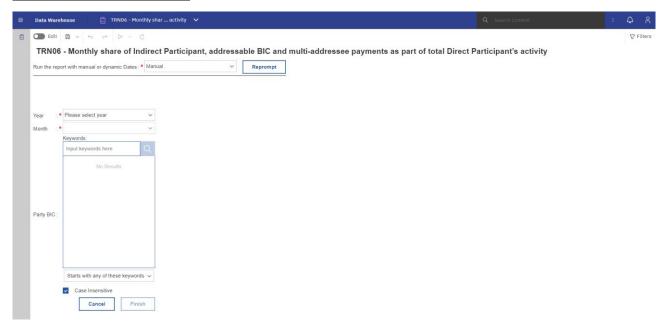


Figure 341 - TRN06 prompt - Manual

🖸 Edit 🖺 🗸 🕤 🔿 🖓	• • C		2	7 Fi
TRN06 - Monthly share	of Indirect Participant, addressable BIC and multi-addressee paym	ents as part of total Direct Participant's activity		
Run the report with manual or dynamic				
3				
Reference Month :	Current Month ~			
Number of Months (Incl. Ref. Month) :	* Reference Month ~			
	Keywords:			
	Input keywords here			
Party BIC :				
	Starts with any of these keywords $\checkmark$			
	Case Insensitive			
	Cancel Finish			

Figure 342 - 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. This field is mandatory.				
Month	You can use this drop-down field to select the month, from which the report should contain the data. For valid report results, the current month cannot be selected. 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 118 - TRN06 - Prompt description - Manual

TRN06 – Report description – pron	npt description - Dynamic
Field label	Description
Reference Month	Indicates the end-point of the date range for which the dynamic report should contain data.
	Valid values:
	Current Month
	Previous Month
	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.
	The system will automatically calculate the start of the date range based upon the date at the time of execution.
	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 119 - TRN06 - Prompt description - Dynamic



#### Screenshot - output screen

target	TRN06	6 - Monthly share o			ant, address Direct Partic		BIC and multi-addressee payments as part of 's activity	DEV	- Developr	2021-03 10:20
BXXKMD0XXX - Central Ba	ank of Fiction									 
Filters Year : 2017 Month : January Party BIC : PBAAKN	ID0XXX - Banco de Isthmus									
Currency : EUR Party : PBAAKMD0X	XX - Banco de Isthmus									
			Reported Month							
Participation type	Party BIC	Domestic/Cross border	Volume	%	Value	%				
Overall	PBAAKMD0XXX	Overall	1,703,789,308.00	100.00%	681,516,004,193.50	100.00%				
		Domestic	1,107,463,178.00	65.00%	442,985,402,727.16	65.00%				
		Cross Border	596,326,130.00	35.00%	238,530,601,466.34	35.00%				
Direct	PBAAKMD0XXX	Overall	973,594,200.00	57.14%	389,437,716,686.34	57.14%				
		Domestic	632,836,244.00	37.14%	253,134,515,846.24	37.14%				
		Cross Border	340,757,956.00	20.00%	136,303,200,840.10	20.00%				
Indirect	All Indirect	Overall	389,437,524.00	22.86%	155,775,086,672.24	22.86%				
		Domestic	253,134,432.00	14.86%	101,253,806,337.52	14.86%				
		Cross Border	136,303,092.00	8.00%	54,521,280,334.72	8.00%				
	LBSWKMFFXXX	Overall	389,437,524.00	22.86%	155,775,086,672.24	22.86%				
		Domestic	253,134,432.00	14.86%	101,253,806,337.52	14.86%				
		Cross Border	136,303,092.00	8.00%	54,521,280,334.72	8.00%				
Multi Addressee	All Multi Addressee	Overall	165,510,872.00	9.71%	66,204,411,834.58	9.71%	6			
		Domestic	107,582,092.00	6.31%	43,032,867,692.70	6.31%				
		Cross Border	57,928,780.00	3.40%	23,171,544,141.88	3.40%				
	HELAKMDAXXX	Overall	87,623,402.00	5.14%	35,049,394,500.70	5.14%				
		Domestic	56,955,226.00	3.34%	22,782,106,425.60	3.34%				
		Cross Border	30,668,176.00	1.80%	12,267,288,075.10	1.80%				
	HELAKMWIXXX	Overall	77,887,470.00	4.57%	31,155,017,333.88					

Top ↑ Page up ↓ Page down ↓ Bottom

#### Figure 343 - TRN06 output (1)

TRN06 - Monthly share of Indirect Participant, addressable BIC and multi-addressee payments as part of total Direct Participant's activity									DEV - Developme					
Year : 2017	lank of Fiction													
Filters Month : January	MD0XXX - Banco de Isthmus													
1														
Currency: EUR Party : PBAAKMD00	XXX - Banco de Isthmus													
			Reported Montl	1										
Participation type	Party BIC	Domestic/Cross border	Volume	96	Value	%								
Multi Addressee	HELAKMWIXXX	Domestic	50,626,866.00	2.97%	20,250,761,267.10	2.97%								
		Cross Border	27,260,604.00	1.60%	10,904,256,066.78	1.60%								
Addressable BIC	All Addressable BIC	Overall	175,246,712.00	10.29%	70,098,789,000.34	10.29%								
		Domestic	113,910,410.00	6.69%	45,564,212,850.70	6.69%								
	NASSKM51XXX	Cross Border	61,336,302.00	3.60%	24,534,576,149.64	3.60%								
		Overall	68,151,520.00	4.00%	27,260,640,166.96	4.00%								
		Domestic	44,298,502.00	2.60%	17,719,416,108.72	2.60%								
		Cross Border	23,853,018.00	1.40%	9,541,224,058.24	1.40%								
	NASSKM52XXX	Overall	58,415,572.00	3.43%	23,366,263,000.14	3.43%								
		Domestic	37,970,140.00	2.23%	15,188,070,950.24	2.23%								
		Cross Border	20,445,432.00	1.20%	8,178,192,049.90	1.20%								
	NASSKM53XXX	Overall	48,679,620.00	2.86%	19,471,885,833.24	2.86%								
		Domestic	31,641,768.00	1.86%	12,656,725,791.74	1.86%								
		Cross Border	17,037,852.00	1.00%	6,815,160,041.50	1.00%								

## Figure 344 - TRN06 output (2)



### **Output description**

TRN06 – Report description – out	
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.
	Possible values:
	i "Overall"
	l "Direct"
	Addressable BIC"
	I "Indirect"
	I "Multi Addressee"
	In order to increase readability the participation type is displayed only after a group change.
	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.
	In order to increase readability the party BIC/Total is displayed only after a group change.
	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.
	Possible values:
	I Overall
	I Domestic
	Cross Border
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;
	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 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; 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 Up to 2 decimals are displayed.

Table 120 - 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

ta	rg€t	🗒 • 🧷 🌕 🖓 🖉 • 🖒	TRN07 - Cash transfers between t of different parties $$	▼ … ≪ 수 👤 📀
≏	TRN07	- Cash transfers between two accou	nts of different parties	
<b>,</b>	Date From	: • 22 Apr 2021	Date To :• 22 Apr 2021	
b		Keywords: Input keywords here	Keywords: Input keywords here O No Results	
•		No Results	NO KESUIS	
	First Party Bl	ic :*	Second Party BIC :*	
		Starts with any of these keywords V Case Insensitive Reprompt	Starts with any of these keywords ✓ ☑ Case Insensitive	
<u>0</u>	Account Nun of the first pa		Account Number of the second party : • Cancel Finish	
Đ				

### Figure 345 - TRN07 prompt

### Prompt description

TRN07 – Report description – promp	t description
Field label	Description
Date From	You can enter the date by clicking on the calendar .
	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. For valid report results, the current day cannot be selected. This field is mandatory
First Party BIC	You can use this search and select prompt to select the first party BIC or short name.



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 part It is built from account numbers within the user's data scope.	1.
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 part	ty.
This field is mandatory	

Table 121 - TRN07 - Prompt description

### Screenshot - output screen

		▼ ··· ≪ ♪ 👤
Account Details Account Transactions		
target	TRN07 - Cash transfers between two accounts of different parties	2021- 10: DEV - Development and integ
CBXXKMD0XXX - Central Bank of Fiction		· · · · · · · · · · · · · · · · · · ·
Filters 1st Party BIC : PBAAKMD0XXX - Banco de Isthmus 2r	ette To : 2019-06-30 nd Party BIC : PBABKPD0XXX - Washington Mutual nd Account Number : FTGSDCPRABKPD0XXXEUR0.01	
First account information		
Account type : RTGS DCA Country code : KM Party BIC : PBA/AM/D0XXX Party Name : Barco de Isthmus National Sorting Code : NSORT0000000058		
Second account information		
Account number : RTGSDCPBABKPD0XOKEUR0A01 Account type : RTGS DCA Country code : KP Party BIC : PBABKPD0XOX Party Name : Washington Mkuta IV.Den Haag National Sorting Code : NSORT00000000077		

### Figure 346 - TRN07 output (1)



Predefined reports

Transaction reports (TRN)

	sactions	TR	N07 - Cash tr	ransfers between tw	o accounts of differ	ent parties	DEV - Development
KMD0XXX - Central Bank of Fig	ction						
Date From : 2019-0 1st Party BIC : PBAAH 1st Account Number : RTGSE	KMD0XXX - Banco de Ist	hmus 2nd Party BIC : F	019-06-30 PBABKPD0XXX - Washir (TGSDCPBABKPD0XX)				
rency: EUR							
ansaction Reference Number	Settlement Timestamp	Message Type	Transaction Category	Debited Account	Credited Account	Value of Settlement	
018141432373	2019-05-02 17:04:23	pacs.009 - Interbank Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	451,800.11	
018141432374	2019-05-02 17:04:23	pacs.010 - Direct Debit	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	180,720.04	
018141432375	2019-05-02 17:04:23	pain.998 - AS Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	542,160.13	
018141432376	2019-05-02 17:04:23	pacs.008 - Customer Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	7,228.80	
018141432429	2019-04-02 17:04:23	pacs.009 - Interbank Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	361,800.09	
018141432430	2019-04-02 17:04:23	pacs.010 - Direct Debit	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	144,720.03	
018141432431	2019-04-02 17:04:23	pain.998 - AS Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	434,160.10	
018141432432	2019-04-02 17:04:23	pacs.008 - Customer Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	5,788.80	
018141433029	2019-06-02 17:04:23	pacs.009 - Interbank Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	541,800.13	
018141433030	2019-06-02 17:04:23	pacs.010 - Direct Debit	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	216,720.05	
018141433031	2019-06-02 17:04:23	pain.998 - AS Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	650,160.16	
018141433032	2019-06-02 17:04:23	pacs.008 - Customer Payment	Interbank Payment	RTGSDCPBAAKMD0XXXEUR0A01	RTGSDCPBABKPD0XXXEUR0A01	8,668.79	
018141439297	2019-05-02 17:04:23	pacs.009 - Interbank Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	451,800.11	
018141439298	2019-05-02 17:04:23	pacs.010 - Direct Debit	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	180,720.04	
018141439299	2019-05-02 17:04:23	pair.998 - AS Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	542,160.13	
018141439300	2019-05-02 17:04:23	pacs.008 - Customer Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	7,228.80	
018141439345	2019-04-02 17:04:23	pacs.009 - Interbank Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	361,800.09	
018141439346	2019-04-02 17:04:23	pacs.010 - Direct Debit	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	144,720.03	
018141439347	2019-04-02 17:04:23	pain.998 - AS Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	434,160.10	
018141439348	2019-04-02 17:04:23	pacs.008 - Customer Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	5,788.80	

Figure 347 - TRN07 output (2)

Account Details Account Tra	nsactions						2021
target		TR	N07 - Cash t	ransfers between t	wo accounts of diffe	erent parties	2021 DEV - Development and inte
CBXXKMD0XXX - Central Bank of I	Fiction						DLY Development and me
Filters Date From : 2019 1st Party BIC : PBA 1st Account Number : RTG	AKMD0XXX - Banco de Ist	thmus 2nd Party BIC : P	019-06-30 BABKPD0XXX - Washin ITGSDCPBABKPD0XXX				
Transaction Reference Number	Settlement Timestamp	Message Type	Transaction Category	Debited Account	Credited Account	Value of Settlement	
2018141439689	2019-06-02 17:04:23	pacs.009 - Interbank Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	541,800.13	
2018141439690	2019-06-02 17:04:23	pacs.010 - Direct Debit	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	216,720.05	
2018141439691	2019-06-02 17:04:23	pain.998 - AS Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	650,160.16	
2018141439692	2019-06-02 17:04:23	pacs.008 - Customer Payment	Interbank Payment	RTGSDCPBABKPD0XXXEUR0A01	RTGSDCPBAAKMD0XXXEUR0A01	8,668.79	
				Total value of	settlement (first account debited)	3,545,727.23	
				Total volume Total value of	of settlement (first account debited) settlement (first account credited)	12 3,545,727.23	
				Total volume Total value of			
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	
				Total volume Total value of	settlement (first account credited)	3,545,727.23	

### Figure 348 - TRN07 output (3)



### **Output description**

### TRN07 – Report description – output screen – table

### 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
	Possible values:
	For CLM
	I MCA
	Overnight Deposit account
	CLM CB account
	Marginal Lending account
	For RTGS :
	I RTGS DCA
	RTGS sub-account
	RTGS CB account
	Ancillary System Guarantee funds account
	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.
	Possible values:
	I camt.050
	I pain.998 (ASTI)



	I pacs.004
	I pacs.008
	I pacs.009
	I pacs.010
Transaction Category	Statistical Classification Transaction category.
	Possible values:
	CLM Intra Liquidity Transfer (C.10.00)
	CLM RTGS Liquidity Transfer (C.10.20)
	CLM T2S Liquidity Transfer (C.10.30)
	CLM TIPS Liquidity Transfer (C.10.40)
	Open Market Operations (C.11.01)
	Standing Facilities (C.11.02)
	Reserve and Account Management (C.11.03)
	I Inter Central Bank Transactions (C.11.04)
	Connected payments for credit line changes (C.11.05)
	Non-euro area CB operations (C.11.06)
	Other (including cash transactions) (C.11.09)
	Billing (C.12)
	Target balances (C.13)
	Levelling out of closed accounts (C.14.01)
	ECONS II back transfers (C.14.02)
	Seizure of funds (C.14.03)
	CLM Other (C.19)
	RTGS Intra Liquidity Transfer (R.20.00)
	RTGS CLM Liquidity Transfer (R.20.10)
	RTGS T2S Liquidity Transfer (R.20.30)
	RTGS TIPS Liquidity Transfer (R.20.40)
	I Interbank Payments (R.21.01)
	Customer Payments (R.21.02)
	Other (R.21.09)
	AS Transactions HVPS (R.22.01)
	AS Transactions RPS (R.22.02)
	AS Transactions IPS (R.22.03)



	<ul> <li>AS Transactions SSS (R.22.04)</li> <li>AS Transactions FES (R.22.05)</li> <li>AS Transactions MMS (R.22.06)</li> <li>AS Transactions CCP (R.22.07)</li> <li>AS Transactions Other (R.22.09)</li> <li>Levelling out of closed accounts (R.23.01)</li> <li>RTGS Other (R.29)</li> </ul>
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. <u>TRN01 - Cash transfer (order) search and details</u> [ 322]

Table 122 - 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

≡	Data Warehouse 🛗 TRN08 - Busin party - parties 🗸		¢	8
Ē.	Edit 🔀 🖌 😓 eð D V C		∽ Filter	s
	TRN08 - Business activity of a party/parties			
	Run the report with manual or dynamic Dates :  Manual  Reprompt  Date From :  Oct 17, 2023  Service :  Please select Service  Cancel Finish			

### Figure 349 - TRN08 prompt - Manual

	Data Warehouse 🛱 TRN08 - Busin party - parties 🗸	: Q A
5	Edit 🖺 🗸 🕤 🔿 🖒 V 🗘	
	TRN08 - Business activity of a party/parties	
	Run the report with manual or dynamic Dates :   Dynamic   Reprompt	
	Reference Date : * Last Business Date v	
	Time Range :* Reference Date ~	
	Service : * Please select Service V Cancel Finish	

Figure 350 - 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					
	Possible values:					
	I CLM,					
	I RTGS.					
	This field is mandatory.					
Date From	You can select the date by clicking on the calendar.					
	This field is mandatory.					
Date To	You can select the end date of the period, for which the report should contain the					
	data.					
	For valid report results, the current day cannot be selected.					
	This field is optional.					
Table 123 - TRN08 - Prompt description	tion - Manual					

Table 123 - TRN08 - Prompt description - Manual



TRN06 – 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: Last Business Day Prior Last Business Day 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. 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 Possible values: CLM, RTGS. This field is mandatory.						

# TRN08 – Report description – prompt screen - Dynamic

### Table 124 - TRN08 - Prompt description - Dynamic

### Screenshot - output screen

target				ent Cash trans	er orders receive									
Services			TRN08	- Busines	activity	of a pa	arty/pa	ties			DEV -	Develop	ment and	2021-03- 10:46 integrat
CBXXKMD0XXX - Central Bank of Fiction														
Filters Service : RTG Date From : 2018 Date To : 2021	-01-01													
		Cash transfer or	ders debited											
Currency: EUR														
Party BIC an	d name	Volume of cash transfer orders debited	Value of cash transfer orders debited	Average amount										
PBAAKMD0XXX - Ba	nco de Isthmus	2,165,767	189,049,394.18	87.29										
PBABKMD0XXX - Gr	ingotts Bank	1,123,611	189,942,898.53	169.05										

### Figure 351 - TRN08 output (1)



Predefined reports

Transaction reports (TRN)

	Cash transfer orders debited Cash	transfer orders credited	Cash transfer orders s	ent Cash transfe	er orders received			
_	target		TRN08	- Business	activity of a party/partie	S	DEV - Develop	2021-03-0 10:46: ment and integratio
	BXXKMD0XXX - Central Bank of Fiction							
	Filters Service : RTGS Date From : 2018-01-01 Date To : 2021-02-05							
3		Cash transfer or	ders credited					
	Currency: EUR							
	Party BIC and name	Volume of cash transfer orders credited	Value of cash transfer orders credited	Average amount				
	PBAAKMD0XXX - Banco de Isthmus	2,013,283	184,475,312.79	91.63				
	PBABKMD0XXX - Gringotts Bank	1,046,160	187,621,674.04	179.34				

Figure 352 - TRN08 output (2)

Cash transfer orders debited	Cash transfer orders credited	Cash transfer orders s	ent Cash transf	er orders received	
target		TRN08	- Busines	activity of a party/parties	2021-03 10:44 DEV - Development and integrat
CBXXKMD0XXX - Central Bank o	f Fiction				DEV - Development and integral
Filters Service : RTGS Date From : 2018-01-01 Date To : 2021-02-05					
	Cash transfer o	rders sent			
Currency: EUR					
Party BIC and name	Volume of cash transfer orders sent	Value of cash transfer orders sent	Average amount		
PBAAKMD0XXX - Banco de la	sthmus 4,179,050	373,524,706.97	89.38		
PBABKMD0XXX - Gringotts B	Bank 2,169,771	377,564,572.57	174.01		

### Figure 353 - TRN08 output (3)



Predefined reports

Transaction reports (TRN)

}	Cash transfer orders debited Cash tran	sfer orders credited C	ash transfer orders sent	Cash transfer	orders received			
1	target		TRN08 -	Business	activity of a party/parties	r	DEV - Develo	021-03-0 10:46:
С	BXXKMD0XXX - Central Bank of Fiction							
F	Filters Service : RTGS Date From : 2018-01-01 Date To : 2021-02-05							
		Cash transfer orders	s received					
	Currency: EUR							
	Party BIC and name	Volume of cash transfer orders received	Value of cash transfer orders received	Average amount				
	PBADKMD0XXX - Banque Mammon	1,096,692	236,026,721.59	215.22				
	PBABKMD0XXX - Gringotts Bank	2,098,823	189,040,802.52	90.07				
	PBACKMD0XXX - Iron Banks of Braavos	2,098,898	224,258,652.18	106.85				

### Figure 354 - TRN08 output (4)

### **Output description**

TRN08 – Report description – output screen	
Field Label	Description
Following information is available for:	
"Cash transfer orders debited", "Cash transfer orde received"	rs credited", "Cash transfer orders sent", "Cash transfer orders
Party	The party BIC and party short name of the user are shown. 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 125 - 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 355 - TRN09 prompt



### Prompt description

TRN09 – Report description – prompt screen							
Field label	Description						
Semester	<ul> <li>You can use this drop-down field to select a semester.</li> <li>Possible Values: <ol> <li>1st semester (representing 01.01. – 30.06.)</li> <li>2nd semester (representing 01.07. – 31.12.)</li> </ol> </li> <li>This field is mandatory.</li> </ul>						
Year	You can use this drop-down field to select the year, for which the report should contain the data.						
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. This field is mandatory.						

Table 126 - TRN09 - Prompt description

### Screenshot - output screen

	arg <u>et</u>   🗄		S 🖸 *								TINON - HTOS Account Huider activity 🕤	▼ … ≪ 众 ደ 🧿
	1											
		Rder Activity	Party mark	t share								
											TRN09 - RTGS Account Holder activity	2021-02-01 10:52:52 DEV - Development and integration
	CERONADOUX - G	kertral Bark of I	liction									Dev - Development and insightion
	Fiters Semester : 2	2nd Semester										
		PEAAKMEDOXX	X - Banco de	bhma								
	•										RTaG account hidder activity during 6 months	
	Currency EUR for PBAAK	MDDXX - Pay	ment Bank									
	RTGS Account Na	mber: RTGSD	PBAAKMDO	OO/EURGA01								
	FTGG Account Hol	der Activity										
							Aue of payment					
	Payment typ											
	Courde Transfer ()											
Image: Section Sect	Liquidity Transfer	r Circlors 64	180 1	348 268,174	25,832	(325,403.62 310,5	48.85 8,045	5,436.60 8	65,100.64			
	Total	962	,696 15	5,248 893,916	144,156	28,881,054.48 4,658,3	254.16 26,818	8,122.00 4,1	125,503.18			
Image: Part of the section o							Million of a	on mosts				
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mand#         Mini         Mini         Mini         mand#         Mini         Mini <thmini< th="">         Mini         Mini         <t< td=""><td>pacs.008</td><td>63,23%</td><td>8,664,315</td><td>34 81.82%</td><td>931,646.84</td><td>4</td><td></td><td>pacs.008</td><td>3,575,7</td><td>349.6 913,161.74</td><td></td><td></td></t<></thmini<>	pacs.008	63,23%	8,664,315	34 81.82%	931,646.84	4		pacs.008	3,575,7	349.6 913,161.74		
par.368 00.07% 962,078 052,07 052,07 102,072 par.368 010,072 28.08.68	pacs.009											
ing Adhipang dingang ing adhan teatring		100.00%										
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### Figure 356 - TRN09 output (1) – RTGS Account Holder activity View



Predefined reports

Transaction reports (TRN)

	n n 🕨 🕻 👘		TRN09 - RTGS Account Holder activity 🗸	🍸 ··· 端 🗘 👱 🗿
RTGS Account Holder Ac	ctivity Party market share			
target			TRN09 - RTGS Account Holder activity	2021-03-0 10:53:4 DEV - Development and integratio
CBXXKMD0XXX - Central Year : 2018	Bank of Fiction			·
Filters Semester : 2nd Ser	emester KMD0XXX - Banco de Isthmus			
RTGS Account hoder activ	vity during 6 months			
Currency	EUR			
RTGS Account Number	RTGSDCPBAAKMD0XXX	EUR0A01		
Party market share (Final p	payments sent)			
Party		% Payments value in %		
PBAAKMD0XXX - Banco	o de Isthmus 60.00	% 60.00%		

### Figure 357 - TRN09 output (2) – Party Market Share View

### Output description

### TRN09 – Report description – output screen – table

### **RTGS Account Holder activity**

RT65 Account noider activity	
Field label	Description
Payment type	Payment type.
	Possible values:
	Credit transfer orders
	Liquidity transfer orders
	Direct debit orders
Volume of payments sent	Volume of all payments sent
	Final (Settled)
	Not settled (Cancelled, rejected)
	per payment type and total for the chosen semester
Volume of payments received	Volume of all payments received
	Final (Settled)
	Not settled (Cancelled, rejected)
	per payment type and total for the chosen semester
Value of payments sent	Value of all payments sent



	Final (Settled)
	Not settled (Cancelled, rejected)
	per payment type and total for the chosen semester
Value of payments received	Value of all payments received
	Final (Settled)
	Not settled (Cancelled, rejected)
	per payment type and total for the chosen semester
Message type	Message type.
	Possible values:
	l camt.050
	l pacs.004
	I pacs.008
	l pacs.009
	l pacs.010
Volume of payments sent	Volume of all payments sent
	Market share final (in %)
	Final (Settled)
	Not settled (Cancelled, rejected)
	per message type and total for the chosen semester
Volume of payments received	Volume of all payments received
	Final (Settled)
	Not settled (Cancelled, rejected)
	per message type and total for the chosen semester
Message type	Message type.
	Possible values:
	camt.050
	I pacs.004
	pacs.008
	pacs.009
	pacs.010



Value of payments sent	Value of all payments sent			
	Market share final (in %)			
	Final (Settled)			
	Not settled (Cancelled, rejected)			
	per message type and total for the chosen semester			
Value of payments received	Value of all payments received			
	Final (Settled)			
	Not settled (Cancelled, rejected)			
	per message type and total for the chosen semester			
Total	Totals of volumes and values			

Table 127 - TRN09 - Output description - Table

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 128 - 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.

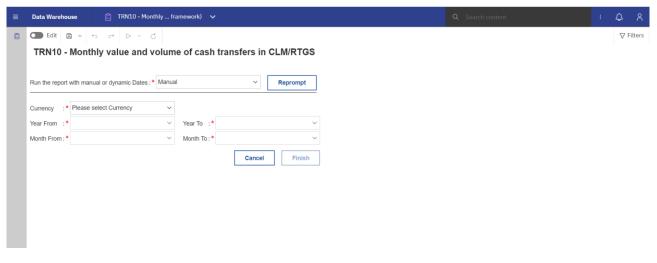
This report can be used by CB users only.

### Report access

This report can be reached in the following way:

[Team Content] >> [Predefined Reports] >> [TRN – Transaction Report] >> [TRN10]

### Screenshot - prompt



### Figure 358 - TRN10 prompt - Manual

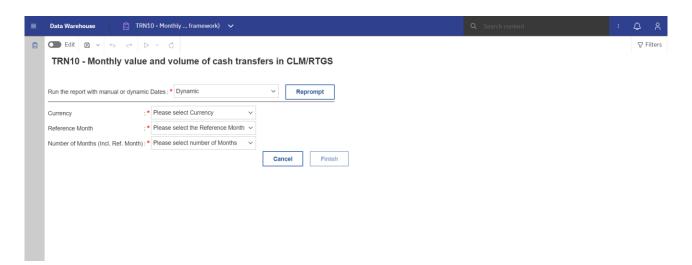


Figure 359 - TRN10 prompt - Dynamic



### 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.			
	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.			
	For valid report results, the current month cannot be selected.			
	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.			
	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.			
	For valid report results, the current month cannot be selected. This field is mandatory.			
Currency	You can use this drop-down field to select from all valid currencies in CLM/RTGS.			
	This field is mandatory.			





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.			
	This field is mandatory.			
Reference Month	Indicates the end-point of the date range for which the dynamic report should contain data.			
	Valid values:			
	Current Month			
	Previous Month			
	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.			
	The system will automatically calculate the start of the date range based upon the			
	date at the time of execution.			
	This field is mandatory.			

Table 130 - TRN10 - Prompt description - Dynamic

### Screenshot - output screen

ar	`get  🖺 ~	.0*	∩ ∩ <b>⊳</b> •	Ç		TRN10 - Monthly value and T2 statistical framework) $$	🍼 🍸 … 端 🗅 💄 (
	<b></b>						
	CLM RTGS						
1	target			TRN1	0 - Monthly	value and volume of cash transfers in CLM	2021-0 07:1 DEV - Development and integr
C	BXXKMD0XXX - Cen	tral Bank o	of Fiction				
	Filters Year From : 20 Year To : 20 Currency : EL	19	Month From : A Month To : A				
	Distribution per CB in April 2019	CLM					
	Country Code CB	Volume	Daily average volume	Value	Daily average value		
	КМ	160	32.00	153,972,251.44	30,794,450.29		
	KP	51	10.20	65,410,846.18	13,082,169.24		
	Total	211	42.20	219,383,097.62	43,876,619.52		
	DVU82000001 - CBX	XKMD0 (A	DV) Advanced				Page: 1

### Figure 360 - TRN10 output (1)



Predefined reports

Transaction reports (TRN)

	LM RTGS								
t	arget			TRN10	- Monthly va	ue and volume of cash transfers in RTGS	,	EV - Devel	compart and
CEP	ORMD000X - Cent	tral Bank o	/ Fiction					C.Y - Dever	privers are
Fit	Year From : 20 Year To : 20 Currency : EU	19	Month From : A Month To : A						
	stribution per CB in I pril 2019	RTGS							
	Country Code CB	Volume	Daily average volume	Value	Daily average value				
1	CZ	264	52.80	82,780,038.34	16,556,007.67				
	FO	132	26.40	41,390,035.59	8,278,007.12				
	GL	132	26.40	41,390,035.11	8,278,007.02				
	KM	4,176	835.20	1,309,429,206.8	261,885,841.36				
	KP	1,728	345.60	541,832,551.82	108,366,510.36				
	PL.	264	52.80	82,780,037.66	16,556,007.53				
	Total	6,696	1,339.20	2,099,601,905.32	419,920,381.06				

# Figure 361 - TRN10 output (2)

### Output description

Field label	Description			
One table per Service (CLM/RTGS) and	d 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 131 - 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

≡	Data Warehouse 🕞 TRN11 - Mont syste	em entities 🗸		Ф <i></i>
i.	C Edit 🖺 ▾ ⇔ ⇔ ▷ ヾ ♂			♥ Filters
	TRN11 - Monthly value and volum	e of cash transfers between system entities		
	Run the report with manual or dynamic Dates : * Manua	al ~ Reprompt		
	Year From :* Please select the starting year ~	Year To :* Please select the ending year ~		
	Month From : *	Month To:*		
	T2 CLM COMPONENT			
	Service :* T2 RTGS COMPONENT			
	Select all Deselect all			
	Currency :* Please select the currency ~			
		Cancel		
		Cancel Finish		

Figure 362 - TRN11 prompt - Manual



≡	Data Warehouse 🖹 TRN11 - Mont system entities 🗸	Q Search content	÷	Ф <i></i>
i.	C Edit B × ← → ▷ × C			⊽ Filters
	TRN11 - Monthly value and volume of cash transfers between system entities			
	Run the report with manual or dynamic Dates:* Dynamic V Reprompt			
	Reference Month :* Current Month ~			
	Number of Months (Incl. Ref. Month) :* Reference Month ~			
	T2 CLM COMPONENT			
	Service :* T2 RTGS COMPONENT			
	Select all Deselect all			
	Currency :* Please select the currency ~			
	Cancel Finish			

### Figure 363 - 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.				
	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. For valid report results, the current month cannot be selected.				
У <b>Т</b> -	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.				
	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.
	For valid report results, the current month cannot be selected.
	This field is mandatory.
Service	You can use this drop-down field to select a Service.
	Possible values:
	I CLM
	I RTGS
	I CLM + RTGS
	This field is mandatory.
Currency	You can use this drop-down field to select from all valid currencies in
	CLM/RTGS.
	This field is mandatory.

Table 132 - 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. Valid values: Current Month
	Previous Month This field is mandatory.



dynamic report should contain data. The system will automatically calculate the start of the date range based upon the date at the time of execution. This field is mandatory.
You can use this drop-down field to select a Service. Possible values: I CLM I RTGS I CLM + RTGS
This field is mandatory.
You can use this drop-down field to select from all valid currencies in CLM/RTGS. This field is mandatory.

Table 133 - TRN11 - Prompt description - Dynamic

### Screenshot - output screen

	all Volume	0							
r Over	all volume	Overall va	lue						
ta	ng€	t					TRN	N11 - Monthly value and volume of cash transfers between system entities	2021
	(MD0XXX - (		of Fic	tion					DEV - Development and inte
	Year From :						om : Ap		
Filters	Service :	CLM & RTO	SS		M	onth To	a : Apr	pni	
. —	Currency :	EUR							
2019	9 - 04								
Mon	thly volume	of cash tran	sfers o	lebited o	on acc	ounts h	held by (	/ CB from Euro area	
		Debited CB	Euro	area					
			KI	KM	KP	KR	Total		
Cree	dited CB		N	r.w	N.	i an	PO LA		
	ro area	КІ		96	12		108	8	
		КМ	96	5,711	576	96	6,479	9	
		KP	24	576	120	24	744		
		KR		96	12		108		
		Total	120	6,479		120	7,439		
EU		CZ FO	4	96 192	12 36	4			
		GL	4	96	12	4	108		
		KW	16	384	96	16			
		PL		96	12		108	8	
		Total	20	864	168	20	1,072	2	
Tot	al		140	7,343	888	140	8,511	1	

### Figure 364 - TRN11 output (1)



Predefined reports Transaction reports (TRN)

	<b>_</b>	(4	0	Č (	C _	TRN11 - Monthly value and between system entities 🗸 🔨 🔨 😽 😽	4	
verall Volume	Overall Va	alue						
rediled CB								
Euro area	кі		96	12		108		
	КМ	96	5,711	576	96	6,479		
	KP	24	576	120	24	744		
	KR		96	12		108		
	Total	120	6,479	720	120	7,439		
EU	CZ		96	12		108		
	FO	4	192	36	4	236		
	GL		96	12		108		
	KW	16	384	96	16	512		
	PL		96	12		108		
	Total	20	864	168	20	1,072		
Total						8,5m		
	e of cash tran Debited CB	slers d				8,511 held by CB from EU (non-Earo) area		
		EU	lebiled o					
fonthly volume		EU	lebiled o	on acco				
fonthly volume		EU	ebiled o	on acco				
	Debited CB	EU CZ	PL 96	on acco				
fonthly volume	Debiled CB	EU CZ 96 24	PL 96	Total				
fonthly volume	KM KP	EU CZ 96 24	PL 96 24 120	Total 192 48	ounts t			
fonthly volume Credited CB Euro area	KM KP Total	EU CZ 96 24 120	PL 96 24 120 4	Total 192 48 240	ounts t			
fonthly volume Credited CB Euro area	KM KP Total FO	EU CZ 96 24 120 4	PL 96 24 120 4 16	Total 192 48 240 8	ounts t			
fonthly volume Credited CB Euro area	KM KP Total FO KW	EU CZ 96 24 120 4 16 20	PL 96 24 120 4 16	Total 192 48 240 8 32	ounts t			
Konthly volume Gredited CB Euro area EU	KM KP Total FO KW	EU CZ 96 24 120 4 16 20	PL 96 24 120 4 16 20	Total 192 48 240 8 32 40	ounts t			

Figure 365 - TRN11 output (2)

	∎ • ∩	<b>∩</b>	Ç			
Overall Volume	e Overall Val	ue				
arg	et			TRN1	- Month	ly value an
3XXKMD0XXX	- Central Bank	of Fiction				
	m : 2019		Month From : April			
	: 2019 : CLM & RTG		Month To : April			
	y : EUR					
2019 - 04						
Monthly value	of cash transfe	re debited on ac	counts held by CB f	rom Euro area		
wormey value	on Generi Balloid		countra read by OD I	om caro area		
	Debiled CB	Euro area				
					100	
Credited CB		KI	KM	KP	KR	Total
Euro area	кі		30,101,835.26	5,209,928.83		35,311,764.09
Lorourea	KM	30,101,835.26	6,508,776,735.34	180,610,854.34	30,101,835.06	6,749,591,260.00
	KP	10,419,861.47	180,610,854.34	52,099,261.98	10.419.861.38	253,549,839.17
	KR	10,110,001.11	30,101,835.06	5,209,928.79	10,410,001.00	35,311,763.85
	Total	40,521,696.73			40,521,696.44	7,073,764,627.11
EU	CZ		30,101,835.78	5,209,928.88	10,02.1,000.11	35,311,764.66
	FO	1,736,643.94	60,203,651.45	15,629,783.45	1,736,643.92	79,306,722.76
				5,209,928.90		35,311,764.96
	GL					
	GL KW	6.946.575.77	30,101,836.06 120.407.261.36		6.946.575.71	
	KW	6,946,575.77	120,407,261.36	41,679,418.33	6,946,575.71	175,979,831.17
		6,946,575.77 8,683,219,71				

Figure 366 - TRN11 output (3)



Predefined reports Transaction reports (TRN)

		Q <b>⊳</b> ~	<u> </u>				TRN11 - Monthly value and between system entities 🗸	▼ … ≪	
verall Volume	Overall Val	lue							
Crediled CB	-								
Euro area	KI		30,101,835.26	5,209,928.83		35,311,764.09			
	КМ	30,101,835.26	6,508,776,735.34	180,610,854.34	30,101,835.06	6,749,591,260.00			
	KP	10,419,861.47	180,610,854.34	52,099,261.98	10,419,861.38	253,549,839.17			
	KR		30,101,835.06	5,209,928.79		35,311,763.85	6		
	Total	40,521,696.73	6,749,591,260.00	243,129,973.94	40,521,696.44	7,073,764,627.11			
EU	CZ		30,101,835.78	5,209,928.88		35,311,764.66			
	FO	1,736,643.94	60,203,651.45	15,629,783.45	1,736,643.92	79,306,722.76	i		
	GL		30,101,836.06	5,209,928.90		35,311,764.96	h		
	KW	6,946,575.77	120,407,261.36	41,679,418.33	6,946,575.71	175,979,831.17	2		
			30,101,835.52	5,209,928.86		35,311,764.38			
	PL		30,101,030.02						
	PL. Total	8,683,219.71			8,683,219.63	361,221,847.93			
Total Aonthly value	Total	49,204,916.44	270,916,420.17 7,020,507,680.17		49,204,916.07	361,221,847.93			
	Total	49,204,916.44	270,916,420.17 7,020,507,680.17	72,938,988.42 316,068,962.36	49,204,916.07	361,221,847.93			
	Total of cash transfe Debited CB	49,204,916.44	270,916,420.17 7,020,507,680.17 counts held by CB	72,938,988.42 316,068,962.36	49,204,916.07	361,221,847.93			
fonthly value	Total of cash transfe Debited CB	49,204,916.44 ers debited on ac	270,916,420.17 7,020,507,680.17 counts held by CB	72,938,988.42 316,068,962.36 from EU (non-Euro)	49,204,916.07	361,221,847.93			
fonthly value	Total of cash transfe Debited CB	49,204,916.44 ers debited on ac EU CZ	270,916,420.17 7,020,507,680.17 counts held by CB PL 30,101,835.52	72,938,988.42 316,068,962.36 from EU (non-Euro) Total	49,204,916.07	361,221,847.93			
fonthly value	Total of cash transfe Debited CB	49,204,916.44 ers debited on ac EU CZ 30,101,835.78	270,916,420.17 7,020,507,580.17 counts held by CB PL. 2 30,101,835.52 10,419,861.57	72,938,988.42 316,068,962.36 from EU (non-Euro) liotal	49,204,916.07	361,221,847.93			
fonthly value	Total of cash transfe Debited CB KM KP	49,204,916.44 ers debited on ac EU CZ 30,101,835.78 10,419,861.64	270,916,420.17 7,020,507,580.17 counts held by CB PL	72,938,988,42 316,068,962,36 from EU (non-Euro) fotal 60,203,671,30 20,839,723,21	49,204,916.07	361,221,847.93			
fonthly value Credited CB Euro area	Total of cash transfe Debiled CB KM KP Total	49,204,916.44 ens debited on ac EU CZ 30,101,835.78 10,419,861.64 40,521,697.42	270,916,420.17 7,020,507,680.17 counts held by CB PL. 2 30,101,835.52 10,419,861.57 40,521,697.09 1,736,643.94	72,938,988,42 316,068,962,36 from EU (non-Euro) fotal 60,203,671,30 20,839,723,21 81,043,394,51	49,204,916.07	361,221,847.93			
fonthly value Credited CB Euro area	Total  Total  Total  Total  Cash transfer  Cash tra	49,204,916.44 ers debited on ac EU CZ 30,101,835.78 10,419,861.64 40,521,697.42 1,736,643.96	270,916,420.17 7,020,507,680.17 counts held by CB PL. 2 30,101,835.52 10,419,861.57 40,521,697.09 1,736,643.94	72,938,988.42 316,068,962.36 from EU (non-Euro) foolal 50,203,671.30 20,639,273.21 81,043,394.51 34,473,287.90 13,893,151.72	49,204,916.07	361,221,847.93			
fonthly value Credited CB Euro area	Total           Total	49,204,916.44 em debiled on ac EU CZ 30,101,835.78 10,419,86164 40,521,697.42 1,736,643.96 6,946,575.88 8,683,219.84	270,916,420.17 7,020,507,680.17 7,020,507,680.17 7,020,507,680.17 7,020,507,680.17 7,020,507,680.17 9,020,507,680.17 9,020,507,680.17 1,020,507,680.171,020,507,507,507,507,507,507,507,507,507,50	72,938,988.42 316,068,962.36 from EU (non-Euro) liotal 50,203,671.30 20,839,751.21 3,473,28790 3,473,28790 3,483,151.72 17,366,439.62	49,204,916.07	361,221,847.93			

### Figure 367 - TRN11 output (4)

TRN11 – Report description – output	screen – table overall volume
Field label	Description
Only cash transfers are selected for this	s report according to T2 statistical framework.
One block for each month with two table	es.
Table "Cash transfers debited on accout table by "Euro area".	ints held by CB from Euro area". The tables are sorted by month and within each
Columns "Euro area"	Each column contains one ISO country code. All EUR-countries are listed.
	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. 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 accou	unts 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.
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.
	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 134 - 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 135 - TRN11 - Output description - Table overall value



# 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.

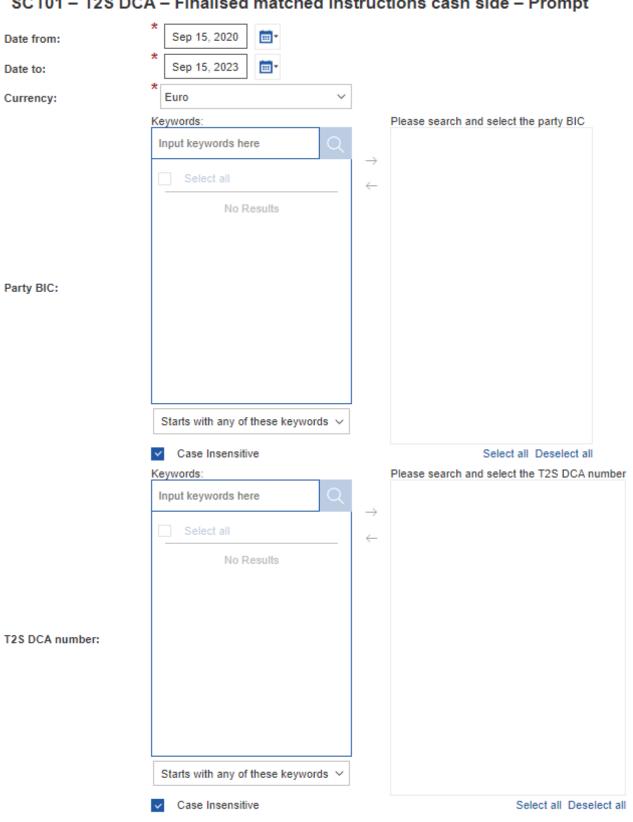
### **Report Access**

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT01



### **Screenshot**



# SCT01 - T2S DCA - Finalised matched instructions cash side - Prompt

### Figure 368 - SCT01 prompt screen



### **Field Description**

SC	CT01 – Finalised matched instructions – Prompt Screen
Date From	You can select the date by clicking on the calendar. 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. This field is mandatory.
Currency	You can use this drop-down field to select the currency. 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. This field is optional.

### Screenshot

1 – T2S DCA – Finalised matched instructions cash side	8.25:14 IAC - Internal User Acceptance Test
	14
	- 125 DCA – Finansed matched instructions cash side

			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	0	0.00	0.00
DVP	STND	3,059	2,585,796,573.00	2,585,497,390.00	3.173	2,545,214,573.00	2,544,915,390.00	6,232	5,131,011,146.00	5,130,412,780.00
DUUD	CATR	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
DWP	STND	769	69,987,274.00	69,870,176.00	756	69,965,396.00	69,868,298.00	1,525	139,932,670.00	139,738.474.00
PFOD	CATR	361	102,068,624.00	102,068,624.00	365	102,068,693.00	102,068,693.00	726	204,137,317.00	204,137,317.00
PFOD	STND	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
T	otal	4,189	2,757,832,471.00	2,757,436,190.00	4,294	2,717,248,662.00	2,716,852,381.00	8,483	5,475,081,133.00	5,474,288,571.00

### Figure 369 - SCT01 output screen

### **Field Description**

S	CT01 – Finalised matched instructions – Output Screen
Transaction type code	Shows the transaction type code of the settlement transaction.
	Possible values are:
	DVP (delivery versus payment)
	DWP (delivery with payment)
	PFOD (payment free of delivery)
Transaction sub-category	Shows the transaction sub-category of the settlement transaction.



	Possible values are:
	CATR (cash transfer)
	I STND (standard)
	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 (pe	r 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 type / sub-category combinations.

# 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.

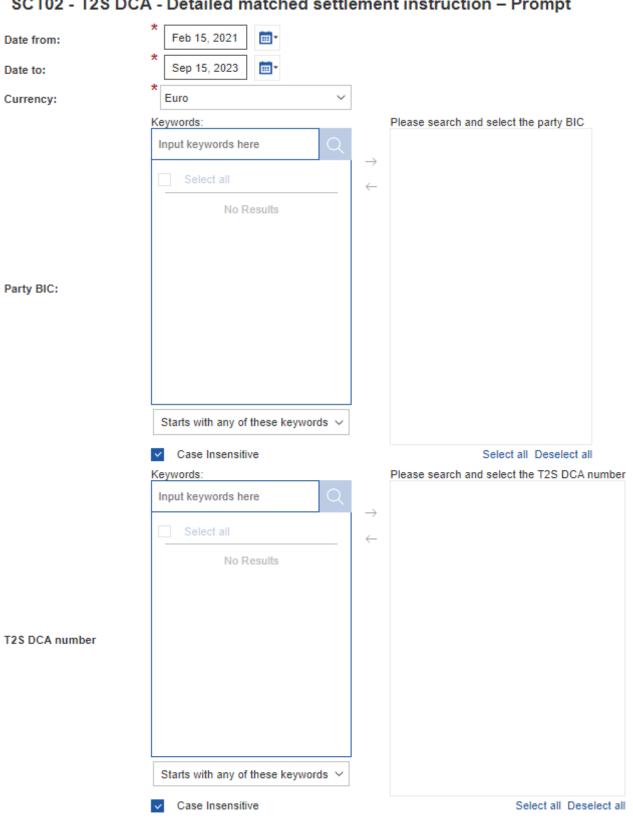
### Report Access

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT02



### **Screenshot**



# SCT02 - T2S DCA - Detailed matched settlement instruction - Prompt

### Figure 370 - SCT02 Prompt



### **Field Description**

SCT02 – De	tailed matched settlement instructions – Prompt screen
Date From	You can select the date by clicking on the calendar. 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. This field is mandatory.
Currency	You can use this drop-down field to select the currency. 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. 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. This field is optional.

### Screenshot

RGETRASECUR	5		SCT02 - T2	S DCA – [	Detaileo	d finalise	ed settlement	t instructi	ons – V	olume	IAC	C - Internal User Ac	2024-04 10:32 ceptance 1
ers Date from Currency	2023-04-10 to: 2024-0 Euro	4-10											
S DCA – Detail	ed finalised settlemen	t instructions –	volume										
			Debit				Credit				Total		
			DODIE				Great				Total		
	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
type code		totally	Volume partially settled / partially			totally	Volume partially settled / partially			totally	Volume partially settled / partially		
type code	category	totally	Volume partially settled / partially cancelled	cancelled		totally settled	Volume partially settled / partially	cancelled	total	totally	Volume partially settled / partially	cancelled	total
DVP	CATR	totally settled 0	Volume partially settled / partially cancelled	cancelled 0	total 0	totally settled 0	Volume partially settled / partially cancelled 0	cancelled 0	total 0	totally settled	Volume partially settled / partially cancelled	cancelled 0	total
type code	CATR CATR STND	totally settled 0 2,311	Volume partially settled / partially cancelled 0 302	cancelled 0 446	total 0 3,059	totally settled 0 2,311	Volume partially settled / partially cancelled 0	cancelled 0 560	total 0 3,173	totally settled	Volume partially settled / partially cancelled 0 604	cancelled 0 1,006	<b>totai</b> 6,23
type code DVP DWP	Category CATR STND CATR	totally settled 0 2,311 0	Volume partially settled / partially cancelled 0 302 0	cancelled 0 446 0	total 0 3,059 0	totally settled 0 2,311 0	Volume partially settled / partially cancelled 0 302 0	cancelled 0 580 0	total 0 3,173 0	totally settled 0 4,622 0	Volume partially settled / partially cancelled 0 604 0	cancelled 0 1,006 0	total 6,23 1,52
type code	CATR CATR STND CATR STND	totally settled 0 2,311 0 585	Volume partially settled / partially cancelled 0 302 0 62	cancelled 0 446 0	total 0 3.059 0 769	totally settled 0 2,311 0 585	Volume partially settled / partially cancelled 0 302 0	cancelled 0 580 0 109	total 0 3,173 0 756	totally settled 0 4,622 0 1,170	Volume partially settled / partially cancelled 0 604 0 124	cancelled 0 1,006 0 231	Volume total 6,23 1,52 72

### Figure 371 - SCT02 output screen, tab 1



SCT02 – T2S DCA – Detailed finalised settlement instructions – amount

2024-04-10 10.32.57 IAC - Internal User Acceptance Test

Filters Date from: 2023-04-10 to: 2024-04-10 Currency : Euro T25 DCA - Detailed finalised settlement instructions - amount

Amount partially cancelled Amount partially cancelled Amount totally settled Amount totally cancelled Matched Amount totally settled Amount Transaction type code sub-category Matched amount Amount partially Amount totally cancelled Matched Amount total Amount total CATR 0.00 0.00 0.00 0.00 DVP STND CATR STND 66.00 0.00 152.00 2.585.497.590.00 2.545,214.573.00 2 585,796,573 00 58 655 016 00 58,655,016.00 1,715,455.00 2.544,915,390.00 5,131,011,146.00 2,525,126,853.00 66.00 2,484,544,853,00 120,740,942,00 0.00 0.00 0.00 69.870.176.00 0.00 0.00 0.00 0.00 0.00 0.00 69.725.677.00 0.00 DWP 69,967,274.00 139,659,254.00 69,965.396.00 CATR 102,068,624.00 102,067,857.00 0.00 0.00 757.00 102 068,624.00 102,068,693.00 102.067,867.00 0.00 0.00 825.00 102,068,693,00 204,137,317.00 204,135,734.00 PFOD STND 0.00 0.00 0.00 6.00 0.00 0.00 0.00 0.00 2,757,832,471.00 230.448,560.00 1,819,405.00 218.00 2,525,168,007.00 2,757,436,190.00 2,717,248,662.00 230,448,560.00 1,819,405.00 218.00 2,484,584,198.00 2,716,852,381.00 5,475,081,133.00 464,535,930.00

### Figure 372 - SCT02 output screen, tab 2

SCT02 – Detailed matched settlement instructions – OUTPUT SCREEN – Tab 1					
T2S DCA – Detailed finalised settlement instructions - volume					
Transaction type code	Shows the transaction type code of the settlement transaction.				
	Possible values are:				
	DVP (delivery versus payment)				
	DWP (delivery with payment)				
	PFOD (payment free of delivery)				
Transaction sub-category	Shows the transaction sub-category of the settlement transaction.				
	Possible values are:				
	CATR (cash transfer)				
	I STND (standard)				
	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.				
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.				

SCT02 - volume SCT02 - amount



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.					
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 (pe	er 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.					
Volume totally cancelled	Sum of 'Volume totally cancelled' over debit and credit.					
Total	Sum of 'Total' over debit and credit					
	Total					
Total	Sum for each column, summed over all transaction type / sub-category combinations.					

SCT02 – Detailed matched settlement instructions – OUTPUT SCREEN – Tab 2 T2S DCA – Detailed finalised settlement instructions - amount						
Transaction type code	<ul> <li>Shows the transaction type code of the settlement transaction.</li> <li>Possible values are: <ul> <li>DVP (delivery versus payment)</li> <li>DWP (delivery with payment)</li> </ul> </li> </ul>					
Transaction sub-category	<ul> <li>PFOD (payment free of delivery)</li> <li>Shows the transaction sub-category of the settlement transaction.</li> <li>Possible values are: <ul> <li>CATR (cash transfer)</li> <li>STND (standard)</li> </ul> </li> </ul>					
De	ebit					
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.
Ci	edit
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.
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.
Total (per transaction type code/s	ettlement transaction sub-category)
Matched amount	Sum of 'Matched amount over debit and credit.



	Sum of 'Amount totally settled' plus 'Amount partially settled' over debit and credit.
Тс	otal
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



			· · · · · · · · · · · · · · · · · · ·
Date from:	* May 15, 2021		
Date to:	* Sep 15, 2023		
Currency:	* Euro V		
	Keywords:		Please search and select the party BIC
	Input keywords here	$\rightarrow$	
	Select all	$\leftarrow$	
	No Results		
Party BIC:			
	Starts with any of these keywords $\smallsetminus$		
	<ul> <li>Case Insensitive</li> </ul>		Select all Deselect all
	Keywords:		Please search and select the T2S DCA number
	Input keywords here	$\rightarrow$	
	Select all	$\leftarrow$	
	No Results		
T2S DCA number:			
	Starts with any of these keywords $\smallsetminus$		
	Case Insensitive		Select all Deselect all

## SCT03 - T2S DCA - Follow-up by time slot of settlement activity

### Figure 373 - SCT03 Prompt



### **Field Description**

SCT03 – Follov	v-up by time slot of settlement activity – Prompt screen
Date From	You can select the date by clicking on the calendar. 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. This field is mandatory.
Currency	You can use this drop-down field to select the currency. 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. 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. This field is optional.

### Screenshot

5					SCT03	- T2S DCA - Follow-u	up by time slot	of settlement a	activity	- volum	e		14C - 1	2024-04 9-31 Internal User Acceptance T	
	12.48 Date to 2024.04														
						Volume of instructions - Debit						Volume of instructions - Credit			
fransaction type code	Transaction sub- category	Settlement status	tet NTS cycle	Last NTS cycle	RT1 before inhaday DVP out-off	RT2 before ECID intradey credit reimburgement	RT3 before EGD intracky FOP extoff	RT4 effect intraday POP esit off	1at NTS cycle	Last NTS cycle	RT1 before introday DVP cut-off	RT2 before EOD intraday credit reimburgement	RT3 before EDD intraday FOP outoff	RT4 after intracky PDI out-off	
		Totally setted	0	0	0	0	9	0	0	0	0	0	9		
	CATR	Partially settled (partially cancelled	0	0	0	0	0	0	0	0	0	0	0		
0//9		Totally cancelled	0		0	0	0	0	0	0	0	0	9		
0.000		Totally settled	- 54	199	1.657	1		0	-54	109	1,957	0	9		
	STND	Partially settled : partially cancellod	0	15	285	8	<u></u>	0	Ű	15	285	9	0		
		Totally cancelled	0	0	481			0	0	.0	550	0	0		
		Totally settled	0	0	0	0	0	a	0	0	0	0	0		
	CATH	CATH	Partially settled / partially cancelled	0		0			0	0	9	0	0	0	
DWP		Totally cancelled	0	0	0	0	9	0	0	0	Ó	0	0		
D.M.C.		Totally settled	5	- 45	547		0	0	.5	45	592	0	0	1 13	
	STND	cancelled		54	0	0	10								
		Totally cancelled	. 0		121	6		0	0	0	106	0		1 13	
		Totally settled	17	53	284	0	0	0	17	- 53	264	0	6		
	CATR	Partially settled / partially cancelled	0	9.	0			0	0	0	0	0	0	1 2	
PFOD		Totally cancelled	0	0.	1	0	0	0	0	0	5	0	0		
20209S		Totally settled	0	0	0		0	0	0	0	0	0	0	1 0	
	STND	Partially settled / partially cancelled	0	0.	0	*	0	0	0	0	0	0	5		
		Totally cancelled	0	0.	0	6	0	0	0	0	0	0	0	1	
	Total		28	320	3,660			0	- 26	. 520	3,760	0		1	

Figure 374 - SCT03 output screen, tab 1



T2S Predefined reports T2S Cash account (SCT)

S-S					SCT	03 - T2S DCA - Follo	w-up by time slo	ot of settleme	nt activi	ty - amou	int		táC - Im	2024-04 9-31 email User Acceptance 1	
	1.62.68 Date to 2024.6 y firms slot of authorness														
Transaction type	Transaction sub-	Settement	1at NTS	Last NTS	RT1 before intraday DVP	Amount of instructions - Debit RT2 before EOD intrades credit	RT3 before EOD Intraday	RT4 after introday	1st NTS	Last NTS	RT1 before intraday DVP	Amount of instructions - Credit RT2 before EOD intraday credit	RT3 before EOD intradey	RT4 after intraday	
code	category	slatus	cycle	cycle	cut off	reinbursement	FOP outoff	FCP out-off	cycle	cycle	cut-off	reinbursement	FOP cutoff	FOP out off	
		Totally settled	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.0	
		Partially settled	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.0	
	CATR	Particity cancelled	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.0	
		Totally cancelled	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DALA		Totally settled	198,218,00	11.575.035.00	45.431.470.00	9.00	0.00	0.09	198,218.00	11.575.035.00	45 431 476 30	0.00	0.00	0.0	
		Partially settled	0.00	148 171 00	1.545.984.00	0.00	0.00	0.00	0.00	545 171.00	1.546.984.00	0.00	0.00	0.0	
	STND	STND	Pertially cancelled	0.00	0.00	65.00	9.00	0.00	0.00	0.00	0.00	65.00	0.00	0.00	0.0
		Totally cancelled	0.00	0.00	2 525 093 407 00	0.00	0.00	0.00	0.00	0.05	2,484,501,368,10	0.00	0.00	0.0	
		Totally settled	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
		Partially setted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.0	
	CATR	Portially cancelled	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	
SWP		Totally cancelled	0.00	0.90	0.00	9.00	0.00	g go g	0.00	0.00	0.00	9.00	0.00	0.0	
Cherry .		Totally settled	100.082.001	22,101,007.00	47.324.527.00	0.00	0.00	0.00	100.082.00	22.101.007.00	47.324.527.00	0.00	0.00	0.0	
		Pertinity settled	0.00	155.00	103 794 00	0.00	0.00	0.09	0.00	156.00	103,704.00	0.00	0.00	0.00	
	STND	Partially cancelled	0.00	0.00	152.00	9.00	9.00	9.00	8.00	0.09	152.00	6.00	0.00	0.9	
			Totally cancelled	0.00	0.00	40,301.00	0.00	0.00	0.09	0.00	0.00	30.513.00	0.00	0.00	0.0
		Totally settled	485.00	33,013,825,00	69 059 074 00	0.00	0.00	0.00	465.00		00.050.074.00	0.00	0.00	0.9	
		Partially settled	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.0	
	CAFR	Fernally cancelled	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	
PFOD		Totally cancelled	0.00	0.00	757.00	0.00	8.90	0.00	0.00	0.00	826.01	0.00	0.00	0,0	
Proal 5		Totally settled	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	5 09 <sup>°</sup>	0.00	
		Partially settled	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	
	STND	Pertially cascelled	0.00	0.00	0.00	0.00	9.09	0.00	0.60	0.05	0.00	0.00	0.00	0.0	
	Totally cancelled	0.00	0.00	0.00	0.00	0.00	00.0	0.00	0.05	0.20	0.00	0.00	0.00		
	Total		298,785.00	86,839,194.00	2,688,591,627.00	0.00	9,00	0.00	298,785.00	65,839,194,00	2,647,997,776.00	0.00	0.00	0.0	

### Figure 375 - SCT03 output screen, tab 2

SCT03 – Follow-up by time slot of settlement activity – OUTPUT SCREEN – Tab 1					
123 0	CA – Follow-up by time slot of settlement activity - volume				
Transaction type code	Shows the transaction type code of the settlement transaction.				
	Possible values are:				
	DVP (delivery versus payment)				
	DWP (delivery with payment)				
	I PFOD (payment free of delivery)				
Transaction sub-category	Shows the transaction sub-category of the settlement transaction.				
	Possible values are:				
	I CATR (cash transfer)				
	STND (standard)				
Settlement status	Shows the status of the settlement instruction.				
	Possible values are:				
	I Totally settled				
	Partially settled / partially cancelled				
	I Totally cancelled				
	Volume of instructions - debit				
Time slots (one line per time	Shows the aggregated volume of the SIs (debit side) for each designated time slot,				



slot):	within the transaction type code / transaction subcategory / settlement status
I 1st NTS cycle	combination.
Last NTS cycle	
RT1 before intraday DVP cut-off	
RT2 before EOD intraday credit reimbursement	
<ul> <li>RT3 before EOD intraday</li> <li>FOP cut-off</li> </ul>	
RT4 after intraday FOP cut- off	
	Volume of instructions - credit
Time slots (one line per time slot):	Shows the aggregated volume of the SIs (credit side) for each designated time slot, within the transaction type code / transaction subcategory / settlement status
I 1st NTS cycle	combination.
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
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 T2S DCA – Follow-up by time slot of settlement activity - amount							
Transaction type code	<ul> <li>Shows the transaction type code of the settlement transaction.</li> <li>Possible values are: <ul> <li>DVP (delivery versus payment)</li> <li>DWP (delivery with payment)</li> <li>PFOD (payment free of delivery)</li> </ul> </li> </ul>						
Transaction sub-category	<ul> <li>Shows the transaction sub-category of the settlement transaction.</li> <li>Possible values are: <ul> <li>CATR (cash transfer)</li> <li>STND (standard)</li> </ul> </li> </ul>						
Settlement status	Shows the status of the settlement instruction. Possible values are: Totally settled Partially settled Totally cancelled Partially cancelled						
	Value of instructions - debit						
<ul> <li>Time slots (one line per time slot):</li> <li>1 st NTS cycle</li> <li>Last NTS cycle</li> <li>RT1 before intraday DVP cut-off</li> <li>RT2 before EOD intraday credit reimbursement</li> <li>RT3 before EOD intraday FOP cut-off</li> <li>RT4 after intraday FOP cut-off</li> </ul>	Shows the aggregated amount of the SIs (debit side) for each designated time slot, within the transaction type code / transaction subcategory / settlement status combination.						
	Value of instructions - credit						



Time slots (one line per time slot):	Shows the aggregated amount of the SIs (credit side) for each designated time slot, within the transaction type code / transaction subcategory / settlement status
1 1st NTS cycle	combination.
Last NTS cycle	
RT1 before intraday DVP cut-off	
RT2 before EOD intraday credit reimbursement	
<ul> <li>RT3 before EOD intraday</li> <li>FOP cut-off</li> </ul>	
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.

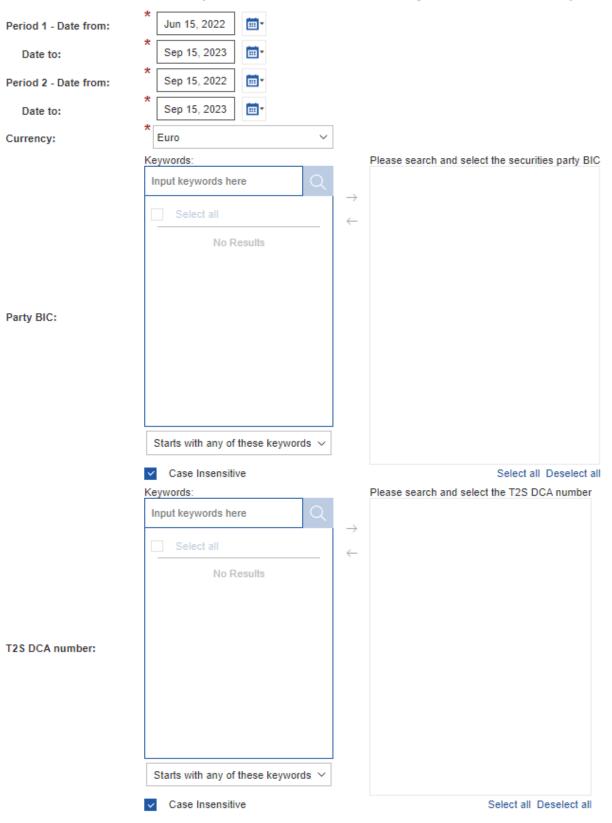
This report can be used by CB users.

### Report Access

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT04





# SCT04 - T2S DCA - Comparison of settlement activity between two time periods

#### Figure 376 - SCT04 Prompt



SCT04 – Comparison o	f settlement activity between two time periods – Prompt Screen
Period 1 Date From	You can select the date by clicking on the calendar. 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. For valid report results, the current day cannot be selected. This field is mandatory.
Period 2 Date From	You can select the date by clicking on the calendar. 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. For valid report results, the current day cannot be selected. This field is mandatory.



T2S Predefined reports T2S Cash account (SCT)

Currency	You can use this drop-down field to select the currency. 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. 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. This field is optional.

### **Screenshot**

	5		SCT	04 – T2S I	DCA – Co	mpariso	n of settle	ement acti	vity betv	veen two tim	e periods			IAC - internal	2024-0 10:4 User Acceptance
	ato from 2023-04-10 b ate from 2023-04-10 b Euro														
IS DCA - Compar	ison of settlement ac	livity between to	vo time periods												
					Debit							Credit			
Transaction type code	Transaction sub- category	Volume totally sottled	Volume partially settled / partially cancelled	Volume totally cancelled	Amount totally sottled	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
	CATR	0	0	0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.0
DAb	SIND	0	0	0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0 (
OWP	CATR	0	0	0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0
LIVEP.	STND	9	0	0	0.00	0.03	0.00	0.00	0	0	0	0.00	0.00	0.00	0.
PEOD	CATR	0	ð	8	0.06	0.00	6.00	0.00	0	0	0	0.00	0.00	0.00	0
PFOD	STND	9	0	0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0
1	Total	0	0	0	0.00	0.00	0.00	0.00	0	0	0	00.0	0.00	0.00	0.0
eriod 2: 2023.04	10 2023.04.10														
					Debit							Credit			
Transaction type code	Transaction sub- category	Volume totally settled	Volume partially settled / partially cancelled	Volume totally cancelled	Amount totally sottled	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.	9	0	0.96	0.00	0.00	0.00	0	0		0.00	0.00	0.00	0.0
UVP	STND	9	0	.0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.
DWP	CATR	0	0	0	0.00	0.03	0.00	0.00	0	p	0	0.00	0.00	0.00	0
UHR	STND	0	0	0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0
PFOD	CATR	0	0	0	0.00	0.03	0.00	0.00	0	0	0	0.00	0.00	0.00	0
	STND	0	0	0	0.00	0.03	0.08	0.00	0	0	0	0.00	0.00	0.00	0.
3	Total	0	0	0	0.00	0.00	0.00	0.00	0	0	0	00.0	0.00	0.06	0.

Figure 377 - SCT04 output screen

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.					
	DVP (delivery versus payment)					
	DWP (delivery with payment)					



	PFOD (payment free of delivery)
Transaction sub-category	Shows the transaction sub-category of the settlement transaction.
	Possible values are:
	CATR (cash transfer)
	STND (standard)
	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.
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.								
	Possible values are:								
	DVP (delivery versus payment)								
	DWP (delivery with payment)								
	PFOD (payment free of delivery)								
Transaction sub-category	Shows the transaction sub-category of the settlement transaction.								
	Possible values are:								
	CATR (cash transfer)								
	STND (standard)								
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.

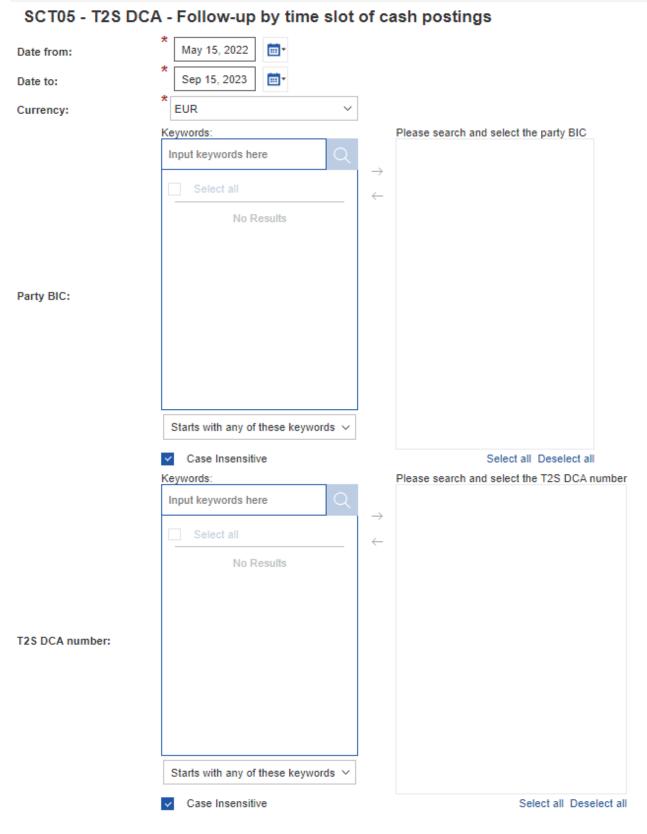
This report can be used by CB users.

### Report Access

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> SCT - T2S Cash account >> SCT05









### **Field Description**

SCT05 – Foll	ow-up by time slot of cash postings – Prompt Screen
Date From	You can select the date by clicking on the calendar. 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. This field is mandatory.
Currency	You can use this drop-down field to select the currency. 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. 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. This field is optional.

### Screenshot

te	5	SCT05 - T25 DCA - Follow-up by time slot of cash postings												
Item Date from.	2023-02-08 Diem vo 100 Euro	24-24-00												
S DCA - Follow	up by time stat of usah	postega												
						Volume						Amount		
Balance type	Origin	Depliferedit	fat NTS oyele	Last N15 syste	RT1 before intradity DVP cut- eff	\$12 before EOD intraday credit reimburgement	RT3 Sefore ECO intraday FOP extent	RTA after intraday FCP cut-	1st NT5 cycla	LastNTS	RT1 before intractay DVP cut-	RT2 before EOD intradity credit receiver second	RT2 before EDD intradity FOP subolf	RT4 after intraday FCP cut-
	Liquidity transfers	Debit	0		0		0	0	6.00	0.00	0.00	0.60	0.00	0.0
	ridnes/anises	Credit			0		0		0.00	0.00	0.00	8.62	0.00	0.00
		Tetal							0.00	0.00	0.00	0.00	6.04	
	Settlement	Debit	20		0	1	0		0.00	0.00	0.00	0.00	8.00	0.0
	instructions	Cieda	1.0		0	1			6.00	0.00	0.00	5.45	3.00	0.0
Binthing		Tetal		50			0		0.00	0.00	0.00	6.00	0.00	0.0
	Bettlement	Debit		15		105	1	6	030	,278,780 15	620,849,29	1.096,954,114,42	0.00	0.00
	restrictors	Credit	85	2	TeD	1	0	0	155.805.214 18	2,000.08	842 155,512 88	9.40	0.00	0.00
		Total	- 30	17	010	810	0	0	150,005,224.10	272,700.10	942.000,014.00	1,020,009,114,42	6.00	0.01
	Debit		- 0	15	50	806	0	0	0.00	278,100.15	020,062.29	1.006.954 114.40	0.00	0.00
	Credit		- 83	2	790			0	155.605.224.18	2.003.00	942 158,532.05	0.00	9.00	0.00
	Liquidity transfers	Debit	0		0		0	0	0.00	0.00	0.00	0.00	9.00	0.00
		Credit	0	.0	¢.		0	0	0.00	0.00	0.00	0.00	0.90	
		Tatal	1.0		Φ		4		010	0.00	0.00	5.60	8.00	0.00
	Settlement	Debit	0	- 2	0	1	0	0	0.00	0.09	0.00	0.60	0.00	0.00
	msh/p00015	Cradit			ē.		0	2	0.00	0.05	0.00	6.60	9.00	0.00
Co SD Binnking		Tetal	0		0		0	0	0.00	0.00	0.00	0.00	0.00	0.0
	Settlement	Otors	244		64	1.447	0	0	7.400,770,538.00	14,800 08	107,723.00	37,004,254,114,00	8.00	0.00
	(659)65928	Credit	5,498	1.1			0	0	28,704,424,312,00	15,300.00	5.100.106,662.00	0.00	0.00	0.00
		Tetal	1.742	18	361	1.447	0	6	49,105,194,911 (0	71,403.08	A.700.818,725-05	27.004.344.114.00	8.00	0.00
	Debit		244		24	1,447	0	.0	7,400.770,518.00	35,600,00	107,723.00	07.004,004.114.00	0.00	0.00
	Credit		1,495	3	277		0	0	35,704,424,575,00	35,000,00	6,700,708,502,00	0.00	0.00	0.00
	110000	Depri	1,027	404	5.792	96	795	20	210,789,618.18	2.945.253.71	95,815,651,795,14	55,755,092,47	1,622,118,105.08	10.145.00
	Liquidity transless	Cradit	102.9	661	5,762	26	795	20	218,789,613.18	2.048.209.71	95,915,551,795 14	30,735,932,97	1,622,118,105.08	10,146.00
		Total	2.054	005	17,604	100	1.800	40	\$33,670,026,28	8.004 827 42	199.801.103.800.20	81.473.875.94	0.244.255,277.08	20.240.00
	Settlement	Orbit	31	-362	3,790		412	0	317,016 81	00.812,738.98	162 795 855 11	0.40	353,674.00	0.00
	matrodisans	Credit	-81	367	3,700	1	413		317,050 61	00 812 738 58.	162,795,955 11	0.45	353,674.00	0.00
Delverable		Tetal	185	704	7,400	1	824	0	654,173.62	133,836,470 32	107.501,010.02	0.60	707,548.00	0.00
	Settlement	Dabit	1,032	91	1,000		0	0	33,955,111,955,50	38,000.00	0,5+4,407,535.20	20.00	0.00	0.00
	rectiedanc	Credit	244	30	210	2.014	0		7,400,770,018.00	072,011.00	1 796,200 52	28,101,010,202,01	0.00	0.00
		Total	1.575	41	1.504	2.615		9	45 210 882 524 50	410,011.05	6.645.201.895.81	38,101,018,252,01	8.00	0.00
	Debit		2.782	837	11,150	25	1 200	20	39.017 210.585 74	89,806,001 87	102.123 758.188 54	30.735 959.97	1.822.471.779.98	
	Credit		1,584	080	8,718	2,726	1.202	20	1.817.817.127.04	10,238,613,43	08.401.144.010.77	28,132,385,172,98	1.822,411,776.04	10.148.00
	I multi-transfers	Debit	0		0		0	0	0.00	.0.00	0.00	0.00	0.00	0.00



T2S Predefined reports T2S Cash account (SCT)

	the life of the	Debit	0.0	0	0			0	0.00	0.00	0.00	6.00	0.00	0.00 0.00 0.00 0.00
	Liquidly transfers	Gredit.		0	0	6	1	0	0.00	0.00	0.00	1.10	0.00	0.00
		Total	2	0	0		1	0	0.20	0.00	0.00	240	8.00	0.00
	Setlement	Debit .		.0	. ¢.	8		0	0.00	0.00	0.00	6.80	0.06	0.00
	enoitsetiens	Credit		0	¢	0	4	0	0.00	0.00	0.00	0.00	0.00	0.00
Reservation		Tatal		0	0	0	2	0	0.50	0.00	0.00	0.00	0.00	00.3 06.3 00.3
	Satisment	Debit	2	12	70	582	0	0	0.00	05,051.A1	1,107,856.25	410,004,01	2.00	0.00
	restrictions	Codt	51.	3	890.		1	0	82,280,62	100.00	1.651,001.63	38.00	0.00	0.00 0.00
		Tatal	57	38	670	380	1	0	02,030,62	-58,281,41	2,729,165.05	#10.024.51	0.00	0.00
	Debit			12	78	382	3	0	0.00	00,001.47	7.101.006.23	#10.004.81	3.00	0:00
	Credit		51	. A.	348		1	0	82,359,62	100.00	1.001.007.05	25.90	0.00	0.00
	Liquidity transfere	Debit	3	8	8		3	8	0.50	5.00	0.00	8.00	8.00	0.50
	ridrigel assesses	Crasil		0	0	6		ð	0.00	0.00	0.00	8.80	6.00	000 000 000 000 000 000 000
		Total	1	0	0	10	1	0	0.00	0.00	0.00	0.00	0.00	0.00
	Sottomant	Dekit		.0	0	1		0	0.00	0.00	0.00	8.00	0.00	0.00
	instructions	Credit		0	0	1	1	0	0.00	0.00	0.00	8.90	3.00	0.00
Computing.		Tatal		0	0	8	1	30	0.00	0.00	0.00	9.00	0.00	0.00 0.00
	Satisman	Debit		0	0	0	1	0	6.50	0.00	0.00	0.00	0.00	0.00
	restolater	Credit		0	0	0		0	0.00	0.00	0.00	0.05	0.00	C 00
		Tethi		0	0	1		.0	0.00	0.00	0.00	8.00	0.00	0.00
	Debit		0	0	0	0	1	0	0.00	0.00	0.00	0.00	0.00	0 0 0 0 0 0 0 0 0 0 0 0
	Credit			0	0		1	0.0	0.00	0.00	00 0	6.00	9.00	0.00
		Dekit	2,105	173	11.376	2,730	1218	20 45.4	17,859,154,74	10.268.613.43	1042.123.332.847.06	38,122,255,192,98	1,422,471,779,95	10,145.00
	Total	Crwdit	2,896	175	11.376	2,716	1,211	20 45.8	177,588.124.74	70,255,613,43	992,125,552,647-08	38,132,355,192,98	1.422.471,779.94	10,145.00
		Tetal	5,992	5,7.69	22,752	5.640	2,416	.40 42.9	155,978,249.08	140,537,929.99	201,254,405,244,42	26,262,710,385,94	3,344,943,559.94	25,210.00

### Figure 379 - SCT05 output screen

SCT05	<ul> <li>Follow-up by time slot of cash postings – Output Screen</li> </ul>
Balance type	<ul> <li>Shows the balance type for which the cash postings are displayed from the possible values:</li> <li>Earmarking</li> <li>Blocking</li> <li>CoSD blocking</li> <li>Deliverable</li> <li>Reservation</li> <li>For origin = "Liquidity Transfer", only balance type = Deliverable" is possible.</li> </ul>
Origin	<ul> <li>Shows the posting origin for which the cash postings are displayed from the possible values:</li> <li>Settlement instructions</li> <li>Settlement restrictions</li> <li>Liquidity transfers (only balance type "Deliverable")</li> <li>Total for all types</li> </ul>
Debit	The aggregation within origin of the cash postings on the debited side
Credit	The aggregation within origin of the cash postings on the credited side
Total (per balance type / origin)	The sums of 'Volume' and 'Amount' across 'Debit' and 'Credit' per column, within origin.
Time slots: <ol> <li>1st NTS cycle</li> <li>Last NTS cycle</li> <li>RT1 before intraday DVP cut-off</li> </ol>	The aggregation within debit/credit/total of all cash postings found for each designated time-slot.



RT2 before EOD intraday credit reimbursement	
RT3 before EOD intraday FOP cut-off	
RT4 after intraday FOP cut- off	
Volume	The aggregated number of cash postings are displayed for each balance type, origin and debit/credit/total within each of the above time slots.
Amount	The aggregated amount of cash postings are displayed for each balance type, origin and debit/credit/total within each of the above time slots.
<ul> <li>Total (per balance type):</li> <li>Total earmarking</li> <li>Total blocking</li> <li>Total COSD blocking</li> <li>Total deliverable</li> <li>Total reservation</li> </ul>	The sums of 'Volume' and 'Amount' across 'Debit' and 'Credit' per column, over all origins within balance type.
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, values 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 original quantity whether settled, partially settled or cancelled, the settled value and the settled value.

The results are displayed aggregated per transaction type code, transaction sub-category and securities movement type.

This report can be used by CSD users.

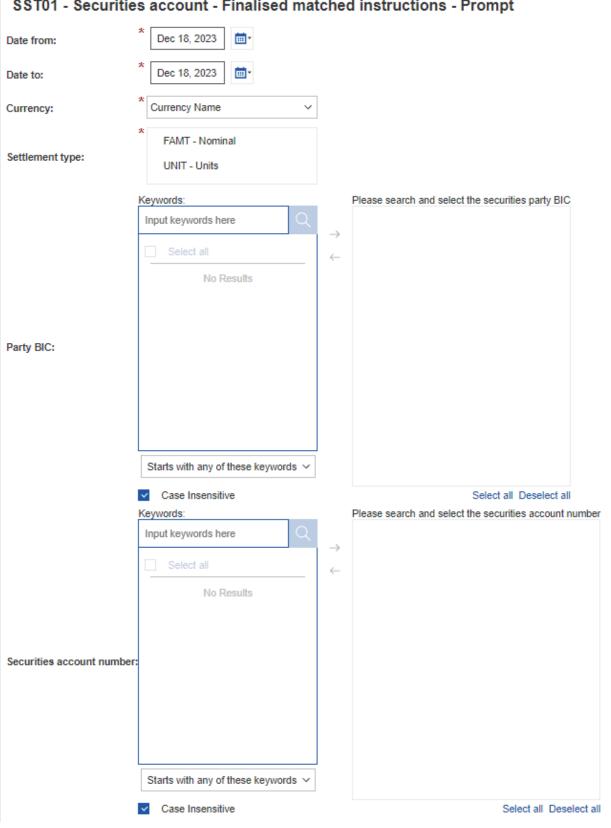


### Report Access

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> SST - T2S Securities account >> SST01







	Keywords:	Please search and select the ISIN
	Input keywords here	
	Select all	$\rightarrow$ $\leftarrow$
	No Results	
ISIN:		
13111		
	Starts with any of these keywords $$	
	<ul> <li>Case Insensitive</li> </ul>	Select all Deselect all
	DELI	
Securities movement type:	RECE	

### Figure 380 - SST01 prompt screen

SST01 – Finalised matched instructions – Prompt Screen							
Date From	You can select the date by clicking on the calendar. 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. This field is mandatory.						
Currency	Currency in which the SIs are settled. You can use this drop-down field to select the currency. 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.						



	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. This field is optional.
ISIN	The report output contains only settlement instructions with the selected securities. This field is optional.
Securities movement type	This selection specifies if the movement on a securities account results from a delivery or a receive instruction. Possible values: DELI RECE This field is optional.

	5			SST0	1 - Secu	irities a	account - Fina	alised ma	atched i	nstructi	ons			IAC	- Internal User	2024-04 11:20 Acceptance 1
Date from Currency Settlement ty	: 2023-04-10 Date to: : Euro pe : FAMT - Nominal															
curities account	- Finalised matched inst	ructions														
		lucuons	Di	ELI				RE	ECE				To	ital		
		Volume of settlement instructions	Di Instructed quantity	ELI Settled quantity	Matched amount	Settled amount	Volume of settlement instructions	RE Instructed quantity	ECE Settled quantity	Matched amount	Settled amount	Volume of settlement instructions	To Instructed quantity	settled quantity	Matched amount	Settled amount
IN: ATC8ATCOLI	L32 Settlement transaction sub-	Volume of settlement	Instructed	Settled				Instructed	Settled				Instructed	Settled		

### Figure 381 - SST01 output screen

SST01 – Finalised matched instructions – Output Screen DELI (only filled if movement type filter selected 'DELI' or all)						
Transaction type code	<ul> <li>Shows the settlement transaction type code set during the selected period duration of time from the possible values:</li> <li>I DVP (delivery versus payment)</li> <li>I DWP (delivery with payment)</li> <li>I FOP (free of payment)</li> </ul>					



	PFOD (payment free of delivery)
Transaction sub-category	Shows the subcategory of the settlement transaction from the possible values:
	I ALOP, BPDF, BPIN, BPSU, COBS, COBR, COCP, CORT, CORU, EPDE, EPIS, REAL, RERV, REPO, RPDE, RPIN, RPSU, STND
	Count of the number of finalised DELI settlement instructions within the given search criteria, per transaction type code and settlement transaction sub-category.
	Sum of instructed settlement quantities of the DELI settlement instructions, per transaction type code and sub-category
	Sum of settled quantities of the DELI settlement instructions, per transaction type code and sub-category
	Sum of matched settlement amounts of the DELI settlement instructions, per transaction type code and sub-category
	Sum of settled settlement amounts of the DELI settlement instructions, per transaction type code and sub-category
	Sum for each column in 'DELI' body, summed over all transaction type / sub-category combinations.
RECE	(only filled if movement type filter selected 'RECE' or all)
	Shows the settlement transaction type code set during the selected period duration of time from the possible values:
	DVP (Delivery versus payment)
	DWP (Delivery with payment)
	FOP (free of payment)
	PFOD (payment free of delivery)
Transaction sub-category	Shows the subcategory of the settlement transaction from the possible values:
	I ALOP, BPDF, BPIN, BPSU, COBS, COBR, COCP, CORT, CORU, EPDE, EPIS, REAL, RERV, REPO, RPDE, RPIN, RPSU, STND
	Count of the number of finalised RECE settlement instructions within the given search criteria, per transaction type code and settlement transaction sub-category.
	Sum of instructed settlement quantities of the RECE settlement instructions, per transaction type code and sub-category
	Sum of settled quantities of the RECE settlement instructions, per transaction type code and sub-category
	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 (alway	s filled and sums across all movement types selected in the filter)
Transaction type code	Shows the settlement transaction type code set during the selected period duration of time from the possible values: DVP (delivery versus payment)
	DWP (delivery with payment)
	FOP (free of payment)
	PFOD (payment free of delivery)
Transaction sub-category	<ul> <li>Shows the subcategory of the settlement transaction from the possible values:</li> <li>ALOP, BPDF, BPIN, BPSU, COBS, COBR, COCP, CORT, CORU, EPDE, EPIS, REAL, RERV, REPO, RPDE, RPIN, RPSU, STND</li> </ul>
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 settlement status.

The results are displayed aggregated per transaction type code, transaction sub-category and securities movement type and as totals.

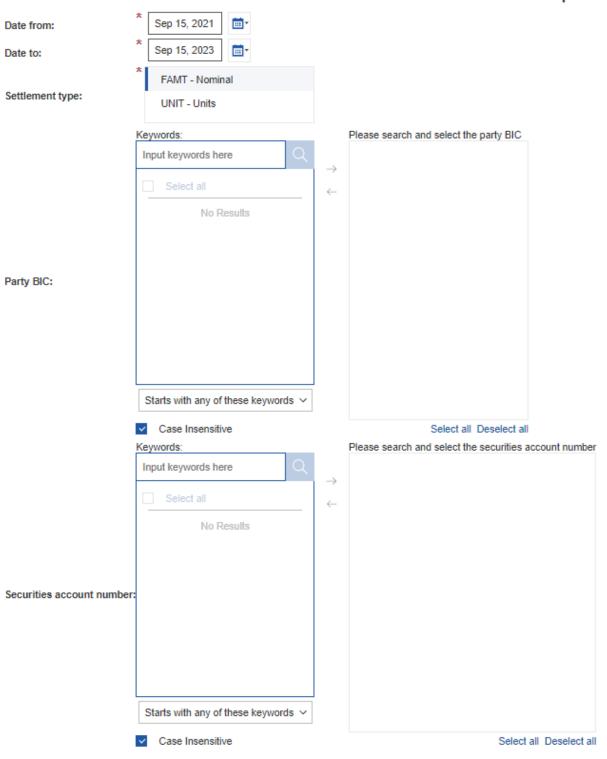
This report can be used by CSD users.

#### Report Access

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> SST - T2S Securities account >> SST02





### SST02 - Securities account - Detailed finalised matched instructions - Prompt







	Keywords:		Please search and select the securities ISIN
	Input keywords here		
	Select all	$\rightarrow$ $\leftarrow$	
	No Results		
ISIN:			
	Starts with any of these keywords $ \smallsetminus $		
	<ul> <li>Case Insensitive</li> </ul>		Select all Deselect all
	DELI - Delivery		
Securities movement type:	RECE - Receive		

### Figure 382 - SST02 Prompt

SST02 – Det	ailed finalised matched instructions – Prompt screen
Date From	You can select the date by clicking on the calendar.
	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.
	This field is mandatory.
Currency	Currency in which the SIs are settled.
	You can use this drop-down field to select the currency. 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.
	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. This field is optional.
ISIN	The report output contains only settlement instructions with the selected securities. This field is optional.
Securities movement type	<ul> <li>This selection specifies if the movement on a securities account results from a delivery or a receive instruction.</li> <li>Possible values: <ol> <li>DELI</li> <li>RECE</li> </ol> </li> <li>This field is optional.</li> </ul>

Securities account - D	Detailed finalised match	ned instructions - vol	Securities account - E	Detailed finalised mate	ched instruction	ons - quantity							
			SST02 – Se	curities ac	count -	- Detailed	finalised matche	d instructi	ons – v	olume		IAC - Internal User	2024-05 9:21 Acceptance
Date from Settlement type	: 2022-05-08 Date to: : FAMT - Nominal	2024-05-08											
	etailled finalised mat	ched instructions -	volume										
SIN: ATC8ATCOLL3													
SIN: ATCOATCOLLS	¢		DELI				RECE				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
FOP	STND	28	0	0	28	28	0	0	28	56	0	0	56
Т	otal	28	0	0	28	28	0	0	28	56	0	0	50
SIN: BEC8BE000048													
			DELI				RECE				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	STND	3	6	2	11	3	6	2	11	6	12	4	22
FOP	STND	19	0	0	19	19	0	0	19	38	0	0	38
Te	otal	22	6	2	30	22	6	2	30	44	12	4	60
SIN: CXSECU000108	1												
			DELI				RECE				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
FOP	STND	6	0	0	6	6	0	0	6	12	0	0	12
	otal		0	0		6	0		6	12		0	12

### Figure 383 - SST02 output screen, tab 1



Int - Detailed finalised matched instructions - volume Securities account - Detailed finalised matched instructions - quantity

SST02 – Securities account – Detailed finalised matched instructions – quantity

2024-05-08 9:21:25 IAC - Internal User Acceptance Test

rs Settlement type : FAMT - Nominal ccount - Detailed finalised matched instructions - quantity

		DELI					RECE						Total		
Transaction type code	Transaction sub- category	Instructed quantity	Quantity totally settled	Quantity partially settled	Quantity partially cancelled	Quantity totally cancelled	Quantity total	Instructed quantity	Quantity totally settled	Quantity partially settled	Quantity partially cancelled	Quantity totally cancelled	Quantity total	Instructed quantity	Quantity settled (totally + partially)
FOP	STND	28,000	28,000	0	0	0	28,000	28,000	28,000	0	0	0	28,000	56,000	56,000
1	Total	28,000	28,000	0	0	0	28,000	28,000	28,000	0	0	0	28,000	56,000	56,00
N: BEC8BE0000	048			DE	ELI					RE	CE				Total
Transaction type code	Transaction sub- category	Instructed quantity	Quantity totally settled	Quantity partially settled	Quantity partially cancelled	Quantity totally cancelled	Quantity total	Instructed quantity	Quantity totally settled	Quantity partially settled	Quantity partially cancelled	Quantity totally cancelled	Quantity total	Instructed quantity	Quantity settled (totally + partially)
DVP	STND	58,500	9,000	42,000	0	4,000	55,000	58,500	9,000	42,000	0	4,000	55,000	117,000	110,00
FOP	STND	73,000	73,000	0	0	0	73,000	73,000	73,000	0	0	0	73,000	146,000	146,00
1	Total	131,500	82,000	42,000	0	4,000	128,000	131,500	82,000	42,000	0	4,000	128,000	263,000	256,00
N: CXSECU0001	108														
DELI				RECE						Total					
Transaction type code	Transaction sub- category	Instructed quantity	Quantity totally settled	Quantity partially settled	Quantity partially cancelled	Quantity totally cancelled	Quantity total	Instructed quantity	Quantity totally settled	Quantity partially settled	Quantity partially cancelled	Quantity totally cancelled	Quantity total	Instructed quantity	Quantity settled (totally + partially)
FOP	STND	11,459	11,459	0	0	0	11,459	11,459	11,459	0	0	0	11,459	22,918	22,91
1	Total	11,459	11,459	0	0	0	11,459	11,459	11,459	0	0	0	11,459	22.918	22.91

#### Figure 384 - SST02 output screen, tab 2

SST02 – Detailed matched settlement instructions – OUTPUT SCREEN – Tab 1 Securities account – Detailed finalised instructions - volume			
Transaction type code	<ul> <li>Shows the settlement transaction type code set during the selected period duration of time from the possible values:</li> <li>DVP (delivery versus payment)</li> <li>DWP (delivery with payment)</li> <li>FOP (free of payment)</li> <li>PFOD (payment free of delivery)</li> </ul>		
Settlement transaction sub- category	<ul> <li>Shows the subcategory of the settlement transaction from the possible values:</li> <li>ALOP, BPDF, BPIN, BPSU, COBS, COBR, COCP, CORT, CORU, EPDE, EPIS, REAL, RERV, REPO, RPDE, RPIN, RPSU, STND</li> </ul>		
	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.		
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.			
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.			
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				
Total	Sum for each column, summed over all transaction type / sub-category combinations.			

SST02 – Detailed matched settlement instructions – OUTPUT SCREEN – Tab 2 Securities account – Detailed finalised instructions - quantity		
Transaction type code	<ul> <li>Shows the settlement transaction type code set during the selected period duration of time from the possible values:</li> <li>DVP (delivery versus payment)</li> <li>DWP (delivery with payment)</li> <li>FOP (free of payment)</li> </ul>	
Settlement transaction sub- category	<ul> <li>PFOD (payment free of delivery)</li> <li>Shows the subcategory of the settlement transaction from the possible values:</li> <li>ALOP, BPDF, BPIN, BPSU, COBS, COBR, COCP, CORT, CORU, EPDE, EPIS, REAL, RERV, REPO, RPDE, RPIN, RPSU, STND</li> </ul>	



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.		
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.		
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.		
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 +	The sum of 'Quantity totally settled' and 'Quantity partially settled' over 'DELI' and		
partially)	ally) 'RECE', per transaction type and sub-category.		
	Total		
Total	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..

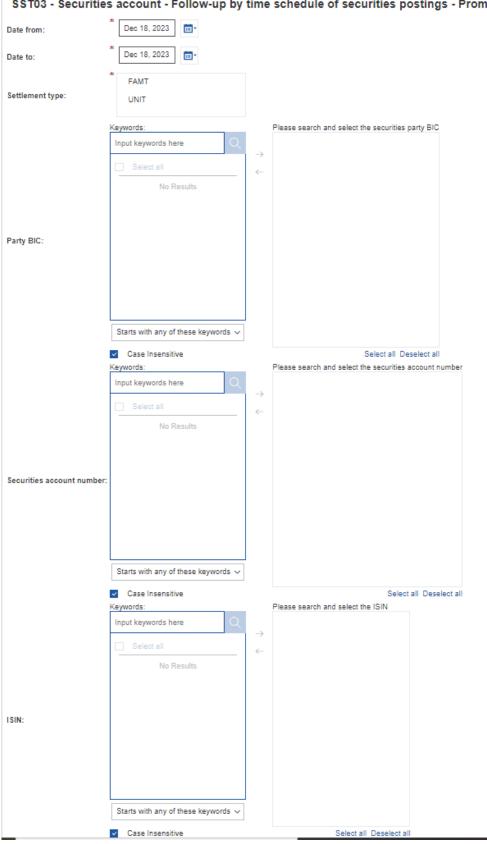
This report can be used by CSD users.

### Report Access

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> SST - T2S Securities account >> SST03





### SST03 - Securities account - Follow-up by time schedule of securities postings - Prompt

Figure 385 - SST03 Prompt screen



SST03 – Follow	-up by time slot of securities postings – Prompt Screen
Date From	You can select the date by clicking on the calendar. 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. This field is mandatory.
Currency	Currency in which the SIs are settled. You can use this drop-down field to select the currency. 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. 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. This field is optional.
ISIN	The report output contains only settlement instructions with the selected securities. This field is optional.

	5			
ilters Date from Settlement type	: 2021-11-27 Date to: : e : FAMT	2023-11-2	27	
ecurities account -	Follow-up by time slot of	of securi	ties postii	ngs
		[	Volume	Quantity
Earmarking S	ettlement instructions	Debit	285	-285
		Credit	289	-289
		Total	574	-574
s	ettlement restrictions	Debit	73	-73
		Credit	121	-121
		Total	194	-194
т	otal	Credit	410	-410
		Debit	358	-358
т	otal		768	-768
Blocking S	ettlement instructions	Debit	6	-6
		Total	6	-6
S	ettlement restrictions	Debit	109	-109
		Credit	343	-343
		Total	452	-452
т	otal	Credit	343	-343
	Debit	115	-115	
	otal		458	-458
oSD Blocking S	ettlement restrictions	Debit	56	-56
		Credit	59	-59
		Total	115	-115

Figure 386 - SST03 output screen



SST03	<ul> <li>Follow-up by time slot of cash postings – Output Screen</li> </ul>
Balance type	<ul> <li>Shows the balance type for which the securities postings are displayed from the possible values:</li> <li>Earmarking</li> <li>Blocking</li> <li>CoSD blocking</li> <li>Deliverable</li> <li>Earmarking for auto-collateralisation</li> <li>Reservation</li> </ul>
Origin	<ul> <li>Shows the posting origin for which the securities postings are displayed from the possible values:</li> <li>Settlement instructions</li> <li>Settlement restrictions</li> <li>Total for all types</li> </ul>
Debit	The aggregation within origin of the securities postings on the debited side
Credit	The aggregation within origin of the securities postings on the credited side
Total (per balance type / origin)	The sums of 'Volume' and 'Quantity' across 'Debit' and 'Credit' per column, within origin.
<ul> <li>Time slots:</li> <li>1 st NTS cycle</li> <li>Last NTS cycle</li> <li>RT1 before intraday DVP cut-off</li> <li>RT2 before EOD intraday credit reimbursement</li> <li>RT3 before EOD intraday FOP cut-off</li> <li>RT4 after intraday FOP cut-off</li> </ul>	The aggregation within debit/credit/total of all securities postings found for each designated time-slot.
Volume	The aggregated number of securities postings are displayed for each balance type, origin and debit/credit/total within each of the above time slots.



Quantity	The aggregated quantity of securities postings are displayed for each balance type, origin and debit/credit/total within each of the above time slots.
<ul> <li>Total (per balance type):</li> <li>Total earmarking</li> <li>Total blocking</li> <li>Total COSD blocking</li> <li>Total deliverable</li> <li>Total earmarking for autocollateralisation</li> <li>Total reservation</li> </ul>	The sums of 'Volume' and 'Quantity' across 'Debit' and 'Credit' per column, over all origins within balance type.
Total (final)	The sums of 'Volume' and 'Quantity' across 'Debit' and 'Credit' per column, over all balance types.

# 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 displayed in a manner which allows easy comparison between these 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**

#### INX01 – Individual settlement detailed report – Prompt

T2S actor instruction reference:	*		
(1 mandatory, 2 and 3 optional)	2		

#### Figure 387 - INX01 prompt screen



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. 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. This first text box field is mandatory.		

# <u>Screenshot</u>



h

Filters T2S actor instruction reference : 2307031731560005

Reference information	
25 actor instruction reference	2307031731560005
Account servicer reference	2307031731560005
Account owner reference	
Third party reference	
Common reference	
Repo reference	
Status information	
nstruction overall final status	Totally cancelled
Match status	NMAT
Settlement status	USET
Cancellation status	CANC
CoSD hold status	Released
CSD hold status	Released
Party hold status	Released
CSD validation hold status	Released
Timeline information	
Entry date time	2023-07-03 17:33:42.000
ntended settlement date	2023-07-04
Actual settlement date	
Cancellation date	2023-07-11
Categorisation information	
Securities movement type code	DELI
Payment type code	FREE
fransaction type code	
Settlement transaction category	
Settlement transaction sub-category	
SO transaction code	TRAD
Collateral instruction type	
Collateral type	2 ·
Securities information	
SIN	ATC8AT000018
Account owner BIC	CSDYATFF801
Securities account number	ISSAC8AT001
25 delivering party securities account number	ISSAC8AT001
25 receiving party securities account number	CSDPC8AT02001
Securities sub balance type	
Settlement type code	UNIT
nstructed settlement quantity	123
Settled settlement quantity	0
fotally settled settlement quantity	0
Partially settled settlement quantity	0
Partially cancelled settlement quantity	0
Totally cancelled settlement quantity	0

INX01 - Individual settlement detailed report



Securities party information	
Delivering depository BIC	CSDYATFF801
T2S delivering party BIC	CSDYATFF801
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	CSDPATFF802
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
Process information	
Cancellation requested	F
Externally matched	F
CoSD flag	False
Partial settlement indicator	
Priority	
Allowed modification flag	т
Corporate action event identification	(1)/=)
Opt-out settlement transaction condition indicator	F
External CSD flag	F
Original/counterpart instruction	NAPP
Link instruction counter	0



Trade information	
Trade date	2023-07-04
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	
LCMM user login name	C8AT09129C SD
LCMM inbound LCMM message Id	2307030528304088
LCMM inbound LCMM message ref	1018465850
LCMM validation starting timestamp	2023-07-03 17:33:44.901
LCMM validation ending timestamp	2023-07-03 17:33:46.711
LCMM entry business date	2023-07-03
POOL instruction counter	
POOL settlement date	
POOL identification	0

# Figure 388 - INX01 output screen



INX01 – Individual settlement detailed report – Output Screen		
(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 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.	
	Possible values:	
	"Totally settled"	
	I "Partially settled"	
	"Totally cancelled"	
Match status	Shows if the settlement instruction is matched with a counterpart settlement instruction.	
	Possible values:	
	NMAT (unmatched)	
	I MACH (matched)	
Settlement status	Shows the settlement status	
	Possible values:	
	USET (unsettled)	
	PSET (partially settled)	
	SETT (fully settled)	
Cancellation status	Shows the cancellation status	
	Possible values:	
	NCAN (not cancelled)	



	CANC (cancelled)	
CoSD hold status	Shows the CoSD hold status if the settlement instruction fulfils at least one CoSD rule. Possible values: Released On hold	
CSD hold status	Shows the CSD hold status Possible values:  Released On hold	
Party hold status	Shows the party hold status Possible values: Released On hold	
CSD validation hold status	Shows the CSD validation hold status Possible values: Released 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,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		
Securities movement type code	Shows the direction of movement required by the settlement instruction. Possible values: DELI (deliver) RECE (receive)	
Payment type code	Shows if cash settlement is also involved. Possible values: I APMT (against payment)	



	FREE (free of payment)
Transaction type code	Shows the transaction type code.
	Possible values:
	DVP (delivery versus payment)
	DWP (delivery with payment)
	FOP (free of payment)
	PFOD (payment freed of delivery)
Settlement transaction category	Shows the transaction category.
	Possible values:
	COLA (collateral)
	CORE (collateral relocation)
	LQTR (liquidity transfer)
	REAL (realignment)
	RSMG (restriction management)
	RESU (restriction use)
	RCOL (reverse collateral)
	STND (standard)
	TCAT (technical cash transfer)
	COTF (conditional technical FOP)
Settlement transaction sub-	Shows the transaction sub-category.
category	Possible values:
	CATR (cash transfer)
	COBS (CoSD blocking position – setup)
	PLED (pledge)
	REAL (realignment)
	REPO (repo)
	STND (standard)
	SPLE (sub-pledge)
ISO transaction code	Shows the ISO transaction code.
	Possible values:
	AUTO (auto-collateralisation)
	BSBK (buy sell back)



- I CLAI (market claim)
- I CNCB (cenrl bank collateral operation)
- COLI (collateral in)
- I COLO (collateral out)
- I CONV (depository receipt conversion)
- I CORP (corporate action)
- FCTA (factor update)
- I INSP (movement of stock)
- I ISSU (depository receipt issue)
- I MKDW (markdown)
- I MKUP (markup)
- I NETT (netting)
- I NSYN (non-syndicated)
- I OWNE (external account transfer)
- OWNI (internal account transfer)
- I PAIR (pair-off)
- I PLAC (placement)
- PORT (portfolio move)
- I REAL (realignment)
- I REDI (withdrawal)
- I REDM (redemption)
- RELE (depository receipt release cancellation)
- REPU (repo)
- RODE (return delivery without matching)
- I RPTO (reporting)
- I RVPO (reverse repo)
- SBBK (sell buyback)
- SBRE (borrowing reallocation)
- I SECB (securities borrowing)
- I SECL (securities lending)
- I SLRE (lending reallocation)
- SUBS (subscription)
- SYND (syndicate underwriters)



	I TBAC (TBA closing)				
	TRAD (trade)				
	TRPO (tri-party repo)				
	TRVO (tri-party reverse repo)				
	I TURN (turnaround)				
Collateral instruction type	Shows the collateral instruction type, if applicable.				
	Possible values:				
	CRDT (credit instruction)				
	RMBT (reimbursement collateral instruction)				
Collateral type	Shows the collateral type, if applicable.				
	Possible values:				
	CLNT (client collateralisation)				
	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.				
	Possible values:				
	FAMT (face amount)				
	I 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.				

T2S Predefined reports T2S Instructions (INX)



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 – $FOP$ )					

(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.



	Possible values: <ul> <li>I CRDT (credit)</li> <li>I DBIT (debit)</li> </ul>				
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	<ul> <li>Shows if a cancellation has been requested on the settlement instruction.</li> <li>Possible values:</li> <li>I False</li> <li>I True</li> </ul>				
Externally matched	Shows if the settlement instruction was matched outside T2S. Possible values: I False I True				





CoSD flag	Shows the CoSD flag if the settlement instruction belongs to a CoSD group. Possible values: I False I True				
Partial settlement indicator	<ul> <li>Shows the partial settlement indicator.</li> <li>Possible values: <ol> <li>NPAR (partial not allowed)</li> <li>PART (partial settlement cash threshold allowed)</li> <li>PARC (partial settlement quantity threshold allowed)</li> <li>PARQ (partial allowed)</li> </ol> </li> </ul>				
Priority	Shows the priority. Possible values:  0001 (reserved)  0002 (top)  0003 (high)  0004 (normal)				
Allowed modification flag	Shows the allowed modification flag Possible values: I False I True				
Corporate action event identification	Shows the corporate action event identification if the SI relates to a corporate action.				
Opt-out settlement transaction condition indicator	Shows the opt-out settlement transaction condition indicator. Possible values: I False I True				
External CSD flag	Shows whether the relevant depository is an external CSD. Possible values: False 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 Possible values: CUM (cum coupon) EX (ex coupon)				
Deal price value type	<ul> <li>Shows the type of value in which the price of the traded financial instrument is expressed.</li> <li>Possible values: <ul> <li>DISC (discount)</li> <li>PREM (premium)</li> <li>PARV (par or face amount)</li> </ul> </li> </ul>				
Deal price yielded	Shows whether the price is expressed as a yield. Possible values: I False I 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 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.				
Market client side code	Shows the market side code. Possible values: CLNT (client side transaction) MAKT (market side transaction)				
	LCMM information				
LCMM approval status	Shows the LCMM approval status.				
	Possible values:				
	APPR (approved (default value))				
	AWAP (awaiting approval)				
	REJT (rejected)				
	RVKD (revoked)				
LCMM sending party short	Shows the sending party short name				
LCMM instructing party short name	Shows the instructing party short name				
LCMM execution/final	Shows the business date when the SI is totally settled.				
settlement date	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	Shows the LCMM validation starting timestamp.
timestamp	Display format is: YYYY-MM-DD hh:mm:ss,sssss
LCMM validation ending timestamp	Shows the LCMM validation ending timestamp.
	Displayed format is:
	YYYY-MM-DD hh:mm:ss,sssss
LCMM entry business date	Shows the LCMM entry business date.
	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.
POOL settlement date	Shows the pool settlement date. 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



# INX02 – Prompt (Pre-selection)

Choose data object:

Party BIC	~

Additional filter criteria:

Quantities Amounts

Cancel	< Back	Next >

# Figure 389 - INX02 pre-selection screen

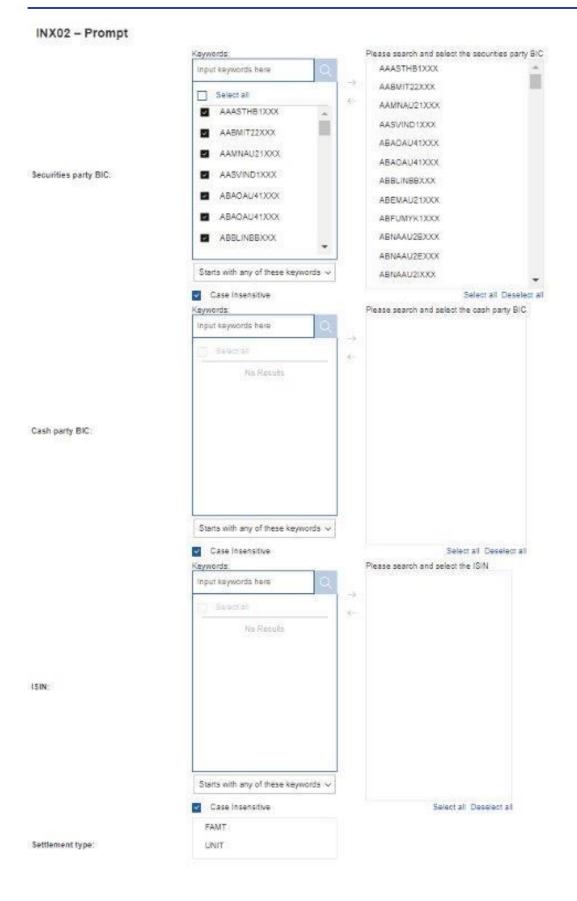


INX02 – Multi-criteria search of a set of settlement instructions – Pre-selection screen				
Choose data object				
	(one of both objects has to be chosen)			
Party BIC	Provides fields for searching securities party BICs or cash party BICs in the next screen			
Account number	Provides fields for searching for securities account numbers or cash account numbers in the next screen			



Additional search criteria				
	(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			







	DKK
Settlement currency code:	EUR
	DELI
Securities movement type code:	RECE
	DVP
	DWP
Transaction type code:	FOP
mansacuum type odde.	PFOD
	COLA
	CORE
Settlement transaction category:	LQTR
	REAL
	CATR
	COBS
Settlement transaction sub-category:	PLED
	REAL 👻
	APPR
	AWAP
LCMM approval status:	REJT
Comm approvar status.	RVKD
	RVKD
	USET
	PSET
Settlement status:	SETT
	NCAN
Cancellation status	CANC
Range criteria	From
Entry date:	Apr 22, 2023
Intended settlement date:	Apr 22, 2023
Instructed quantity:	
Settled quantity:	
Cancelled quantity:	



# Figure 390 - INX02 prompt screen



INX02 – Multi-	criteria search of a set of settlement 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.
Cash party BIC	Filter to select which cash party BIC (NCB or payment bank) value/s should be included in the output.
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:
	I NOMI
	I UNIT
Settlement currency code	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:
	I DELI
	I RECE
Transaction type code	Filter to select which transaction type code value/s should be included in the output. Possible values:
	I DVP
	I DWP
	I FOP
	I PFOD
Settlement transaction category	Filter to select which settlement transaction category value/s should be included in the output.
	Possible values:
	I COLA
	I CORE
	I LQTR



	<ul> <li>REAL</li> <li>RSMG</li> <li>RESU</li> <li>RCOL</li> <li>STND</li> <li>TCAT</li> <li>COTF</li> </ul>
Settlement transaction sub- category	Filter to select which settlement transaction sub-category value/s should be included in the output. Possible values: CATR COBS PLED REAL REPO STND SPLE
LCMM approval status	<ul> <li>Filter to select which LCMM approval status value/s should be included in the output.</li> <li>Possible values: <ul> <li>APPR</li> <li>AWAP</li> <li>REJT</li> <li>RVKD</li> </ul> </li> </ul>
Settlement status	<ul> <li>Filter to select which settlement status value/s should be included in the output.</li> <li>Possible values:</li> <li>USET</li> <li>PSET</li> <li>SETT</li> </ul>
Cancellation status	<ul> <li>Filter to select which cancellation status value/s should be included in the output.</li> <li>Possible values: <ol> <li>NCAN</li> <li>CANC</li> </ol> </li> </ul>





I 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.         Must be used in conjunction with:         I 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.         Must be used in conjunction with:         I intended settlement date from         Filter to select the inclusive date up to which intended settlement date value/s should be included in the output.         Must be used in conjunction with:         I intended settlement date to         Intended settlement date to         Intended settlement date to         Must be used in conjunction with:         I 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.         Must be used in conjunction with:       I instructed quantity to         Instructed quantity from       Filter to select the inclusive quantity from which instructed quantity value/s should be included in the output.         Must be used in conjunction with:       I instructed quantity to         Instructed quantity to <t< th=""><th>Entry date from</th><th>Filter to select the inclusive date from which entry date value/s should be included in the output. Must be used in conjunction with:</th></t<>	Entry date from	Filter to select the inclusive date from which entry date value/s should be included in the output. Must be used in conjunction with:						
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	Must be used in conjunction with:						
	I instructed amount to						
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	Must be used in conjunction with:						
	instructed amount from						
Settled amount from	Filter to select the inclusive amount from which settled amount value/s should be						
	included in the output.						
	included in the output. Must be used in conjunction with:						



	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. Must be used in conjunction with:
Cancelled amount from	Filter to select the inclusive amount from which cancelled amount value/s should be included in the output. Must be used in conjunction with:
Cancelled amount to	Filter to select the inclusive amount up to which cancelled amount value/s should be included in the output. Must be used in conjunction with:

# <u>Screenshot</u>

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full-sales	setterent	instruction	n seatsh - In																								
Number of	settlement.	estruction	1 273,044																								
instruction.	Decurriles movement type seds	5/04	Warnowd Sattlewont date	Actual sentement dats and twie	Cancellation 0910	Maiph \$19105	Outlement SUB15	Cancellation (01)/5	ian.	datteriers 501	Restricted Settlement Bullinity	Secled sectement quantity	Currancy 0070	Creditideb	setienen amourt	Marched settement pricont	Setted Settement arrount	Transactio 1/60 0008	Batlamarc nakazitios dategory	Setterent Harsaction Hab Killegory	150 Tansaithin tode	CSD B/C	010 periopert 8/0	Securities account namber	NOB BIO	Payment bank BIC	T25.0CAnorea
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Sal Longe	3000	FREE	2523-45-		2000-00-09	NACH	Uper	CANO	HUUEURU00004	UNIT	11				0.00	0.00	2.00	FOP	REAL	REAL	REAL	CSOURCE/LINKX	COMMUNICACIÓN	CSDLHUHLKKKCSDCP002			
111 Execution	DELI	FREE	2003.46.		2023-00-05	WACH	USET	Case	HOUEURU00522	UNIT					0.30	0.10	9.00	e0.9	REAL	REAL	REAL	CSOVHJHMOCX	CSDVHURVXXX	C50%HUHUNCHC50WP001			
ind .	RECE	FREE	2023-68-		2023-05-08	WHOM	USET	CANG	HSVEURUTI821	UNT	18	4			0.90	0.00	0.22	TOP	REAL	REAL	REAL	GSOUHUHURUK	CSDVHUM200.	0300-04040403009301			
the states	(JEL)	FREE	2033-66-		2023-06-09	-	UBET	DANG	HUUEURUTTET	UNIT	18			-	0.90	0.00	0.00	FOR	REAL	REAL	HEAL.	01014-014/003	CODVHUNIX	CEEN-U-MOOKCEENPOIT			
ind provided)	RECE	FREE	2523-05-		2003-08-05	WACH	USET	CANC	HUVEORU00545	UNIT	4	- 3			0.30	0.00	0.00	FOP	REAL	REAL	REAL	CSOUHURLIKKX	CRIMHUMAXXX	CSDLHUHLKKK/CSOCP0/2			
Dist.	DEL	1902	2023-05-		2023-00-08	WADH	USET	CAND	HUUEUM000543	<b>UNIT</b>	- 1				0.30	0 10	0.00	70P	70AL	REAL	REAL .		CSD/HUM/ROOK	CSENHUHVORICSDWP011			
ind Classes	R055	1966	2023-08		2023-06-01	WACH	USET	CANG	100001707016	79.97	510				0.90	10.00	9,00	FOP	REAL	REAL	REAL	CCOVHUHBION	CS2EHUHUXXXX	CEDEH-UHAXXXCSD05601			
int and and a second	RECE	1155	2003-65-		2023-05-05	WACH	USHT	CANG	HOHUG1782818	FAMT	18	4		-	0.00	0.00	9.29	# OP	REAL	REAL	R(A),	GS04HLHBXXX	CSOEHUHAXXX	CSDEHUHAXXXCSDDSAC1			
ind activities	ROOS	FREE	2023-65-		2023-00-08	UNCH	USET	ONIG	HUHUG1787008	INT	78	4			0.30	6 00	0.00	TOP	REA;	REAL	9544	CSOM-UHBIOS	саранинских	CSDEHUHEKKHCSDOSAD1			
inst eteridado	DEU		2023.05		2023-00-05	MACH.	USET	CAND	HUHUC1787019	UNIT	12				0.90	0.00	0.00	FOP	REAL	REAL	REAL	CEOBHUHOXXX	CEDERUHCIOX	CSDEHUHEXXXCSDVSAD1			
Del Covero	RECE	FREE .	2023-05-		2023-00-08	MACH.	USET	CANG	HURUC1787905	UNIT	10	10			0,90	10.00	0.22	+úP	REAL	REAL	SER.	GSGAHUHBIOGA	CSÓBHUHCXXX	CEDEHOHERORCEDDBAC1			
ind Kovieti	000	TREE	2002-08		2023-06-08	WADI	UBEY	CANO	HUHUG1283098	UNIT	315	- 4			0.90	50.00	0.00	TOP	REAL	REAL	REAL -	GEOBHUNCKER	CEDEHUNCKXX	GEDEHUHBAXACEDWDAG1			
Contractor accontractor	RECE	FREE	2023.45		2013-00-05	VMCH	USET	CANC	HUUELRU01902	UNIT		4			0.00	0.00	8.05	FOP	RĘA,	REAL	REAL,	050UHUHUKIKI	0804404/0000	CSDLHUHJKINGSDOPN2			
(SA EDEGED)	DELI	FREE	2023-00-		2023-00-08	NACH	USET	CANC	HUUEUMUDDOZ	UNIT	1				0.00	0.00	0.00	*0*	4241	MEAL	REAL	G SOVHUM/IOU	C50VHUM2000				
inst staviseD	R205	12272	2023-68-		2023-06-06	WHICH	USET	CANG	HUUEURU00204	UNIT		0			0.90	0.00	3.00	FOP	954.	REAL	REAL	C SOUNALMUKKX	CSDVHUM/XXX	CSDLHUHUNUNCSDOP002			
(cd prisided)	DED	FREE	2003-05-		2005-08-05	WACH	USET	CANC	HUUEURU00214	UNIT	1				0.90	0.00	0.08	FOP	REAL	REAL	.8846	050396294000	CSOVHUM/XXX	CSENHUR/XXXCSDVP001			

# Figure 391 - INX02 list screen



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								
	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.								
	Possible values:								
	I DELI (deliver)								
	I RECE (receive)								
Payment type code	Shows if cash settlement is also involved.								
	Possible values:								
	APMT (against payment)								
	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.								
	Possible values:								
	I NMAT (unmatched)								
	MACH (matched)								
Settlement status	Shows the settlement status								
	Possible values:								
	USET (unsettled)								
	I PSET (partially settled)								
	I SETT (fully settled)								
Cancellation status	Shows the cancellation status								



ISIN code Settlement type	Possible values: NCAN (not cancelled) CANC (cancelled) Shows the ISIN. Shows the settlement type. Possible values: NOMI (nominal) UNIT (units)					
Original settlement quantity	Shows the original settlement quantity.					
Settled settlement quantity	Shows the settled settlement quantity.					
Currency code	Shows the currency code.					
Credit/debit code	<ul> <li>Shows if the settlement instruction involves a debit or credit of cash.</li> <li>Possible values: <ul> <li>CRDT (credit)</li> <li>DBIT (debit)</li> </ul> </li> </ul>					
Instructed settlement amount	Shows the instructed settlement amount. Shows the matched amount as per the matching process Shows the settled settlement amount.					
Matched settlement amount						
Settled settlement amount						
Transaction type code	<ul> <li>Shows the transaction type code.</li> <li>Possible values: <ol> <li>DVP (delivery versus payment)</li> <li>DWP (delivery with payment)</li> <li>FOP (free of payment)</li> <li>PFOD (payment freed of delivery)</li> </ol> </li> </ul>					
Settlement transaction category	<ul> <li>Shows the transaction category.</li> <li>Possible values: <ol> <li>COLA (collateral)</li> <li>CORE (collateral relocation)</li> <li>LQTR (liquidity transfer)</li> <li>REAL (realignment)</li> </ol> </li> </ul>					



	RSMG (restriction management)
	RESU (restriction use)
	RCOL (reverse collateral)
	STND (standard)
	TCAT (technical cash transfer)
	COTF (conditional technical FOP)
Settlement transaction sub-category	Shows the transaction sub-category.
	Possible values:
	CATR (cash transfer)
	COBS (CoSD blocking position – setup)
	PLED (pledge)
	REAL (realignment)
	REPO (repo)
	STND (standard)
	SPLE (sub-pledge)
ISO transaction code	Shows the ISO transaction code.
	Possible values:
	Possible values:
	Possible values: I AUTO (auto-collateralisation)
	Possible values: AUTO (auto-collateralisation) BSBK (buy sell back)
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> <li>COLI (collateral in)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> <li>COLI (collateral in)</li> <li>COLO (collateral out)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> <li>COLI (collateral in)</li> <li>COLO (collateral out)</li> <li>CONV (depository receipt conversion)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> <li>COLI (collateral in)</li> <li>COLO (collateral out)</li> <li>CONV (depository receipt conversion)</li> <li>CORP (corporate action)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> <li>COLI (collateral in)</li> <li>COLO (collateral out)</li> <li>CONV (depository receipt conversion)</li> <li>CORP (corporate action)</li> <li>FCTA (factor update)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> <li>COLI (collateral in)</li> <li>COLO (collateral out)</li> <li>CONV (depository receipt conversion)</li> <li>CORP (corporate action)</li> <li>FCTA (factor update)</li> <li>INSP (movement of stock)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> <li>COLI (collateral in)</li> <li>COLO (collateral out)</li> <li>CONV (depository receipt conversion)</li> <li>CORP (corporate action)</li> <li>FCTA (factor update)</li> <li>INSP (movement of stock)</li> <li>ISSU (depository receipt issue)</li> </ul>
	<ul> <li>Possible values:</li> <li>AUTO (auto-collateralisation)</li> <li>BSBK (buy sell back)</li> <li>CLAI (market claim)</li> <li>CNCB (cenrl bank collateral operation)</li> <li>COLI (collateral in)</li> <li>COLO (collateral out)</li> <li>CONV (depository receipt conversion)</li> <li>CORP (corporate action)</li> <li>FCTA (factor update)</li> <li>INSP (movement of stock)</li> <li>ISSU (depository receipt issue)</li> <li>MKDW (markdown)</li> </ul>



	OWNE (external account transfer)
	OWNI (internal account transfer)
	PAIR (pair-off)
	PLAC (placement)
	PORT (portfolio move)
	REAL (realignment)
	REDI (withdrawal)
	REDM (redemption)
	RELE (depository receipt release cancellation)
	REPU (repo)
	RODE (return delivery without matching)
	RPTO (reporting)
	RVPO (reverse repo)
	SBBK (sell buyback)
	SBRE (borrowing reallocation)
	SECB (securities borrowing)
	SECL (securities lending)
	SLRE (lending reallocation)
	I SUBS (subscription)
	SYND (syndicate underwriters)
	I TBAC (TBA closing)
	I TRAD (trade)
	TRPO (tri-party repo)
	TRVO (tri-party reverse repo)
	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)

		INX02 – Multi-criteria search of a set of settlement in Detail report
ulti-criteria search of a set of settlement i	structions - details	
Reference information		
T25 actor instruction reference		
Status information		
Match status	MACH	
Settlement status	USET	
Cancellation status	CANC	
CoSD hold status	Released	
C SD hold status	Released	
C SD validation hold status	Released	
Party hold status	Released	
	Neleased	
Timeline information	2022 05 05 05 10 10 000	
Entry date time	2023-05-22 08:18:12.000	
Intended settlement date	2023-05-22	
Actual settlement date		
Cancellation date	2023-08-01	
Categorisation information		
Seourities movement type code	RECE	
Payment type code	FREE	
Transaction type code	FOP	
Settlement transaction category	REAL	
Settlement transaction sub-category	REAL	
ISO transaction code	REAL	
Securities information		
ISIN	ESUEURPX0058	
Securities account number	CSDYESPX3XXCSDOP001	
Settlement type	UNIT	
Instructed settlement quantity	54.000.000	
Settled settlement quantity	0	
Cancelled settlement quantity	54,000,000	
Securities party information	54,000,000	
C SD BIC	CSDYESPX3XX	
C SD participant BIC	CSDYESPX2XX	
External CSD BIC		
Cash information		
Currency code		
Credit/debit code		
T2S DCA number		
Instructed settlement amount	0.00	
Transaction instructed amount	0.00	
Matched settlement amount	10.00	
Settled settlement amount	0.00	
Cancelled settlement amount	10.00	
Cash party information		
NCB BIC		
Payment bank BIC		
Process information		
Priority	0004	
Externally matched	T	
Trade information		
Trade date	2023-05-22	
LCCM information		

Figure 392 - 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.	
	Possible values:	
	NMAT (unmatched)	
	I MACH (matched)	
Settlement status	Shows the settlement status	
	Possible values:	
	USET (unsettled)	
	I PSET (partially settled)	
	I SETT (fully settled)	
Cancellation status	Shows the cancellation status	
	Possible values:	
	NCAN (not cancelled)	
	CANC (cancelled)	
CoSD hold status	Shows the CoSD hold status if the settlement instruction fulfils at least one CoSD rule.	
	Possible values:	
	I Released	
	I On hold	
CSD hold status	Shows the CSD hold status	
	Possible values:	
	I Released	
	I On hold	
CSD validation hold status	Shows the CSD validation hold status	
	Possible values:	
	I Released	
	I On hold	
Party hold status	Shows the party hold status	
	Possible values:	
	I Released	
	I On hold	
Timeline information		
	I imeline information	



	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.			
	Possible values:			
	I DELI (deliver)			
	RECE (receive)			
Payment type code	Shows if cash settlement is also involved.			
	Possible values:			
	APMT (against payment)			
	FREE (free of payment)			
Transaction type code	Shows the transaction type code.			
	Possible values:			
	DVP (delivery versus payment)			
	DWP (delivery with payment)			
	FOP (free of payment)			
	PFOD (payment freed of delivery)			
Settlement transaction category	Shows the transaction category.			
	Possible values:			
	COLA (collateral)			
	CORE (collateral relocation)			
	LQTR (liquidity transfer)			
	REAL (realignment)			
	RSMG (restriction management)			
	RESU (restriction use)			
	RCOL (reverse collateral)			
	STND (standard)			
	TCAT (technical cash transfer)			
	COTF (conditional technical FOP)			



Settlement transaction sub-	Shows the transaction sub-category.
category	Possible values:
	CATR (cash transfer)
	COBS (CoSD blocking position – setup)
	I PLED (pledge)
	REAL (realignment)
	I REPO (repo)
	STND (standard)
	I SPLE (sub-pledge)
ISO transaction code	Shows the ISO transaction code.
	Possible values:
	I AUTO (auto-collateralisation)
	BSBK (buy sell back)
	I CLAI (market claim)
	CNCB (cenrl bank collateral operation)
	COLI (collateral in)
	COLO (collateral out)
	CONV (depository receipt conversion)
	CORP (corporate action)
	FCTA (factor update)
	INSP (movement of stock)
	I ISSU (depository receipt issue)
	MKDW (markdown)
	I MKUP (markup)
	NETT (netting)
	NSYN (non-syndicated)
	OWNE (external account transfer)
	OWNI (internal account transfer)
	I PAIR (pair-off)
	I PLAC (placement)
	I PORT (portfolio move)
	REAL (realignment)
	REDI (withdrawal)



	REDM (redemption)	
	RELE (depository receipt release cancellation)	
	I REPU (repo)	
	RODE (return delivery without matching)	
	RPTO (reporting)	
	RVPO (reverse repo)	
	SBBK (sell buyback)	
	SBRE (borrowing reallocation)	
	SECB (securities borrowing)	
	SECL (securities lending)	
	SLRE (lending reallocation)	
	SUBS (subscription)	
	SYND (syndicate underwriters)	
	TBAC (TBA closing)	
	TRAD (trade)	
	TRPO (tri-party repo)	
	TRVO (tri-party reverse repo)	
	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.	
	Possible values:	
	NOMI (nominal)	
	UNIT (units)	
Original 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)	
	Cash information	
(Please note, that thi	s 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.	
	Possible values:	
	CRDT (credit)	
	DBIT (debit)	
T2S dedicated cash account number	Shows the impacted T2S dedicated cash account number.	
Instructed settlement amount	Shows the instructed settlement amount.	
Matched 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.	
	Process information	
Priority	Shows the priority.	
	Possible values:	
	0001 (reserved)	
	l 0002 (top)	
	l 0003 (high)	
	0004 (normal)	
Externally matched	Shows if the settlement instruction was matched outside T2S.	
	Possible values:	
	I False	
	I True	
Trade information		





Trade date	Shows the trade date of the settlement instruction. Display format is: YYYY-MM-DD
LCMM approval status	Shows the LCMM approval status.
	Possible values:
	APPR (approved (default value))
	AWAP (awaiting approval)
	I REJT (rejected)
	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:

I Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX03

## **Screenshot**

# INX03 - Individual restriction detailed report - Prompt



### Figure 393 - 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. 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. This first text box field is mandatory.		

# Screenshot



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	

# INX03 - Individual restrictions detailed report



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	900000001928982
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 394 - INX03 output screen

INX03 – Individual restriction detailed report – Output Screen			
(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. Possible values:      "Totally settled"      "Partially settled"      "Totally cancelled"		
Settlement status	Shows the settlement status Possible values: USET (unsettled) PSET (partially settled) SETT (fully settled)		
Cancellation status	Shows the cancellation status Possible values: I NCAN (not cancelled) CANC (cancelled)		
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. 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. Possible values: I CASH (restriction of cash)		



	SCTY (restriction of securities)		
Collateral instruction type	Shows the collateral instruction type.		
	Possible values:		
	CRDT (credit instruction)		
	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. Possible values: Rejection		
	CSD Validation Hold		
	Reservation		
	I Blocking		
	Balance Type/Earmarking		
	Earmarking for Auto-collateralisation		
	I Deliverable		
	Collateralised		
	CoSD Blocking		
Restriction processing type to	Shows the restriction processing type to which the cash/securities are credited/received.		
	Possible values:		
	I Rejection		
	I CSD Validation Hold		
	I Reservation		
	I Blocking		
	Balance Type/Earmarking		
	Earmarking for Auto-collateralisation		
	I Deliverable		
	Collateralised		
	CoSD blocking		
Securities information			
(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.		
	Possible values:		
	FAMT (face amount)		
	I 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		
(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.		

# Partially settled settlement amountShows the settled amount if the SR is only partially settled.Partially cancelled settlement amountShows 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. Possible values: I False I True

Shows the settled amount if the SR is fully settled.

Totally settled settlement amount



Corporate action event identification Collateral flag	<ul> <li>0001 (reserved)</li> <li>0002 (top)</li> <li>0003 (high)</li> <li>0004 (normal)</li> </ul> Shows the corporate action event identification if the SR relates to a corporate action. Shows whether the restriction relates to collateral. Possible values: <ul> <li>False</li> <li>True</li> </ul>
Linked instructions counter	Shows the number of instructions linked to this settlement restriction.
	LCMM information
LCMM approval status	<ul> <li>Shows the LCMM approval status.</li> <li>Possible values: <ul> <li>APPR (approved (default value))</li> <li>AWAP (awaiting approval)</li> <li>REJT (rejected)</li> <li>RVKD (revoked)</li> </ul> </li> </ul>
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 SR is totally settled. 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. Display format is: YYYY-MM-DD hh:mm:ss,sssss
LCMM validation ending timestamp	Shows the LCMM validation ending timestamp. Displayed format is: YYYY-MM-DD hh:mm:ss,sssss
LCMM entry business date	Shows the LCMM entry business date.



	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. 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**

=	Duta Warehouse	4 Y	9. 14105-1919-1	: Q A
n	$\mathbf{B} = -\mathbf{e} \cdot \mathbf{e} \cdot \mathbf{b} = -\mathbf{C}$			Ø #iders
	INX04 - Preselection of multi-criteria search of a set of settlement restrictions			
	Choose data object	*  Party BIC ~		
	Additional filter orders	Guanthes Anounts		
	Cancel	Neti>		

Figure 395 - INX04 pre-selection screen 1 (CSD User login)



Data Warehouse 📄 110	w v		
8 · · · · · · ·			🖓 Filters
INX04 - Preselection o	multi-criteria search of a set of settlement restriction	5	
Choose taka object.	× (Party BIC ✓		
	Quanties		
Additional fitter priteria	Amounta		
Cancel Earth	Next>		

# Figure 396 - INX04 - pre selection screen 1 (CB User login)

INX04 – Multi-criteria search of a set of settlement restrictions – Pre-selection screen						
Choose data object						
	(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
	(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

E Data Westhouse	Decisi v		
			çi na
INX04 - Multi-criter	ia search of a set of settlement restrictions - Prompt		
	Second Please search and when the securities party BC		
	Apple keywoods here		
	tests .		
	the Danada		
	1.1000		
Securities party DICI			
	Starts with any of these keywords =		
	Case Indensitive Select all Develoci all		
	PdeT - Pattaty setted		
ST. 31.7	56/17 - Settind		
Settlement status:	USET - Uneffeit		
	Galido - Cancelled		
Cancellation status:	HtCMM - Not sancelled		
Range oriteria	From To		
Entry state:	Nov 21, 2023	m·	
Intercled anthemark data	Nov 21, 2023		
HOUSE BELIEVE AND	THE COULD IN THE COULD		
Original quantity:			
Setted quantity:			
Cancelled quartity:			
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Figure 397 - INX04 prompt screen 2 (CSD User login)



	Yagashoti Rusul kamalinta hara Seeun at NCSI-sk1779201 PAISKA779201	Please search and selective on INC6KATPF801 PMENATPF801 PMENATPF802 PMENAT9803 PMENAT9803	uv sany RC		
Lasti party BIC	Professional Presson     Professional Presson     Professional Presson     Professional Presson     Presson     Source warm any of Press Reported + 11	Perenkari 2005 Perenkari Vervedi			
lefflument status	Case Meanshie MSET - Pertially setted SETT - Second USEY - Unsetted	Searce	(Dester at		
ancellation status	CANC - Canonied NCAN - Not canonied				
ange onterta	Trons		Te		
ntry date Handed settlement data	Oct 1, 2022		Nov 21, 2021		
riginal amount			L		
etted amount			L		

# Figure 398 - INX04 - prompt screen 2 (CB User login)

INX04 – Multi-criteri	a search of a set of settlement restrictions – 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.
Cash party BIC	Filter to select which cash party BIC (NCB or payment bank) value/s should be included in the output.
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	<ul> <li>Filter to select which settlement status value/s should be included in the output.</li> <li>Possible values:</li> <li>USET</li> <li>PSET</li> <li>SETT</li> </ul>
Cancellation status	Filter to select which cancellation status value/s should be included in the output. Possible values:



	I NCAN I CANC
Entry date from	Filter to select the inclusive date from which entry date value/s should be included in the output.
	Must be used in conjunction with: <ul> <li>entry date to</li> </ul>
Entry date to	Filter to select the inclusive date up to which entry date value/s should be included in the output.
	Must be used in conjunction with:
Intended settlement date from	Filter to select the inclusive date from which intended settlement date value/s should be included in the output.
	Must be used in conjunction with: I 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.
	Must be used in conjunction with:
The following criteria are only show	<i>n</i> 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.
	Must be used in conjunction with: <ul> <li>instructed quantity to</li> </ul>
Instructed quantity to	Filter to select the inclusive quantity up to which instructed quantity value/s should be included in the output.
	Must be used in conjunction with:
	ווסנוטטפט קטמווווא ווטוו



Settled quantity from	Filter to select the inclusive quantity from which settled quantity value/s should be included in the output.
	Must be used in conjunction with:
	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.
	Must be used in conjunction with:
	settled quantity from
Cancelled quantity from	Filter to select the inclusive quantity from which cancelled quantity value/s should be included in the output.
	Must be used in conjunction with:
	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.
	Must be used in conjunction with: <ul> <li>cancelled quantity from</li> </ul>
The following criteria are only	y 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.
	Must be used in conjunction with:
	I 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.
	Must be used in conjunction with:
	I instructed amount from
Settled amount from	Filter to select the inclusive amount from which settled amount value/s should
	be included in the output.



	Must be used in conjunction with: <ul> <li>settled amount to</li> </ul>
Settled amount to	Filter to select the inclusive amount up to which settled amount value/s should be included in the output.
	Must be used in conjunction with: <ul> <li>settled amount from</li> </ul>
Cancelled amount from	Filter to select the inclusive amount from which cancelled amount value/s should be included in the output.
	Must be used in conjunction with: <ul> <li>cancelled amount to</li> </ul>
Cancelled amount to	Filter to select the inclusive amount up to which cancelled amount value/s should be included in the output.
	Must be used in conjunction with: <ul> <li>cancelled amount from</li> </ul>

	Parinet all					(X04 - N	Aulti-crit		arch of a		settlement <sup>mart</sup>	rest	rictions				- 20 165 - Imarinal Unit Assagle
ICarinani MC		HIGH HARACH	er seerin	NUL PERCENTION	PANEGAT	HELL PHARAO	CIRI, FABRA	TAVABIL									
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T23 actor instruction	Inspected artifements date	Artyst arthumant data	Settlement Mature	Curvestature	15-BL sode	Driped avertig	Settled mantify	Currenty	Criginal	Antter	Transakan tase	530	Arrent RC	Securitary Menod number	NOTING	Payment lassi BIC	TIS deduated unit and
tat.codiel	2005-17-08	2012-11-00	1811	NGAN		410.04		4.4	4.021.02	+ 121 82					MOREAU PROV	#MARY#JEE	C0+4405478UR00001
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alatana area:	2423/19.19	2012/10/10	14.41	NCAN .				814	10.01	10.07	1904				ACROSCIERCES	Pagaloristi	C3+443478,4401003
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	2023-11-82	2013-11-00	\$219	NEAN				2.8	4.307.08	4,521,00	SRCA				ACRONTER	Perdoutification	CSHANDH EUROCH!

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					INX04 - M	lulti-crite				of sett		estrictions				IAG - Inserv	210 CVHP Astephn
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Auto-criteria search of a	set of settlers	ent reatrictions -	Sat														
Number of securities a	attiement rest	istians: 22															
123 actor instruction reference	Intended settlement date	Actual settlement date	Settlement etatus	Cancellation V9N4	(SIN code	Original quantity	Settied quantity	Currency	Original amount	Settled amount	Transaction type code	C 10 BC	Account owner BIC	Securities account number	ACB BC	Payment bank BIC	T25 dedica cash aceou number
13+011-A7P6295-51	3023-10-24	3033-10-34	9677	NGAN	ATCEATODOD15	234	254				5458	DSD1ATFF801	PMBRATFF302	CSD#CSATP92001			
121023ACOLUMD-2	2223-16-31	2023/10-21	5617	NGAN	A70/647000018	106	999				5858	C5D1459901	PMERATWINSO	COOPCOATPEDODI			
221006ACOLUPED-1	2023-10-31	2023-12-31	3617	NCAN	ATGSATCOUL24	.30	0				3455	GSENATRATED 1	PMEKATW0001	CEOPCEATFROOM		1	
2010005204283-2	2023-10-31	2025-16-31	3811	NEAN	ATCENTCOLL24	900	. 999				3816	CSET:ATFREET	PMBK471W1001	CSDPC647P83001			
timet an PELPERI	2003-11-00	2025-11-05	SET!	NGAN	ATCENTOCOTE	420	420				8458	CSD/wfFF8dd1	PMEKATFF862	CSOPCAATP82001	-		
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ZI-1122 ATPREACE 1	2023-11-07		USET	CANE	ATCENTCOLLIS	1.800					\$456	CSDNATFF801	PMERATETER	CSOPCEATPR:301			
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TOTO DESCRIPTION OF	2023-11-07	2023-11-07	\$417	NCAN -	ATC 84T000028	55)	851				595E	CEDINTFEET.	PMBKATFF201	CSOFC647881001			
2008-2011	2223-11-14	2023-11-14	3671	NGAN .	47C84T/30210	120	120				3858	GSDHATFFORT	GSDP#T0002	CEOPCEATIRE2011			-
NANCINA (111-5	3823-11-18	2025-11-18	8611	N00431	ATCENTIXED TO	120	170				\$43E	C501x7FF801	CSDF#7-X802	CSDFD8470802011	-		
00000546-21297	3825-10-23	2023-10-21	-5611	NOAN	ATCENTURIO	120	120				543E	G501ATPF801	GSOFATIX822	CSD#C6ATIX02011			
19502,44922559	2822-10-03	2623-10-25	SET7	NOAN-	ATCENTORE:0	120	120				SASE	CSDYALTFRED	CSOF4FX802	C80PC547(88201)			
115/0208-21282	2023-10-25	2023-40-23	94TT	5(CAN	ATCOATIK0010	320	120				9456	CSONATERIOL	CSOPHTA822	CSOPCEATIX2201)		1	
050014.0131	3023-11-14		USET	NCAN	ATCRATOKEETE	78	0			1	5856	CADINEFERD	CSOF#T0301	CSOPCERTURING12			
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20052366-22281	2223-10-23	2023-10-23	5277	NGAN	ATCENTURGETS	75	0				3858	G5014797801	CEDPATIXAGE	CSOPCSATIKE1012			
DARKE-15-21281	2223-10-23		USET	SANC	ATCENTINDOVE	78	0			1	1456	CSDXX7FF801	CSOPHTIKE	C50PC34TX01012			1
00405224-23310	2223-11-14		USET	NCAN	ATCEATINGOTA	100	0			1	5456	GSDHATPROOT	GSDPATIZEDS	C60FC8AT1203823			

Figure 399 - INX04 list screen

INX04 – Multi-crite	eria 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 restrictio	n matching the selection criteria, one line will be displayed)
T2S actor instruction reference	Shows the reference provided by the T2S actor
	The reference is built as a hyperlink which leads to the output details screen when clicked.
Intended settlement date	Shows the intended settlement date.
	Display format is: YYYY-MM-DD
Actual settlement date	Shows the actual settlement date.
Settlement status	Shows the settlement status
	Possible values:
	I USET (unsettled)
	I PSET (partially settled)
	I SETT (fully settled)
Cancellation status	Shows the cancellation status



	Possible values: <ul> <li>NCAN (not cancelled)</li> <li>CANC (cancelled)</li> </ul>
ISIN code	Shows the ISIN
Instructed quantity	Shows the entered settlement quantity.
Settled quantity	Shows the settled settlement quantity.
Currency	Shows the currency code
Instructed amount	Shows the settlement amount.
Settled amount	Shows the settled settlement amount.
Transaction type code	<ul> <li>Shows the transaction type of the settlement restriction.</li> <li>Possible values: <ul> <li>SRCA (settlement restriction on cash)</li> <li>SRSE (settlement restriction on securities)</li> </ul> </li> </ul>
CSD BIC	Shows the BIC of the CSD
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.



T2S Predefined reports T2S Instructions (INX)

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**

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7			
ts	IND	X04 – Multi-criteria search of a set of settlement restrictions Cash settlement restrictions - Detail report	2003 11 IAC - Imariyat User Acceptang
CEXATFF801 - NCE AT Aange8 AE			
Auts oriteria search of a sat of settlement r	estrictions - metalls		
Reference information			
T28 actor instruction reference	201010-ATBLCSPB1		
Status information			
Settlement status	SETT		
Cancellation status	NCAN		
Timeline Information			
Entry date time	2023-10-10 12 34 68 662		
Intended settlement data	2023-10-10		
Actual settlement date	2023-10-10		
Cancellation date			
Categorisation information			
Movement type	CASH		
Restriction processing type from	Delverable		
Restriction processing type to	Stocking		
Transaction type code	IRCA		
Cash information			
Currency code	EUR		
725 dedicated cash account number	C.SHANBATEUR01002		
Original amount	10.97		
Settled amount	10.97		
Cancelled amount			
NCB BIC	NCBKATEF201		
Payment bank BIC	PMBKA77F201		
Process information			
Priority			
End of day restriction release	Teles		
LCMM information			
	AFPR		



ARGET - SECONTES DYATFFEOT - CSD-AT-Range8 - AB util-criteria search of a set of settlemi Reference information		riteria search of a set of settlement restrictions Securities settlement restrictions - Detail report	11 31 3 IAC - Internal User Acceptance Te
	ent restrictions - details		
Reference information			
T25 actor instruction reference	231023-ATP82RES2		
Status information	Transmontant (1940) - Contraction (1940)		
Settlement status	SETT		
Cancellation status	NCAN		
limeline information			
Entry data time	3023-10-35 16:59:44.705		
Intended settlement date	2023-10-24		
Actual settlement date	2023-10-24		
Cancellation date			
ategorisation information			
Movement type	SCTY		
Restriction processing type from	Deliverable		
Restriction processing type to	Reservation		
Transaction type code	SASE		
Securities information			
ISIN	ATC8A7000018		
Securities account number	CSDPCBATF82001		
Settlement type	UNIT		
Original quantity	234		
Settled quantity	254		
Canselled quantity			
C SD BIC	CSOXATFF801		
C SD participant BIC	PMBKATFF802		
External CSD BtC			
ash information			
Currency code			
Process information			
CoSD blocking	¢.		
Priority	NUL CON		
End of day restriction release	Not applicable		
CMM information LCMM approval status	APPR		

Figure 400 - INX04 details screen

INX04 – Multi-criter	ia 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 Possible values: USET (unsettled) PSET (partially settled)
	I SETT (fully settled)
Cancellation status	Shows the cancellation status



	Possible values: <ul> <li>NCAN (not cancelled)</li> <li>CANC (cancelled)</li> </ul>
	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
Movement type	<ul> <li>Shows the movement type of the settlement restriction.</li> <li>Possible values: <ul> <li>CASH (restriction on cash)</li> <li>SCTY (restriction on securities)</li> </ul> </li> </ul>
Restriction processing type from	Shows the restriction processing type from which the cash/securities are debited/delivered.
	Possible values:         Rejection         CSD Validation Hold         Reservation         Blocking         Balance Type/Earmarking         Earmarking for Auto-collateralisation         Deliverable         Collateralised         CoSD Blocking
Restriction processing type to	Shows the restriction processing type to which the cash/securities are credited/received. Possible values: Rejection CSD Validation Hold



	Reservation
	Blocking
	Balance Type/Earmarking
	Earmarking for Auto-collateralisation
	I Deliverable
	I Collateralised
	I CoSD blocking
Transaction type code	Shows the transaction type of the settlement restriction.
	Possible values:
	SRCA (settlement restriction on cash)
	SRSE (settlement restriction on securities)
	Securities information
(Please note, th	nat 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.
	Possible values:
	FAMT (face amount)
	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.
	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)
	Cash information
(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. Possible values:
	I False
Priority	Shows the priority. Possible values: 0001 (reserved) 0002 (top) 0003 (high) 0004 (normal)
	LCMM information
LCMM approval status	Shows the LCMM approval status. Possible values:
	<ul><li>APPR (approved (default value))</li><li>AWAP (awaiting approval)</li></ul>
	<ul><li>REJT (rejected)</li><li>RVKD (revoked)</li></ul>

# 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.

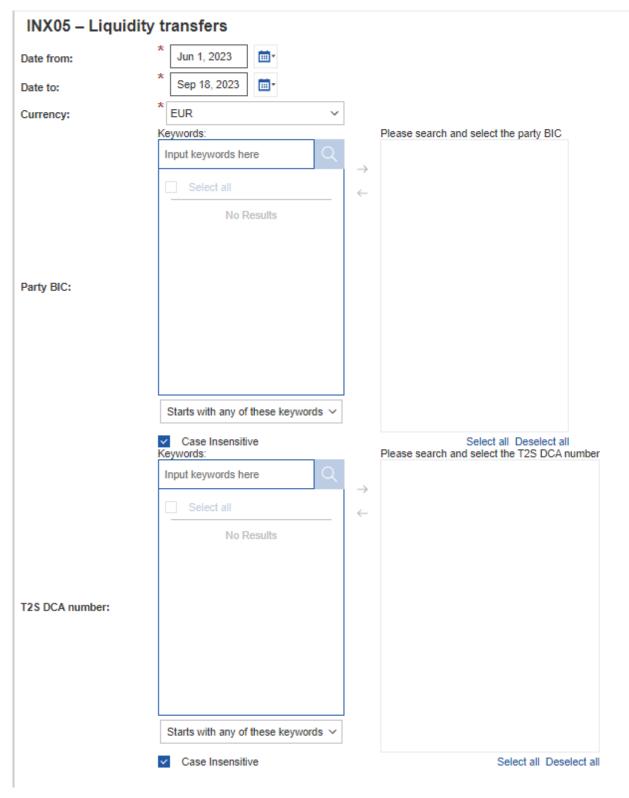


# Report Access

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX05







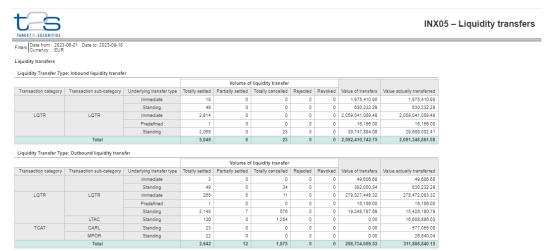
# INX05 prompt screen

INX05	– Liquidity transfers – Prompt Screen
	You can select the date by clicking on the calendar. This field is mandatory.
	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. This field is mandatory.





Currency	You can use this drop-down field to select the currency. 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. 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. This field is optional.



1,875

0 298,734,009.53

Liquidity Transfer Type: Internal liquidity transfer

		Volume of liquidity transfer							
Transaction category	Transaction sub-category	Underlying transfer type	Totally settled	Partially settled	Totally cancelled	Rejected	Revoked	Value of transfers	Value actually transferred
		Immediate	12	0	0	0	0	976,796.36	976,796.36
		Standing	3	0	0	0	0	0.00	220.00
LQTR	LQTR	Immediate	1,616	7	111	0	0	799,652,897.46	448,029,257.06
TCAT	ALOP	Standing	144	0	0	0	0	0.00	11,625.00
	Total		1 775	7	111	0	0	800 629 693 82	449 017 898 42

2,642

Total	

		Volume of liquidity transfer							
Transaction category	Transaction sub-category	Underlying transfer type	Totally settled	Partially settled	Totally cancelled	Rejected	Revoked	Value of transfers	Value actually transferred
		Immediate	34	0	0	0	0	3,001,813.94	3,001,813.94
		Standing	101	0	34	0	0	1,022,233.13	1,260,684.58
LQTR	LQTR	Immediate	4,795	12	122	0	0	3,137,721,405.28	2,785,542,399.86
		Predefined	2	0	0	0	0	32,312.00	32,312.00
		Standing	4,215	7	599	0	0	49,996,681.77	45,112,183.20
	LTAC	Standing	130	0	1,254	0	0	0.00	16,688,886.03
TCAT	ALOP	Standing	144	0	0	0	0	0.00	11,625.00
	CARL	Standing	23	0	0	0	0	0.00	577,055.00
	MPOR	Standing	22	0	0	0	0	0.00	26,640.04
Total		9,466	19	2,009	0	0	3,191,774,446.10	2,852,253,599.65	

Figure 401 - INX05 output screen



INX05 – Liquidity transfers – Output Screen			
Inbound liquidity transfers			
Transaction category	Shows the transaction category of the liquidity transfer. Possible values are: I LQTR I TCAT		
Transaction sub-category	<ul> <li>Shows the transaction sub-category of the liquidity transfer.</li> <li>Possible values are: <ul> <li>EDLT</li> <li>LQTR</li> <li>LTAC</li> <li>ALOP</li> <li>CARL</li> <li>MPOR</li> </ul> </li> </ul>		
Underlying transfer type	<ul> <li>Shows the underlying transfer type of the liquidity transfer.</li> <li>Possible values are: <ul> <li>Standing</li> <li>Predefined</li> <li>Immediate</li> </ul> </li> </ul>		
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 of transfers	Sum of the 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 outbound LTs,		



	per transaction category / transaction sub-category / underlying transaction type.
	Outbound liquidity transfers
Transaction category	<ul> <li>Shows the transaction category of the liquidity transfer.</li> <li>Possible values are: <ol> <li>LQTR</li> <li>TCAT</li> <li>STND</li> </ol> </li> </ul>
Transaction sub-category	Shows the transaction sub-category of the liquidity transfer. Possible values are: EDLT LQTR LTAC ALOP CARL MPOR STND
Underlying transfer type	<ul> <li>Shows the underlying transfer type of the liquidity transfer.</li> <li>Possible values are: <ol> <li>Standing</li> <li>Predefined</li> <li>Immediate</li> </ol> </li> </ul>
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 of transfers	Sum of the original instructed transfer amounts of all finalised outbound LTs, per transaction category / transaction sub-category / underlying transaction type.



Value actually transferred	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. Possible values are: I LQTR I TCAT
Transaction sub-category	<ul> <li>Shows the transaction sub-category of the liquidity transfer.</li> <li>Possible values are:</li> <li>EDLT</li> <li>LQTR</li> <li>LTAC</li> <li>ALOP</li> <li>CARL</li> <li>MPOR</li> </ul>
Underlying transfer type	<ul> <li>Shows the underlying transfer type of the liquidity transfer.</li> <li>Possible values are: <ol> <li>Standing</li> <li>Predefined</li> <li>Immediate</li> </ol> </li> </ul>
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 of transfers	Sum of the original instructed transfer amounts of all finalised internal LTs, per transaction category / transaction sub-category / underlying transaction type.
Value actually transferred	Sum of the actual settled amounts of all finalised internal LTs, per



	transaction category / transaction sub-category / underlying transaction type.
	Total
Transaction category	<ul> <li>Shows the transaction category of the liquidity transfer.</li> <li>Possible values are: <ul> <li>LQTR</li> <li>TCAT</li> <li>STND</li> </ul> </li> </ul>
Transaction sub-category	<ul> <li>Shows the transaction sub-category of the liquidity transfer.</li> <li>Possible values are: <ul> <li>EDLT</li> <li>LQTR</li> <li>LTAC</li> <li>ALOP</li> <li>CARL</li> <li>MPOR</li> <li>STND</li> </ul> </li> </ul>
Underlying transfer type	<ul> <li>Shows the underlying transfer type of the liquidity transfer.</li> <li>Possible values are: <ul> <li>Standing</li> <li>Predefined</li> <li>Immediate</li> </ul> </li> </ul>
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 of transfers	Sum of all value of transfers measures across all transfer types, per transaction category / transaction sub-category / underlying transaction type.
Value actually transferred	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**

INX06 – Prompt (Pre-selection)			
Choose data object:	*	Party BIC	~
Additional filter criteria:		Quantities Amounts	

#### Figure 402 - INX06 pre-selection screen



INX06 – Multi-criteria search of a set of business cancellations – Pre-selection screen			
Choose data object			
(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			
(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		

# Please search and select the securities party BIC Keywords: Input keywords here 5 No Results Securities party BIC: Starts with any of these keywords ~ Case Insensitive Select all Deselect all Please search and select the cash party BIC Keywords: Input keywords here ÷ No Results Cash party BIC: Starts with any of these keywords ~ Select all Deselect all Case Insensitive Settlement instruction Referenced instruction type: Settlement restriction

# INX06 - Multi-criteria search of a set of business cancellations - Prompt



Approval status:	APPR - Approved AWAP - Awaiting approval REJT - Rejected RVKD - Revoked		
Execution status:	EXCD - Executed NEXD - Not executed		
Range criteria	From	То	
Entry date:	Apr 25, 2024	Apr 25, 2024	<b>*</b>
Instructed settlement quantity:			

# Figure 403 - INX06 prompt screen

INX06 – Multi-criteri	a search of a set of business cancellations – 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.
Cash party BIC	Filter to select which cash party BIC (NCB or payment bank) value/s should be included in the output.
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. Possible values: STIN (Settlement instruction)
Approval status	<ul> <li>STRN (Settlement restriction)</li> <li>Filter to select which approval status value/s should be included in the output.</li> <li>Possible values: <ul> <li>APPR (Approved)</li> <li>AWAP (Awaiting approval)</li> <li>REJT (Rejected)</li> <li>RVKD (Revoked)</li> </ul> </li> </ul>



Execution status	Filter to select which execution status value/s should be included in the output. Possible values:     EXCD (Executed)     NEXD (Not executed)
Entry date from	Filter to select the inclusive date from which entry date value/s should be included in the output. Must be used in conjunction with:
Entry date to	<ul><li>Filter to select the inclusive date up to which entry date value/s should be included in the output.</li><li>Must be used in conjunction with:</li><li>entry date from</li></ul>
The following criteria are only show	vn 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.
	Must be used in conjunction with: <ul> <li>instructed settlement quantity to</li> </ul>
Instructed settlement quantity to	Filter to select the inclusive quantity up to which instructed settlement quantity value/s should be included in the output.
	Must be used in conjunction with: i 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.
	Must be used in conjunction with: <ul> <li>instructed settlement amount to</li> </ul>
Instructed settlement amount to	Filter to select the inclusive amount up to which instructed settlement amount value/s should be included in the output.
	Must be used in conjunction with: <ul> <li>instructed settlement amount from</li> </ul>

ulti-criteria search of a set of busines	cancellations-list											
Number of business cancellations: 3.521												
Underlying T2S instruction reference	Entry date time	LCMM approval status	Execution status	Original settlement quantity	Original settlement amount	Referenced instruction type	CSD BIC	CSD participant BIC	Securities account number	NCB BIC	Payment bank BIC	T2S DCA number
118973177000	2023-06-23 10:17:30.954	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119097798000	2023-06-30 11:12:43:576	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119220462000	2023-07-07 17:39:36.112	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
19257151000	2023-07-11 08:28:43.644	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
19261884001	2023-07-11 15:40:23.253	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
19289633000	2023-07-12 13:24:39:700	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119293319000	2023-07-12 17:23:51:494	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBOOX	PARAHUHBXXXCSDPP130			
119293537000	2023-07-12 18:44:03.762	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119328228000	2023-07-14 09:28:35.018	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119438361000	2023-07-21 11:06 10:712	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119501374000	2023-07-27 13:27:32.460	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119551995000	2023-07-31 09:28:14.937	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119663419000	2023-08-07 10:06:23:985	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119697707000	2023-08-07 12:30:39:507	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
19774272000	2023-08-11 10:42:04.136	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
119654661000	2023-08-18 09:37 25 488	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
120018684000	2023-08-25 10 31 38 734	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
120060540000	2023-08-28 17:22 53.911	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
120131009000	2023-09-01 11:13 15 328	APPR	EXCD	1	0.00	STIN	CSDAHUHBXXX	PARAHUHBXXX	PARAHUHBXXXCSDPP130			
1120366710000	2023-09-13 12:42:55 737	400D	EXCD		0.00	07041	CSDAHUHBXXX	PARAHLIHBXXX	PARAHUHBXXXCSDPP130			

# Figure 404 - INX06 list screen

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	on 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.				
	Displayed format is: YYYY-MM-DD hh:mm:ss				
	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.		
	Possible values:		
	APPR (approved (default value))		
	AWAP (awaiting approval)		
	I REJT (rejected)		
	I RVKD (revoked)		
Execution status	Shows the execution status of the cancellation instruction.		
	Possible values:		
	EXCD (executed)		
	I 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:		
	Possible values:		
	I STIN (settlement instruction)		
	I STRN (settlement restriction)		
CSD Id	Shows the BIC of the CSD		
CSD participant Id	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)		
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.		



T2S Predefined reports T2S Instructions (INX)

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**

1		
T		2
U		2
TARGET	2-SECURIT	ES

INX06 - Multia-criteria search of a set of business cancellations

Multia-criteria search of a set of business cancellations - details:

Reference information	
Underlying T2S instruction reference	ACLINK091-35636
Status information	
Execution status	EXCD
Match status	MACH
Cancellation status	NDEN
imeline information	
Entry date time	2023-06-01 14:55:59.776
Execution date	2023-06-01
Categorisation information	
Cancellation instruction type	PTYC
Referenced instruction type	STIN
Securities information	
ISIN	
Securities account number	PARAESQAXXXCSDPP0001
Securities settlement type code	UNIT
Original settlement quantity	0
CSD BIC	CSDYESQAXXX
CSD participant BIC	PARAESQAXXX
External CSD BIC	
Cash information	
Currency code	EUR
T2S dedicated cash account number	
Original settlement amount	0.00
NCB BIC	
Payment bank BIC	
Process information	
Reason code reference	n/a
Externally matched	т
CMM information	
LCMM approval status	APPR

6

# Figure 405 - INX06 details screen

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	<ul> <li>Shows the execution status of the cancellation instruction.</li> <li>Possible values: <ul> <li>EXCD (executed)</li> <li>NEXD (not executed)</li> </ul> </li> </ul>		
Match status	Shows the matching status of the cancellation instruction.		



	Possible values:		
	MACH (matched)		
	NMAT (unmatched)		
Cancellation status	Shows the cancellation status of the cancellation instruction.		
	Possible values:		
	I DEND (denied)		
	NDEN (not denied)		
	Timeline information		
Entry date time	Shows the date and time the cancellation instruction entered T2S.		
	Displayed format is: YYYY-MM-DD hh:mm:ss		
	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	Shows the execution date of the cancellation instruction.		
	Displayed format is: YYYY-MM-DD		
	Categorisation information		
Cancellation instruction type	Shows the type of cancellation.		
	Possible values:		
	PTYC (party cancellation)		
	CSDC (CSD cancellation)		
	COSD (CoSD cancellation)		
Referenced instruction type	Shows the type of the referenced instruction:		
	Possible values:		
	STIN (settlement instruction)		
	STRN (settlement restriction)		
Securities information			
(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 code	Shows the settlement type.		
	Possible values:		
	FAMT (face amount)		



	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			
(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.			



Externally matched	Shows if the instruction is already matched or not when it enters T2S.			
	Possible values:			
	True (already matched outside T2S)			
	False (unmatched)			
LCMM information				
LCMM approval status	Shows the LCMM approval status.			
	Possible values:			
	APPR (approved (default value))			
	AWAP (awaiting approval)			
	REJT (rejected)			
	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



INX07 – Prompt (P	re-selection)		
Choose data object:	*	Party BIC	$\sim$
Additional filter criteria:		Quantities Amounts	
Figure 406 - INX07 pre-selection scre	en		
Field Description			
INX07 – Multi-criteria se	earch of a set of amendment	instructions – Pre-selection screen	
	Choose data obje	ct	
	(one of both objects has to	be chosen)	

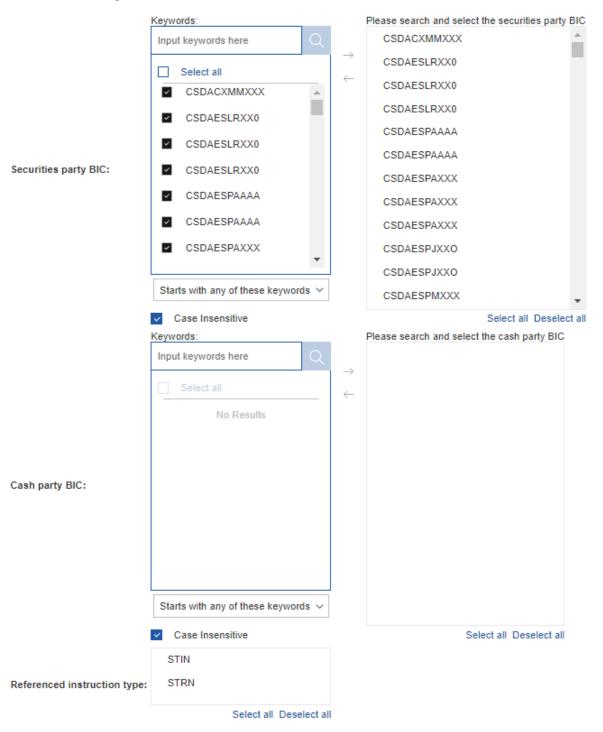
Party BIC	Provides fields for searching securities party BICs or cash party BICs in the next screen
Account number	Provides fields for searching for securities account numbers or cash account numbers in the next screen



	Additional search criteria
	(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



#### INX07 – Prompt





Partial settlement indicator:	NPAR			
	PART			
	PARC			
	PARQ			
		Select all Deselect all		
	0001			
	0003			
Priority:	0004			
		Select all Deselect all		
		Select all Desclott all		
	APPR			
	AWAP			
Approval status:	REJT			
	RVKD			
		Select all Deselect all		
Execution status:	EXCD			
	NEXD			
		Select all Deselect all		
Range criteria	From		То	
Entry date:	Jun 1, 2023		Sep 18, 2023	<b>•</b>

# Figure 407 - INX07 prompt screen

INX07 – Multi-criteria search of a set of amendment 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.		
Cash party BIC	Filter to select which cash party BIC (NCB or payment bank) value/s should be included in the output.		
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	<ul> <li>Filter to select which referenced instruction types should be included in the output.</li> <li>Possible values: <ul> <li>STIN (Settlement instruction)</li> <li>STRN (Settlement restriction)</li> </ul> </li> </ul>
Partial settlement indicator	Filter to select which partial settlement indicator value/s should be included in the output. Possible values: NPAR PART PARC PARQ
Priority	Filter to select which priority value/s should be included in the output. Possible values: 0001 0003 0004
Approval status	Filter to select which approval status value/s should be included in the output. Possible values: APPR AWAP REJT RVKD
Execution status	<ul> <li>Filter to select which execution status value/s should be included in the output.</li> <li>Possible values: <ul> <li>EXCD</li> <li>NEXD</li> </ul> </li> </ul>
Entry date time from	Filter to select the inclusive date from which entry date value/s should be included in the output.



	Must be used in conjunction with: I 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.
	Must be used in conjunction with:
	I entry date time from
The following criteria are only show	n 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.
	Must be used in conjunction with: 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.
	Must be used in conjunction with:
	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.
	Must be used in conjunction with: <ul> <li>instructed settlement amount to</li> </ul>
Instructed settlement amount to	Filter to select the inclusive amount up to which instructed settlement amount value/s should be included in the output.
	Must be used in conjunction with: <ul> <li>instructed settlement amount from</li> </ul>

				I	NX07 – Multi-c	riteria amendm List report	ent instruction	is se	arch			IAC
NTS Securities party BIC: CSDACXII Entry date from : 2023-06-0 Iti-criteria search of a set of amen	1 to: 2023-09-18	SDAESLRXX0, C	SDAESLRXX0, CSD	AESPAAAA, CSDAESPAAAA	I, CSDAESPAXXX, CSDAESP	AXXX, CSDAESPAXXX, CSD	AESPJXXO, CSDAESPJXXO	, CSDAE	SPMXXX, CSDAESPMXX, CS	DAESPMXXX, CSDAESPU4XX, CSDA	н	
Number of amendment Instructions	: 1,167											
Underlying T2S instruction reference	Entry date time	Approval status	Execution status	Original settlement quantity	Original settlement amount	Referenced instruction type	Partial settlement indicator	Priority	Securities party BIC	Securities account number	Cash party BIC	T2S DCA number
(not provided)	2023-06-06 07:14:54.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-08-28 15:44:47.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-06-09 12:21:30.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-07-07 17:20:30.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-06-30 10:52:48.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-07-07 15:41:19.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-09-15 09:09:37.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-06-30 15:14:53.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-07-14 09:08:10.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-09-13 16:21:34.765	APPR	EXCD	0	-1.00	STRN		0003	PMBSDEA0XXX	CSDPCSDE0001		
(not provided)	2023-06-12 10:22:56.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-09-13 12:23:04.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-08-18 09:17:36.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-08-28 17:03:34.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
inot provided)	2023-08-11 10:21:42.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
not provided)	2023-06-23 09:57:30.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
(not provided)	2023-07-21 10:45:36.000	APPR	EXCD	0	-1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		
not provided)	2023-09-13 16:47:37.235	RVKD	NEXD	0	-1.00	STRN		0003	PMBSDEA0XXX	CSDPCSDE0001		
(not provided)	2023-09-13 16:49:26.186	APPR	NEXD	0	-1.00	STRN		0001	PMBSDEA0XXX	CSDPCSDE0001		
(not provided)	2023-06-23 12:20:18.000	ADDD	EXCD	0	.1.00	STRN		0003	PARAHUHBXXX	PARAHUHBXXXSAC01		

#### Figure 408 - INX07 list screen

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 inst	ruction 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. Displayed format is: YYYY-MM-DD hh:mm:ss:µsµsµsµsµs		
Approval status	Shows the matching status of the amendment instruction. Possible values:		



Execution status	<ul> <li>APPR (Approved)</li> <li>AWAP (Awaiting approval)</li> <li>REJT (Rejected)</li> <li>RVKD (Revoked)</li> </ul> Shows the execution status of the amendment instruction. Possible values: <ul> <li>EXCD (executed)</li> </ul>
	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	<ul> <li>Shows the type of instruction of the referenced instruction:</li> <li>Possible values:</li> <li>STIN (settlement instruction)</li> <li>STRN (settlement restriction)</li> </ul>
Partial settlement indicator	<ul> <li>Shows if the amendment instruction allows partial settlement and indicates the threshold type.</li> <li>Possible values: <ol> <li>NPAR (partial not allowed</li> <li>PART (partial allowed</li> <li>PARC (partial settlement cash threshold allowed)</li> <li>PARQ (partial settlement quantity threshold allowed)</li> </ol> </li> </ul>
Priority	<ul> <li>Shows the priority of the amendment instruction from the possible values:</li> <li>0001 (Reserved)</li> <li>0002 (Top)</li> <li>0003 (High)</li> <li>0004 (Normal)</li> </ul>
Securities party BIC	Shows the BIC of the securities account owner.



T2S Predefined reports T2S Instructions (INX)

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 amendment instructions search Detail report
--	---

Multi-criteria search of a set of amendment instructions - details

Reference information	
Underlying T2S instruction reference	
status information	
Execution status	EXCD
Approval status	APPR
Cancellation status	NDEN
imeline information	
Entry date time	2023-06-01 00:10:21.000
Execution date	2023-06-01
Categorisation information	
Referenced instruction type	STRN
Securities information	
ISIN	
Securities account number	PARAESQBXXXCSDPP0001
Securities Settlement type	
Original settlement quantity	0
CSD BIC	CSDYESQBXXX
CSD participant BIC	PARAESQBXXX
External CSD BIC	
Cash information	
Currency code	EUR
T2S dedicated cash account number	
Original settlement amount	-1.00
NCB BIC	
Payment bank BIC	
Process information	
Priority	
Partial settlement indicator	

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#### Figure 409 - INX07 details screen

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. Possible values:			
	<ul><li>I EXCD (executed)</li><li>I NEXD (not executed)</li></ul>			



Approval status	<ul> <li>Shows the matching status of the amendment instruction.</li> <li>Possible values: <ol> <li>APPR (Approved)</li> <li>AWAP (Awaiting approval)</li> <li>REJT (Rejected)</li> <li>RVKD (Revoked)</li> </ol> </li> </ul>
Cancellation status	<ul> <li>Shows the cancellation status of the amendment instruction.</li> <li>Possible values: <ul> <li>DEND (denied)</li> <li>NDEN (not denied)</li> </ul> </li> </ul>
	Timeline information
Entry date time	Shows the date and time the amendment instruction entered T2S. Displayed format is: YYYY-MM-DD hh:mm:ss,sssss
Execution date	Shows the execution date of the amendment instruction. Displayed format is: YYYY-MM-DD
	Categorisation information
Referenced instruction type	Shows the type of the referenced instruction: Possible values: STIN (settlement instruction) STRN (settlement restriction)
	Securities information
(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 code	Shows the settlement type. Possible values: FAMT (face amout) 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



Shows the BIC of the external CSD Cash information be filled for cancellations for restrictions on securities or for cancellations for settlement instructions "FOP") Shows the currency code.			
be filled for cancellations for restrictions on securities or for cancellations for settlement instructions "FOP")			
settlement instructions "FOP")			
Shows the currency code.			
-			
Shows the T2S dedicated cash account number of the underlying instruction.			
Shows the instructed amount of the underlying instruction in the instruction's currency.			
Shows the BIC of the NCB			
Shows the BIC of the payment bank			
Process information			
<ul> <li>Shows the priority of the amendment instruction from the possible values:</li> <li>0001 (Reserved)</li> <li>0002 (Top)</li> <li>0003 (High)</li> <li>0004 (Normal)</li> </ul>			
Shows if the amendment instruction allows partial settlement and indicates the threshold type. Possible values: NPAR (partial not allowed PART (partial allowed PARC (partial settlement cash 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:

I Content >> Team Content >> T2S >> Predefined Reports >> INX - T2S Instructions >> INX08

#### **Screenshot**

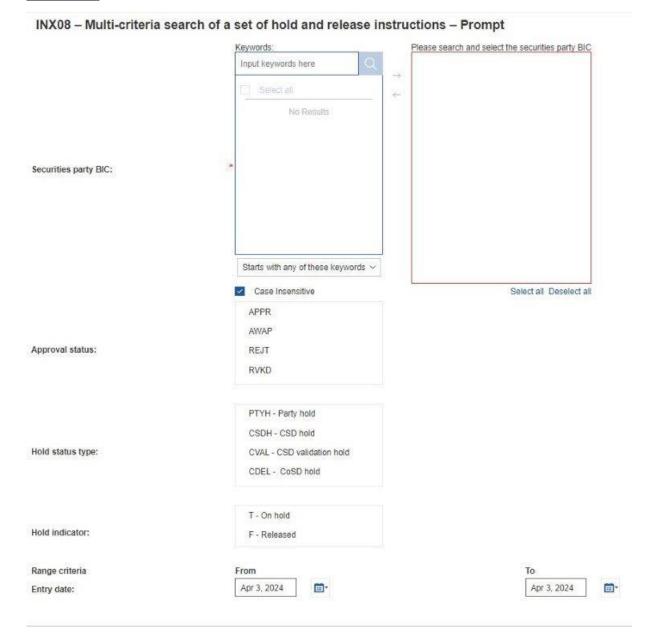


Figure 410 - INX08 prompt screen



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. This field is mandatory.		
Approval status	<ul> <li>Filter to select which approval status value/s should be included in the output.</li> <li>APPR</li> <li>AWAP</li> <li>REJT</li> <li>RVKD</li> </ul>		
Hold status type	<ul> <li>Filter to select which hold status type value/s should be included in the output.</li> <li>Possible values</li> <li>PTYH - Party hold</li> <li>CSDH - CSD hold</li> <li>CVAL CSD validation hold</li> <li>CDEL - CoSD hold</li> </ul>		



Hold indicator	Filter to select which hold status type value/s should be included in the output.
	Possible values
	I T – On hold
	F - Released
Entry date time from	Filter to select the inclusive date from which entry date value/s should be included in the output.
	Must be used in conjunction with: I 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.
	Must be used in conjunction with: <ul> <li>Entry date time from</li> </ul>

# <u>Screenshot</u>

itters Entry date from : 2023-07-0				DAESPAAAA C	SDAES	PAAAA CSDAESPAYYY CSDAES	PAXXX, CSDAESPAXXX, CSDAESPJXXO, CSDAESPJXXO, CSDAESPMXXX, CSDAESPMXXX, CSDAESPMXXX, CSDAESPU4XX, CSDA
	1 to: 2023-09-18	SDAESLRAAD, C.	SDAESERAAU, CSI	DRESPARA, C	SUALS	PARA, CODRESPANN, CODRES	PAAAA, CSDRESPAAAA, CSDRESPAAAO, CSDRESPAAAO, CSDRESPMAAA, CSDRESPMAAA, CSDRESPMAAA, CSDRESPO4AA, CSDR
fulti-criteria search of a set of hold :	and release instructions -	list					
Number of hold and release instruc							
Underlying T2S instruction reference	Entry date time		Hold status type			Securities party BIC	
2307070528383612	2023-07-07 15:41:25.897		CDEL	T		CSDBHUHCXXX	
2307070528409918	2023-07-07 16:29:47.620		CDEL	т		CSDGESPGXXX	
2307070528421649	2023-07-07 17:41:25.000		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	т		CSDBHUHCXXX	
2307100528439104	2023-07-10 09:35:52.786	APPR	CDEL	T		CSDGESPGXXX	
2307100528439105	2023-07-10 09:35:53.230	APPR	CDEL	т		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	т		CSDBHUHCXXX	
307140528577745	2023-07-14 15:58:16.465	APPR	CDEL	т		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	
307210528670139	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 411 - INX08 list screen



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 ins	truction 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. Displayed format is: YYYY-MM-DD hh:mm:ss
Approval status	<ul> <li>Shows the matching status of the hold or release instruction.</li> <li>Possible values: <ul> <li>APPR (Approved)</li> <li>AWAP (Awaiting approval)</li> <li>REJT (Rejected)</li> <li>RVKD (Revoked)</li> </ul> </li> </ul>
Hold status type	Shows the hold status for the instructions. Possible values: CoSD hold Party hold CSD hold CSD validation hold



Hold indicator	Shows the CSD hold status.
	Possible values:
	Yes (when the instruction intends to hold an instruction)
	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.



INX08 – Multi-criteria search of a set of hold and release instructions - details

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	т
CoSD rule	200028460
Cash information	
Instructing party	CSDBHUHCXXX
Sending party	TCSOTCS0XXX
User ID	T2S SU
Inbound LCMM message reference	

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#### Figure 412 - INX08 details screen

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. Possible values: I EXCD (executed) I NEXD (not executed)			
Approval status	Shows the matching status of the hold or release instruction.			



Cancellation status	Possible values: APPR (Approved) AWAP (Awaiting approval) REJT (Rejected) RVKD (Revoked) Shows the cancellation status of the hold or release instruction. Possible values: DEND (denied)
	NDEN (not denied)
	Timeline information
Entry date time	Shows the date and time the hold or release instruction entered T2S.
	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. 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
External CSD BIC	Shows the BIC of the external CSD
	Process Information
Hold status type	Shows the hold status for the instructions. Possible values: CoSD hold Party hold CSD hold CSD validation hold
Hold indicator	<ul> <li>Shows the CSD hold status.</li> <li>Possible values: <ol> <li>On hold (when the instruction intends to hold an instruction)</li> <li>Released (when the instruction intends to release an instruction)</li> </ol> </li> </ul>



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



INX09 – Prompt		
	Keywords:	Please search and select the cash party BIC
	Input keywords here	NCBKATFF801
	Select all	PMBKATFF801
	NCBKATFF801	PMBKATFF802
	PMBKATFF801	PMBKATIX801
	PMBKATFF802	PMBKATIX802
Cash party BIC:	* PMBKATIX801	PMBKATIZ803
	PMBKATIX802	PMBKATVWW801
	PMBKATIZ503	
	PMBKATVWV801	
	Starts with any of these keywords $\sim$	
	Case Insensitive Keywords:	Select all Deselect all Please search and select the debited account number
	Input keywords here	
	Select al	
		6
	No Results	
Debited account number:		
	Starts with any of these keywords $\sim$	
	Case Insensitive Keywords:	Select all Deselect all Please search and select the credited account number
	Input keywords here Q	
	[] Select all	
	No Results	
Credited account number:		
	Starts with any of these keywords $\sim$	
	Case Insensitive	Select all Deselect all



	IBLT
Transfer type:	OTLT
nanaici type.	INLT
	Select all Deselect all
	SLTO
Underlying transfer type:	PLTO
onderlying transfer type:	ILTO
	Select all Deselect all
	LQTR
Settlement transaction category:	TCAT
	Select all Deselect all
	LQTR
	LTAC
	EDLT
Settlement transaction sub-category:	MPOR
	CARL
	ALOP
	Select all Deselect all
	DKK
Currency code:	EUR
	Select all Deselect all
	APPR - Approved
	AWAP - Awaiting approval
Approval status:	REJE - Rejected
	REVO - Revoked
	Select all Deselect all
	SNXE - Not executed
	SUNS - Unsettled
Settlement status:	SPAS - Partially settled
	SSET - Settled
	Select all Deselect all
Range criteria	From
Settlement date:	Jun 1, 2023
Transfer amount:	
Settled amount:	

То	
Sep 18, 2023	

# Figure 413 - INX09 prompt screen



INX09 – Multi-crit	eria 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.
	This field is mandatory
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.
	Possible values:
	I IBLT
	I OTLT
	I INLT
Underlying transfer type	Filter to select which underlying transfer types should be included in the output.
	Possible values:
	I SLTO
	I PLTO
	I ILTO
Settlement transaction category	Filter to select which settlement transaction categories should be included in the output.
	Possible values:
	I LQTR
	I TCAT
Settlement transaction sub-category	Filter to select which settlement transaction sub-categories should be included in the output.
	Possible values:
	I LQTR
	I LTAC
	I EDLT
	I MPOR
	I CARL
	I ALOP
Currency code	The report output contains only settlement instructions with the selected
	settlement currency codes.



Approval status	<ul> <li>Filter to select which approval status value/s should be included in the output.</li> <li>Possible values: <ul> <li>APPR (Approved)</li> <li>AWAP (Awaiting approval)</li> <li>REJE (Rejected)</li> <li>REVO (Revoked)</li> </ul> </li> </ul>
Settlement status	<ul> <li>Filter to select which settlement status value/s should be included in the output.</li> <li>Possible values:</li> <li>SNXE</li> <li>SUNS</li> <li>SPAS</li> <li>SSET</li> </ul>
Settlement date from	Filter to select the inclusive date from which settlement date value/s should be included in the output. Must be used in conjunction with:
Settlement date to	Filter to select the inclusive date up to which settlement date value/s should be included in the output. Must be used in conjunction with:
Transfer amount from	Filter to select the inclusive amount from which transfer amount value/s should be included in the output. Must be used in conjunction with: Transfer amount to Currency code



Transfer amount to	Filter to select the inclusive amount up to which transfer amount value/s should be included in the output.
	Must be used in conjunction with:
	I Transfer amount from
	I Currency code
Settled amount from	Filter to select the inclusive amount from which actual amount value/s should be included in the output.
	Must be used in conjunction with:
	Settled amount to
	Currency code
Settled amount to	Filter to select the inclusive amount up to which actual amount value/s should be included in the output.
	Must be used in conjunction with:
	Settled amount from
	Currency code

	5					IN	1X09 – N	lulti-cri		quidity t	ransfer se	arch				2024-04 6:16 IAC - Internal User Acceptance T
riters Cash party B Settlement d	RC	4-25														
fulti-criteria searc	h of a set of liquidity transfers	s - list														
Number of liquidi	ty transfers: 33,650															
Liquidity transfer instructor reference	End-to-End ID	Entry trivestamp	Settement traestamp	Approvial status	Settement status	Currency code	Transfer emount	Bettled	Transfer type	Underlying transfer type	Settlement transaction category	Settlement transaction sub- category	Debited party BIC	Debited account number	Credited party EIC	Credited account number
51309164	FNE05001R3485514	2023-05-31	2023-05-31 10.35 51.886	APPR	SNXE	EUR	320.00	320.00	IBLT	ILTO	LOTR	LOTR	External Party	PEEN IPECSHA3785 IOEUR	FELLPEP 1000	N1PFCSHA378510EUR
51309168	Test	9999-01-01 00:00:00:000	2023-05-31 10:38:50.962	AFPR	ENDXE	EUR	100.00	100.00	OILT	BLTO	LOTR	LOTR	NCEHNLFF001	NCEANHDDEUR0001	External Party	ERTOENHNLEUR001
51300189	LT27.51	9999-01-01 00:00:00:000	2023-05-31 10 38 51 059	AFPR	SNXE	EUR	41.00	41.00	OTLT	SLTO	LOTR	LOTR	NCRSESPSXXX	NCESESPS/CCONCEP01	External Party	NOBSESPSXXXRTGP01
51309179	z3504wg0015O	9999-01-01 00:00:00:000	2023-05-31 10:38:51:133	APPR	SNXE	EUR	100 00	100.00	OILT	SLTO	LQTR	LOTR	NCEKDEFFL01	NCEANLDEEUR0001	External Party	DEERTOSNLDEEUR001
51309171	or4084001SO	9999-01-01 90:00:00:000	2023-05-31 10-38-61.211	APPR	SNXE	EUR	4,000.00	4,000.00	OTLT	SLTO	LOTR	LOTR	NCBKDEFFI01	NCBANICEEUR0001	External Party	DEERTOSNIDEEUR001
51309172	123	9999-01-01	2023-06-01 10 35 51 294	APPR	SNOT	EUR	150,000.00	150,000.00	onr	SLTO	LOTR	LOTR	NCERNA, FFEI01	NCEANBNLEUR0001	Esternal Party	DEERTGSNENLEUR001
51309173	SOFFR709A	9999-01-01	2023-05-31 10 38 51 375	AFPR	SNRE	EUR	0.00	9.00	OTLT	SLTO	LOTR	LTAC	CRSSFRTP002	NEREURPBBKERRR1020	External Party	NOBOHUPPXXXRTGEURPh1
51200174	CR708P9i0000021352803	9909-01-01 00.00.00.000	2023-05-31 10:40:21:847	AFPR	SISET	EUR	203.00	203.00	OTLT	SLTO	LOTR	LOTR	NCEKDEFFL01	NCRANLDEEUR0002	External Party	TACCNIDEEUR0001
51309175	TestLTC1P0	9999-01-01 00:00:00:000	2023-05-31 10 40 21 947	AFPR	SSET	EUR	50.00	50.00	OTLT	SLTO	LOTR	LOIR	NCEDNLAGXXX	NCBANDNLEUR0001	External Party	ERTGENERALEUROOT
51309175	PB/222095-1	9999-01-01 90.00.00.000	2023-05-31 10:30:51:649	AFPR	SNKE	EUR	0.00	0.00	OTLT	SLTO	LOTR	ETAD	FAXVWPFP1000	NIPECSHA375508EUR	External Party	PFENIPFCSHA375508EUR
51300178	Test	9999-01-01	2023-05-31 19:40:22:219	AFPR	SUNS	EUR	100.00	100.00	IELT	SLTO	LOTR	LOTR	External Party	ERTOSNHALEUR001	NCBHNLFF001	NDBANHDDEUR0001
51309179	or45880015.0	9999-01-01 50 00:00:000	2023-06-31 10-45-47-516	AFPR	SSET	EUR	4,000.00	4,000.00	IBLT	SLTO	LOTR	LOTR	External Party	DEERTGSNIDEEUR001	NCBKDEFFI01	NCB4NIDEEUR0001
51309180	CR708P9i0000021352803	9999-01-01	2023-06-31 10-49-47-572	APPR	SSET	EUR	203.00	203.00	IBLT	SLTD	LOTR	LOTR	External Party	TACCNIDEEUR0001	NCBKDEFFLOT	NCBANLDEEUR0002
51300181	z3604wg001SO	9999-01-01 90 00 00 000	2023-06-31 10.45.47.572	AFPR	SSET	EUR	100.00	109 00	IBLT	SLTO	LOTR	LOTR	External Party	DEERTGSNLDEEUR001	NCBKDEFFL01	NOBANLDEEUR0001
\$1309182	6.727.11	9999-01-01	2023-05-31 10.45.47.572	AFFR	SSET	ELR	41.00	41.00	IBLT	SLTO	LOTR	LOTR	External Party	NOBSESPSROKRTGP01	NCESESP5000	NCBSESPSXXXNCBP01
51300186	L727.11	9999-01-01 00:00:00:000	2023-05-31 10-45-21.002	AFPR	SNOKE	EUR	41.00	41.00	OTLT	SLTO	LQTR	LOTR	PBKGESPSXXX	PBKGESP8XXXDCAP04	External Party	NCBSESPSXXXRTGP01

#### Figure 414 - INX09 list screen



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. Displayed format: YYYY-MM-DD hh:mm:ss,ssss					
Settlement timestamp	Shows the date and the time of the attempted settlement in T2S. Displayed format: YYYY-MM-DD hh:mm:ss,ssss					
Approval status Settlement status	<ul> <li>Shows approval status of the liquidity transfer.</li> <li>Possible values: <ul> <li>APPR (Approved)</li> <li>AWAP (Awaiting approval)</li> <li>REJE (Rejected)</li> <li>REVO (Revoked)</li> </ul> </li> <li>Shows the settlement status of the liquidity transfer.</li> <li>Possible values:</li> </ul>					
	<ul> <li>SNXE (Not executed)</li> <li>SUNS (=Unsettled)</li> <li>SPAS (=Partially settled)</li> <li>SSET (=Settled)</li> </ul>					
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	<ul> <li>Shows the direction of the transferred liquidity.</li> <li>Possible values: <ol> <li>IBLT (inbound liquidity transfer)</li> <li>OTLT (outbound liquidity transfer)</li> <li>INLT (internal liquidity transfer order)</li> </ol> </li> </ul>					



Underlying transfer type	Shows the type of the transferred liquidity.
	Possible values:
	SLTO (standing liquidity transfer order)
	PLTO (predefined liquidity transfer order)
	I ILTO (immediate liquidity transfer order)
Settlement transaction category	Shows the settlement transaction category of the liquidity transfer.
	Possible values:
	LQTR (liquidity transfer)
	I TCAT (technical cash transfer)
Settlement transaction sub-category	Shows the settlement transaction sub-category of the liquidity transfer.
	Possible values:
	LQTR (liquidity transfer)
	LTAC (Liquidity transfer all cash)
	EDLT (EoD liquidity transfer)
	MPOR (monetary policy operation cash rebalancing)
	CARL (corporate action cash rebalancing)
	ALOP (auto-collateralisation liquidity optimization)
Debited party BIC	Shows the BIC of the payment bank which owns the debited account.



T2S Predefined reports T2S Instructions (INX)

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**

t-S		INX09 – Multi-criteria search of a set of liquidity transfers Data?report	2024-03- 8.50 IAC - Internal User Acceptance To
TARGET EL-SECURITIES CERATFF801 - NCE-AT-RangeS-AB			23
fulti-criteria search of a set of liquidity tran	sfers - details		
Reference information			
Liquidity transfer instructor reference	51309281		
End-to-End ID	StandingOrder01		
Status information			
Approval status	APPR		
Sottloment status	SNXE		
RIGS status	RNNE		
Tinteline information			
Entry timestamp	9999-01-01 00.00:000		
Settlement timestamp	2023-05-01 09:15:00 338		
Categorisation information			
Transfer type	ORJ		
Underlying transfer type	SLTO		
Settlement transaction category	LOTR		
Settlement transaction sub-category	LOTR		
Cash information			
Currency code	EUR		
Transfer amount	30,000.00		
Settled amount	0.00		
Value date			
Cash parties			
Debited party BIC	PMBKATFF801		
Debited account number	CSHAN8ATEUR01001		
Credited party BIC	External Party		
Credited account number	DEERTOSNBATE URD01		
NCB BIC	NCEKATFF801		
Process Information			
Partial settlement Rog	T		



TARGET 2-SECURITIES NCBKATFF801 - NCB-AT-Range8-AB

Multi-criteria search of a set of liquidity transfers - details

Reference information				
Liquidity transfer instructor reference	51310988			
End-to-End ID	000000051310988			
Status information				
Approval status	APPR			
Settlement status	SSET			
RTGS status	RNAP			
Timeline information				
Entry timestamp	9999-01-01 00:00:00.000			
Settlement timestamp	2023-06-06 11:45:01.629			
Categorisation information				
Transfer type	INLT			
Underlying transfer type	SLTO			
Settlement transaction category	TCAT			
Settlement transaction sub-category	LOTR			
Cash information				
Currency code	EUR			
Transfer amount	0.0			
Settled amount	2,323.0			
Value date	2023-06-06			
Cash parties				
Debited party BIC	PMBKATFF801			
Debited account number	CSHAN8ATEUR01002			
Credited party BIC	PMBKATFF801			
Credited account number	CSHAN8ATEUR01001			
NCB BIC	NCBKATFF801			
Process information				
Partial settlement flag	F			

#### Figure 415 - INX09 details screen

INX09 – Multi-criteria search of a set of liquidity transfers

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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	<ul> <li>Shows approval status of the liquidity transfer.</li> <li>Possible values: <ol> <li>APPR (Approved)</li> <li>AWAP (Awaiting approval)</li> <li>REJE (Rejected)</li> <li>REVO (Revoked)</li> </ol> </li> </ul>		
Settlement status	Shows the settlement status of the liquidity transfer. Possible values:  SNXE (Not executed)  SUNS (=Unsettled)  SPAS (=Partially settled)  SSET (=Settled)		
RTGS status	<ul> <li>Shows the RTGS status of the liquidity transfer.</li> <li>Possible values: <ol> <li>RNXE (Not executed)</li> <li>RNAP (Not applicable)</li> <li>RREJ (RTGS rejection)</li> <li>RCON (RTGS confirmation)</li> <li>RBOK (RTGS rebooking)</li> </ol> </li> </ul>		
	Timeline information		
Entry timestamp	Shows the date and the time the liquidity transfer entered or was generated in T2S. Displayed format: YYYY-MM-DD hh:mm:ss,ssss		
Settlement timestamp	Shows the date and the time of the attempted settlement in T2S. Displayed format: YYYY-MM-DD hh:mm:ss,ssss		



	Securities information				
Transfer type	Shows the direction of the transferred liquidity.				
	Possible values:				
	I IBLT (inbound liquidity transfer)				
	OTLT (outbound liquidity transfer)				
	INLT (internal liquidity transfer order)				
Underlying transfer type	Shows the type of the transferred liquidity.				
	Possible values:				
	SLTO (standing liquidity transfer order)				
	PLTO (predefined liquidity transfer order)				
	I ILTO (immediate liquidity transfer order)				
Settlement transaction category	Shows the settlement transaction category of the liquidity transfer.				
	Possible values:				
	LQTR (liquidity transfer)				
	TCAT (technical cash transfer)				
Settlement transaction sub-category	Shows the settlement transaction sub-category of the liquidity transfer.				
	Possible values:				
	LQTR (liquidity transfer)				
	LTAC (Liquidity transfer all cash)				
	EDLT (EoD liquidity transfer)				
	MPOR (monetary policy operation cash rebalancing)				
	CARL (corporate action cash rebalancing)				
	ALOP (auto-collateralisation liquidity optimization)				
	Cash information				
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.				
Value date	Shows the date at which the liquidity transfer becomes effective.				
	Displayed format is: YYYY-MM-DD				
Cash parties					
Debited account number	Shows the account number from which the liquidity is sent.				



Debited party BIC	Shows the BIC of the payment bank which owns the debited account.		
Credited account number	Shows the account identification or number to where the liquidity is sent.		
Credited party BIC	Shows the BIC of the payment bank which owns the credited account.		
NCB BIC	BIC of the NCB		
Process information			
Partial settlement flag	Shows if partial execution was possible or not.		
	Possible values:		
	F (false – partial not allowed)		
	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



RES01 - Detailed cash restrictions		
Date from:	* Nov 27, 2023	
Date to:	* Nov 27, 2023	
Currency:	* Currency Code ~	
	Keywords:	Choices:
	Input keywords here	→
	Select all	~ ~
	No Results	
Party BIC:		
-		
	Starts with any of these keywords $\!$	
	Case Insensitive Keywords:	Select all Deselect all Choices:
	Input keywords here	
	Select all	→ ←
	No Results	
T2S DCA number:		
	Starts with any of these keywords $$	
	Case Insensitive	Select all Deselect all

# Figure 416 - RES01 prompt screen



RES01 – Detailed cash restrictions – Prompt Screen		
Date From	You can select the date by clicking on the calendar.	
	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.	
	This field is mandatory.	



T2S Predefined reports T2S Restrictions (RES)

Currency	You can use this drop-down field to select the currency. 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. 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. This field is optional.

## **Screenshot**



Detailed cash restrictions

**RES01 - Detailed cash restrictions** 

Origin	Restriction type	Function	Settlement transaction sub-category	Volume of restrictions	Original value	Settled value
Business	Blocking	Decrease	BPDE	10	15,764.92	15,764.92
		Setup / increase	BPSU	1,857	1,633,508,159.23	1,633,508,134.23
			BPIN	24	21,936.00	21,936.00
	Reservation	Decrease	RPDE	159	153,980.20	86,580.20
		Setup / increase	RPSU	2,202	51,918,273.42	1,801,730.40
			RPIN	22	2,270,292.00	2,270,292.00
			Total Business cash restrictions	4,274	1,687,888,405.77	1,637,704,437.75
Technical	COSD Blocking	Decrease	COCP	271	1,800,201,904.00	1,800,201,904.00
		Setup / increase	COBR	879	10,601,322,842.00	10,601,322,842.00
			COBS	803	5,801,304,536.00	5,801,304,536.00
	End of day	Decrease	CORU	217	570,290.00	570,290.00
			EDRR	3,467	13,332,589,422.69	13,332,589,422.69
Total Technical cash restrictions			Total Technical cash restrictions	5,637	31,535,988,994.69	31,535,988,994.69
Usage	Use	Use	RESU	521	9,873,933.92	9,873,933.92
			Total Usage cash restrictions	521	9,873,933.92	9,873,933.92
				5,620	32,380,258,774.42	32,380,212,829.42
			Total cash restrictions	5,620	32,380,258,774.42	32,380,212,829.42
Total setup / increase			5,787	18,090,346,038.65	18,040,229,470.63	
Total decrease			4,124	15,133,531,361.81	15,133,463,961.81	
Total use		521	9,873,933.92	9,873,933.92		
	Total			16,052	65,614,010,108.80	65,563,780,195.78

#### Figure 417 - RES01 output screen



RES0 <sup>4</sup>	I – Detailed cash restrictions – Output Screen
Origin	<ul> <li>Describes a group of transaction sub-categories. Groups are:</li> <li>Business</li> <li>Technical</li> <li>Usage</li> </ul>
Restriction type	<ul> <li>Describes a restriction type within an origin. Restriction types are:</li> <li>Business</li> <li>Blocking</li> <li>Reservation</li> <li>Technical</li> <li>COSD blocking</li> <li>End of day</li> <li>Usage</li> <li>Use</li> </ul>
Function	<ul> <li>Describes a function within a restriction type. Functions are:</li> <li>Setup / increase</li> <li>Decrease</li> <li>Use (for Use restriction type only)</li> </ul>
Transaction sub-category	<ul> <li>The transaction sub-category of the restrictions for which the aggregations are performed. Values used, as per their origin and restriction type:</li> <li>Business</li> <li>Blocking</li> <li>BPIN, BPSU, BPDE</li> <li>Reservation</li> <li>RPIN, RPSU, RPDE</li> <li>Technical</li> <li>COSD blocking</li> <li>COBR, COBS, COCP</li> <li>End of day</li> <li>CORU, EDRR, RERV</li> <li>Usage</li> </ul>



	I Use	
	I CORT, RESU	
Volume of restrictions	Count of the number of cash restrictions found per sub-category.	
Instructed value	Sum over instructed values of the cash restrictions per sub-category	
Settled value	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' and 'Settled value' columns, within the origin 'Business'.	
Total technical cash restrictions	Sums for 'Volume of restrictions', 'Instructed value' and 'Settled value' 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' and 'Settled value' columns, to include all lines with the function 'Setup / increase'.	
Total decrease	Sums for 'Volume of restrictions', 'Instructed value' and 'Settled value' columns, to include all lines with the function 'Decrease'.	



Total use	Sums for 'Volume of restrictions', 'Instructed value' and 'Settled value' columns, to include all lines with the function 'Use'.
	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.

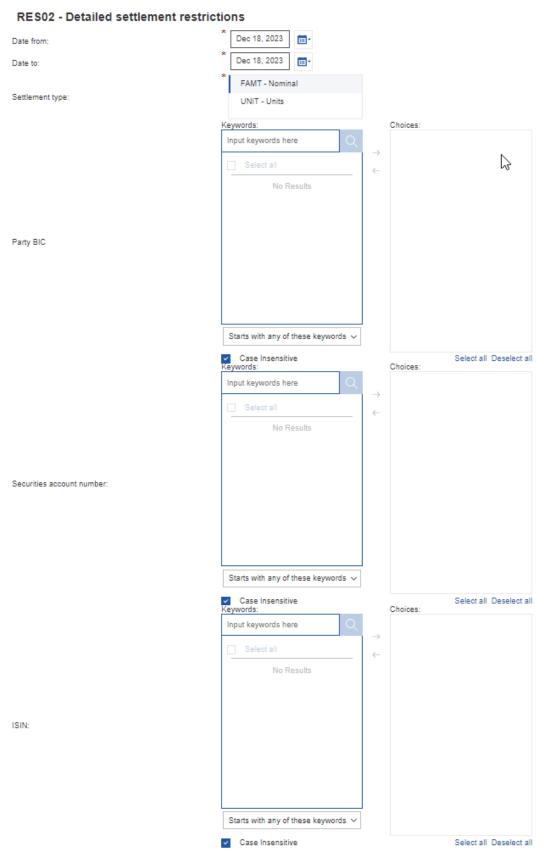
This report can be used by CSD users.

#### **Report Access**

This report can be reached in the following way:

Content >> Team Content >> T2S >> Predefined Reports >> RES - T2S Restrictions >> RES02





## Figure 418 - RES02 prompt screen



RES02 –	Detailed securities restrictions – Prompt Screen
Date From	You can select the date by clicking on the calendar. 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. This field is mandatory.
Settlement type	This selection specifies the quantity type of the settlement for the security, stated in the restriction transaction. Possible values: Unit Nominal 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. 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. This field is optional.
ISIN	The report output contains only settlement instructions with the selected securities. This field is optional.



Dusiness	DIOCKING	Setup / Increase	DFSU		1,000	1,000
		Total Busine	ess 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 419 - RES02 output screen

RES02 – Detailed securities restrictions – Output Screen		
Origin	Describes a group of transaction sub-categories. Groups are:	
	l Business	
	I Technical	
	I Usage	
Restriction type	Describes a restriction type within an origin. Restriction types are:	
	I Business	
	I Blocking	



	<ul> <li>Earmarking</li> <li>Reservation</li> <li>Technical</li> <li>Collateralisation (COLA)</li> <li>COSD blocking</li> <li>End of day</li> <li>Reverse Collateralisation (RCOL)</li> <li>Usage</li> <li>Use</li> </ul>
Function	<ul> <li>Describes a function within a restriction type. Functions are:</li> <li>Decrease</li> <li>Setup / increase</li> <li>Use (for Use restriction type only)</li> </ul>
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: Business Bucking BPDE, BPIN, BPSU Earmarking EPDE, EPIS Reservation RPDE, RPIN, RPSU Technical Collateralisation (COLA) SPLE (COLA) COSD blocking COSD blocking COBS, COCP End of day CORU Reverse Collateralisation (RCOL) SPLE(RCOL) Usage Use



	I 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



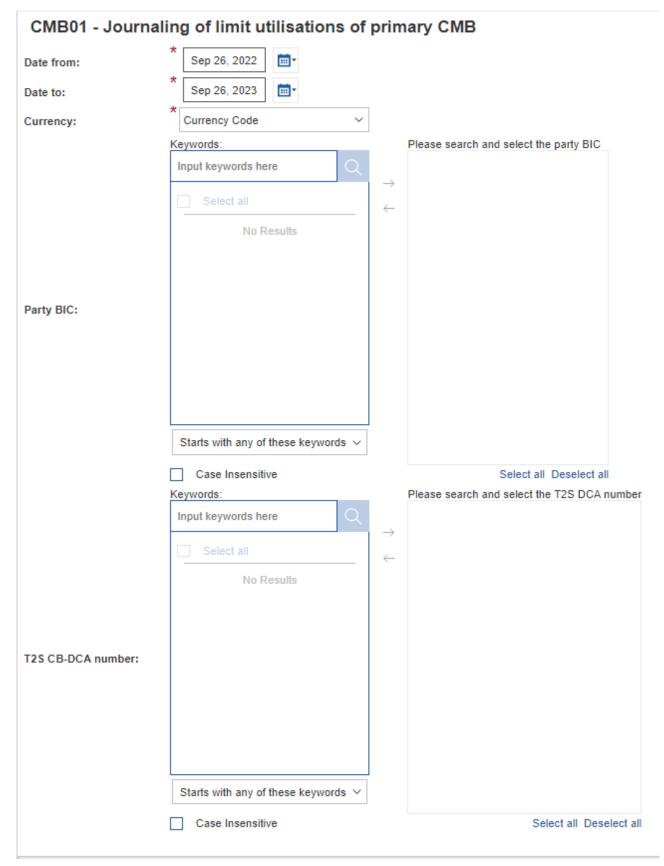


Figure 420 - CMB01 prompt screen



CMB01 – Journaling of limit utilisations of primary CMB – Prompt Screen	
Date From	You can select the date by clicking on the calendar.
	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.
	This field is mandatory.



Currency	You can use this drop-down field to select the currency. 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.
	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.
	This field is optional.



 $\label{eq:cmbound} \textbf{CMB01 - Journaling of limit utilisations of primary CMB}$ 

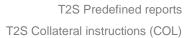
Filters Date from : 2022-09-26 Date to: 2023-09-26 Currency : EUR

Journaling of limit utilisations of primary CMB

	*** Invalid STT_TRN_CF	REA_BY (0) ***	Debit		Credit		Total	
CMB technical identifier	Volume of utalisations	Value used of utilisation	Volume of utalisations	Value used of utilisation	Volume of utalisations	Value used of utilisation	Volume of utilisations	Value used of utilisation
8615	1	0.00					1	0.00
8633	1	0.00					1	0.00
8638	1	0.00					1	0.00
8640	1	0.00					1	0.00
8645	1	0.00					1	0.00
8646	1	0.00					1	0.00
8652	1	0.00					1	0.00
8653	1	0.00					1	0.00
8658			1	15.00			1	15.00
8671	1	0.00					1	0.00
8673	1	0.00					1	0.00
8674	1	0.00					1	0.00
8698	1	0.00					1	0.00
8701	1	0.00					1	0.00
8708	1	0.00					1	0.00
8736	1	0.00					1	0.00
8737	1	0.00					1	0.00
8747	1	0.00					1	0.00
8760	1	0.00					1	0.00

#### Figure 421 - CMB01 output screen

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						
Au	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							
A	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).

This report can be used by CSD users.

#### **Report Access**

This report can be reached in the following way:

I Content >> Team Content >> T2S >> Predefined Reports >> COL - T2S Collateral instructions >> COL01





COL01 - Securities account - Follow-up by time schedule of collateralisation instructions - Prompt

Figure 422 - COL01 prompt screen

COL01 – Follow-up by time slot of settled collateralisation instructions – Prompt Screen								
Date From	You can select the date by clicking on the calendar.							
	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.							



	This field is mandatory.
Currency	Currency in which the amount of the collateral instructions must be denominated. 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. 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. This field is optional.
ISIN	The report output contains only settlement instructions with the selected securities. This field is optional.

	5			CO	L01 - Securities ac	count - Follow	-up by time	sch	edule of	collater	alisation inst	ructions		IAC - Internal User	2024-05-3 13:00:3 r Acceptance Tes
Filters Date from : 2 Currency : E	023-01-31 to: 2024-05-3	11													
	ip by time schedule of	collateralisat	tion instructio	ins											
					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 cutoff	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 cutoff	RT4 after intraday FOP cut-off	Total
	PLED	6	6	324	0	0	0	336	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COLA	REPO	20	56	472	0	0	0	548	29,220.00	73,940.00	1,392,478.00	0.00	0.00	0.00	1,495,638.00
COLA	SPLE	0	2	262	0	0	0	264	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total COLA	26	64	1,058	0	0	0	1,148	29,220.00	73,940.00	1,392,478.00	0.00	0.00	0.00	1,495,638.00
CORE	REPO	0	0	0	0	256	0	256	0.00	0.00	0.00	0.00	308,012.00	0.00	308,012.00
CORE	Total CORE	0	0	0	0	256	0	256	0.00	0.00	0.00	0.00	308,012.00	0.00	308,012.00
	PLED	0	10	52	0	274	0	336	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RCOL	REPO	0	12	178	0	324	0	514	0.00	13,200.00	144,200.00	0.00	329,672.00	0.00	487,072.00
NLUL	SPLE	0	0	38	0	226	0	264	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total RCOL	0	22	268	0	824	0	1,114	0.00	13,200.00	144,200.00	0.00	329,672.00	0.00	487,072.00
	Total	26	86	1 326	0	1.020	0	2 518	29 220 00	87 140 00	1 536 678 00	0.00	637 684 00	0.00	2 290 722 00





COL01 – Follow-up by ti	me slot of settled collateralisation instructions – Output Screen
Transaction category	<ul> <li>Shows the transaction category for which the collateralisation instructions are displayed from the possible values:</li> <li>COLA (Collateral)</li> <li>RCOL(Reverse collateral)</li> <li>CORE (Relocation)</li> </ul>
Transaction sub-category	<ul> <li>Shows the transaction sub-category for which the collateralisation instructions are displayed from the possible values:</li> <li>REPO (Repo)</li> <li>PLED (Pledge)</li> <li>SPLE (Sub-pledge)</li> <li>For Transaction category "CORE" only the transaction sub-category "REPO" is available.</li> </ul>
	Volume
<ul> <li>Time slots (one column per time slot):</li> <li>1 st NTS cycle</li> <li>Last NTS cycle</li> <li>RT1 before intraday DVP cut-off</li> <li>RT2 before EOD intraday credit reimbursement</li> <li>RT3 before EOD intraday FOP cut-off</li> <li>RT4 after intraday FOP cut-off</li> </ul>	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.
	Value Amount
<ul> <li>Time slots (one column per time slot):</li> <li>1st NTS cycle</li> <li>Last NTS cycle</li> <li>RT1 before intraday DVP cut-off</li> <li>RT2 before EOD intraday credit reimbursement</li> <li>RT3 before EOD intraday FOP</li> </ul>	The aggregated amount of finalised settled collateralisation instructions are displayed for each of the above time slots within transaction category and sub-category combination.



cut-off	
I RT4 after intraday FOP cut- offValue	
Value (Total)	Sum of 'Value' information over all time-slots within transaction sub-category.
	Totals
Total (per transaction category)	Sums of each 'Volume' and 'Value' column over all transaction sub-categories within transaction category.
Total (overall)	Sums of each 'Volume' and 'Value' 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 transaction type code, transaction category and transaction sub-category; and displayed by securities movement type and settlement status.

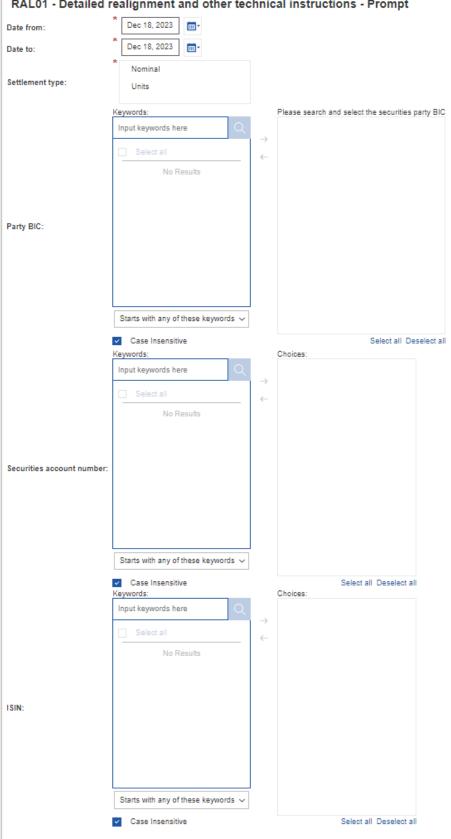
This report can be used by CSD users.

#### **Report Access**

This report can be reached in the following way:

I Content >> Team Content >> T2S >> Predefined Reports >> RAL - T2S Technical instructions >> RAL01





#### RAL01 - Detailed realignment and other technical instructions - Prompt

Figure 424 - RAL01 Prompt screen



RAL01 – Detailed re	alignment and other technical instructions – Prompt screen
Date From	You can select the date by clicking on the calendar.
	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.
	This field is mandatory.
Settlement type	This selection specifies the quantity type of the settlement for the security, stated in the instruction.
	Possible values:
	I Unit
	I Nominal.
	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. 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. This field is optional.
Securities ISIN	The report output contains only settlement instructions with the selected securities. This field is optional.

RAL01 - Detailed realig	gnment and other techn	ical instructions - volume	RAL01 - Detailed realignment a	and other technical instructions - qu	antity					
ts				RAL01	– Detailed realign	mer	nt and other techn	ical instructions		
TARGET - SECURITIES CSDYATFF801 - CSD-AT-	Panga8 AB									
Settlement type : I		-18								
Detailed realignment an	nd other technical inst	ructions - volume								
				RECE				Total		
Transaction type code	Transaction category	Transaction sub-category	Totally settled settlement volume	Partially settled/cancelled volume	Totally cancelled settlement volume	Total	Totally settled settlement volume	Partially settled/cancelled volume	Totally cancelled settlement volume	Total
FOP	REAL	REAL	16	0	5	21	16	0	5	21
Total			16	0	5	21	16	0	5	21

# Figure 425 - RAL01 output screen, tab 1

RAL01 - Detailed realignment and other technical instructions - volume RAL01 - Detailed realignment and other technical instructions - quantity										
RAL01 – Detailed realignment and other technical instruction										
CSDYATFF801 - CSD-AT	Range8 - AB									
Filters Settlement type : Date from	Jnits 2021-01-18 to: 2023-12-	18								
Detailed realignment ar	d other technical instr	ructions - quantity								
					RECE			Tot	al	
Transaction type code   Transaction category   Transaction sub-category   Instructed quantity   Quantity totally settled   Quantity partially cancelled   Quantity totally category   Instructed quantity   Settled Quantity = Context   Settled   Quant										
FOP	REAL	REAL	312	228	0	0	84	312	228	
Total			312	228	0	0	84	312	228	

#### Figure 426 - RAL01 output screen, tab 2



RAL01 – Detailed realignmer	nt and other technical instructions – OUTPUT SCREEN Tab 1 - volume
Transaction type code	<ul> <li>Shows the settlement transaction type code set during the selected period duration of time from the possible values:</li> <li>I DVP (delivery versus payment)</li> <li>I DWP (delivery with payment)</li> <li>I FOP (free of payment)</li> <li>I PFOD (payment free of delivery)</li> </ul>
Settlement transaction category	<ul><li>Shows the category of the settlement transaction from the possible values:</li><li>REAL (realignment)</li><li>COTF (conditional technical FOP)</li></ul>
Settlement transaction sub-category	<ul> <li>Shows the subcategory of the settlement transaction from the possible values:</li> <li>REAL (realignment)</li> <li>PLED (pledge)</li> <li>REPO (repurchase order)</li> <li>COBS (CoSD blocking position setup)</li> <li>STND (standard)</li> </ul>
	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.
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.							
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.							
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 across movement types	(per transaction type / transaction category / transaction sub-category)							
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.							
Total	Sum of the 'Total' over all DELI and RECE security movement types, per transaction type / transaction category and sub-category.							
	Total							
Total	Sum of the volumes over all transaction type codes, for each column of the report as above.							

RAL01 – Detailed realignment	RAL01 – Detailed realignment and other technical instructions – OUTPUT SCREEN Tab 2 - quantity								
Transaction type code	<ul> <li>Shows the settlement transaction type code set during the selected period duration of time from the possible values:</li> <li>DVP (delivery versus payment)</li> <li>DWP (delivery with payment)</li> <li>FOP (free of payment)</li> <li>PFOD (payment free of delivery)</li> </ul>								
Settlement transaction category	<ul> <li>Shows the category of the settlement transaction from the possible values:</li> <li>REAL (realignment)</li> <li>COTF (conditional technical FOP)</li> </ul>								
Settlement transaction sub-category	<ul> <li>Shows the subcategory of the settlement transaction from the possible values:</li> <li>REAL (realignment)</li> <li>PLED (pledge)</li> </ul>								



	<ul> <li>REPO (repurchase order)</li> <li>COBS (CoSD blocking position setup)</li> <li>STND (standard)</li> </ul>
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.
	RECE
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.
Total across movement types (	per transaction type / transaction category / transaction sub-category)
Original quantity	Sum of 'Original quantity' for 'DELI' and 'RECE' per transaction type / transaction category and sub-category.



Quantity settled (totally settled + partially settled)	Sum of 'Quantity totally settled' plus 'Quantity Partially settled'' for 'DELI' and 'RECE' per transaction type / transaction category and sub-category.				
Total					
Total	Sum of the quantities over all transaction type codes, for each column of the report as above.				

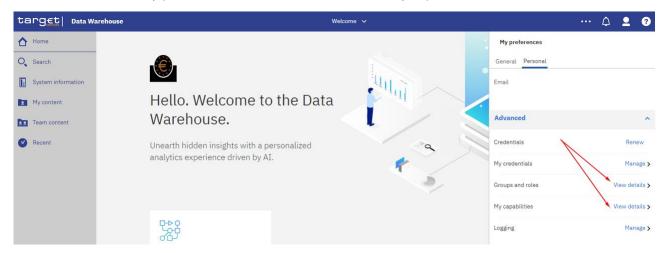


# 7 Understanding user rights and access rights (advanced users)

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:

- I Personal menu > My preferences > Personal > Advanced > Groups and roles > View details
- Personal menu > My preferences > Personal > Advanced > My capabilities > View details



#### Figure 427 - Groups and roles and capabilities

Based on the above attributes a two level security is defined in the DWH:

- I Functional security
- I 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.



User groups	Can be assigned to party type	DWH Role	Description
Normal	Central Bank Payment Bank 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 136 - 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 subfolders, 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.

I Predefined Reports (visible to all users)

Contains all predefined reports grouped in sub-folders in the hierarchy of chapter <u>Predefined reports</u> [▶ 151]. Only those predefined reports are visible to the user, which are accessible to his user group (according to his party type). See chapter <u>Predefined reports</u> [▶ 151] 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:

te	ng <u>et</u>   Data Wa	arehouse	Weld	come	~
≏	Home	Team content > Predefined Reports > TRN - Transaction Reports	0	Ŧ	↑↓
0,	Search	TRN01 - Cash transfer (order) search and details 3/23/2021 3:42 PM			
	System information	TRN01 - Cash transfer (order) search and details - target 4/12/2021 1:51 PM			
	My content	TRN02 - Monthly overview of domestic and cross-border payments 3/29/2021 10:57 AM			
	Team content	TRN03 - Monthly peak day and peak hour in terms of value and volume of cash trans 4/7/2021 1:10 PM	fer orders		
Ø	Recent	TRN04 - Cash transfers per time band and per CB 4/14/2021 1:06 PM			
		TRN05 - Monthly overview of cash transfer orders per party 3/23/2021 4:20 PM			
		TRN06 - Monthly share of Indirect Participant, addressabl as part of total Direct Pa 4/14/2021 5:17 PM	articipant's acti	ivity	
		TRN07 - Cash transfers between two accounts of different parties 4/14/2021 5:17 PM			
		TRN08 - Business Activity of a party/parties 4/14/2021 1:24 PM			
		TRN09 - RTGS Account Holder activity 4/14/2021 1:26 PM			
		TRN10 - Monthly value and volume of cash transf CLM/RTGS (according to T2 stat 4/7/2021 4:34 PM	istical framewo	ork)	
		TRN11 - Monthly value and volume of cash transfers between system entities 4/6/2021 9:58 AM			

Figure 428 - Functional security - Central Bank user

A Payment Bank user can see the following reports:



Understanding user rights and access rights (advanced users)

Data security

target Data	Warehouse
A Home	Team content > Predefined Reports > TRN - Transaction Reports O Y 1
C Search	TRN01 - Cash transfer (order) search and details 4/19/2021 12:59 PM
System information	TRN01 - Cash transfer (order) search and details - target 4/12/2021 1:51 PM
My content	TRN02 - Monthly overview of domestic and cross-border payments 4/19/2021 10:56 AM
Team content	TRN03 - Monthly peak day and peak hour i value and volume of cash transfer orders 4/16/2021 2:24 PM
Recent	TRN05 - Monthly overview of cash transfer orders per party 3/23/2021 4:20 PM
	TRN06 - Monthly share of Indirect Particip as part of total Direct Participant's activity 4/19/2021 11:11 AM
	TRN08 - Business Activity of a party/parties 4/19/2021 11:25 AM

#### Figure 429 - Functional security - Payment bank user

An Ancillary System user can see the following reports:

te	arg€t  Data W	arehou	se			
≏	Home	60	Team content > Predefined Reports > TRN - Transaction Reports	0	Ŧ	î↓
0,	Search		TRN01 - Cash transfer (order) search and details 4/19/2021 12:59 PM			
	System information		TRN01 - Cash transfer (order) search and details - target 4/12/2021 1:51 PM			
	My content		TRN03 - Monthly peak day and peak hour i value and volume of cash tran 4/16/2021 2:24 PM	sfer or	ders	
••	Team content					
Ø	Recent					

Figure 430 - 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:

- I 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.
- I 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.



# 8 Creating reports (just advanced users)

targe

Create a report by clicking the "**Open menu**" icon (**Den menu**") 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.

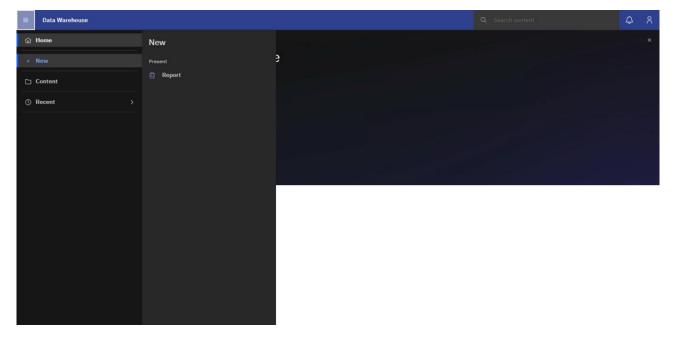


Figure 431 - Creating reports - Welcome page – Open menu - New - Report

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.



Creating reports (just advanced users)

The user interface

Data Warehouse	Content 🗸	Q Search content Q
	llary System Reports	Û : î î Now +
Team content / Predefined	J Reports / ANS - Ancillary System Reports	More + Add shortcut 🎓 Properties 🌫 Details 🛈   Cancel
ANS01 - Overview of orders Last Accessed 2/9/2022, 11:44 AM	AS transfer Run as Edit report is Create report view View versions Share Copy to Add shortcut Properties Details	

Figure 432 - 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.

≡	Data Warehouse 🔓 New report 🗸	New report V Q Search corr		tent			1	ቆ ዳ
	Edit □ × % to c* ▷ ×	← → Report > Pages > [] Page1		i	A	Page design ∨	:	C Properties
0	Insertable objects	∰ :						
	*B & +	Double-click to edit text           Double-click to edit text	☐ Date ③ Time > Drop item here to show a single value					
	Select a source Select a data source to use with your report. Select a source +	Trop item here to show a single value     +	1			perties object to see its p	ropert	ies
		> Drop item here to show a single value Double-click to edit text	Page: 🔓 1 of 3					

Figure 433 - The user interface- Creating a report



Reporting icon	Description
Report > Pages > [] Page1	Navigation menu
°te	Data source
Select a source Select a data source to use with your report. Select a source +	Data items The first Symbol is only visible if you did not select a source. Than you can select the source you need from the team content.
R.	Toolbox
<ul> <li>Convert to Active Report</li> </ul>	Save as Convert to Template Convert to Active Report
Edit Edit	Toggle between editing the report and viewing the report. <b>Tip:</b> 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



<ul> <li>▶ ✓ ← →</li> <li>Run HTML</li> <li>Run PDF</li> <li>Run Excel</li> <li>Run Excel data</li> <li>Run CSV</li> <li>Run XML</li> <li>Show run options</li> </ul>	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.
	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.
C	Refresh the report using the same prompt values. Appears only in view mode. <b>Note:</b> To ensure that the data is refreshed, disable the "Use local cache" property in the properties for the query.
<ul> <li>New report</li> <li>New report</li> <li>New report</li> <li>Content</li> </ul>	Switch between the Welcome page and other views that you have open in the DWH GUI.
E Filters Clear parameter values	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.
8	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 " <b>Product Name</b> ". You want to insert a graphic inside the " <b>Product Name</b> " column to show



	an image of each product. Unlock the list to insert the image object inside a list column.
Page design : Page design Page preview Page structure	Switch between page design, page preview, or page structure view.
Page design ∨ : S Properties	When you click on the " <b>More</b> " icon (
Open report from clipboard	options are available to choose:
Copy report to clipboard	Open report from clipboard
	Copy report to clipboard
Clear parameter values	Visual aids
Visual aids •	Find
Q Find	Validate report     Validate options
Validate report	Auto correct
Validate options	Layout component cache
Auto correct	Manage conditional styles
Layout component cache	Show generated SQL/MDX
Manage conditional styles	Add shared set report
	Manage Shared Set Reports
Show generated SQL/MDX	Manage Shared Set References
Add shared set report	Show specification
Manage shared set reports	Options
Manage shared set references	
M Show specification	
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.
Q Find	You can quickly locate specific objects in a report by using "Find".
<ul> <li>Validate report</li> </ul>	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.
M Show specification	A report specification is an XML file that you can view.
Options	Please see Chapter " <b>Options in Reporting</b> " for detailed information.
rst 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 137 - 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.



Creating reports (just advanced users)

The user interface

	Data Warehouse 🛗 New report 🚿																				ф,
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	Select a source																Foregro				
	Select a data source to use with your report.	"									+							& TEXT			
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### Figure 434 - 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.

Data Warehouse 🔛 New report 🗸				: Q P
] 🌑 Edit 🖺 🗸 🧠 🕁 더 ▷ ✓	← → Report > Pages > 🗅 Page1		A Page design $\sim$	: 😒 Properti
Insertable objects	〒 % ℃ ∅ ∥ ~ ७ ≙ ~ ▷ ≪ :		Page	
"It       It       It <t< td=""><td>Double eliek to edit tout</td><td>Date O Time Drop item here to show a single value</td><td>Conditional styles     Style variable     Conditional styles     Style variable     Aender variable     V DATA     Query     Master detail relationships L     Properties     GENERAL     Pagination     PDF page setup     Module path     V BOX     Border     Margin     COLOR &amp; BACKGROUND     Background image     Background color     Foreground color</td><td>Inavailable</td></t<>	Double eliek to edit tout	Date O Time Drop item here to show a single value	Conditional styles     Style variable     Conditional styles     Style variable     Aender variable     V DATA     Query     Master detail relationships L     Properties     GENERAL     Pagination     PDF page setup     Module path     V BOX     Border     Margin     COLOR & BACKGROUND     Background image     Background color     Foreground color	Inavailable
			Gradient V FONT & TEXT Font	

Figure 435 - 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.

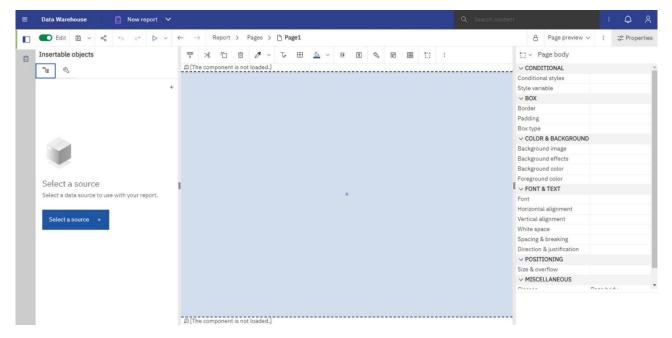
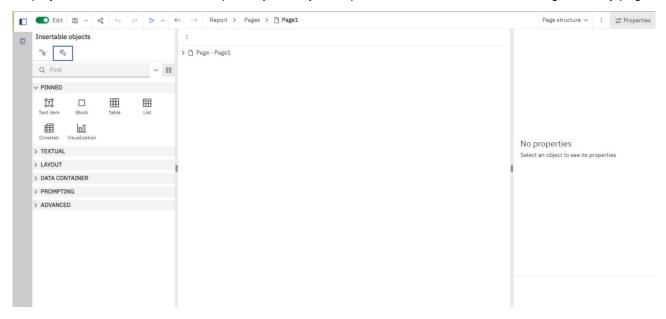


Figure 436 - The user interface - Page structure preview

Here it looks the same as the design view, but you cannot add objects (plus symbol) here.

#### 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 437 - The user interface - Page structure view



<u>Create a report</u> [ 637] 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 438 - 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.

m 1

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



	8	Page	e design 🗸	:	₽ Properties
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			Copy repor	t to clip	oboard
	Conditional		Clear parar	neter v	alues
	Style variat		Visual aids		
-	✓ BOX		visual alds		,
~	Border	Q	Find		
	Padding	0	Validate re	port	
	Box type		Validata an		
	V COLOR &		Validate op	nons	
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	✓ FONT &		Show gene	rated S	QL/MDX
	Font		Add shared	d set re	port
	Horizontal :		Manada		
	Vertical alig		Manage sh	ared se	et reports
	White spac		Manage sh	ared se	et references
	Spacing & t	X98L	Show spec	ificatio	n
	Direction &			99.0.7960.000	
	~ POSITIC		Options		

## Figure 439 - On-demand toolbar - More icon

Click the "**More**" icon ( ).



Options					
View	Edit	Report	Advanced		
💽 Sho	w new da	ta container	dialog		
💽 Reu	se IBM C	ognos Viewe	r window		
Sho	w on dem	and toolbar	on right-click		
Start page					
Page des	ign	~			
		Cancel	Apply	ок	

Figure 440 - 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.

<u>"Cut" ( <sup>3</sup> ), "Copy" ( <sup>1</sup> ), "Paste" ( <sup>1</sup> ) and "Delete" ( <sup>1</sup> )</u>

Cut, copy, paste, or delete an object

"Filters" ( )

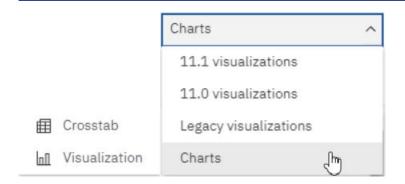
Click the "Filters" icon to add, edit, or delete filters or add filter text to the visualization

## <u>"Swap rows and columns" (</u>

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

10 "Font" (

Edit the font for an object

<u>"Border" (</u>)

Apply a border. You can choose the style, width, and colour.

"Background colour"

Apply a background colour

<u>"Horizontal alignment" (</u>

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

<u>"Insert table" (</u>

Insert a table

"Select ancestor" ( )

Select the layout component that is the ancestor of our current selection.

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→ 👷 Enterprise Data Warehouse (Model)		<user bic="" pa<="" td=""><td>arty&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td>I Table</td><td></td></user>	arty>							I Table	
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						1				Dentere	

Figure 441 - On-demand toolbar - Select ancestor

Ja

# <u>"More" (</u>)

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 " <b>Find</b> " field (	Q	Find	). As you type,	the	items tha
match your search string appear in the tab.					

All the items in the "**Sources**" tab (———) have an icon that describes the item purpose.

000	Package
2	Namespace
	Folder
2	Dimension
R	Hierarchy
ж	Level
	Member
Ħ	Query Subject
abc	Character
L	Measure
#	Integer
0	Date / Time

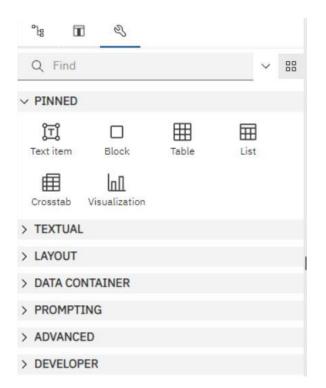
## Figure 442 - Sources tab - Sources items

## 8.1.3 Data items tab

The "**Data Items**" tab ( ) shows the queries in the report.



## 8.1.4 Toolbox bar



#### Figure 443 - 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**".



The user interface

		🛱 Date	~ CONDITIONAL	
	Daubla aliak ta adit taut	() Time	Conditional styles	
arget	Double-click to edit text	Drop item here to show	Style variable	
Services 1	Double-click to edit text	a single	✓ DATA	
		value	Data format	
Drop item here to show a si	ngle value		✓ BOX	
			Border	
	Columns		Padding	
			Box type	
			✓ COLOR & BACKGROUND	
			Background image	
			Background effects	
> Rows	> Measures		Background color	
			Foreground color	
			✓ FONT & TEXT	
			Font	
			Horizontal alignment	
			Vertical alignment	
			White space	
			Spacing & breaking	
			Direction & justification	
			~ POSITIONING	

#### Figure 444 - Toolbox bar - Properties Pane

Search through the objects by typing a value in the "**Find**" field ( ). 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 ).



## 8.1.5 Report overview pane

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	💽 Edit 🖺 🗸	5 5 c	▷ ~	$\leftarrow \rightarrow$	Report 🔨 Pages > 🕒 Page1
	Insertable objects ™a & Q Find		~ 88		<ul> <li>Report</li> <li>Pages</li> <li>Page1</li> <li>Prompt pages</li> </ul>
	✓ PINNED 算 Text item □ Block Ⅲ Table Ⅲ List ⑪ Crosstab 屾 Visualization			<b>▶</b> Dro	<ul> <li>Queries</li> <li>RunEnvironmentQry</li> <li>BICDetailsQry</li> <li>UserInfoQry</li> <li>Classes</li> </ul>
	V TEXTUAL		_		لا مو Variables

### Figure 445 - 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.



Creating reports (just advanced users)

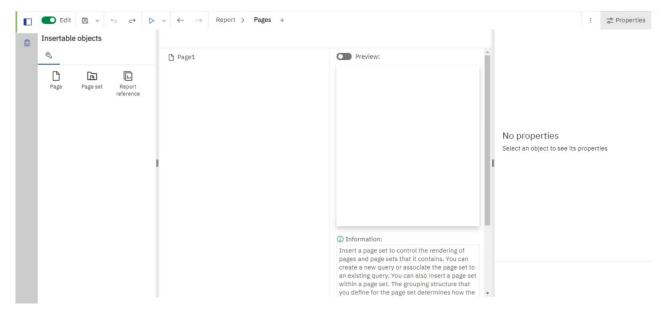
The user interface

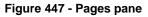
Insertable objects	•					Report	
	Proventing to a second		- NATURE ANALY			V RUNNING & VALIDATING	
	Description:		Sources:			Burst options	
			No sources referenced i	n this report		Run with full interactivity	
						✓ STYLE	
						Report styles reference	
			* Indicates the default so	urce		V REPORT	
						Language	English (
	Parameters:					Name	
						Report styles version	11.4
						Page break for interactive HTML	
	I					View pages as tabs	
						Optimized tab rendering	
						Paginate saved HTML output	
						Use 1.x CSV export	
						Group repeating cells - export to E	Excel
						PDF page setup	
						Conditional layouts	
						Enable on-demand toolbar	
					Clear parameter	✓ DATA	
						*	
	Counts:						
	Report Object	Count	Page Object	Count			

Figure 446 - Report overview pane - Validate report

## 8.1.6 Pages pane

Click on "**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.

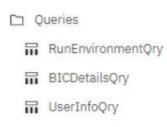






## 8.1.7 Queries pane

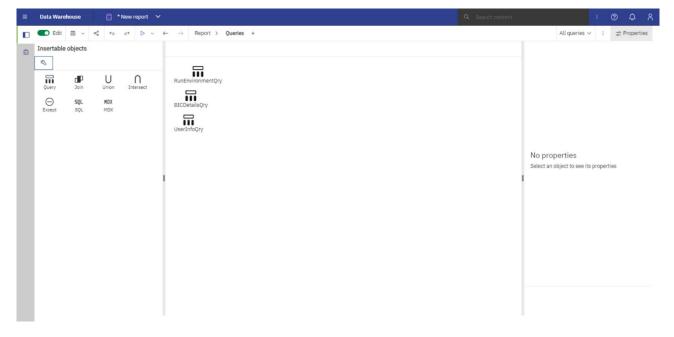
Click on (



) 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.



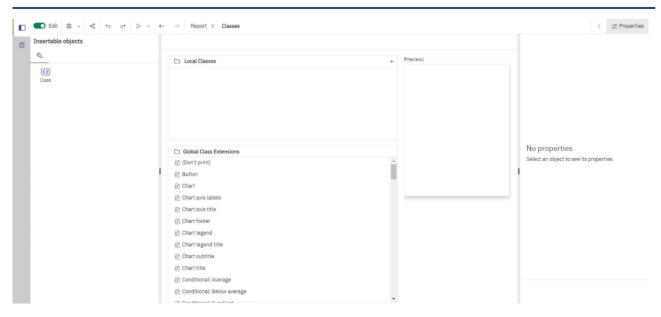
### Figure 448 - Queries pane

## 8.1.8 Classes pane

Click on "**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.



The user interface

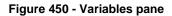




## 8.1.9 Variables pane

Variables Click on "Variables" ( ) to add a variable that has values in a different language, values as strings, and values in Boolean.

=	Data Warehouse	🖺 * New report 🗸							¢	
	💽 Edit 🖺 🗸	∞ ⇔ ⇔ ⊳ ∽	← → Report > Variables				1	-	Propertie	es
	Insertable objects		6							
	es		₽ Variables	+	🗅 Values					
	Ag∓ (a) Report Lungunge Vernable Vernable	● Boolean Veriabile		-	+ ∠ ⊠ °₀ ⊙	No properties Select an object to see it I	s proper	ties		



## 8.1.10 Filters pane

Y ) available when the user runs the report in HTML. It displays all filters that are The Filters pane is ( 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

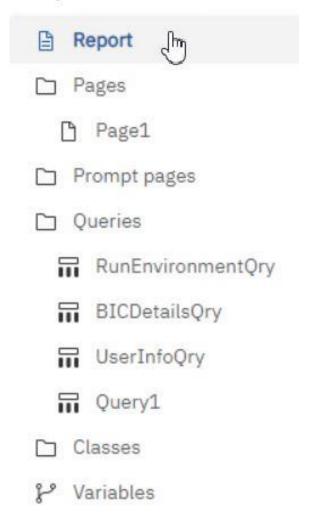
The properties pane lists the properties that you can set for an object in a report or for the entire report. The properties that are displayed vary depending on the type of object. When you specify a value for a property, press "Enter", click another property, or save the report to ensure that the value is saved. Click on (

) to show or hide the properties pane.

At the "**Report**" level, you can set the following properties:



# Report ^



## Figure 451 - 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



## **Burst options**

×

## Make report available for bursting

Burst Recipient	
Query:	
Data Item:	
Туре:	
Master detail relationships:	
	÷
	Query: Data Item: Type:

Cancel	ок

## Figure 452 - 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

### <u>Style</u>

Apply local and global styles from another report

### <u>Language</u>

Specifies the language package

### <u>Name</u>

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

#### 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:

- I 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.

I Identify horizontal bands of information.

Look for natural bands of information running across the page. Each of these bands typically translates into a block.

I 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.

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 (

I 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**".



Creating reports (just advanced users)

Report Layout, queries and objects

$\bigcirc Edit  \textcircled{B}  \lor  \Leftrightarrow  \vartriangleright  \bigtriangledown  \checkmark  \leftarrow  \rightarrow$	Report > Pages >	🗅 Page1									Page structure	- :	😒 Proper
Insertable objects	% E E · · D	ð ~ To	⊞ 🎍	× 3	۲	< 8	⊞	ta	1	ta v	Page body		
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> TEXTUAL											ound color		
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> DATA CONTAINER										Font			
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> PROMPTING											l alignment		
> ADVANCED										White s			
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## Figure 453 - 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.

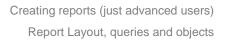


- ✓ □ Page Page1
  - ✓ ➡ Page header
    - - ✓ ☐ Component Override
        ⑦ Double-click to edit text
      - - 近 Double-click to edit text
      - ∽ 💭 Component Override
        - Singleton
      - ✓ ☐ Component Override
        - 🚍 Singleton
  - ✓ ₽ Page body
    - ∼⊞ Table
      - ∽ 🎛 Table row
        - ∽ 🔠 Table cell
          - ∽ ⊞ Table
            - ✓ Ⅲ Table row
              - ∽ 🔣 Table cell
                - > III List
              - ∽ 🔠 Table cell
                - > [n] Visualization
      - > 📰 Table row
  - ✓ ➡ Page footer
    - - - Singleton
      - 🗸 🞵 Component Override
        - 訂 Double-click to edit text

## Figure 454 - The Function of the page structure view

## Use the "Page structure" view:

- I 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.



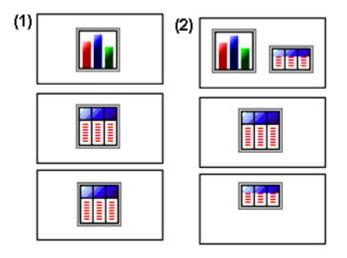


## 8.2.1.2 Pages

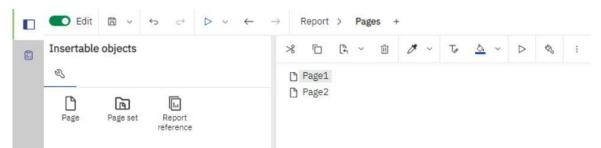
Pages are containers for the layout objects that you use to build a report. A page is made up of the following mandatory and optional components:

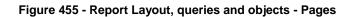
- l page header (optional)
- l page body (mandatory)
- l page footer (optional)

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.





It is necessarily to create two pages for this approach.



Creating reports (just advanced users)

Report Layout, queries and objects

Insertable objects	₩ % C K × 0 10 :		
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📆 Text item		Data	
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I List		Drop item here	
ff Crosstab		in the second seco	
h] Visualization		L Length *	
LAYOUT		Drop item here	
DATA CONTAINER	1	<ul> <li>Color</li> </ul>	
PROMPTING	Drop data items here to	Drop item here	
ADVANCED		Extra Data	
ADVANCED		Drop item here	

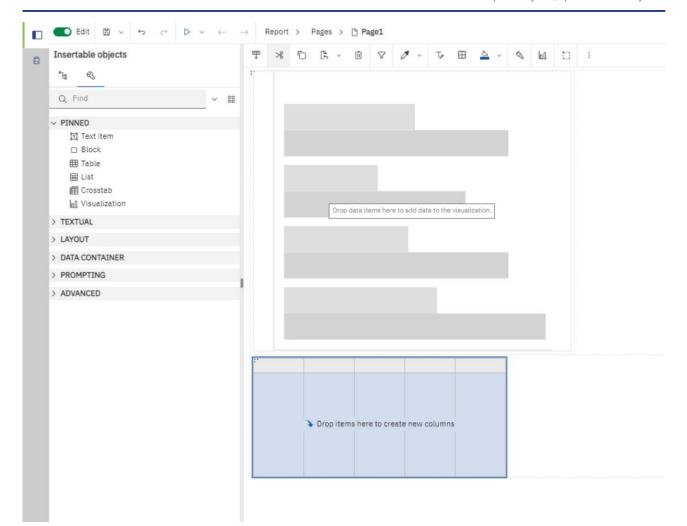
Figure 456 - Report Layout, queries and objects - Pages - First page

Edit B v ↔ ↔ ▷ v	← -	÷	Report	> F	Pages >	D Pa	age2									
Insertable objects		щ.	*		[ <sup>1</sup> <sub>4</sub> ] ~	Û	8	ð	~	Tø	⊞	0	~	\$ hl	to	1
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> TEXTUAL																
> LAYOUT																
> DATA CONTAINER																
> PROMPTING																
> ADVANCED																

## Figure 457 - 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 458 - 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:

- I Visual indicators that show you where an object is going to be placed before you drop it on to the canvas.
- I 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.
- I You can place objects on the left, in the middle, right, top, or bottom of a container with one gesture.
- I Tables use percentage sizing which ensures that different screen resolutions are supported.
- I You can resize an object by dragging one of its grippers.
- I 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.

1. Click on the " <b>More</b> " icor	n ( ), click or	n " <b>Options</b> " icon(	Options	), and then click on the Report
tab.				
Options		×		
View Edit Report Advance	d			
<ul> <li>Alias member unique names</li> <li>Delete unreferenced query objects</li> <li>Delete unreferenced conditional style</li> <li>Table Style inheritance</li> <li>Automatic group and summary behad</li> <li>Automatically create crosstab heade</li> <li>Enable recommended visualizations</li> <li>Enable guided report layout</li> <li>Limit on inserted individual children member 20</li> </ul>	vior for lists rs for sets			
Cancel A	oply OK			

#### Figure 459 - 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.



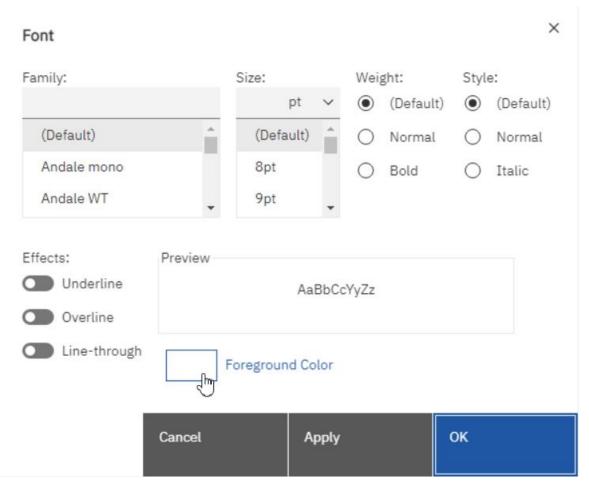
Do one of the following:

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 460 - 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.

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.

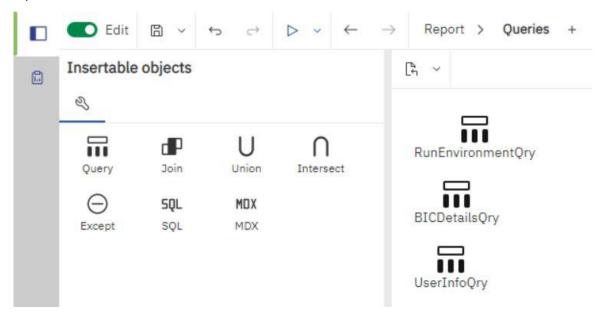


Figure 461 - Queries - Query example of Eurosystem2 template

## 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.



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			Regions ~	
			Locations *	
			Drop item here	
Credit Line Weighted Average Amount	Credit Line Minimum Amount in Interval	Credit Line Maximum Amount in Interval	Docation color	
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<credit line="" weighted<br="">Average Amount&gt;</credit>	<credit line="" minimum<br="">Amount in Interval&gt;</credit>	<credit line="" maximum<br="">Amount in Interval&gt;</credit>	Location extrusion height	
<credit line="" weighted<br="">Average Amount&gt;</credit>	<credit line="" minimum<br="">Amount in Interval&gt;</credit>	<credit line="" maximum<br="">Amount in Interval&gt;</credit>	Extra Data	ż
			Drop item here	
				_

Figure 462 - 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**

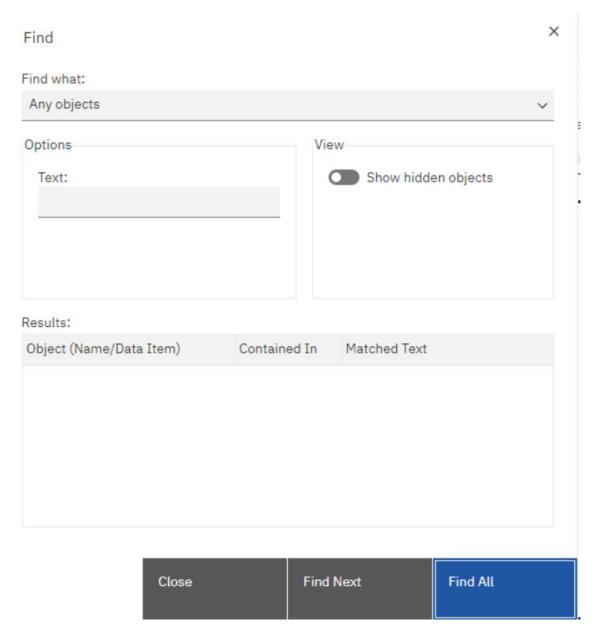
You can quickly locate specific objects in a report by using "Find":

- Click the "**More**" icon (
- I Click "Find" ( C Find... ).



1	Click "Find what"	Find what: ( Any objects ) and choose the type of objects	ect to find.
		Options	
		Text:	
i.	In the " <b>Options</b> " (		) 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 463 - Report objects - Find - Find objects in the query



I		jects that are hidden in th hidden objects check box		box (	len objects ),
		Find All	Find	d Next	
L	Click "Find All" (		) or " <b>Find Next</b> " (	).	
All	objects that mee	t the search criteria are li	sted under " <b>Results</b> "(		ject that meets
				Find Next	
the	e search criteria is	highlighted in the list. Co	ntinue clicking "Find Ne	ext"(	) 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.



°ta 🔟 🔍	
Q Find	~ 88
> PINNED	
> TEXTUAL	
> LAYOUT	
V DATA CONTAINER	
🖬 Data table	
III List	
E Crosstab	
Visualization	
🕑 Map Manager Map	
Repeater table	
🖴 Repeater	
Singleton	
> PROMPTING	
> ADVANCED	

## Figure 464 - 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



°te 🔟 🖏		
Q Find	~	00
> PINNED		
V TEXTUAL		
]न्नू Text item		
Query calculation		
[III] Layout calculation		
↔ Rich text item		
@ Hyperlink		
💾 Date		
() Time		
Page number		
Row number		
(O) As-of-time expression		
> LAYOUT		
> DATA CONTAINER		
> PROMPTING		
> ADVANCED		

## Figure 465 - 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.

°ta 🔟 🔍	
Q Find	~ 88
> PINNED	
> TEXTUAL	
V LAYOUT	
Block	
I Table	
cato Field set	
⊠ Image	
> DATA CONTAINER	
> PROMPTING	
> ADVANCED	

### Figure 466 - 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 (
- I If you want to make changes to a style that you copied, click the "Pick-up style options" button (

\*

) and click "Edit dropper style" (

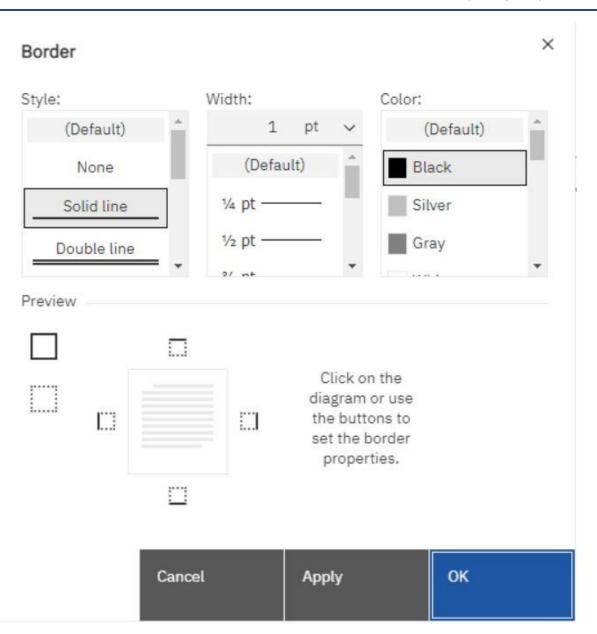
In the Style dialog box, specify basic and advanced style characteristics.

## 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 (  $\square$  ).





## Figure 467 - 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.

✓ BOX

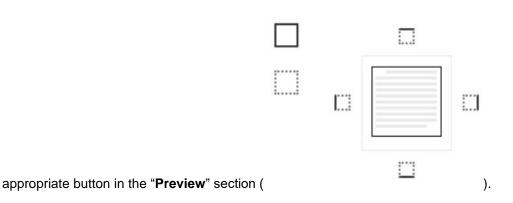
In the Properties pane, double-click the "**Border**" property (<sup>Border</sup>) and select values in the Colour, Style, and Width boxes.

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



# 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:

- I If you think about your data as tables and columns, you have a relational viewpoint and should use a relational reporting style.
- I 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.

I 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.



°le

I 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.

✓	
L Number of Transactions	Drop item here to show a single value
E Amount	Year Number of Transactions
() Calendar Date	<year> <number of="" transactions=""></number></year>
> 🗀 Technical Data	<year> <number of="" transactions=""></number></year>
> E Currencies	<year> <number of="" transactions=""></number></year>
✓	
() The Date	I
# Day of the Week (Number)	
abc Day of the Week	

#### 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.

움 Settled Cash Transfers per 15 min Information			<#Year#>		<#Year#>	
> 🖽 Settled Cash Transfers per 15 min			<#Month (Short)#>	<#Quarter (Number)#>	<#Month (Short)#>	<#Quarter (Number)#>
> E Currencies	<#Party	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#
>   Date	Country#>	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#
> III Time	" <#Party	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#
→ 🖽 Party	Country#>	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#
abc Party BIC						
abc Party (Short)						
abc Party						

Figure 469 - 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**

I Click the "Toolbox" icon (\_\_\_\_\_) and drag "Query calculation" ( Guery calculation ) to the report.

Q Find	~	80
> PINNED		
✓ TEXTUAL		
រុំៗ Text item		
🛱 Query calculation		
[II] Layout calculation		
T Rich text item		
@ Hyperlink		
🛱 Date		
() Time		
🕆 Page number		
🖽 Row number		
(O) As-of-time expression		
> LAYOUT		

Figure 470 - Insert a Query Calculation



>

#### Data item expression - Data Item1

Name: Data Item	1		
Available Componen	its:	E	♥   ≫ ि ि ⊖ xpression Definition:
∨ Streen Enterprise D > 皆 Business	ata Warehouse (Mode View	4	) Information:
°ta 🔟 🖬	(j) (i)	0	Tips Errors
Cancel			ОК

#### Figure 471 - Insert a Query Calculation - Specify Query Calculation

I 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.

	Name:	Data Item1			
I.	In the " <b>Name</b> " box(		 ), ty	ype 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.

- I 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"

	Ś	+													
	۷	iew													
button (		Sho	w m	embe	rs only	for di	mensio	onal pa	ackages	) and	l than	select	"Show	me	mbers

only for the dimensional packages" (left one) if you want to select only one item or the "Insert" button ( Insert

Individual members

Create sets

 ) if you want to select multiple items.



data items.	×
Data item expression - Data Item1	
Name: Data Item1	
Available Components:	Expression Definition:
<ul> <li>Street Enterprise Data Warehouse (Model)</li> <li>Business View</li> <li>Administrator</li> <li>Parties Allowed to View</li> <li>User</li> <li>ubser ID</li> <li>ubser User ID</li> <li>ubser Viser Name</li> <li>Product Role Code</li> <li>box Product Role</li> </ul>	[Business View].[(en-zw) User].[(en-zw) User Name] ③ Information:
∿: 10 11 ∅ ∞	Tips Errors
Cancel	ок

Figure 472 - 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

l



#### Click the "Validate" button ( ).

Any validation errors appear on the Errors tab of the Information pane.

To co	opy an	d paste	expression	components	in	the	"Expression	Definition"	pane,	you	can	use	the
"Cop	<b>/</b> " butto	on (	) and the " <b>F</b>	Paste" button	([	<u></u> ,							

#### 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.

#### **Operators:**

Data item expression - Data Item1	
Name: Data Item1	
Available Components:	
> 🗅 Operators	Expression Definition:
> 🗋 Summaries	
> 🗅 Member Summaries	
> 🗅 Constants	
> 🗅 Constructs	
> 🗅 Business Date/Time Functions	1
> 🗅 Period Predicates	(1) Information:
> 🗅 Block Functions	
> 🗅 Vendor Specific Functions	
> 🗋 Common Functions	
> 🗋 Dimensional Functions 👻	
°ta 🖬 🖬 🕼 🖂 🖸	Tips Errors
Cancel	ОК

#### Figure 473 - 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.

℃8		I	Π	3
	\$7	for an		1.000
		for all		
		for		
		escap	e	
	+- ×÷	ends	with	
	+- ×÷	end		
	+- ×÷	else		
	+- ×+	distin	ct	
	*- ×+	defau	lt	
	+- ×÷	conta	ins	
	+- ×÷	case		
	+- ×+	betwe	een	
		auto		
		and		
		>=		
	4- ×+			
	** +- ×*			
		<>		
	*- *+	< =		
	*- *+			
		->		
	+- ×+			
	×÷	2		
	*- *+			
	*- ×+			
	*- *+			
	*- ×+			
~ [	7 01	perato	s	

#### Figure 474 - 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 [(<u>en-zw</u>) Invoice Data Info].[(<u>en-zw</u>) Party Charged Name CRDM].[(<u>en-zw</u>) Party Short Name] like '%Ban%' THEN 1 ELSE 0 END

#### Figure 475 - Insert a Query Calculation - Searching the string

That is the result:

	Party (Short)	Flag
Ærø	Pensionsbank	0
Ame	rica First Savings & Loans	0
Aphr	odite's Mutual	0
Apoll	on Bank	1
Ares	Bank	1
Ârø l	and Pandebrev	0
Arter	nis Bank	1
Athe	na National Bank	1
Ausla	andskassenverein i.L.	0
Bågø	Credit	0
Band	a de Bondi	1
Band	o de Isthmus	1
Band	o di San Giorgio	1
Band	o Português de Negócios	1
Bank	of Korea	1
Bank	of New England	1
Bank	haus Goldscheider	1
Bank	haus Medici	1
Bank	i Kiribati	1
Bank	ia	1

#### Figure 476 - 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:



CASE WHEN [(<u>en-zw</u>) Parties - Cash Accounts - Other Info].[(<u>en-zw</u>) Parties].[(<u>en-zw</u>) Party (Short)] like '%Ban\_\_%' THEN 1 ELSE 0 END

#### Figure 477 - Insert a Query Calculation - Searching the string (2)

#### That would be the result:

	Party (Short)	Flag
Ærø Pe	nsionsbank	0
America	a First Savings & Loans	0
Aphrodi	te's Mutual	0
Apollon	Bank	0
Ares Ba	ink	0
Årø Lan	d Pandebrev	0
Artemis	Bank	0
Athena	National Bank	0
Ausland	lskassenverein i.L.	0
Bågø C	redit	0
Banca o	de Bondi	1
Banco o	de Isthmus	1
Banco o	li San Giorgio	1
Banco F	Português de Negócios	1
Bank of	Korea	1
Bank of	New England	1
Bankha	us Goldscheider	1
Bankha	us Medici	1
Banki K	iribati	1
Bankia		1

#### Figure 478 - 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:



×

#### Data item expression - Flag

vailable Components:	Expression Definition:	Θ
<ul> <li>✓ See Enterprise Data Warehouse (Model)</li> <li>&gt;</li></ul>	CASE WHEN [( <u>en-zw</u> ) Parties - Cash Accounts - Other Info].[( <u>en-zw</u> ) Parties].[( <u>en-zw</u> ) Party (Short)] like '%Ban THEN 1 ELSE 0 END	96'
	(1) Information:	
	string1 LIKE string2 [ ESCAPE char ] Determines if "string1" matches the pattern of "string2", with the character "char" optionally used to escape characters in the pattern string. This syntax supports both metacharacters: The percent sign (%) represents zero, one or multiple characters, and the underscore sign () represents any character.	-
°ta 🔟 🔟 🕼 🖸	Tips Errors	

#### Figure 479 - Insert a Query Calculation - Data item expression - Tips tab - Information

The "contain" function, can also be found under "Operators" folder in "Functions" tab:



	Operato	ors	
	** (		
	*- )		
	*- * ×+		
	+- ×∻ +		
	*- ×÷ ;		
	*		
	*>		
	*- / *+ /		
	*- < *+ <		
	+- ×+ <=		
	$_{\star\star}^{+-} <>$		
	*- ×+ =		
	*- ** >		
	*- >=		
	$_{x+}^{+-}$ and		
	*- auto		
	*- betw	/een	
	*- case		
	*= cont	ains	
	‡∓ defa	ult	
	+- disti	nct	
	+- else		
	$_{x+}^{+-}$ end		
	*- ends	with	
	+- esca		
	*= for		
	+- for a	11	
	tT for a		
°Ъ			

#### Figure 480 - 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 [(<u>en-zw</u>) Parties - Cash Accounts - Other Info].[(<u>en-zw</u>) Parties].[(<u>en-zw</u>) Party (Short)] contains 'Ban' THEN 1 ELSE 0 END

#### Figure 481 - Insert a Query Calculation - Searching the string - Different context than the "like" function

That would be the result:

	Party (Short)	Flag
Ærø	Pensionsbank	0
Ame	rica First Savings & Loans	0
Aphr	odite's Mutual	0
Apoll	on Bank	1
Ares	Bank	1
Ârø l	and Pandebrev	0
Arten	nis Bank	1
Ather	na National Bank	1
Ausla	andskassenverein i.L.	0
Bågø	Credit	0
Banc	a de Bondi	1
Banc	o de Isthmus	1
Banc	o di San Giorgio	1
Banc	o Português de Negócios	1
Bank	of Korea	1
Bank	of New England	1
Bank	haus Goldscheider	1
Bank	haus Medici	1
Bank	i Kiribati	1
Bank	ia	1

#### Figure 482 - 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**"



×

X

#### Data item expression - Flag

Name:	Flag		
Availabl	e Components:	Expression Definition:	Θ
	Enterprise Data Warehouse (Model) 꿈 Business View	CASE WHEN [( <u>en-zw</u> ) Parties - Cash Accounts - Other Info].[( <u>en-zw</u> ) Parties].[( <u>en-zw</u> ) Party (Short)] contains literal 'Bank_' THEN 1 ELSE 0 END	
		( ) Information:	
		string1 contains [LITERAL] string2 Determines if "string1" contains "string2". This syntax supports both metacharacters: The percent sign (%)	^
		LITERAL keyword indicates how '%' and '_' are interpreted. When the LITERAL keyword is present, '%' and '_' are not to be treated as metacharacters (see Example 3 and 5). Otherwise, in the absence of the LITERAL keyword, '%' and '_' behave as metacharacters (see Example 1, 2 and 4).	
		Example 1: [PRODUCT_LINE] contains 'door'	-
°\8		Tips Errors	
Canc	el	ок	

#### Figure 483 - 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

Expression Definition:         CASE         WHEN I (en-zw) Parties - Cash Accounts - Other Info].[(en-zw) Parties].[(en-zw) Party (Short)] contains literal 'Bank, THEN 1         ELSE 0         END         Information:         sting1 contains [LITERAL] string2         Determines if "string1" contains "string2". This syntax supports both metacharacters: The percent sign (%) represents zero, one or multiple characters, and the underscore sign (_) represents any character. The optional LITERAL keyword indicates how '% and '_' are interpreted. When the LITERAL keyword is present, '% and '_' are not to be treated as metacharacters (see Example 3 and 5). Otherwise, in the absence of the LITERAL keyword, '% and '_' behave as metacharacters (see Example 1, 2 and 4).         Example 1: [PRODUCT_LINE] contains 'door'		ata item expression - Flag
Expression Definition:         CASE         WHEN I (en-zw) Parties - Cash Accounts - Other Info].[(en-zw) Parties].[(en-zw) Party (Short)] contains literal 'Bank, THEN 1         ELSE 0         END         Information:         string1 contains [LITERAL] string2         Determines if "string1" contains "string2". This syntax supports both metacharacters: The percent sign (%) represents zero, one or multiple characters, and the underscore sign (_) represents any character. The optional LITERAL keyword is present, '%' and '_' are not to be treated as metacharacters (see Example 3 and 5). Otherwise, in the absence of the LITERAL keyword, '% and '_' behave as metacharacters (see Example 1, 2 and 4).         Example 1: [PRODUCT_LINE] contains 'door'		lame: Flag
<ul> <li>CASE</li> <li>WHEN [(en-zw) Parties - Cash Accounts - Other Info].[(en-zw) Parties].[(en-zw) Party (Short)] contains literal 'Bank, THEN 1 ELSE 0 END</li> <li>Information:</li> <li>string1 contains [LITERAL] string2 Determines if "string1" contains "string2". This syntax supports both metacharacters: The percent sign (%) represents zero, one or multiple characters, and the underscore sign (_) represents any character. The optional LITERAL keyword indicates how '%' and '_' are interpreted. When the LITERAL keyword is present, '%' and '_' are not to be treated as metacharacters (see Example 3 and 5). Otherwise, in the absence of the LITERAL keyword, '% and '_' behave as metacharacters (see Example 1, 2 and 4).</li> <li>Example 1: [PRODUCT_LINE] contains 'door'</li> </ul>	○ 1 % E E	vailable Components:
<ul> <li>WHEN [(en-zw) Parties - Cash Accounts - Other Info].[(en-zw) Parties].[(en-zw) Party (Short)] contains literal 'Bank THEN 1 ELSE 0 END</li> <li>Information:</li> <li>string1 contains [LITERAL] string2 Determines if "string1" contains "string2". This syntax supports both metacharacters: The percent sign (%) represents zero, one or multiple characters, and the underscore sign () represents any character. The optional LITERAL keyword indicates how '%' and ',' are interpreted. When the LITERAL keyword is present, '%' and ',' are not to be treated as metacharacters (see Example 3 and 5). Otherwise, in the absence of the LITERAL keyword, '% and ',' behave as metacharacters (see Example 1, 2 and 4).</li> <li>Example 1: [PRODUCT_LINE] contains 'door'</li> </ul>	Expression Definition:	
<ul> <li>Information:</li> <li>string1 contains [LITERAL] string2</li> <li>Determines if "string1" contains "string2". This syntax supports both metacharacters: The percent sign (%) represents zero, one or multiple characters, and the underscore sign (_) represents any character. The optional LITERAL keyword indicates how '%' and '_ are interpreted. When the LITERAL keyword is present, '%' and '_ are not to be treated as metacharacters (see Example 3 and 5). Otherwise, in the absence of the LITERAL keyword, '% and '_' behave as metacharacters (see Example 1, 2 and 4).</li> <li>Example 1: [PRODUCT_LINE] contains 'door'</li> </ul>	WHEN [(en-zw) Parties - Cash Accounts - Other Info].[(en-zw) Parties].[(en-zw) Party (Short)] contains literal 'Bank_' THEN 1 ELSE 0	
Determines if "string1" contains "string2". This syntax supports both metacharacters: The percent sign (%) represents zero, one or multiple characters, and the underscore sign (_) represents any character. The optional LITERAL keyword indicates how '%' and '_' are interpreted. When the LITERAL keyword is present, '%' and '_' are not to be treated as metacharacters (see Example 3 and 5). Otherwise, in the absence of the LITERAL keyword, '% and '_' behave as metacharacters (see Example 1, 2 and 4). Example 1: [PRODUCT_LINE] contains 'door'	Information:	
	Determines if "string1" contains "string2". This syntax supports both metacharacters: The percent sign (%) represents zero, one or multiple characters, and the underscore sign (_) represents any character. The optional LITERAL keyword indicates how '%' and '_' are interpreted. When the LITERAL keyword is present, '%' and '_' are not to be treated as metacharacters (see Example 3 and 5). Otherwise, in the absence of the LITERAL keyword, '%' and '_' behave as metacharacters (see Example 1, 2 and 4).	
Tipe From		
	Tips Errors	

Figure 484 - Insert a Query Calculation - Data item expression - Tips tab - Information - Literal (2)



#### Summarize Functions:



#### Figure 485 - 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:

✓ ➡ Member Summaries

- Σ! aggregate
- Σ! average
- Σ! count
- Σ! maximum
- Σ! median
- Σ! minimum
- Σ! percentage
- Σ! percentile
- Σ! quantile
- Σ! quartile
- Σ! rank
- Σ! standard-deviation
- Σ! total
- Σ! variance

#### Figure 486 - 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:

~ 🖻 Co	Instants
0,00	date
ේව	date-time
0 <sup>10</sup>	interval
a <sup>m</sup>	interval day
a	interval day to hour
alla	interval day to minute
e <sup>D</sup>	interval day to second
ේව	interval hour
an	interval hour to minute
an	interval hour to second
an	interval minute
010	interval minute to second
ස්ව	interval month
an	interval second
an	interval year
an	interval year to month
01 <sup>11</sup>	null
e Ta	number
e <sup>D</sup>	string
CT_80	time
00	time with time zone
C <sup>D</sup>	timestamp with time zone

#### Figure 487 - 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:

✓ ➡ Constructs
If then else
In\_range
Isearch case
In\_simple case

#### Figure 488 - 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:**

✓ ➡ Business Date/Time Functions

- ## \_add\_days
- # add\_hours
- # \_add\_minutes
- #w \_add\_months
- Ke \_add\_seconds
- ## \_add\_years
- Kx) \_age
- ## \_date\_to\_int
- #w \_day
- Re \_day\_of\_week
- Ke \_day\_of\_year
- #w \_days\_between
- #w \_days\_to\_end\_of\_month
- #w \_end\_of\_day
- KN \_first\_of\_month
- ## \_from\_unixtime
- #w \_hour
- #w \_last\_of\_month
- Ke \_make\_timestamp
- Ro \_minute
- ## \_month
- #w \_months\_between
- \*\*\* \_second
- Ko \_shift\_timezone
- KN \_start\_of\_day

#### Figure 489 - 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:

✓ ➡ Period Predicates

- \*= contains
- \*- equals
- t<sup>+</sup><sub>≠</sub> immediately precedes
- \*= immediately succeeds
- \*÷ overlaps
- \*= precedes
- t succeeds

#### Figure 490 - 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:**

→ Block Functions

- # \_firstFromSet
- #w! \_remainderSet

#### Figure 491 - 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:

✓ ➡ Common Functions

```
VBA-C
```

KH abs

Ke cast

Ko ceil

to ceiling

100 char\_length

Ke character\_length

Ku coalesce

g current\_date

and current\_time

g current\_timestamp

```
∨ 🖻 D-G
```

ко ехр

```
Re extract
```

no floor

VBH-L

Ko ln

```
an localtime
```

🖉 localtimestamp

no lower



```
∨ ⊖ M-Q
```

ika mod

no nullif

Kel occurrences\_regex

#w! octet\_length

rol period

rea position

it position\_regex

no power

VBR-Z

```
Ko _round
```

rendom

NOT NOW

ice sqrt

## substring

#w substring\_regex

wa! trim

100 upper

## width-bucket

rol arccos

no arcsin

no arctan

KH COS

100 coshyp

no sin

#### Figure 492 - 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:**

V 🗁 Dimensional Functions

VBA-C

- rol ancestor
- iol ancestors
- #w! bottomCount
- ##! bottomPercent
- rel bottomSum
- KN caption
- 100 children
- roll closingPeriod
- Rol cousin
- > 🗋 Advanced

V DD-G

- 100! defaultMember
- iw! descendants
- ros! except
- Roo filter
- 100! firstChild
- mal firstSibling
- > D Advanced
- VBH-L
  - Rol head
  - 100! hierarchize
  - 100! hierarchy
  - #at intersect
  - Rol item



- ✓ ➡ Dimensional Functions
  - > C A-C
  - > D D-G
  - > 🗀 H-L
  - VBM-0
    - rol members
    - nextMember
    - rol openingPeriod
    - #w! order
    - Ko! ordinal
    - 100! parallelPeriod
    - Ko! parent
    - no! periodsToDate
    - \*\*\*! prevMember
    - > 🗋 Advanced
  - VBR-Z
    - Ko! set
    - rol siblings
    - no! tail
    - rw! topCount
    - #w! topPercent
    - Ko! topSum
    - \*\*\*! tuple
    - Ka! union

#### Figure 493 - 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.

#### 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.



Creating reports (just advanced users) Relational and Dimensional Reporting

ltem	Relational reporting		Dimensional reporting		
Report type	Lists	Crosstabs			
	Crosstabs pivoted from lists	Charts created from scratch or from			
	Charts created from lists		crosstabs		
	Maps created from scratch or from lists		Maps created from scratch or from		
			crosstabs		
Package tree	In the "Source" tab (), click the "Op	otions" icon (	In the " <b>Source</b> " tab (), click the		
	), and then click "Show members only	/ for	"Options" icon ( ), and then click		
	dimensional package".		"Show members only for		
	If you are using dimensional data, hide me	mbers in the	dimensional package".		
	source tree by right-clicking the tree, clicking		Ensure that the option "Create sets" is		
	Package tree setting		selected.		
	Tree Settings" (	), and	View		
	clearing the check boxes for " <b>Members</b> "		Show members only for dimensional packages		
	Settings		Insert Individual members		
	<ul> <li>Members</li> </ul>		Create sets		
			Member insert options		
	<ul> <li>Levels</li> </ul>		Insert single member		
	<ul> <li>Members for each level</li> </ul>		Insert children		
	Manhanantia	and	Insert member with children		
	<ul> <li>Member properties</li> </ul>		The view will include the following:		
	"Members for each level".	anu	I package		
	Settings		l folder		
	<ul> <li>Members</li> </ul>		measure		
	✓ Levels				
	<ul> <li>Members for each level</li> </ul>		I named set		
	<ul> <li>Member properties</li> </ul>				
	The view will include the following:				
	l package				
	l folder				
	I namespace				
	l query subject				



Inserting data	<ol> <li>query item</li> <li>measure</li> <li>level</li> <li>From the package tree, add report.</li> <li>Avoid using hierarchies direction</li> <li>Avoid using named sets.</li> </ol>		From the package tree, add sets of members to the report. 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 common constructs. Choose only "Other express Create calculation Calculated member Hierarchy: Calculated measure Automation Set expression Other expression Cancel	sion". ×	Add query calculations using only dimensional and common constructs. Use <b>"Other expression</b> " only for value calculations. Avoid <b>"Common functions"</b> Create calculation © Calculated member Hierarchy: Calculated measure Automatic Other expression Cancel OK
Summarizing data	Headers and footers in lists Crosstab member summarie within detail	s; for example, aggregate	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 " <b>Quarter</b> " 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. Use a set expression such as " <b>Topcount</b> " or " <b>Filter</b> ".
Drilling	Drilling through by value	Drilling through by member Drilling up and down
Page and section breaks	Simple page breaks Page sets Sections Master detail relationships using parameterized filters	Simple page breaks Page sets Page layers Master detail relationships using parameterized edge or slicer expressions

Table 138 - Guidelines for each reporting style

# 8.4 Create a report

+ 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.



Creating reports (just advanced users)

Create a report

Create a report							Cancel Create
Select a template and theme for	or your report						
Templates Th	emes						
Blank	Blank active report	1 beside 2	1 beside 2 active report	1 column	1 column active report		
2 by 2	2 by 2 active report	2 by 3	2 by 3 active report	2 column active report	2 columns		
2 over 1	2 over 1 active report	2 row active report	2 rows	3 column active report	3 columns	Template: Blank	
						Theme:	

Figure 494 - Templates and themes - Templates

Ξ	Data Warehouse	🔄 Reporting \vee						Q. Search content	1 <b>0</b> 4 8
	Create a rep								Cancel Create
hi	Select a template and th								
	Templates	Themes							
	_								
	Blue	Cool blue	Cool grey	Dark blue	Dark fluorescent	Dark purple			
	Green	Medium grey	Red	Teal	Warm grey		1		
							Template: Blank Theme:		

Figure 495 - 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.



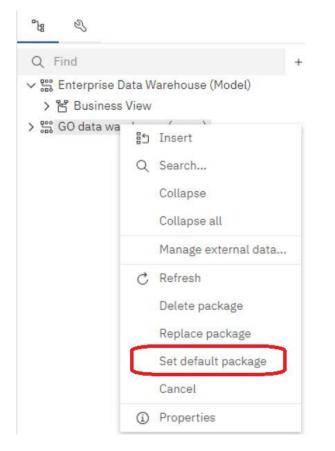
- I Query set operations (join, union, intercept, except), master detail relationships, and the Build prompt page tool are not supported.
- Drill through and external data are supported only for the default package.

Click the "Data items" icon (\_\_\_\_\_).

Click the	"Add	а	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**".



#### Figure 496 - 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".



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Q Find		+
∽ ss Enterprise	Data Warehouse (Model)	
> 뿝 Busines	ss View	
> 🎇 GO data v	insert	
	Q Search	
	Collapse	
	Collapse all	
	Manage external data	
	C Refresh	
	Delete package	
	Replace package	
	Set default package	
	Cancel	
	<li>Properties</li>	

#### Figure 497 - 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".



°u &		
Q Find		+
∽ Sterprise D	ata Warehouse (Model)	
> 皆 Business	View	
> 👷 GO data wa	insert	
	Q Search	
	Collapse	
	Collapse all	
	Manage external data	
	C Refresh	
	Delete package	
	Replace package	
	Set default package	
	Cancel	
	<li>Properties</li>	

#### Figure 498 - 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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> PINNED		
> TEXTUAL		
> LAYOUT		
V DATA CONTAINER		
🗊 Data table		
III List		
I Crosstab		
IN Visualization		- I
🕑 Map Manager Map		
Repeater table		
Repeater		
Singleton		
> PROMPTING		
> ADVANCED		
> DEVELOPER		

#### Figure 499 - Insert a single data item - Data container - Singleton

Click the "**Toolbox**" icon (\_\_\_\_\_\_) and drag Singleton to the report. An empty data container is created.

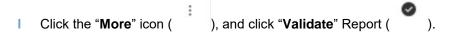
To change the query associated to the singleton object, select the singleton, click on the "Show properties"

icon ( Properties ) and in the Properties pane, click the down arrow at the right of the "Query" property V DATA

	Query	Query1	$\sim$	
and make changes (				).

#### 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.





#### 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. 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 139 - Validate a report

- I 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 (

Dynamic query migration ).

- Revalidate your report.



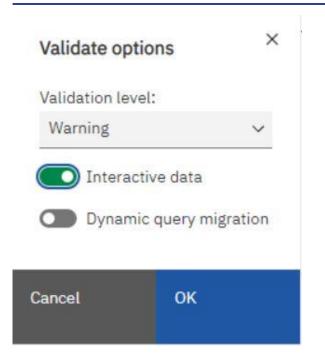


Figure 500 - Validate a report - Validate options

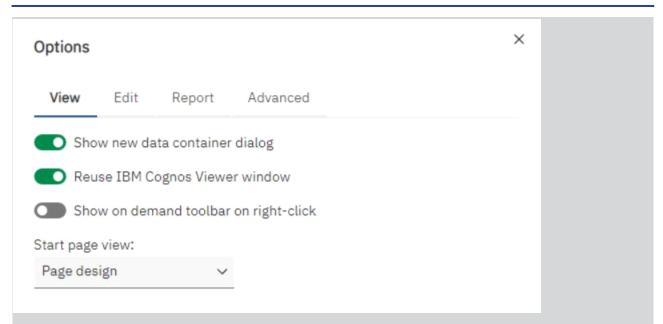


# 8.5 Options in Reporting

### 8.5.1 View Options

	Options			
	View	Edit	Report	Advanced
Table 1. Descriptions of the options on the " <b>View</b> " tab( he " <b>Options</b> " window				
Click the " <b>More</b> " icon (), and click " <b>Options</b> ".				
Page design ∨ : ╤ Properties				
Open report from clipboard				
Copy report to clipboard				
Clear parameter values				
Visual aids				
Q Find				
<ul> <li>Validate report</li> </ul>				
Validate options				
Auto correct				
Layout component cache				
Manage conditional styles				
Show generated SQL/MDX				
Add shared set report				
Manage shared set reports				
Manage shared set references				
M Show specification				
Options շիպ				





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 140 - View Options



## 8.5.2 Edit Options

		Options				
		View	Edit	Report	Advanced	
Table 2. Descriptions of the options of the options of the options and the options of the option	on the " <b>Edit</b> " tab (					) of the
Options				×		
View Edit Report	Advanced					
Wrap text in editors						
Automatically populate	values list					
In-place edit						
Allow crosstab nesting	oeside individua	litems				
Enable drill-up or drill-o	lown links					
Automatically validate express	sions:					
Drop replace on crosstab and	— chart nodes:					
Double-click on member actic						
	1					
Layout dimensions						
Width:	Height:					
100 % ~	// //Secondaria	% ~				
Option	Description					
Vrap text in editors		wraps text ir	all editors	where you ca	n define expressio	ns.
Automatically populate values list		g expression:	s in the exp	ression editor	, automatically sho	



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. By default, you drill down or up on the item that you double-click.
Layout dimensions	Specifies the width and height of the area where you will create reports.

Table 141 - Edit Options



### 8.5.3 Report Options

	Op	tions			
	V	/iew	Edit	Report	Advanced
Table 3. Descriptions of the options on the " <b>Options</b> " window	e " <b>Report</b> " tab (				) of
Options			×		
View Edit Report Adv	vanced				
Alias member unique names					
Delete unreferenced query object	ects				
Delete unreferenced conditional					
Table Style inheritance	2				
Automatic group and summary	behavior for lists				
Automatically create crosstab	neaders for sets				
Enable recommended visualiza	tions				
Enable guided report layout					
Limit on inserted individual children n	nembers:				
20					
Option	Description				
Alias member unique names	When working with a dir a member to the report				n alias when you add
Delete unreferenced query objects	Automatically deletes quy			-	-
Delete unreferenced conditional styles and palettes	Automatically deletes correfers to the conditional		-		the last data item that
Table Style inheritance	When a table style is ap objects inserted in the li				
Automatic group and summary behaviour for lists	When working with lists the list footer and a sum	s, automati	cally adds	s an overall ag	gregate summary in



Creating reports (just advanced users) Options in Reporting

	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.
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 142 - Report Options



### 8.5.4 Advanced Options

Table 4. Desc	riptions of	the options on t	the " <b>Advanced</b> " tab (							
Options										
View	Edit	Report	Advanced ) of the "Options" window							
0			) of the <b>Options</b> window							
Options										
View	Edit	Report	Advanced							
💽 Use	operatin	g system clip	board							
💽 Ena	ble exter	nal clipboard	I A A A A A A A A A A A A A A A A A A A							
🔘 Use	legacy cl	hart authorin	g							
💽 Disa	able previ	ews								
💽 Acti	ve Repor	t validation o	of visualization							
Report sty	les used	for new repo	orts:							
Style set	in templa	ate	~							
Map featu	re display	/ limit:								
10	0									
Member d	isplay co	unt limit (in s	source tree).							
inember d			r default model = 50)							
	•									
Option			Description							
Use operating	system cli	pboard	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 report to the current default charts. Select this check box if you do not want to upgrade the charts in your existing reports.										
Disable previe	WS		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.
	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	When working with dimensional data, specifies the maximum number of
tree)	members that can appear in the Source tab before you must perform a search.

Table 143 - 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>	<user name=""></user>	<user bic=""></user>	<environment name=""></environment>	<environment id=""></environment>
<user id=""></user>	<user name=""></user>	<user bic=""></user>	<environment name=""></environment>	<environment id=""></environment>
<user id=""></user>	<user name=""></user>	<user bic=""></user>	<environment name=""></environment>	<environment id=""></environment>

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.



	۵	Page design 🔻	/ 1	😤 Properties
tas	Lis	t		
~ C(	ONDIT	IONAL		
Conc	litional	l styles		
Style	variat	ole		
Rend	ler var	iable		
No d	ata co	ntents	No Data	a Available
V D/	ATA			
Grou	ping &	sorting		
Quer	у		Query1	
Rows	s per p	age		
Mast	er det	ail relationships	Unavail	able
Supp	pressio	n		
Prop	erties			
Shar	e resul	it set		
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Scro	llable a	area height		
-	nation		(Define	d)
Rend	ler pag	ge when empty		
~ BO	OX			
Bord	er			
Marg	ļin			
Boxt	type			
~ C(	OLOR 8	& BACKGROUND	)	
Back	ground	d image		*

#### Figure 501 - 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 (  $^{\ddagger}$  ), then
    - click on "Columns title style" ( Tr 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 III List column Properties pane and click "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" (
     D) icon in the title bar of the Properties pane and click "List columns body style" (
  - To format list column titles, click the "Select ancestor icon" ( ) In the title bar of the Properties pane and click "List columns title style" ( Tr List columns title style ).
  - To format entire columns, click the "Select ancestor" icon (
     i) in the title bar of the Properties pane and click "List columns" (
  - To format the entire list, click the "**Select ancestor**" button ( ) in the title bar of the Properties pane and click "**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.
- I 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**".



to v List column

~ CONDITIONAL	
Conditional styles	
Style variable	
Render variable	
Render	
V DATA	U

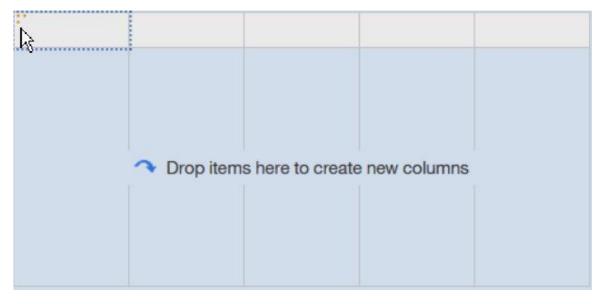
Figure 502 - Hide column in reports -List column properties - Conditional - Set Render to No

So the result is: When you run your report, the column is hidden in the report output.

#### 8.6.3 Create a scrollable list

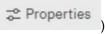
When the list contains many rows of data, it is clever to use a list you can scroll:

Select the entire list by clicking the container selector (three orange dots) of the list.



#### Figure 503 - Create a scrollable list

In the DWH toolbar, click the "Show properties" icon (



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.



✓ GENERAL	
Contents height	Minimal
Column titles	At start of list
Scrollable area height	
Pagination	(Defined)
Render page when empty	

Figure 504 - 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

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> PINNED		
> TEXTUAL		
> LAYOUT		
✓ DATA CONTAINER		
🔄 Data table		
III List		
⊞ Crosstab		
[n]] Visualization		
🕑 Map Manager Map		
💼 Repeater table		
😑 Repeater		
Singleton		
> PROMPTING		
> ADVANCED		
> DEVELOPER		

#### Figure 505 - 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.



#### ✓ <sup>™</sup> Business View

- > 🗅 Administrator
- > 🗀 Environment Information
- > 🈤 Parties Cash Accounts Other Info
- ✓ 
  Settled Cash Transfers per 15 min Informatic

> Drop	o item here to show a single va
Year	Repeater
<year></year>	<number of="" transactions=""></number>

#### Figure 506 - Using Repeaters - List with all Number of Transactions in a single row

Then insert "Number of Transactions" into the repeater.

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.

~ GENERAL	
Repeater direction	Left to right, top to b
Across	2
Down	3
Pagination	
Render page when empty	

#### Figure 507 - 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".



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	0	Jer vices							Do	uble-	CIICK to	o edit te	ext							e to she single v	Ττ	Columns title style
> Dro	op item	here to s	sho	wasinį	gle valu	Je																Columns body style
Year	Mon	th (Short	:)	Numb	er of Ti	ransact	tions												 			Headers & footers
<year></year>	<mon< td=""><td>th (Short</td><td>)&gt;</td><td><numb< td=""><td>er of Ti</td><td>ransact</td><td>tions&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Build prompt page</td></numb<></td></mon<>	th (Short	)>	<numb< td=""><td>er of Ti</td><td>ransact</td><td>tions&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Build prompt page</td></numb<>	er of Ti	ransact	tions>															Build prompt page
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<year></year>	<mon< td=""><td>th (Short</td><td>)&gt;</td><td><numb< td=""><td>er of Ti</td><td>ransact</td><td>tions&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Drill-through definitions</td></numb<></td></mon<>	th (Short	)>	<numb< td=""><td>er of Ti</td><td>ransact</td><td>tions&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Drill-through definitions</td></numb<>	er of Ti	ransact	tions>															Drill-through definitions
																						Pivot List to Crosstab
																						Convert List to Repeater Table
																						Insert Table of Contents Entry
																						Go to query

#### Figure 508 - 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 ( <sup>(</sup>).

# 8.7 Working with crosstabs

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ក្រា Text item	
Block	
III Table	
III List	
ff Crosstab	
In] Visualization	
> TEXTUAL	
> LAYOUT	
> DATA CONTAINER	
> PROMPTING	
> ADVANCED	

#### Figure 509 - 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. Cross-tabs 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:

- I One or more crosstab node members.
- I 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.

C Administrator	**		<#Year#>		<#Year#>	
Environment Information			<#Month (Short)#>	<#Month (Short)#>	<#Month (Short)#>	<#Month (Short)#>
Parties - Cash Accounts - Other Info	<#Party Country#>	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#>
Settled Cash Transfers per 15 min Informatic ✓ 册 Settled Cash Transfers per 15 min		<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#>
	<#Party Country#>	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#>
L Number of Transactions		<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#>
L_ Amount						
🕔 Calendar Date						
> 🗀 Technical Data						
> E Currencies						
>   Date						
> 🛱 Time						

> III Time > III Party

#### Figure 510 - 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).
- 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).

			<#Year#>		<#Year#>		
	1		<#Month (Short)#>	Total	<#Month (Short)#>	Total	
	Total		<#1234#>	<#1234#>	<#1234#>	<#1234#>	
2	<#Party Country#>	<#rany#>	<#1234#>	<#1234#>	< <b>#1</b> 234#>	<#1234#>	
2		<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#>	
	Summary		<#1234#>	<#1234#>	<#1234#>	<#1234#>	
3	Average		<#1234#>	<#1234#>	<#1234#>	<#1234#>	

#### Figure 511 - 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:

- Crosstab fact cells
- fact cells in the outermost rows
- I fact cells in the innermost rows
- fact cells in the outermost columns
- fact cells in the innermost columns
- I 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**".



+		Createl
1.1	$\sim$	Crosstab

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Conditional styles		
Style variable		
Render variable		
No data contents	No Data Available	
V DATA		
Query	Query1	
Rows per page		
Master detail relationships	Unavailable	
Suppression		
Default measure		
✓ GENERAL		
Pagination	(Defined)	
Fact cells precedence	Rows	
Has fact cells		
Render page when empty		
~ BOX		
Border		
Margin		
Box type		
~ COLOR & BACKGROUND	1	
Background image		
Background color		- 1
Foreground color		
Drop shadow		
V FONT & TEXT		
Font		
Horizontal alignment		
Relative alignment		
Direction & justification		

#### Figure 512 - Set Crosstabs properties

Or you can click the container selector (three orange dots) of the crosstab to select it.

to

- 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:



13 - 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. 13 - 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. ) in the title bar of the Properties pane and click "Crosstab - Click the "Select ancestor" icon ( 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. ) in the title bar of the Properties pane and click "Crosstab - Click the "Select ancestor" icon ( 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.

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		<#Y	′ear#>						<#Yea	ar#>						
		<#N	Ionth (S	Short)#>	<#1	Mont	h (Sho	ort)#>	<#Mo	nth (	Short)#	ŧ> <#	<#Month (Short)#>			
÷	Rows		<#	ŧ1234#>	5		<#12	34#>		<	#1234#	ŧ>	<	#1234	#>	

#### Figure 513 - 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

# target

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.

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.
- I 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.

And the second			<#Year#>		<#Year#>	
C Environment Information			<#Month	<#Month	<#Month	<#Month
> 😤 Parties - Cash Accounts - Other Info			(Short)#>	(Short)#>	(Short)#>	(Short)#>
✓	<#Party	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#>
∽ ⊞ Settled Cash Transfers per 15 min	Country#>	<#Party#>	<#1234#>	<#1234#>	<# <mark>1</mark> 234#>	<#1234#>
L Number of Transactions	<#Party	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#>
E Amount	Country#>	<#Party#>	<#1234#>	<#1234#>	<#1234#>	<#1234#>
🕚 Calendar Date						
> 🗀 Technical Data						
> 🗀 Technical Data > 🖽 Currencies						
>						



#### 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.

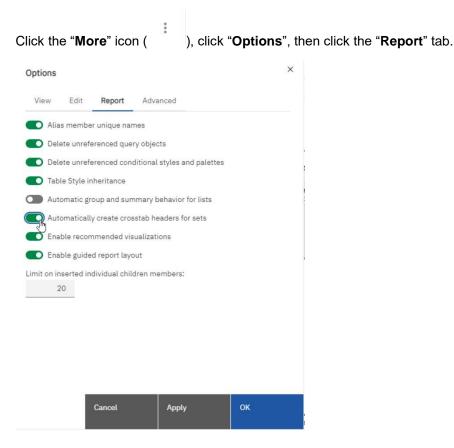


Figure 515 - Creating headers automatically for sets in crosstabs

#### 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.
- I 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".
- I 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.

- I 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.

Query	Query1
Rows per page	
Master detail relationships	Unavailable
Suppression	
Default measure	Number of Transactions

#### Figure 516 - 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.

You can also indent objects by applying padding.

- I Click the crosstab node member to indent.
- In the Properties pane, set the "Level indentation" property to your indentation type, length, and direction.

														Date Time			t∷ ∽ Crosstab node member							
ton	Double-click to edit text										Drop item here		~ CO	NDITION	AL									
uar	Double-click to edit text									to show a single value			tional sty	es										
													variable											
														fext source variable										
> Drop it	em here	to she	ow a s	ingle va	alue												∨ TE	XT SOUR	E					
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the arty CO	unu y#>	-	5			234#>		<#1234#> <#1234#>					<#1234#> <#1234#>			Data format								
<pre>&lt;#Party &lt;#Party Country#&gt; &lt;#Party</pre>										#1234#>		Drill-t	hrough de	finitions										
mraity CO	unu y#>	100100000	rty#>			234#>			#1234			<#1234			#1234#>		Prope	rties						
	_	N#Fd	111y#>		\$#12	34#2			#1234	#~		\$#1234	#~	~1	+1234#2		, → GE	NERAL						
																	Level	indentatio	on					
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																	Node	coordinat	е	e3				
																	∨ BO	X						
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																	Paddi	ng						
																	Box ty							

Figure 517 - 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.

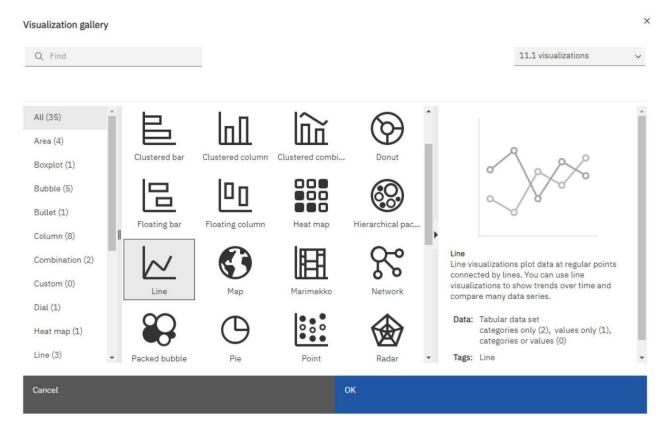
To view the available visualization types, add a Visualization object from the **"Toolbox**" pane (\_\_\_\_\_\_) to an existing report.



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Q Find	~	88
> PINNED		
> TEXTUAL		
> LAYOUT		
V DATA CONTAINER		
🗊 Data table		
III List		
ff Crosstab		
Visualization		
🕑 Map Manager Map		
Repeater table		
😑 Repeater		
Singleton		
> PROMPTING		
> ADVANCED		

#### Figure 518 - Working with Visualisations - Data container - Visualization

In the Visualization gallery window, select "11.1 Visualizations" from the menu.



#### Figure 519 - Working with Visualisations - Visualization gallery



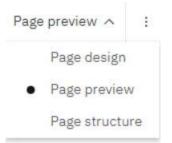
°le

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:
- I 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**"

11.1 visualizations	^
11.1 visualizations	
11.0 visualizations	
Legacy visualizations	
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.
	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 144 - 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.



I 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.

Baselines	×
Baselines	Add a new baseline to define its properties.
+ ⊖ ↑ ↓	
Cancel	ок

Figure 520 - Adding a baseline to a visualization

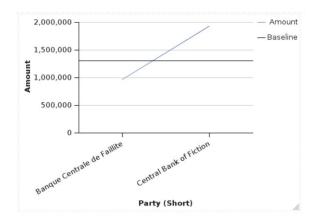


#### Baselines

×

Baselines	
0	Definition Label Line styles
	Enter the value at which to draw the baseline:
+ ⊖ ↑ ↓	
Cancel	ок

Figure 521 - Adding a baseline to a visualization - Baselines



#### Figure 522 - Adding a baseline to a visualization - Baseline at 1.300.000

- Specify the necessary criteria for the baseline position.
- I 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.

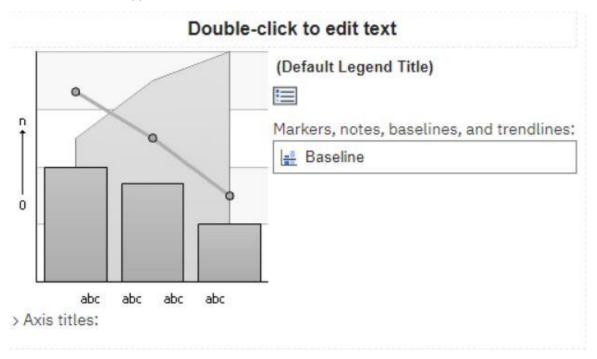


#### t'] ~ Numeric baseline

~ CONDITIONAL	
Render variable	
✓ DATA	
Query	Query1
Master detail relationships	Unavailable
Properties	
✓ GENERAL	
Line style	(Defined)
✓ CHART ANNOTATIONS	
Numeric baselines	(Defined)

#### Figure 523 - Adding a baseline to a visualization - Baseline properties

The new baselines appear in the Baselines box.



#### Figure 524 - 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.

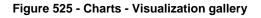
- Click a visualization and, from the report object toolbar, click the "Change chart type" icon (
- From the list, select a new chart type.
- I If some chart properties cannot be converted, the "**Chart property changes dialog box**" appears notifying you of the properties that cannot be converted.

## 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".

Q Find							11.1 visualizations
							11.1 visualizations 11.0 visualizations
All (35)	1 I	,	•	La l			Legacy visualizations
Area (4)		<u> </u>	$\overline{\mathbf{v}}$	<u></u>			Charts
Boxplot (1)	Line	e Sr	nooth line	Step line		0	7.2
Bubble (5)							XX°°
Bullet (1)						2	0
Column (8)	I.				,		
Combination (2)						Line Line visualizatio	ons plot data at regular points
Custom (0)						connected by li	nes. You can use line o show trends over time and
Dial (1)						compare many	data series.
Heat map (1)						Data: Tabular categor	data set ries only (2), values only (1),
Line (3)							ries or values (0)
Line (5)	*					Tags: Line	



#### 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 "Foot	"Subtitle", or "Footer" property.		
	✓ CHART TITLES			
	Title	Show		
	Subtitle	Hide		
	Footer	Hide		
Hide or show the legend	Select the chart. Under "Chart Annotations", set the			
J. J. J. J. J. J. J. J. J. J. J. J. J. J	"Legend" property.			

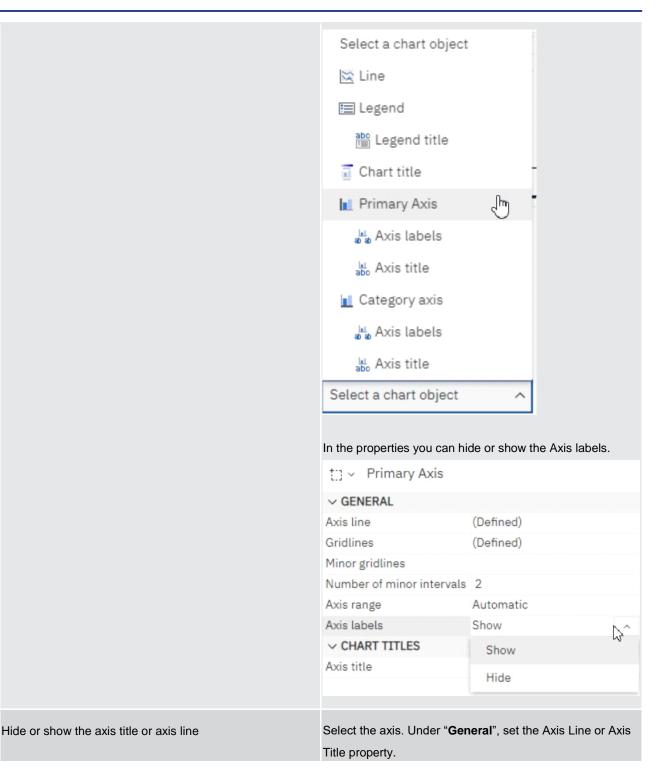


	<ul> <li>CHART ANNOTATIONS</li> <li>Legend</li> <li>Numeric baselines</li> <li>Category baselines</li> <li>Trendlines</li> <li>Markers</li> <li>Notes</li> </ul>	Top right
Hide or show baselines	Select the chart. Under "Char "Baselines" property.	rt Annotations", set the
	✓ CHART ANNOTATIONS	
	Legend	Top right
	Numeric baselines	iop i Birt
	Category baselines	
	Trendlines	
	Markers	
	Notes	
Change the colours of the labels	Select "Select a chart object	<b>t</b> ".
	Select a chart object	
	🖄 Line	
	🔚 Legend	
	🚞 Legend title	
	\overline Chart title	-
	🔝 Primary Axis	-
	at a Axis labels	
	abc Axis title	
	📘 Category axis	
	a a Axis labels	
	abo Axis title	
	Select a chart object	⊳ ^
	Then select one of the "Axis	labels"



Primary Axis	
🕍 Axis labels	
abc Axis title	
In this properties you can change everything which is	
related to the labels.	
tij - Axis labels	
Conditional styles	
Render variable	
✓ DATA	
Data format	
✓ CHART LABELS	
Auto font size	
✓ COLOR & BACKGROUND	
Foreground color	
✓ FONT & TEXT	
Font	
✓ MISCELLANEOUS	
Classes Chart axis labels	
Select the chart. Under " <b>Chart Annotations</b> ", set the " <b>Trendlines</b> ".	
Select the chart. Under "Chart Annotations", set the "Markers" property.	
Select the chart. Under " <b>Chart Annotations</b> ", set the " <b>Notes</b> " property.	
Select the chart. Click " <b>Select a chart object</b> " Select the Axis (Primary Axis) or the X Axis (Category Axis).	







	Select a chart object	t
	🔀 Line	
	🔚 Legend	
	Legend title	
	🖬 Chart title	-
	🔝 Primary Axis	-
	a Axis labels	
	abc Axis title	
	📘 Category axis	
	at Axis labels	
	abc Axis title	
	Select a chart object	⊳ ^
	t:: - Primary Axis	
	✓ GENERAL	
	Axis line	(Defined) :
	Gridlines	(Defined)
	Minor gridlines	
	Number of minor intervals	2
	Axis range	Automatic
	Axis labels	Show
	~ CHART TITLES	-
	Axis title	Show
Change an axis title	Select the axis title.	



	Select a chart object
	🔀 Line
	🔲 Legend
	🛅 Legend title
	Chart title
	Primary Axis
	at abels
	abc Axis title
	Category axis
	a Axis labels
	abc Axis title
	Select a chart object
	Under "General", set the "Default title" property to "No", and then double-click the axis title and type a new title.
	Conditional styles
	Render variable
	Query Query1
	Master detail relationships Unavailable
	Properties
	✓ GENERAL Default title
	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.	
Change axis properties, such as range, scale interval etc.	properties, such as font, positioning, colour etc.



📋 🗸 Primary Axis		
✓ GENERAL		
Axis line	(Defined)	
Gridlines	(Defined)	
Minor gridlines		
Number of minor intervals	2	
Axis range	Automatic	:
Axis labels	Show	
✓ CHART TITLES		
Axis title	Show	

# Set the "Maximum" value, "Minimum" value or "Major interval"

Axis Range ×	
Maximum	
<ul> <li>Automatic</li> </ul>	
O Manual:	
Minimum	
<ul> <li>Automatic</li> </ul>	
🔿 Manual:	
Include zero	
Logarithmic scale	
Major interval	
<ul> <li>Automatic</li> </ul>	
O Manual:	
Cancel Apply OK	
Select the chart. Under " <b>General</b> " in the properties, set "	the

Hide or show the tooltips

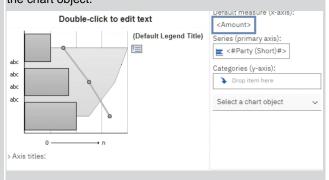


✓ GENERAL		
Chart orientation	Vertical	
Depth	0	
Combinations	Primary Axis	
Tooltips	Absolute	~
Matrix rows and columns Pagination	None	
	Absolute	
Render page when empty	Absoluto	
✓ CHART TITLES	Cumulative	

When you pause your pointer over a data marker in the report output, the corresponding absolute or cumulative value appears in a tooltip.

Tooltips are not supported in PDF output.

Select the item you want to change the data format from the chart object.



# In the properties under "**Data**", set the "**Data format**"

	property.	
	🛄 🗸 Default Measure	
	~ CONDITIONAL	
	Conditional styles	
	✓ DATA	
	Data format	
Change the white space around the chart	Select the chart. Under "Box", set the "Padding" or	
	" <b>Margin</b> " property.	
Change the colour or pattern in the palette for columns, lines, and areas	Select the item " <b>Series</b> " from the chart object.	

Change the data format



	Double-click to edit text (Default Legend Title)
	In the properties under " <b>Colour &amp; Background</b> ", set the palette or conditional palette property.
Change the chart orientation	Select the chart. In the Properties pane, under " <b>General</b> " 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. COLOR & BACKGROUND    Background effects     Foreground color     Series color Do not match   Drop shadow     Colored regions     Material effects None   Plot area fill          Pont & TEXT   Font   Relative alignment   Direction & justification   Contained text direction

e 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.



Creating reports (just advanced users)

Charts

	ble-click t ELegend
	Chart title
Double-click to edit text	Axis labels
(Default Lege	nd Title) 🕌 Axis title
	L Category axis
	at a Axis labels
	abc Axis title
	Select a chart object 🔨
abc abc abc abc	
Axis labels	Ť
CONDITIONAL	
Conditional styles	
Render variable	
DATA	
Data format	
CHART LABELS	
Auto font size	No
COLOR & BACKGROUND	
Foreground color	
FONT & TEXT	
Font	
MISCELLANEOUS	
Classes	Chart axis labels



Insert a background image or watermark in the chart body.	Select the chart object. In the properties under "Colour & Background" select the "Background effects" to set the image. COLOR & BACKGROUND Background effects :
Go to another report	Select the chart. Under " <b>Data</b> ", set the " <b>Drill-through</b> 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". Category axis Axis labels In the properties under "General" select "Text truncation" to define the maximum of the characters for the values.
	~ GENERAL
	Text truncation (Defined) :
	Text Truncation   Truncation   Automatic   Annual   Maximum characters:   4   Truncation text:   Image: Cancel     Apply     K
	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 145 - 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.
- I In the Properties pane ( Properties ), under "Chart Annotations", double-click the "Notes" property.
- I Click the "**New**" icon ( <sup>th</sup>).
- I Type the note text in the "**Text box**" and click "**OK**".
- To delete a note, click the note and click the "**Delete**" button (

0 ~		N	 	[]]	1
	Notes		×		
lick to				sure ()	(-axis):

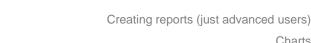
Text

New Note



#### Figure 526 - Adding a note to a chart

I In the "Notes dialog box", click "OK".



Charts

# tard

- Only for Current Default Chart: L
- To position the note, do the following : Т
  - Click the note icon ( $\square$ ) 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 (  $\square$  ) in the chart.



Figure 527 - Adding a note to a chart - Position the node / Expression



Report expression		×
Available Components:		o = ::: % fr (fr (fr
RunEnvironmentQry BICDetailsQry UserInfoQry > III Query1 > III Query2	Expression Definition:	
TT	Tips Errors OK	

Figure 528 - 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. Е
- Depending on your chart and the type of baseline you want to add, in the Properties pane, under "Chart Т Annotations", double-click the "Numeric baselines" or "Category baselines" property.

~ CHART ANNOTATION	NS .	
Legend	Top right	
Numeric baselines		
Category baselines		

Click the "New" icon ( + ) and choose the type of baseline from the list. Ī.



Charts

	ines		
		Add a new baseline to define its proper	ties.
+	⊖ ↑ ↓ Numeric Value		
	Query calculation Layout calculation	ок	
	Statistical Limit		
	Mean		
	Percentile (%)		

#### Figure 529 - Adding a baseline to a chart

- Т Specify the necessary criteria for the baseline position
- Under "Baseline Properties", type a label for the baseline and specify the line style. Т
- Т To remove the baseline from the legend, delete the label.
- Т If you add more than one baseline, specify their order using the up and down arrows.
- Т 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 Т trendlines box, double-click the placeholder text next to the "Baseline" icon ( text.
- Е 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 ([1]) and click the "**Delete**" button ([1]). Т



## 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:
	25th percentile value - 1.5 * (75th percentile value - 25th percentile value)
	For example, if 2.5 is the 25th percentile and 7.5 is the 75th percentile, the statistical minimum is $-5 [2.5 - 1.5(5) = -5]$ .
	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:
	75th percentile value + 1.5 * (75th percentile value - 25th percentile value)
	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 146 - 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 report 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.

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".

New Marker	Numeric position:	Numeric Value	~
	Category position:	Category index	~
	Category index:	1	
	Label:	New Marker	
	Size:	10 ~ pt ~	
	Color and style:		
+ $\Theta$ $\uparrow$ $\downarrow$			

Figure 530 - 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 lower-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:

All Years - Year - Quarter - Month

Before you begin, ensure that you are using a dimensionally-modelled data source.

- I Open a chart that uses a dimensionally-modelled data source.
- Click the "Show properties" icon ( Properties ), click the "More" icon ( ), click " 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.

- I build your own prompt and prompt page
- I create a parameter to produce a prompt
- I 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.

Relational: Detail Filter Expressions	Dimensional: Context (Slicer) or Edge Expressions
[ <i>data item</i> ] = ?p?	[level or hierarchy]->?p?
for single-select prompts and master detail relationships	For single-select member prompts and master detail relationships
[ <i>data item</i> ] in ?p?	set([level or hierarchy]->?p?)
for multi-select prompts	For multi-select member prompts
	filter ([set], [property expression] = ?p? )
	For single-select value prompts and master detail
	relationships
	A property expression is an expression that is assigned to a
	property to enable dynamic update of the property when
	the report runs.
	filter ([set], [property expression] IN ?p? )
	For multi-select value prompts
	A property expression is an expression that is assigned to a
	property to enable dynamic update of the property when
	the report runs.

#### Table 147 - 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**

I In the navigation menu, click "Report" and then click "Prompt pages".



Report ^ Prompt pages +
B Report
D Pages
D Page1
Prompt pages
🗅 Queries
RunEnvironmentQry
BICDetailsQry
UserInfoQry
🗀 Classes
& Variables

## Figure 531 - 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.



#### ✓ PROMPTING

<u>I</u> Text box prompt	£ T	ext	box	prompt	
--------------------------	-----	-----	-----	--------	--

- 📼 Value prompt
- বহু Select & search prompt
- 🔂 Date & time prompt
- 🛱 Date prompt
- Time prompt
- an Interval prompt
- ්ස Tree prompt
- 🖽 Generated prompt
- Prompt button

#### Figure 532 - Build your own Prompt and Prompt page - Prompting

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 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 148 - Build your own Prompt and Prompt page

The Prompt Wizard dialog box appears.

- I 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".



×			mpt	ard - Date pr	npt Wizard	Prom
				meter	ose Paramete	Choo
	previously	ng parameter fror	use an exis		ate a new pa hored expres	
			er	a new parame	Create a ne	۲
				meter1	Paramet	
			r	isting paramet	Use existin	0
				bal parameter	Use global	0
	Finish	Next >		< Back	ι	ancel
	Finish	Next >		< Back	ι	ancel

Figure 533 - 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.



## Prompt Wizard - Date prompt

×

## **Create Filter**

Choose the package item that will be used to filter the report.

Package item:		1
Operator:	.=	
Parameter:	Parameter1	

Cancel < Back	Next >	Finish	
---------------	--------	--------	--

Figure 534 - Build your own Prompt and Prompt page - Prompt Wizard dialog box - Make the filter optional

I 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.



Prompt Wizard - Tr	Prompt Wizard - Tree prompt					
Create Filter Choose the package	item that will b	e used to filter the re	eport.			
Create a para	meterized filter					
Package item:	[(en-zw) Invo	ice Configuration Inf	ormation :			
Operator:	=	^				
Parameter:	=					
Make the	>=					
	<					
	<= in	راس				
Cancel	not in	Ŭ	Finish			
	in_range					

## Figure 535 - 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".



## Prompt Wizard - Tree prompt

×

## Apply filter

Which queries do you want to filter?

Querie	s:
	RunEnvironmentQry
	☐ BICDetailsQry
	☐ UserInfoQry
~	T Query1

Figure 536 - 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 data values shown when the report is run.

Prompt Wizard - Tree prompt

×

## Populate control

What values do you want to pick from? Use values are the retrieved data, and Display values are the selectable values that the user sees.

#### Figure 537 - 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.
- I 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:

- I saved reports
- I PDF reports
- I scheduled reports

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**".

✓ GENERAL	
Required	
Multi-select	
Select UI	Drop down list
Auto-submit	
12 12	

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.



X

Adding prompts to filter data

Report > Queries > 🖬 Query1				1	<b>⇒</b> Properties
%   %  %  %   %  % %  % <th></th> <th></th> <th>Detail Filt</th> <th>er</th> <th></th>			Detail Filt	er	
Data Items +	☑ Detail Filters	+	Definition	[(en-zw) Invoice Cor	nfiguration Inform
Party Short Name	♀ [(en-zw) Invoice Configuration Information	mation].[(en-zw		AL	
			Usage	Optional	~
Σ Amount			Application	Before Auto Aggrega	ation
<ul> <li>Party Short Name</li> <li>Amount</li> </ul>	₩ [(en-zw) Invoice Configuration Inform	mation].[(en-zw	Usage	Optional	ation

#### Figure 538 - 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.

# Prompt Wizard - Date prompt

## Choose Parameter

Create a new parameter or use an existing parameter from a previously authored expression.

۲	Create a ne	w parameter				
	Paramete	er1				
0	Use existing	g parameter				
0	Use global p	parameter				
	🔿 Use global para					
	_			_		
Cancel	L,	< Back	Next	:>	Finish	

## Figure 539 - 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.

Prompt Wizard - D	Prompt Wizard - Date prompt							
Create Filter Choose the package	e item that will be u	used to filter the repor	t.					
Create a para	meterized filter							
Package item:			I					
Operator:	÷							
Parameter:	Parameter1							
Make the	e filter optional							
	1004 - 11		1048-10-10					
Cancel	< Back	Next >	Finish					

Figure 540 - Create a Prompt Directly in a Report Page - Prompt Wizard - Date prompt - Make the filter optional

- In the work area, click the prompt.
- I 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**".



t:] ~ Prompt butto	on
~ CONDITIONAL	
Style variable	
✓ GENERAL	
Туре	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.



Prompt Wizard - Tree prompt		
Create Filter		
Choose the package	item that will be used to filter the report.	
Create a parar	neterized filter	
Package item:	[Business View].[(en-zw) Parties Allowed	d to E
Operator:	= ^	
Parameter:	=	
Make the	>=	
Make the	<	
	<=	
01	in D	Plate L
Cancel	not in In_range	Finish

## Figure 541 - 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.
- I 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)
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 149 - 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.

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.
- I In the Properties pane, set the "Select UI" property to the interface



## to value prompt

~ CONDITIONAL	
Style variable	
Render variable	
✓ DATA	
Data format	
Query	
Use value	
Display value	
Static choices	
Rows per page	5000
Properties	
~ GENERAL	
Required	
Multi-select	
Select UI	Drop down list
Auto-submit	
Cascade source	
Pre-populate	
Hide adornments	
Range	
Parameter	Parameter2
Default selections	
~ BOX	
Box type	
V COLOR & BACKGROUND	
Background color	
Foreground color	
V FONT & TEXT	
Font	

#### Figure 542 - Modifying prompts - Properties - General - Select UI - List box

Select UI	List box	~
Auto-submit	List box	հո
Cascade source	0	9
Pre-populate	Drop down list	
Hide adornments	Radio button gr	oup

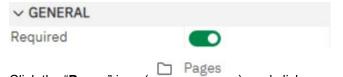
## Figure 543 - Modifying prompts - Properties - General - Select UI - List box



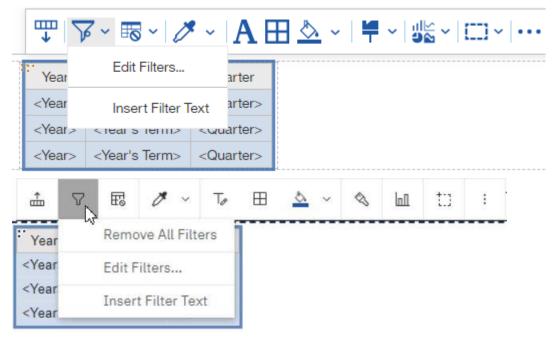
## 8.10.4.2 Prompt requires user input

You can specify that a prompt requires user input before the report can run.

- Click the prompt control.
- I In the Properties pane, click the left side of the "**Required**" property checkbox.



- Click the "Pages" icon (
  - icon ( ), and click a report page.
- I Click the report object associated with the prompt, from the report object toolbar, click "Filters" and then click "Edit filters".



- I Click the filter associated with the prompt.
- I In the "Usage" box, click "Required".



♡ [(en-zw) Settled Cash Transfers per	15 min Information].[ Usage
	Required
	O Optional
	O Disabled
	Application
	<ul> <li>Before auto aggregation</li> </ul>
	After auto aggregation
ΘΔ	Can be changed in the viewer

#### Figure 544 - 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.

I Click the prompt control.



- In the Properties pane, choose whether to allow users to specify more than one value or a range of Т values:
  - To allow users to specify more than one value, set the "Multiselect" property to "Yes".

t:) ~ Value prompt	t
~ CONDITIONAL	
Style variable	
Render variable	
Data format	
Query	
Use value	
Display value	
Static choices	
Rows per page	5000
Properties	
✓ GENERAL	
Required	
Multi-select	
Select UI	List box
Auto-submit	
Cascade source	
Pre-populate	
Hide adornments	
Range	
Parameter	Parameter2
Default selections	

## Figure 545 - Modifying prompts - Properties - General - Multi-select

Pages Click the "Pages" icon ( L.

), and click a report page.

- Click the report object associated with the prompt, from the report object toolbar, click "Filters" (  $\bigtriangledown$  ) L and then click "Edit filters".
- Double-click the filter associated with the prompt. L



	Usage
♡ [(en-zw) Settled Cash Transfers per 15 min Information].[	Required
	<ul> <li>Optional</li> </ul>
	O Disabled
	Application
	Before auto aggregation
	O After auto aggregation
•	Can be changed in the viewer
+ 🖂 🖉	

## Figure 546 - Modifying prompts - Filters - Edit filters

Click the "Edit" icon (  $\overset{\textcircled{}}{\sim}$  ) and type an operator like the following example:

-	=	^
	=	
	>	
E	>=	
	<	
	<=	
	in	
	not in	
	in_range	

Figure 547 - Modifying prompts - Operator



х

#### Detail filter expression - Query1



#### Figure 548 - Modifying prompts - Detail filter expression

- I 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.
- I 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.

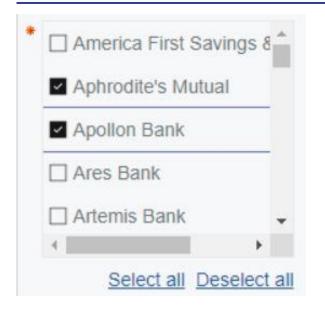
*	America First Savings & Lo	-	
	Aphrodite's Mutual		
	Apollon Bank		
	Ares Bank		
	Artemis Bank	*	
	4 · · · · · ·		
	Select all Deselect	all	

#### Figure 549 - 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".

Select UI	Check box group ^	
Auto-submit	List box	
Cascade source		
Pre-populate	Check box group	





## Figure 550 - 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.

✓ GENERAL	
Required	
Multi-select	
Select UI	Check box group
Auto-submit	0
Cascade source	
Pre-populate	
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.

- 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 ( <sup>t</sup>) 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.

Default selections		Add		×
		Minimum value:		
		Maximum value:		
		Cancel	ок	
+ ⊖ ∠ ↑ ↓				
Cancel	ОК			

#### Figure 552 - 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.
- I 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.

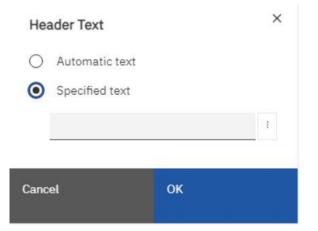


## ✓ PROMPT TEXT

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 553 - Modifying prompts - Properties - Prompt Text

Click "**Specified text**", and then click the three dots button.



## Figure 554 - Modifying prompts - Properties - Prompt Text - Header Text

In the "Localized text" dialog box, type the text that you want to appear.



Localized text		×
Default text:		
Language	Text	
+ 🖂 🖉		
Cancel	ок	

Figure 555 - 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.



°ta 🖬 🔍		
Q Find	~	
> PINNED		
> TEXTUAL		
> LAYOUT		
> DATA CONTAINER		
V PROMPTING		
1 Text box prompt		
📼 Value prompt		
🕫 Select & search prompt		
🔂 Date & time prompt		
🛱 Date prompt		
Time prompt		
🛥 Interval prompt		
⁰la Tree prompt		
😅 Generated prompt		
Prompt button		
ADVANCED		

#### > ADVANCED

## Figure 556 - Modifying prompts - Add prompt buttons - Toolbox - Prompt button

I 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	Reprompt
Reprompting users is useful when you have cascading	
prompts.	

t:] - Prompt button		
~ CONDITIONAL		
Style variable		
✓ GENERAL		
Туре	Next	^
✓ BOX	Cancel	
Border	Back	
Padding	Баск	
Margin	Next	
✓ COLOR & BACKGROUND	Finish	
Background image	Papromot	
Background color	Reprompt	

#### Figure 557 - 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.

- I 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.
- I In the Properties pane, double-click the "**Cascade source**" property.



#### tij v Value prompt

Rows per page	5000	
Properties		
✓ GENERAL		
Required		
Multi-select		
Select UI	Drop down list	
Auto-submit		
Cascade source	1	
Pre-populate		
Hide adornments		
Range		
Parameter	Parameter1	
Default selections		

#### Figure 558 - Modifying prompts - Value prompt - Properties - General - Cascade source

Cascade source	×
	~
Cancel	ок

#### Figure 559 - Modifying prompts - Value prompt - Properties - General - Cascade source - Select Parameter

- I Click the parameter that represents the cascade source.
- I 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"

✓ CONDITIONAL		
Style variable		
✓ GENERAL		
Туре	Reprompt	^
✓ BOX	Cancel	
Border	Back	
Padding	DACK	
Margin	Next	
V COLOR & BACKGROUND	Finish	
Background image	Deserved	
Background color	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	Measure



DWH objects	Description	Measure/Object
	current maintenance period, and the 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
AS settlement procedure	A specific set of processes and	Object



DWH objects	Description	Measure/Object
	functions in the T2 Service that an ancillary system can use for the settlement of AS transfer orders.	
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
Business date	Indicates the business date	Object



DWH objects	Description	Measure/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
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	Object



DWH objects	Description	Measure/Object
	in a cash transfer order	
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	
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
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



DWH objects	Description	Measure/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 Services, Minimum Reserve Management, BILL and Central Bank operations(CBO).	Object
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



DWH objects	Description	Measure/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
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	Object



DWH objects	Description	Measure/Object
	reserve exemption tier on the base of the minimum reserve amount	
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
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



DWH objects	Description	Measure/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.	
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	Measure



DWH objects	Description	Measure/Object	
	amount of IDC used and the sum of values of queued cash transfer orders for the time band		
Minimum reserve interest rate	Rate (in %) to calculate the interest Object amount on minimum reserve.		
Minimum reserve obligation	Minimum reserve obligation	Object	
Minimum reserve requirement	Amount of minimum reserve to be held Object at the end of each day of the maintenance period.		
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.		
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	
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	a Object	
Number of events (amount of credit line)	Number of events within a system Measure entity and a given time period, in which		



DWH objects	Description	Measure/Object		
	the total amount of credit lines changed			
Number of events (cash transfer order)	<ul> <li>Number of events in a timeline, in Measure</li> <li>which a credit line, intraday credit</li> <li>usage or a cash transfer order</li> <li>changed.</li> </ul>			
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 Measure negative account balance at least once during a certain time			
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		
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 Object city of a monetary financial institution			
Party BIC	BIC11 of a Party Object			
Party BIC and Name	BIC11 and short name of a Party, Object			



DWH objects	Description	Measure/Object	
	delimited by a hyphen		
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.		
Peak Day value	In DWH the business day at which the maximum value total of cash transfer orders of a given status was reported	r	
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	Measure	



DWH objects	Description	Measure/Object	
	reserve balances which did not meet the minimum reserve requirement in a maintenance period		
Penalty rate 2 (repeated infringement)	nt)       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	
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.	ness ut n	
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	



DWH objects	Description	Measure/Object	
Reference	Unique identifier assign to any Object transaction		
Reference 1	Identifies a transaction identifier Object provided by an originating party. The used reference type depends on the message type and the cash transfer type of a cash transfer order.		
Reference 2	Identifies a transaction identifier Object provided by an originating party. The used reference type depends on the message type and the cash transfer type of a cash transfer order.		
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	
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	



DWH objects	Description	Measure/Object
Sender BIC	BIC of the actor who is authorised to Object send messages and/or files to CLM and/or RTGS.	
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
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	Measure



DWH objects	Description	Measure/Object	
	within the month compared to the total of service items charged (in %)	I	
Standard deviation	Average of the absolute deviationsMeasurefrom an arithmetic average of amounttotals of queued cash transfer orders.		
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		
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	
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 Object assign to any transaction.		
Type of Credited Account	Cash account type of the account, which is credited by a cash transfer order.	Object	



DWH objects	Description	Measure/Object	
Type of Debited Account	Cash account type of the account, Object which is debited by a cash transfer order.		
UETR	Universal-End-to-End-Transaction Object Reference which can be provided as an identifier of a cash transfer order		
Unpublished BIC	In DWH a cash account BIC is marked Object as "unpublished" that is not published in the RTGS Directory.		
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	
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		
Value of payments sent	Settlement amount total of sent Measure payments		
Value of Settlement	Settlement amount	Measure	
Volume	The number of cash transfer orders in Measure a given time period.		



#### Additional information

CLM/RTGS inbound XML messages available in the DWH

DWH objects	Description	Measure/Object	
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	umber of cash transfer orders Measure ebited/credited/sent/received to a ash account of a party in a given time terval.		
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	
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.	,	
Year (from)	Year (from)	Object	
Year (to)	Year (to)	Object	

Table 150 - 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
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 151 - 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

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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.
- I Central banks with a significant number of payments banks and ancillary systems would require significant effort to configure and schedule the reports.
- I Multiple record types in a single file is very complex to process by the receiving application
- I 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:

- I 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;
- I 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. Decimals without decimal places will end with "." Field is padded with "0" on left side 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 9999-01-01-00.00.000000 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.

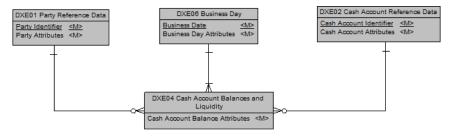
#### 9.3.3.2 Party to cash account reference data file relationship

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.



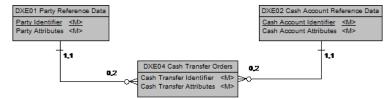
#### 9.3.3.3 Cash account balance and liquidity to reference data file relationships

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/Opti onal	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. Code and Description:



No.	Logical Name	Data Type	Mandatory/Opti onal	Definition
				<ol> <li>T2SO: Operator</li> <li>NCBK: Central Bank</li> <li>PMBK: Payment Bank</li> <li>ANSY: Ancillary System</li> </ol>
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.
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	<ul> <li>This field specifies whether the record is active or is logically deleted.</li> <li>Code and Description:</li> <li>DELE: Deleted</li> <li>ACTV: Active</li> </ul>

#### 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/Opti onal	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



no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
				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	<ul> <li>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.</li> <li>Code and Description <ul> <li>RDCA: RTGS DCA</li> <li>CMCA: CLM Main cash account</li> <li>CCAC: CLM CB account</li> <li>ATEC: AS technical account for procedures</li> </ul> </li> </ul>



## Additional information

DXE file documentation	١
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no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
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
				Code and Description
				RTGS:
				RDCA: RTGS DCA
				RCBA: RTGS CB account
				ATEC: AS technical account for procedures A and B (ATEC)
				ATEC: AS technical account for procedures C and E (ATEC)
				ATEC: AS technical account for procedure D (ATEC)
				AGAC: AS guarantee funds account
				RSAA: RTGS sub-account
				RTAC: RTGS dedicated transit account
				CLM:
				CMCA: CLM Main cash account
				CCAC: CLM CB account
				ONDP: Overnight deposit account)
				MGLD: Marginal lending account
				CEMA: ECB mirror account
				CECB: CB ECB account
				CTEC: CLM technical account for ECONS II
				CTTS: CLM dedicated transit account for T2S
				CTTI: CLM dedicated transit account for TIPS
				CTRT: CLM dedicated transit account for RTGS



no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
				ECONS2: ECCA: Contingency Cash Account ECCB: CB Contingency Account ECTA: Contingency Technical Account ECTR: Contingency Transit Account ECTR: Contingency Transit Account CSHA: T2S Dedicated Transit Account NCBA: T2S Central Bank Account CSHA: T2S Dedicated Cash Account CSHA: T2S Dedicated Cash Account TIPS TACC: TIPS Accounts TTAC: Transit Accounts 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.



no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
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		This field defines the actual date that cash account is eligible for settlement on the Eurosystem market infrastructure.
15	Credit Based Only Flag	SMALLINT		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. Code and Description T: Account is credit based only 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. Code and Description P: Party



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
				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	<ul> <li>This field specifies the type of grouping for parties or cash accounts.</li> <li>Code and Description <ul> <li>BANK: Banking Group</li> <li>ACCM: Account Monitoring Group</li> <li>LQTR: Liquidity Transfer Group</li> <li>SETL: Settlement Bank Account Group</li> </ul> </li> </ul>
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.



no.	Logical Name	Data Type	Mandatory/Opti onal	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.
				Code and Description
				<ul><li>0: RTGS DCA</li><li>1: RTGS CB account</li></ul>
				<ul> <li>3: AS technical account for procedures A and</li> <li>B</li> </ul>
				<ul> <li>4: AS technical account for procedures C and</li> <li>E</li> </ul>
				5: AS technical account for procedure D
				7: AS guarantee funds account
				9: RTGS sub-account
				40: RTGS dedicated transit account
				1 100: MCA
				I 101: CLM CB account



no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
				<ol> <li>105: Overnight deposit account</li> <li>106: Marginal lending account</li> <li>111: ECB mirror account</li> <li>112: CB ECB account</li> <li>113: CLM technical account for ECONS II</li> <li>130: CLM dedicated transit account for T2S</li> <li>135: CLM dedicated transit account for TIPS</li> <li>140: CLM dedicated transit account for RTGS</li> </ol>
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	<ul> <li>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.</li> <li>Code and Description <ol> <li>0: No - there are bilateral limits</li> <li>1: Yes - neither multilateral limit nor bilateral limits will be applied</li> </ol> </li> </ul>
17	Defined Multilateral	DECIMAL(31,2)	Optional	This field specifies the extended relationship limit



no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
	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. 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.
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



no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
				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.
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'.



no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
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	<ul> <li>This field specifies the pending credit line mark.</li> <li>Code and Description <ol> <li>0: None</li> <li>1: Fixed</li> <li>2: Delta</li> </ol> </li> </ul>

#### 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).



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
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).
13	From Service	VARCHAR(4)	Mandatory	<ul> <li>This field documents the service or service component that debited the cash transfer.</li> <li>Code and Description <ol> <li>CLM: T2 Service Central Liquidity Management</li> <li>RTGS: T2 Real-time Gross Settlement</li> <li>T2S: TARGET2-Securities</li> <li>TIPS: TARGET Instant Payments</li> </ol> </li> </ul>
14	To Service	VARCHAR(4)	Mandatory	This field documents the service or service



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
				<ul> <li>component that credited the cash transfer.</li> <li>Code and Description <ol> <li>CLM: T2 Service Central Liquidity Management</li> <li>RTGS: T2 Real-time Gross Settlement</li> <li>T2S: TARGET2-Securities</li> <li>TIPS: TARGET Instant Payments</li> </ol> </li> </ul>
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). 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). 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. Usage: pacs.008, pacs.009, pacs.010 and camt.050
19	Cash Transfer Property	SMALLINT	Mandatory	<ul> <li>This field documents the high-level category into which the cash transfer order falls for processing in CLM-RTGS.</li> <li>Code and Description <ul> <li>0: Original payment</li> <li>1: Return payment</li> </ul> </li> </ul>



Additional information

DXE file documentation

no.	Logical Name	Data Type	Mandatory/ Optional	Definition
				<ol> <li>2: Original cancelled</li> <li>3: Not bookable</li> </ol>
20	Message Type	VARCHAR(15)	Mandatory	<ul> <li>The field specifies the ISO 20022 message type from which the cash transfer order was generated.</li> <li>pain.998</li> <li>camt.050</li> <li>camt.056</li> <li>pacs.004</li> <li>pacs.009</li> <li>pacs.008</li> <li>pacs.010</li> <li>UNKNOWN</li> </ul>
21	Settlement Type	SMALLINT	Mandatory	<ul> <li>This field specifies the process that settled the cash transfer order.</li> <li>Code and Description <ol> <li>0: Pending (not yet booked)</li> <li>1: Entry disposition</li> <li>2: Express algorithm</li> <li>3: Settlement of a connected payment</li> <li>4: AS settlements not booked by Entry disposition or algorithm</li> <li>11: Algorithm 1</li> <li>12: Algorithm 2</li> <li>13: Algorithm 3</li> <li>14: Algorithm 4</li> <li>15: Algorithm 5</li> <li>20: Liquidity transfer and other immediately booked ICM orders</li> <li>80: End-of-day booking</li> </ol> </li> </ul>



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
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.
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. Code and Description 005: Warehoused 015: Queued 020: Earmarked 505: Settled 506: Partially settled
				<ul><li>515: Rejected</li><li>520: Revoked</li></ul>
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. Code and Description



Additional information

DXE file documentation

no.	Logical Name	Data Type	Mandatory/ Optional	Definition
				<ol> <li>62: warehoused</li> <li>561: settled</li> <li>562: not settled due to removal EOD or during the day</li> <li>563: reversed</li> <li>565: payment revoked including disagreement after blocking</li> <li>566: cancelled</li> </ol>
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.
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.
35	Classification	VARCHAR(10)	Mandatory	This field provide the category and classification of the transfer order according to the Eurosystem statistical classification framework.



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
				Code and Description
				<ul> <li>For CLM:</li> <li>C.10.00: CLM Intra</li> <li>C.10.20: CLM LT RTGS</li> <li>C.10.30: CLM LT T2S</li> <li>C.10.40: CLM LT TIPS</li> <li>C.11.01: Open Market Operations</li> <li>C.11.02: Standing Facilities</li> <li>C.11.03: Reserve and Account Management</li> <li>C.11.04: Inter Central Bank transactions</li> <li>C.11.05: Connected payments for credit line changes</li> <li>C.11.06: Non-euro area Central Bank operations</li> <li>C.11.09: Other (including cash transactions)</li> <li>C.12: Billing</li> <li>C.13: TARGET Balances</li> <li>C.14.01: Levelling out of closed accounts</li> <li>C.14.02: ECONS2 back transfers</li> </ul>
				<ul><li>C.14.03: Seizure of funds</li><li>C.19: Other</li></ul>
				For RTGS: R.20.00: RTGS Intra
				R.20.10: RTGS LT CLM
				R.20.30vRTGS LT T2S
				R.20.40: RTGS LT TIPS
				R.21.01: Payments Interbank
				R.21.02vPayments Customer



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
				<ul> <li>R.21.09vOther</li> <li>R.22.01: AS Transactions HVPS</li> <li>R.22.02: AS Transactions RPS</li> <li>R.22.03: AS Transactions IPS</li> <li>R.22.04vAS Transactions SSS</li> <li>R.22.05vAS Transactions FXS</li> <li>R.22.06: AS Transactions MMS</li> <li>R.22.07: AS Transactions CCP</li> <li>R.22.09: AS Transactions Other</li> <li>R.23.01: Levelling out of closed accounts</li> <li>R.29: Other</li> </ul>
36	Liquidity Transfer Type	VARCHAR(10)	Mandatory	This field specifies categorises liquidity transfer orders according to their processing characteristics in T2. Code and Description A: Automated I: Immediate Q: Rule-based Queued R: Rule-Based Floor/Ceiling S: Standing order N/A: Not applicable
37	Liquidity Transfer Direction	VARCHAR(10)	Mandatory	<ul> <li>This field provides for a liquidity transfer order the category for the exchange of funds.</li> <li>Code and Description <ol> <li>S: Intra-service liquidity</li> <li>O: Outgoing liquidity</li> <li>I: Incoming liquidity</li> <li>T: Technical liquidity transfer (only for CLM)</li> <li>N/A: Not applicable</li> </ol> </li> </ul>



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
38	Settlement Window	VARCHAR(10)	Mandatory	This field specifies the period during the T2 business day in which the cash transfer order settled.
				<ul> <li>Code and Description</li> <li>1: CLM real-time settlement – Transactions settled during the CLM Real Time Settlement phase</li> <li>2: DTOO real time settlement – Transactions</li> </ul>
				<ol> <li>2: RTGS real-time settlement I – Transactions settled during the RTGS Settlement Window 1</li> <li>3: RTGS real-time settlement II – Transactions settled during the RTGS Settlement Window 2</li> <li>N/A: Not applicable</li> </ol>
39	Initiator Type	VARCHAR(10)	Mandatory	<ul> <li>This field documents the type of party that instructed the cash transfer order.</li> <li>Code and Description <ul> <li>A: Orders instructed by a third party which is an AS</li> </ul> </li> </ul>
				<ul> <li>B: Orders instructed by a third party which is a central bank</li> <li>C: Orders instructed directly by the credit participant</li> <li>D: Orders instructed directly by the debited</li> </ul>
				<ul> <li>participant</li> <li>P: Orders instructed by a third party which is neither an AS nor a central bank</li> <li>S: System generated transactions</li> </ul>
40	Return Transaction	VARCHAR(10)	Mandatory	This field documents whether the cash transfer order is a return payment. Code and Description
				1. N: Not return payment



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
_				2. Y: Return payment
41	Contingency Payments	VARCHAR(10)	Mandatory	This field documents whether the cash transfer order is a contingency payment.
				<ul> <li>Code and Description</li> <li>M: Mandated payments – payments that a central bank instructs on behalf of its RTGS Account Holder in contingency situations</li> <li>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</li> <li>N: Regular intra-bank payment orders</li> <li>N/A: Not applicable</li> </ul>
42	Component System Payments	VARCHAR(10)	Mandatory	<ul> <li>This field documents whether the cash account involved in the cash transfer order belong to the same central banks or different central banks.</li> <li>Code and Description <ol> <li>E: Extra-Component system payments, for which the debited and the credited accounts belong to different central banks</li> <li>I: Intra-Component system payments, for which the debited and the credited accounts belong to the same central bank</li> </ol> </li> </ul>
43	Intragroup Transactions	VARCHAR(10)	Mandatory	<ul> <li>This field specifies whether the cash transfer order is intra-group.</li> <li>Code and Description <ol> <li>N/A: Not applicable</li> <li>Y: intra-group cash transfer</li> <li>N: Not an intra-group cash transfer</li> </ol> </li> </ul>



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
44	Correspondent Banking	VARCHAR(10)	Mandatory	This field provides the corresponding banking classification of the cash transfer order.
				<ul> <li>Code and Description</li> <li>N/A: Not applicable</li> <li>B: the transaction is correspondent banking on both sending and receiving sides</li> <li>N: the transaction is not correspondent banking on either side</li> <li>R: the transaction is correspondent banking on the receiving side and not on the sending side</li> <li>S: the transaction is correspondent banking on the sending side and not on the receiving side</li> </ul>
45	CLM Central Bank Operation Subtype	VARCHAR(10)	Optional	<ul> <li>This field provides the classification for the central bank operation underlying the cash transfer order.</li> <li>Code and Description <ul> <li>N/A: Not applicable</li> <li>MLA: Automated Marginal Lending</li> <li>MLO: Marginal Lending on request (setting-up order)</li> </ul> </li> <li>MLR: Marginal Lending reimbursement <ul> <li>MLI: Interest payment for Marginal Lending</li> <li>ODO: Overnight Deposits (setting-up-order)</li> <li>ODR: Overnight Deposits refund</li> <li>ODR: Overnight Deposits refund</li> <li>ODR: Repayment for Overnight Deposits</li> <li>OMR: Repayment of principal or interest</li> <li>OMS: Set-up of operation</li> <li>RMI: Interest payment for minimum reserves</li> <li>REI: Interest payment for excess of reserves</li> <li>RMP: Penalties for minimum reserves</li> </ul> </li> </ul>



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
				<ul> <li>RAI: Interest payment on accounts</li> <li>RMO: Other reserve management transactions</li> <li>SFO: Other standing facilities transactions</li> </ul>
46	RTGS Intra Settlement Service Liquidity Transfers	VARCHAR(10)	Optional	This field provides the classification for RTGS intra- service liquidity transfers
				<ul> <li>Code and Description</li> <li>1: RTGS DCA to RTGS DCA – Intra-service liquidity transfers between two RTGS DCAs</li> <li>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.</li> <li>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</li> <li>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 settlement procedure C) – Liquidity transfers from a technical or linked sub-account dedi-cated to an ancillary system using the AS settlement procedure C to an RTGS DCA</li> <li>5: Ancillary System Technical Account to RTGS DCA (AS settlement procedure D) – Liquidity transfers from a technical account related to an ancillary system using the AS settlement procedure D – Liquidity transfers from a technical Account to RTGS DCA (AS settlement procedure D) – Liquidity transfers from a 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</li> <li>6: RTGS DCA to Ancillary System guarantee accounts – Liquidity transfers from an RTGS DCA to the guarantee account of an ancillary system</li> <li>7: Ancillary System guarantee accounts to RTGS DCA – Liquidity transfers from the</li> </ul>



no.	Logical Name	Data Type	Mandatory/ Optional	Definition
				<ul><li>guarantee ac-count of an ancillary system to an RTGS DCA</li><li>N/A: Filter not applicable</li></ul>
47	RTGS Ancillary System Settlement Procedure	VARCHAR(10)	Optional	The filter provides the classification for the AS settlement procedure. Code and Description A: AS settlement procedure A B: AS settlement procedure B C: AS settlement procedure C D: AS settlement procedure D E: AS settlement procedure E 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.
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		Mandatory/Opti onal	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.



no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
				<ul> <li>Code and Description for CLM Events</li> <li>CSOD: Change of business day</li> <li>CRTI: Start of CLM RTS</li> <li>CESO: Execution of standing orders in CLM</li> <li>CSCC: Start of currency specific closing</li> <li>CSMW: Start of non-optional maintenance window</li> <li>CEMW: End of non-optional maintenance window</li> <li>CECC: End of currency specific closing</li> <li>CSOM: Start of optional maintenance window</li> <li>CEOM: End of optional maintenance window</li> <li>CEOM: End of optional maintenance window</li> <li>CEOM: End of optional maintenance window</li> <li>CEOM: End of optional maintenance window</li> <li>CEOM: End of processing</li> <li>CCSF: General cut-off for standing facilities</li> <li>CCML: CB cut-off for marginal lending on request</li> <li>CCOS: EoD - close of service</li> </ul>
				<ul> <li>Code and Description for RTGS Events</li> <li>RSOD: Change of business day</li> <li>RRTI: Start of RTGS RTS</li> <li>RESO: Execution of standing orders in RTGS</li> <li>RSCC: Start of currency specific closing</li> <li>RSMW: Start of non-optional maintenance window</li> <li>REMW: End of non-optional maintenance window</li> <li>RECC: End of currency specific closing</li> <li>RECC: End of settlement window for interbank and customer payments</li> </ul>



## Additional information

DXE file documentation	ſ
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no.	Logical Name	Data Type	Mandatory/Opti onal	Definition
				<ol> <li>RSOM: Start of optional maintenance window</li> <li>REOM: End of optional maintenance window</li> <li>RCOC: Cut-off for customer payments</li> <li>RCII: Cut-off for RTGS RTS II</li> <li>RLSO: Execution of standing orders after last settlement attempt in RTGS</li> <li>REOD: Start of EoD processing</li> <li>RCOS: EoD - close of service</li> </ol>
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.



## 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 a central bank for its parties for a given business day and the time band of the business day the following historic information from CRSS:

- Maximum intraday credit amount;
- Minimum intraday credit amount;
- I Intraday credit standard deviation amount;
- I 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]



#### Screen Description

tar	'9⊈  ≣- ⁄ ೧ ೧ 0- C	IDC02 - Credit line/IDC delly reporting 🐱	▼ … < △ ≗ 0
₫ 0,	IDC02H - Credit line/IDC daily reporting		
10	Date :* Apr 23, 2023  Keywords		
	reput Anywords Terre		
80	No Results		
•			
	Perty BIC *		
	and here t		
	Starts with any of these keywords 🛩		
	Cancel Finish		
2			

#### Figure 560 - 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. 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. This field is mandatory.

Table 152 - IDH02 - Prompt screen description



#### Screen Description

2	1								
	Amount of	credit line	Amount of IDC u	ed Queued	I cash transfer o	rders .			
	tar	get				1	DC02H-Cr	/IDC daily reporting	2
		-	al Bank of Fiction						
	Films Date								
	Part	YERC: PEA	EHMDOXX - Gring	otta Barik					
2	Amount of								
	Time		Weighted average	Meima	Maxima	Standard deviation	Number of events		
	19:30:00	06:59:59	4,375,000.00	2,500,000.00	5.000.000.00	66.87	4		
	08:00:00		5,000,000,00	5,000,000,00		0.00	0		
	09:00:00	09:59:59	5,000,000,00	5,000,000,00		0.00	0		
	10.00.00	10.59.59	5,000,000,00	5,000,000,00		0.00	0		
	11.00-00	11.59.59	5.000.000.00		5.000.000.00	0.00	0		
	12:00:00	12:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0		
	13.00.00	13:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0		
	14:00:00	14.59.59	5,000,000.00	5,000,000.00	5,000,000.00	6.00	0		
	15:00:00	15:59:59	5,000,000.00	5,000,000.00	5,000,000.00	0.00	0		
	15:00:00	10.09.59	5,000,000.00	2,500,000.00	7,500,000.00	0.00	0		
	17:00:00	17:59:59	2,500,000.00	2,500,000.00	2,500,000.00	0.00	0		
	18.00.00	18:59:59	2,500,000.00	2,500,000.00	2,500,000.00	6.00	0		
	Total		4,554,59770	2,500,000.00	7,500,000.00	591,092.03			

Figure 561 - IDH02 Results screen (1) for credit line amounts

	-		A A 🖲	- C				DC02 - Credit line/TDC daily reporting 🐱	▼… ≪ ۵	2
ŧ,	1									
	Amount of	credit line	Amount of EDC up	and Que	ed cash transfe	r orders				
1	tar	get					IDC02H-	redit line/IDC daily reporting	,	2021-
a	ELONADO	OOX - Certh	al Bank of Fiction							
	Date:									
1	Part	YERC: PEV	ERCHERENCE - Gring	otts Barik						_
1										
	lenount of I	DC used								
	Tarne		Weighted average	Mexima	Masima	Standard deviation				
	19:30:00		3,300,000.00	0.00	4,561,2563.00	92.92	1,204			
		07.59.59	200,000.00	50,000.00	250,000.00	0.26	15			
	08:00:00	08.59.59	200,000.00	0.00	200,000.00	120	1			
		09:59:59	400,000.00	50,000.00	425,000.00	2.11	2			
	10:00:00	10.59.59	960,000.00	72,500.00	1,000,000.00	53.61	199			
	11:00:00	11.59-59	400,000.00	50,000.00	2,100,000.00	32.61	204			
	12:00:00	12:59:59	875,000.00	100,000.00	2,750,000.00	0.49	30			
	13:00:00	13:59:59	550,000.00	62,500.00		1.58	15			
	14:00:00	14:59:50	400.000.00	0.00	500,000.00	011	3			
	15:00:00	15:59:59	100,000.00	0.00	450,000.00	0.00	3			
	16:00:00	10:59:59	100,000.00	0.00	400,000.00	0.00	4			
	17:00:00	17:59:59	100,000,00	0.00	350,000.00	0.00	2			
	18.00.00	18.59.59	75,000.00	0.00	300,000.00		1			
	Total		1,790,977.01	0.00	4,561,250.00	1,472,520.09	1,673			

Figure 562 - IDH02 Results screen (2) for intraday credit amount used



# target

ar	.Gec		00	• ° C	_			IDC02 - Cre	ine/IDC daily reporting 🗸 🧧 🕄 🔤 🕴
2	1								
	Amount d	credit line	Amount of IDC	used Queued o	auh transfer o	orders			
1	tar	get					IDC02H	- Credit li	/IDC daily reporting
-			al Bank of Fiction						D
	Filters Date Part	201 9 BIC: PE/	8-12-17 VERMIDEXXX - Gri	ngotta Bank					
	Ourned Ca	inth Transfer		Weighted average	Meima	Maxima	Standard deviation	Number of exercise	
	19:30:00		1,204	92,750.00	0.00	882,353.00	340.22	803	
	07:00:00	07.59.59	29	14,600.00	13,645.00	17,176.00	4.61	30	
	08:00:00	08:59:59	0	16,650.00	0.00	0.00	0.00	0	
	09:00:00	09.59.59	37	18,750.00	17,523.00	22,059.00	3.52	38	
	10:00:00	10:59:59	41	20,850.00	19,486.00	24,529.00	0.27	42	
	11:00:00	11:59:59	45	22,900.00	21,402.00	26,941.00	4.45	46	
	12:00:00	12:59:59	49	25,000.00	23,364.00	29,412.00	5.58	50	
	13:00:00	13:59:59	54	27,100.00	25,327.00	31,882.00	0.40	55	
	14:00:00	14:59:59	58	29,150.00	27,243.00	34,294.00	0.10	59	
	15:00:00	15:59:59	0	0.00	0.00	0.00	0.00	63	
	16:00:00	16:59:59	0	0.00	0.00	0.00	0.00	67	
	17:00:00	17:59:59	0	0.00	0.00	0.00	0.00	71	
	18:00:00	18:59:59	0	0.00	0.00	0.00	0.00	75	
	Total		595.63	52,821.84	0.00	882,353.00	39,335.07	1,399	

#### Figure 563 - IDH02 Results screen (3) for queued cash transfer orders

IDH02 – Result screen description	
Field label	Field label
The results are available in separate tables Orders	for Amount of Credit Line, Amount of IDC Used/ and Queued Cash Transfer
Time band	Time band 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	<ul> <li>The column displays for a time band the weighted average of</li> <li>the credit line amount</li> <li>the amount of IDC used</li> <li>the sum of values of queued cash transfer orders</li> </ul>
Minima	<ul> <li>The column displays for a time band the minimum of</li> <li>the credit line amount</li> <li>the amount of IDC used</li> <li>the sum of values of queued cash transfer orders</li> </ul>



IDH02 – Result screen description	
Maxima	The column displays for a time band the maximum of the credit line amount
	I the amount of IDC used
	the sum of values of queued cash transfer orders
Standard deviation	<ul> <li>The column displays for a time band the standard deviation of</li> <li>the credit line amount values</li> <li>the amounts of IDC used</li> </ul>
	the sum of values of queued cash transfer orders
Number of events	This column displays for a time band a sum of the changes to the credit line
	changes to the account balance influencing the IDC use
	Queued cash transfers

Table 153 - 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]



#### Screen Description

tar	rg€t  ≞+ ∥ ດ ດ 0- d	1DC03 - Cradit line/IDC av and maxima (account lavel) 🗢	Y 📽 🗅 🙎 📀
۵			
0,			
	Date From: * Apr 23, 2021 Date To : * Apr 23, 2021		
	Input keywords here		
-	: No Results		
•			
	Perty BIC 1*		
	Starts with any of these keywords 🛩		
	Case Insensitive		
	Cancel Finish		
0			
-			
-			

#### Figure 564 - 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. 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). This field is mandatory.
Party BIC	This drop-down 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. This field is mandatory.

#### Table 154 - IDH03 – Prompt screen description



Historic intraday credit reports (IDH)

#### Results screen

	<b>1</b>						
	Credit line/IDC averages	s and maxima on acc	ount level (Table	e)			
	target			IDC03 - C	redit line	averages and maxima (account level)	2021- 16 DEV - Development and integ
3	CBXXKMD0XXX - Centra	and the second se					CCA Development and rang
	Filters Date From : 201 Date To : 201	8-12-19					
		ABKMD0XXX - Gring	otts Bank				
		Credit line a	mount	Intraday cre	idit use		
	Date	Weighted average	Maxima	Weighted average	Maxima		
	2018-12-17	4.554.597.70	7,500,000.00	1,790,977.01			
	2010-32-37	-4,504,597.70	7,500,000,00	1/10/01/01	6,250,000.00		
	2018-12-18	4,554,597.70 910,919.54		358,195.40	8,250,000.00		
			1,500,000.00				
	2018-12-18	910,919.54 455,459.77	1,500,000.00	358,195.40 179,097.70	1,250,000.00		
	2018-12-18 2018-12-19	910,919.54 455,459.77	1,500,000.00 750,000.00	358,195.40 179,097.70	1,250,000.00 625,000.00		

#### Figure 565 - IDH03 credit line amount and IDC use

IDH03 – Result screen descripti	on
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.
Maximum over period	Highest amount of the respective column.

#### Table 155 - 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 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]

#### Screen Description

ta	Pg€t  ≞ v 🖉 ର ര © - ୯	IDC05 - Maximum of credit line used 🗸 🛩	Y 📽 🗅 👤 📀
<ul><li>▲</li><li></li></ul>	Pun report for a specific Party BIC or for all parties : * For a specific Party BIC	✓ Reprompt	
13 13 10 10	Plan report for a specific Party BIC Date From :  22 Apr 2021  Center To :  22 Apr 2021  Center To :  22 Apr 2021  Center To :  22 Apr 2021  Center To :  24 Apr 2021  Center To :  25 Apr 2021  Center To :  26 Apr 2021  Center To :  27 Apr 2021  Center To :  28 Apr 2021  Center To :  29 Apr 2021  Center To :  20 Apr 2021  Center		
	Party BIC:*		
2	Starts with any of these keywords 🛩  Case Insensitive  Cancel Finish		

Figure 566 - IDH05 prompt screen with specific party BIC selection



Historic intraday credit reports (IDH)

ta	rget  🛯 🗸 🥒 n n 💿 🖉 C	IDC05 - Maximum of credit line used 🗸 🗸	▼ … ≪ 4 ደ 0
≏			
0.	Run report for a specific Party BIC or for all parties .* For all parties	Reprompt	
	Run report for all parties	and a second sec	
	Date :* 22 Apr 2021		
<b>E</b>	Cancel Finish		
0			
9			
E.			

Figure 567 - IDH05 prompt screen with multiple party selection



IDH05– Prompt screen description	
Field label	Description
Run report for a specific party BIC or for all parties	This drop-down list allows the user to select whether the
	report is for all parties or a single party.

IDH05 – Prompt screen descrip	IDH05 – Prompt screen 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. 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). This field is mandatory.						
Party BIC	This drop-down field allows the user to select the party BIC. This field will show all related BICs that belong to the respective party of the user. When the user does not select a party BIC, the report only shows results for all parties of the respective user based on the date in the field "Valid From". This field is optional.						

Table 156 - IDH05 – Prompt screen



#### Results screen

â								
targ	eti							2021-0
								DEV - Development and integr
	OX - Central Bank							
Filters Date F	rom: 2017-12-17	Date To :2019- XXXX - Gringoth	-12-19 Rent					
Trany		unn - unigue	N LNR M.					
Default MC/	A: MACASHPBA	NEKONDOXXXEU	FIDA01					
Currency	: EUR							
	Credit lin	e amount	Acount	balance		Peak IDC	Luse	
Date	at SoD	at EoD	at SoD	at EoD	Time	Amount	Credit line amount	
2018-12-17	5,000,000.00	6,000,000.00	250,000.00	100,000.00	02:37:47	4,561,250.00	6,000,000.00	
2018-12-18	3,000,000.00	4,000,000.00	50,000.00	20,000.00	02:38:47	912,250.00	1,200,000.00	
2018-12-19	1,000,000.00	2,000,000.00	25,000.00	10,000.00	02:39:47	456,125.00	600,000.00	

#### Figure 568 - IDH05 results screen when selecting specific party

#### IDH05 – Results screen when selecting 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

Date	Business day of the reported amounts and balances
At SoD	Credit line amount at SoD and Cash Account Balance at SoD
At EoD	Credit line amount at EoD and Cash account balance at EoD
Following details are available for pea	
Date	One line per business date within the chosen date range
Amount	Peak intraday credit amount on the business day. Marked with "—" in case the account balance remained positive throughout the day
Credit line amount	Credit line amount at that time; Marked with "—" in case the account balance remained positive throughout the day

#### Table 157 - IDH05 – Output description



Historic intraday credit reports (IDH)

1											
ta	rget	1									2021- 13
										DEV - Development and integ	
CBXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX											
	ncy : EUR										
				Credit in	e amount	Account	balance		Peak IDC	une	
Part	ty ENC	Party name	Debuilt MCA	at SoD	at EoO	at SoD	at EoD	Time	Amount	Credit line amount	
ASA	AKMDOXX	MetroCapital	MACASHASAAKMDOXXXEUR0A01	50,000,004.00	60,000,005.00	2,500,000.00	1,000,000.00	02:37:47	45,612,504.00	60,000,005.00	
ASA	EKMORXXX	Auslandskassenverein i L.	MACADCASABKMD0XXXEURA01	6,000,004.00	7,000,005.00	300,000.00	120,000.00	02:37:47	5,473,504.00	7,200,005.00	
ASA	CKMDOXXX	Discount Card	MACADCASACKMD001XXEURA01	5,000,004.00	6,000,005.00	250,000.00	100,000.00	02:37:47	4,561,254.00	6,000,005.00	
PBA	AKMDOXXX	Banco de Isthmus	MACASHPBAAKMD0XXXEUR0A01	500,000,004.00	600,000,005.00	0.00	10,000,000.00	02:37:47	456,125,004.00	600,000,005.00	
PBA	BKMDGXXX	Gringotts Bank	MACASHPBABKMDOXXXEUR0A01	5.000,000.00	6,000,000.00	250,000.00	100,000.00	02:37:47	4,581,250.00	6,000,000.00	
PBA	CKMDOXXX	Iron Banks of Braavos	MACASHPBACKMD0XXXEUR0A01	0.00	0.00	0.00	0.00	11:58:40	336,000.00	0.00	
PBA	DKMD000X	Banque Mammon	MACASHPBADKMD0XXXEUR0A01	0.00	0.00	0.00	0.00	11:58:40	336,000.00	0.00	
PBA	EKMDOXXX	Bankhaus Goldscheider	MACASHPBAEKMD0XXXEUR0A01	8,500,004.00	9,500,005.00	425,000.00	170,000.00	02:37:47	7,754,129.00	10,200,005.00	
PBA	FRMDDXXX	Dagobert Duck Thrift	MACASHPBAFKMD0XXXEUR0A01	18,000,004.00	19,000,005.00	900,000.00	360,000.00	02:37:47	16,420,504.00	21,600,005.00	
PBA	GRMDDXXX	Woodgrove Bank	MACASHPBAGKMD0XXXEURGA01	2,200,004.00	2,300,005.00	110,000.00	44,000.00	02:37:47	2,006,954.00	2,640,005.00	
PBA	HKMDOXXX	Goluth National Bank Ltd	MACASHPBAHKMD0XXXEUR0A01	12,000,000.00	13,000,000.00	600,000.00	240,000.00	02:37:47	10,947,000.00	14,400,000,00	
PBB	AKMD0XXX	Tellson's Mulual	MACASHPBBAKMD0XXXEUR0A01	15,000,004.00	16,000,005.00	750,000.00	300,000.00	02:37:47	13,683,754.00	18,000,005.00	
PBB	BKMDOXXX	Banca de Bondi	MACASHPBBBKMD0XXXEUR0A01	46,000,004.00	45,000,005.00	2,300,000.00	920,000.00	02:37:47	41,963,504.00	55,200,005.00	
PBB	SCRIMDOXXX	Fidelity Savings & Trust	MACASHPBBCKMD0XXXEUR0A01	54,000,004,00	64,000,005.00	2,700,000.00	1,080,000.00	02:37:47	49,261,504.00	64,800,005.00	
PBB	XXX0DMX08	DGI Deutsche Global Invest	MACASHPB8DKMD0X0XEUR0A01	15,000,000.00	12,500,000.00	750,000.00	300,000.00	02:37:47	13,683,750.00	18,000,000.00	
PBB	EKMDOXXX	Banco di San Giorgio	MACASHPBBEKMD0XXXEUR0A01	5,000,004.00	6,000,005.00	250,000.00	100,000.00	02:37:47	4,561,254.00	6,000,005.00	
PBB	FKMDOXXX	Wetser Venezuela Funding	MACASHPBBFKMD0XXXEUR0A01	6,000,004.00	7,000,005.00	300,000.00	120,000.00	02:37:47	5,473,504.00	7,200,005.00	
PBB	GRMDOXXX	Compagnie des Indes Occidentales	MACASHPBBGKMD0XXXEUR0A01	7,000,004.00	5,000,005.00	350,000.00	140,000,00	02:37:47	6,385,754.00	8,400,005.00	
PBB	HKMDOXXX	Monte Pio	MACASHPEBHKMD0XXXEUR0A01	8,000,004.00	9,000,005.00	400,000.00	160,000.00	02:37:47	7,298,004.00	9,800,005.00	
PBM	#FRMD0XXX	Par & Sk Ouvert Bank	MACADOPEMFKMD0XXXEUR0A01	54,000,004.00	64,000,005.00	2,700,000.00	1,080,000.00	02:37:47	49,261,504.00	64,800,005.00	

#### Figure 569 - IDH05 results screen when selecting multiple parties

IDH05 – Results screen when selecting multiple party					
Field label	Description				
Party BIC	Party BIC of the cash account owner				
Party name	Party short name of the cash account owner				
Cash account	Cash account number				
Following details are available for:					
Credit line amount /Account balance					
At SoD	Credit line amount at SoD				
	and				
	Account balance of the MCA at SoD				
At EoD	Credit line amount at EoD				
	and				
	Account balance of the MCA at EoD				



#### IDH05 – Results screen when selecting multiple party

Following details are available for:

Peak IDC use	
Amount	Peak intraday credit amount on the business day. Marked with "—" in case the cash account balance remained positive throughout
	the day
Credit line amount	Credit line amount on the business day
	Marked with "—" in case the cash account balance remained positive throughout
	the day

#### Table 158 - IDH05 – Output description

IDH05 – Prompt screen description				
Field label	Description			
Search by transaction reference	This drop-down list allows the user to select historic cash transfers by a business transaction reference.			
Reference	The user can enter any business reference that a cash transfer may have. This field is mandatory.			

#### Table 159 - IDH05 – Output description

IDH05 – Prompt screen description				
Field label	Description			
Search by business characteristic	This drop-down list option allows the user to select historic cash transfers by a			
	business transaction reference.			



#### IDH05 – Prompt screen description

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. 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. This field is mandatory.
Sender/receiver BIC	This field allows the user to select the BIC of the sender or receiver. The data scope of the user determines list of BICs. This field is mandatory.

IDH05 – Prompt screen descrip	tion
Field label	Description
Service Type	This drop-down list provides the possibility to select a TARGET2 module. Code - Description HAM - Home accounting PM - Payments module SF - Standing facilities module This field is optional.
Status	This drop-down list allows the user to search by the processing status of the cash transfer. Code - Description AL - All status CA - Revoked FI - Final IN - Warehoused NS - Rejected XX - NA This field is optional.
Amount from/to	This field allows the user to search by a specific settlement amount or settlement amount range. This field is optional.

#### Table 160 - IDH05 - Cash transfer reference prompt screen fields



#### 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.

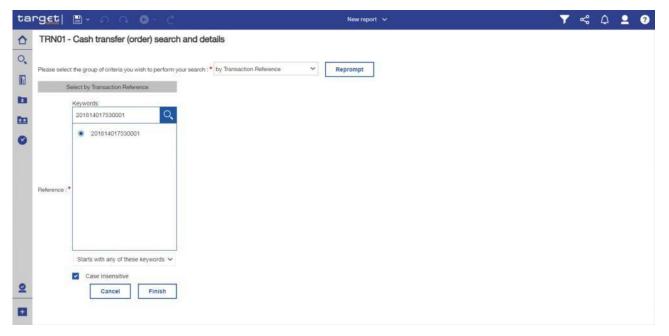
The user opt for the selection by reference or selection by business related criteria.

#### Report access

This report is accessible through the following navigation path:

[Team Content] >> [Predefined Reports] >> [TRH – Transaction Historic Reports] >> [TRH01]

#### **Screen Description**



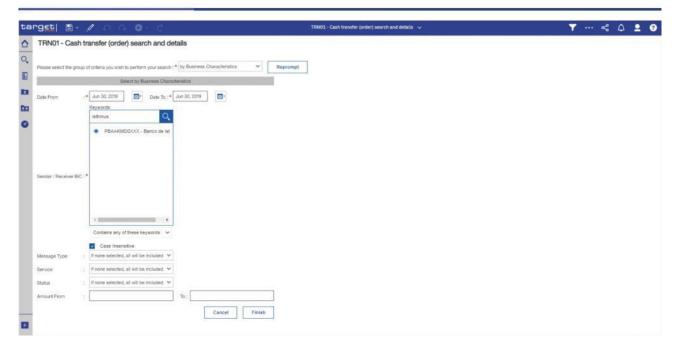
#### Figure 570 - TRH01 Cash transfer reference prompt



TRH01 – Prompt screen description				
Field label	Description			
Search by transaction reference	This drop-down list allows the user to select historic cash transfers by a business transaction reference.			
Reference	The user can enter any business reference that a cash transfer may have. This field is mandatory.			

#### Table 161 - TRH01 - Prompt description





#### Figure 571 - TRH01 Cash transfer multiple field prompt

TRH01 – Prompt screen description				
Field label	Description			
Search by business characteristic	This drop-down list option allows the user to select historic cash transfers by a business transaction reference.			
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. 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.			



TRH01 – Prompt screen description				
	This field is mandatory.			
Sender/receiver BIC	This field allows the user to select the BIC of the sender or receiver. The data scope of the user determines list of BICs. This field is mandatory.			
Service Type	This drop-down list provides the possibility to select a TARGET2 module. Code - Description HAM - Home accounting PM - Payments module SF - Standing facilities module This field is optional.			
Status	This drop-down list allows the user to search by the processing status of the cash transfer.         Code - Description         AL - All status         CA - Revoked         FI - Final         IN - Warehoused         XS - Rejected         XX - NA         This field is optional.			
Amount from/to	This field allows the user to search by a specific settlement amount or settlement amount range. This field is optional.			

#### Table 162 - TRH01 - Cash transfer reference prompt screen fields



#### Results screen

	<b></b>									2021-04-2
•	target			TRM	101 -	Cash transfer (order)	search		DEV - Developme	12:28:
	CBXXKMD0XXX - Central Ban									2.51
	Filters Transaction Reference	: 201814017530001				Transaction search				
1						at: 2019-11-12				
						Currency : EUR				
	CBXXKMD0XXX as Sender									
	Transaction Reference Number	Sender Message Reference	Message Type	Service	Status	Debited Account Number	Debited Account BIC	Credited Account Number	Credited Account BIC	Amount
	201814017530001	not provided	pacs.008	RTGS	Settled	RTGSCBCBXXKMD0XXXEUR0A01	CBXXKMR001X	RTGSDCPBBHKMD0XXXEUR0A01	PB8HKMR001X	14,000.00
	2018140175300001	not provided	pacs.008	RTGS	Settled	RTGSCBCBXXKMD0XXXEUR0A01	CBXXKMR001X	RTGSDCPBBHKMD0XXXEUR0A01	PBBHKMR001X	14,000.00

Figure 572 - TRH01 Results screen when selecting Cash transfer reference prompt

# target

'get  ₽ / /					THEFT.	- Cash transfer (order)				1.9 <u>0</u>	≪	φ <u>=</u>
ata l												2021-
target					TRN01 - Cash	transfer (ord	ler) search				DEV - Developm	12
BXXKMD0XXX - Central Bank of Fi	CONTRACTOR OF A DESCRIPTION OF A DESCRIP											
	9-06-30 VAKMD0XXX - Banco de Isthm	Date To ; 20 rus	129-08-30									
		~										
						fransaction search at: 2019-06-30						
					Cu	mency: EUR						
CEXXC2D0XXX as Receiver												
Transaction Reference Number							Credited Account Number	Credited Account BIC				
2018141191223 2018141191749	not provided not provided	carrt.050 carrt.050	CLM	Settled	MACASHPBAAKMD0XXXEUR0A01 MACASHPBAAKMD0XXXEUR0A01	PBAAKMC001X PBAAKMC001X			0.00			
\$200141121142	not provided	cameuso	CLM	Cetteo.	MACASHPBAARMUUXXXEUHUAU1	PDAARMUDUK			10,00			
CEXXFOD0XXX as Receiver												
Transaction Reference Number	Sender Message Reference	Message Type	Service	Status	Debited Account Number	Debited Account BIC	Gredited Account Number	Credited Account BIC	Amount			
2018141191475	not provided	camt.050	CLM	Settled	MACASHPBAAKMD0XXXEUR0A01	PBAAKMC000X			0.00			
CBXXGLD0XXX as Receiver												
Transaction Reference Number	Sender Message Reference	Message Type	Service	Status	Debited Account Number	Debited Account BIC	Credited Account Number	Credited Account BIC	Amount			
2018141191349	not provided	camt.050	CLM		MACASHPBAAKMD0XXXEUR0A01	PEAAKMC000X			0.00			
CEXXKID0XXX as Receiver												
Transaction Reference Number							Credited Account Number	Credited Account BIC				
2018141190457	not provided	camt.050	CLM	Settled		PEAAKMCOOTK			0.00			
2018141190971	not provided.	camt.050	CLM	bettied	MACASHPBAAKMD0XXXEUR0A01	PBAAKMC001X			0.00			
CBIORMDGIOX as Receiver												
	Sender Message Reference	Message Type	Service	Status	Debilted Account Number	Debited Account BIC	Credited Account Number	Credited Act	ount BIC	Amount		
Transaction Reference Number												

Figure 573 - TRN01H Results screen when selecting Cash transfer multiple field prompt



When the results list contain multiple cash transfers for a sender or receiver, then each cash transfer is listed by its transaction reference.

TRH01 – Cash transfer results – screen for search by busi	ness 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
Sender BIC / Receiver BIC	The field documents the BIC of the sender or receiver.
Transaction Reference Number	This field specifies the reference that the user used to retrieve the cash transfer.
Sender Message Reference	This field specifies the identification of the message, as provided by the sender.
Message Type	This field specifies the S.W.I.F.T ISO 15077 Message type.
Service	This field documents the module that processed the cash transfer.
	Code - Description
	HAM - Home accounting
	PM - Payments module
	SF - Standing facilities module

#### Table 163 - TRH01 – Cash transfer results – screen for search by business reference

TRH01 – Cash transfer results -	- screen for search by business reference
Field label	Description
Status	This field documents the final status of the cash transfer
	Code - Description
	AL - All status
	CA - Revoked
	FI - Final
	IN - Warehoused
	NS - Rejected
	XX - NA
Debited Account Number	This field documents debited cash account number. When the cash account
	number is not displayed, then it does not belong to data scope of the user.
Debited Account BIC	This field documents debited cash account BIC.



TRH01 – Cash transfer results -	- screen for search by business reference
Credited Account Number	This field documents credited cash account number. When the cash account number is not displayed, then it does not belong to data scope of the user.
Credited Account BIC	This field documents credited cash account BIC.
Amount	This field display the settled amount.

#### Table 164 - TRH01 – Cash transfer results – screen for search by business reference

#### Cash transfer detail screen

rget  🖪 - 🔿	n 💿 - 🔮 TERRE - Carlo Taurete (refer) staards in dia faile - Graph 🤟 🍸	* < 0 😐
ala l		
target	TRN01 - Cash transfer (order) details	2021-03- DEV - Development and integral
CEXHKMODIXX - Central Bank (	/ Fiction	
Tramaction Detail		
Basievess Date	2018-14-15	
Brity Timestamp	20%-7%-81128.1%	
UETR	UETR JOHNSYDDOXON	
End-to-End Reference	100000001	
Instruction Identification	nd produid	
Transaction Identification	30%Hotoobook	
Clearing System Reference	not previded	
Deferrent Reference	test provided	
Business Message stiertifier	the provided	
Message D	not previded	
Transaction Reference Number	2016-14/05(2000)	
Message Type	pars.009	
Sender BIC	PBAAMADDIKK	
Sender Name	sanss de tubres.	
Receiver BrC	PRABINDONXX	
Receiver hame	Grégots Bank	
Debiled Account BIC	PEAAMMRON	
Debiled Account Number	RTISSC/PBARMODOXXEURAD	
Type of Debited Account	RTGS DCA	
Credited Account BIC	PRABMARCOX	
Credited Account Number	ITTOSC/PAUM/MODOLOGO/IDA/	
Type of Credited Account	RT05 DCA	
Amount of Payment	10.545.00	
Currency of Payment	RUR .	
Settlement Status Description	Final	
Reversed Payment indicator	Not Revenued	
Timestamp of Effective Settleme	HR276-II-10-1235-8	
Error Code		
Error Description	na ener	
Message in XML-Portuat	cher la manuel de moding (17-87 Caragié ML, lie pass.XXX DOV N. Partificidades/states- >- document aniseuros estas 2002 estruid pass.D0820106-/FL2075-Gep4thObgit HDV4RF-/MigdtCirc/Tim-108-05-20703-2422-/Circ/Tim-108-075as-HDV0RF-//HDV0RF-/HDV0RF-//HDV0	-<3climent>

#### Figure 574 - TRH01 Cash transfer (order) detail screen

The cash transfer detail screen will display the fields as specified in section 3.

## 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.
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 165 - 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



Data Item	Description
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.
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 166 - 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



Data Item	Description
	specific central bank identifier. There may be multiple instances of a central bank identifier identifier in combination with this timestamp.
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 167 - 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. Code - Description
	CL_BLOCKED - Amount of collateral used/blocked credit line for IDC purposes
	CL_POSTED - Amount of collateral posted credit line for IDC purposes
	CL_USED - Amount of collateral used credit line to make payments
	OWN_BAL - Own funds balance on accounts
	PAY_CAPA - Payment capacity on accounts
	POS_BAL - Positive balance on accounts
	QUEUE_VAL - Queued payments in value
	QUEUE_VOL - Queued payments in volume
	REAL_BAL - Real balance on accounts
	REPO_BLOCKED - Amount of collateral used/blocked repo for IDC purposes
	REPO_POSTED - Amount of collateral posted repo for IDC purposes
	REPO_USED - Amount of collateral used repo to make payments
	TOT_BLOCKED - Amount of collateral used/blocked for IDC purposes
	TOT_POSTED - Amount of collateral posted for IDC purposes
	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



Data Item	Description
	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.

#### Table 168 - 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. Code - Description CL_BLOCKED - Amount of collateral used/blocked credit line for IDC purposes
	CL_POSTED - Amount of collateral posted credit line for IDC purposes



Field	Description
	CL_USED - Amount of collateral used credit line to make payments
	OWN_BAL - Own funds balance on accounts
	PAY_CAPA - Payment capacity on accounts
	POS_BAL - Positive balance on accounts
	QUEUE_VAL - Queued payments in value
	QUEUE_VOL - Queued payments in volume
	REAL_BAL - Real balance on accounts
	REPO_BLOCKED - Amount of collateral used/blocked repo for IDC purposes
	REPO_POSTED - Amount of collateral posted repo for IDC purposes
	REPO_USED - Amount of collateral used repo to make payments
	TOT_BLOCKED - Amount of collateral used/blocked for IDC purposes
	TOT_POSTED - Amount of collateral posted for IDC purposes
	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 169 - 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.
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	This data item provides the two-character ISO country of the central bank



Field	Description
Code	for a group of accounts.
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 170 - 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



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.
	Code - Description
	0 - 12.00 PM - 01.00 AM
	1 - 01.00 AM - 02.00 AM
	2 - 02.00 AM - 03.00 AM
	3 - 03.00 AM - 04.00 AM
	4 - 04.00 AM - 05.00 AM
	5 - 05.00 AM - 06.00 AM 6 - 06.00 AM - 07.00 AM
	7 - 07.00 AM - 08.00 AM
	8 - 08.00 AM - 09.00 AM



Field	Description
	9 - 09.00 AM - 10.00 AM
	10 - 10.00 AM - 11.00 AM
	11 - 11.00 AM - 12.00 AM
	12 - 12.00 AM - 01.00 PM
	13 - 01.00 PM - 02.00 PM
	14 - 02.00 PM - 03.00 PM
	15 - 03.00 PM - 04.00 PM
	16 - 04.00 PM - 05.00 PM
	17 - 05.00 PM - 06.00 PM
	18 - 06.00 PM - 07.00 PM
	19 - 07.00 PM - 08.00 PM
	20 - 08.00 PM - 09.00 PM
	21 - 09.00 PM - 10.00 PM
	22 - 10.00 PM - 11.00 PM
	23 - 11.00 PM - 12.00 PM
	99 - No entry hour
Flow Type	This attribute documents whether cash transfer is cross-
	border or domestic.
	Code - Description
	CRB - Cross-border
	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.
	Code - Description
	HAM - Home accounting module
	PM - Payment module
	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



Field	Description
BIC 53 Sender Correspondent Party	This field provides the technical identifier of the sender correspondent
ID	party from the message underlying the cash transfer
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.
Value Band ID	This field contain the value band to which the cash transfer is allocated.
	Code - Description
	1 - = 0
	2 - > 0 and <= EUR 1250



Field	Description
	3 - > EUR 1250 and <= EUR 12500
	4 - > EUR 12500 and <= EUR 50000
	5 - > EUR 50000 and <= EUR 250000
	6 - > EUR 250000 and <= EUR 1M
	7 - > EUR 1M and <= EUR 10M
	8 - > EUR 10M and <= EUR 25M
	9 - > EUR 25M and <= EUR 50M
	10 - > EUR 50M and <= EUR 100M
	11 - > EUR 100M and <= EUR 500M
	12 - > EUR 500M and <= EUR 1B
	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.
	Code - Description
	CAT0 - No category
	CAT1 - Payments between market participants
	CAT2 - Operations with the central bank
	CAT3 - Settlement operations
	CAT4 - Liquidity transfer
Sender Aggregation Counting	This field contains a Boolean value to determine whether the cash transfer is included in the sender count.
	Code - Description
	F - Not included
	T - Included
Receiver Aggregation Counting	This field contains a Boolean value to determine whether the cash transfer pertains to a contingency operation.
	Code - Description



Field	Description
	F - Not contingency transfer
	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.
	Code - Description
	0 - No operation type
	1.1 - Customer payments
	1.2 - Interbank payments
	2.1 - Cash operation
	2.2 - Intraday repo and similar transactions
	2.3 - Payments sent and/or received on behalf of customers
	2.4 - Inter NCB payments
	2.5 - Other transactions
	3.1 - Trade by trade settlements of SSS
	3.2 - Other settlement operations
	3.3 - EBA Euro1
	3.2 - CLS
	3.5 - EBA Step2
	4.1 - Intraday transfers with LVPS
	4.2 - Intraday transfers with retail systems
	4.3 - Intraday transfer with SSS
	4.4 - Internal transfers between different accounts of the same participant
	4.5 - Commercial transfers between different accounts of same participant
	4.6 - Transfers to T2S
	4.7 - Transfers back to TARGET2 from T2S
	4.8 - Liquidity transfers to TIPS
	4.9 - Liquidity transfers from TIPS
	9.9 - Temporary operation type
Payment Type	This field documents the payment type to which the cash

, ,,



Field	Description
	transfer is assigned based on the attributes of the cash
	transfer.
	Code - Description
	999 - No payment type
	ASP - Ancillary System Payment
	BIL - Billing
	BKP - Backup Payment
	CLN - Credit Line
	COP - Connected Payment
	CSD - CROSS AS SETTLEMENT
	CWD - Cash Withdrawal
	INT - Interests
	LQT - Liquidity Transfer
	MAP - Mandated Payment
	PEN - Penalties
	REP - REPO
	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.
	Code - Description
	1BKMR - SM1 Liquidity Transfer CI to Technical account – procedure 6 real-time
	1MRBK - SM1 Liquidity Transfer Technical account –
	procedure 6 real-time to CI
	6COLA - Auto collateral sent by AS
	6COLC - Auto collateral sent by CB
	6COPA - Connected payments sent by AS
	6COPC - Connected payments sent by CB
	6FSBSU - SM6 interfaced model SB to SUB
	6FSOR - Standing order 6F
	6FSUPM - Back transfer of liquidity 6F
	6GSOR - SM6 real-time model standing order



Field	Description
	6MAPA - SM6 autocollateralisation mandated payment (per Auto-collateral account to sub account, sent by AS)
	6MAPC - SM6 autocollateralisation mandated payment (per
	Auto-collateral account to sub account, sent by CB)
	6SET - Settlement 6
	6SIFFA - SM6 cross AS settlement (sent by AS)
	6SIFFC - SM6 cross AS settlement (sent by CB)
	6SIFGA - SM6 cross AS settlement (sent by AS)
	6SIFGC - SM6 cross AS settlement (sent by CB)
	6SIGFA - SM6 cross AS settlement (sent by AS)
	6SIGFC - SM6 cross AS settlement (sent by CB)
	6SIGGA - SM6 cross AS settlement (sent by AS)
	6SIGGC - SM6 cross AS settlement (sent by CB)
	6STRA - Special transaction sent by AS
	6STRC - Special transaction sent by CB
	999999 - No payment subtype
	BILH - Billing payment HAM
	BILP - Billing payment PM
	BKPM - Backup Payments PM
	CLNC - Credit line connected payment
	CLND - Settlement of an Order to change Credit Line (Delta Amount)
	CLNO - Credit line order (Fixed Amount)
	CUSHH - Customer payment
	CWD - Cash Withdrawal
	DACC - Liquidity transfer to CB for deleted account
	EPA - Liquidity Transfer EOD PM to PHA
	EPH - Liquidity Transfer EOD PM to HAM
	EPP - Liquidity Transfer EOD between PM
	EXP - GOA to excluded participant
	F6GCUO - Current order FIN 6G
	FCOP - Connected payments FIN



Field	Description
	FMAP - Mandated Payments FIN
	FPA - Liquidity Transfer FIN to PHA
	FPH - Liquidity Transfer FIN to HAM
	FPP - Liquidity Transfer FIN to PM
	HAMER - Transfer with SF without any corresponding payment in SF HAMMAP Mandated payment (FIN) to HAM system BIC
	HPSFOD - Overnight deposit transfers HAM to SF
	I6FCUO - Current order ICM 6F
	IBPPH - Payment IBP from PM to HAM
	IHPS - Liquidity Transfer ICM HAM to PM or HAM to SF
	INBHH - Interbank payment
	INBPH - Interbank Transfer RTGS to other HAM account
	INTHA - Interests from HAM
	INTMLP - Marginal lending interests PM
	INTOC - Interests for out countries
	INTODH - Overnight deposit interests HAM
	INTODP - Overnight deposit interests PM
	INTRH - Minimum reserves interests HAM
	INTRP - Minimum reserves interests PM
	IOF - Overnight deposit on interests for out countries
	IPH - Liquidity Transfer ICM PM to HAM
	IPP - Liquidity Transfer ICM within GOA to PM
	IRGHH - Payment ICM intra HAM
	IRGHP - Payment ICM HAM to PM
	IRGPH - Payment ICM to HAM
	KSF - Liquidity Transfer of capital
	LCTT2S - LiquidityCreditTransfer from T2S
	LCTTIP - LiquidityCreditTransfer from TIPS
	LDTT2S - LiquidityDebitTransfer from T2S (EoD only)
	LEV - Levelling out transaction
	LMAT2S - LiquidityCreditTransfer MX to



Field	Description
	T2S(mandated)sent by T2SActors
	LMFT2S - LiquidityCreditTransfer FIN to T2S (mandated)
	LMMT2S - LiquidityCreditTransfer MX to T2S (mandated) sent by CBs
	LMMTIP - LiquidityCreditTransfer MX to TIPS (mandated) sent by CBs
	LQT - insert CM payment
	LTFT2S - LiquidityCreditTransfer FIN (MT202 Y-Copy) to T2S (only VAS)
	LTHP - Liquidity transfer HAM to PM
	LTIT2S - LiquidityCreditTransfer ICM to T2S
	LTITIP - LiquidityCreditTransfer ICM to TIPS (push)
	LTMT2S - LiquidityCreditTransfer MX (A2A) to T2S
	LTMTIP - LiquidityCreditTransfer MX (A2A) to TIPS
	LTPH - Liquidity transfer PM to HAM
	ML - Marginal lending SF to PM
	MLC - Marginal lending as connected payment
	MLQ - Modify CM liquidity
	MLR - Marginal lending refund PM to SF
	MLRC - Marginal lending refund as connected payment
	OD - Overnight deposit PM to SF
	ODR - Overnight deposit refund SF to PM
	ONI - Overnight deposit Negative Interests
	PA - Liquidity Transfer PM to PHA
	PENH - Minimum reserves penalties HAM
	PENP - Minimum reserves penalties PM
	PH - Liquidity transfer PM to HAM
	PPSFOD - Overnight deposit transfers PM to SF
	REP - REPO
	RGBIP - Billing reverse payment PM
	RGCP - Contingency module payment
	RGHH - Payment MT202S intra HAM



F

Field	Description
	RGHP - Payment MT202 HAM to PM
	RGIBIB - Payment between two LVP participants
	RGIBPP - Payment from LVP participant to Y-Copy
	RGLB - Normal regular payment from or to liquidity bridge account
	RGP - Regular Payment
	RGPH - Payment MT202 PM to HAM
	RGPP - Regular payment PM
	RGPPIB - Y-Copy Payment to LVP participant
	SAC - Automatic Marginal Lending on Capital
	SAI - Automatic Marginal Lending on Interests
	SFONI - Overnight deposit Negative Interests
	SFSAC - SFM Automatic marginal lending Capital
	SFSAI - SFM Automatic marginal lending Interest
	SFSMC - SFM Margin lending on-request Capital
	SFSMI - SFM Margin lending on-request Interest
	SFSOC - SFM Overnight deposit Capital
	SFSOI - SFM Overnight deposit Interest
	SM2 - Real time settlement
	SM3 - Bilateral settlement
	SM3S - Bilateral settlement with singled ASIS
	SM4 - Standard multilateral settlement
	SM4C - Conversion settlement procedure 5 to 4
	SM4G - Guarantee payment
	SM4R - Reversal payment
	SM5 - Simultaneous multilateral settlement
	SMC - Marginal Lending on-request on Capital
	SMI - Marginal Lending on-request on Interests
	SOC - Overnight Deposit on Capital
	SOI - Overnight Deposit on Interests
	SOLT2S - Standing Order LT to T2S
	SOLTIP - Standing Order LiquidityTransfer to TIPS



Field	Description
	SORHPM - Standing order HAM to PM
	SSPMAP - Mandated Payments FIN to SSP
	TURN - Cross CB turnover transaction
	X6FCUO - Current order XML 6F
	X6GCUO - SM6 real-time model current order (per settle bank to Technical account – procedure 6 real-time or vice versa)
	ZER - zero balance
Priority	This attribute documents the settlement priority of the payment
	Code - Description
	H - Highly urgent
	N - Normal
	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.
	Code - Description
	SU - Normal HAM account
	CB - CB HAM account
	CU - CB customer account
	LB - CB customer liquidity bridge
	SFI - SF Interests
	RIP - RM Interests and penalties
	HAI - HAM Interests
	T2F - TARGET 2 Fees
	CI - Normal
	CB - CB
	LB - CB Customer Liquidity Bridge
	EC - ECB Account
	ECM - ECB Mirror Account
	IL - SSP Interlinking Account



Field	Description
	SFI - SFI : SF Interests
	RIP - RM Interests and penalties
	T2F - TARGET 2 Fees
	ASM - AS Technical Account Proc 6 RT
	ASG - AS Guarantee Account
	ASC - AS Auto-collateral Account
	AST - AS Technical Account
	CM - CM Account
	SUB - AS subaccount
	CM - Contingency account
	ML - Marginal lending
	OD - Overnight deposit
	T2S - T2S DTA Transit account
	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.
	Code - Description
	P - RTGS account
	H - HAM account
	S - SF account
	A - AS subaccount
	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.
	Code - Description
	0 - The standard payment is not taken into account
	1 - The standard payment is taken into account on the
	credit side
	2 - The standard payment is taken into account on the debit side



Field	Description
	3 - The payment coming from the ASI is taken into account
	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.
	Code - Description
	CBN - Between non-migrated NCB
	CBM - Between both migrated NCB
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.
	Code - Description
	C - Credit line
	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
	Code - Description
	AL - All status
	CA - Revoked
	FI - Final
	IN - Warehoused
	NS - Rejected
	XX - NA
Settlement Type	This attribute documents the classification of the settlement of the cash transfer
	Code - Description
	0 - Pending
	1 - Entry disposition
	2 - Express algorithm
	3 - Settle connected payment



Field	Description
	4 - AS settlements not booked
	11 - Algorithm 1
	12 - Algorithm 2
	13 - Algorithm 3
	14 - Algorithm 4
	15 - Algorithm 5
	18 - CM settlement
	20 - Liquidity transfer and other ICM orders
	80 - End-of-day booking
	81 - Levelling out booking
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.
	Code - Description
	SU - Normal HAM account
	CB - CB HAM account
	CU - CB customer account
	LB - CB customer liquidity bridge
	SFI - SF Interests
	RIP - RM Interests and penalties
	HAI - HAM Interests
	T2F - TARGET 2 Fees
	CI - Normal
	CB - CB
	LB - CB Customer Liquidity Bridge
	EC - ECB Account
	ECM - ECB Mirror Account
	IL - SSP Interlinking Account
	SFI - SFI : SF Interests
	RIP - RM Interests and penalties
	T2F - TARGET 2 Fees
	ASM - AS Technical Account Proc 6 RT



Field	Description
	ASG - AS Guarantee Account ASC - AS Auto-collateral Account AST - AS Technical Account CM - CM Account SUB - AS subaccount CM - Contingency account ML - Marginal lending OD - Overnight deposit T2S - T2S DTA Transit account 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. Code - Description P - RTGS account H - HAM account S - SF account A - AS subaccount C - CM account
Time Band	This field provides the assignment of a cash transfer to a time range of a business day. Code - Description 6 - Before 07:00 AM 7 - 07.00 AM - 08.00 AM 8 - 08.00 AM - 09.00 AM 9 - 09.00 AM - 09.00 AM 10 - 10.00 AM - 10.00 AM 11 - 11.00 AM - 11.00 AM 11 - 11.00 AM - 12.00 AM 12 - 12.00 AM - 01.00 PM 13 - 01.00 PM - 02.00 PM 14 - 02.00 PM - 03.00 PM 15 - 03.00 PM - 04.00 PM



Field	Description
	16 - 04.00 PM - 05.00 PM
	17 - 05.00 PM - 06.00 PM
	18 - After 06:00 PM
	99 - No time range
Time Range	This field provides the assignment of a cash transfer to a time band of a business day.
	Code - Description
	0 - 12.00 PM - 01.00 AM
	10 - 01.00 AM - 02.00 AM
	20 - 02.00 AM - 03.00 AM
	30 - 03.00 AM - 04.00 AM
	40 - 04.00 AM - 05.00 AM
	50 - 05.00 AM - 06.00 AM
	60 - 06.00 AM - 07.00 AM
	71 - 07.00 AM - 07.15 AM
	72 - 07.15 AM - 07.30 AM
	73 - 07.30 AM - 07.45 AM
	74 - 07.45 AM - 08.00 AM
	81 - 08.00 AM - 08.15 AM
	82 - 08.15 AM - 08.30 AM
	83 - 08.30 AM - 08.45 AM
	84 - 08.45 AM - 09.00 AM
	91 - 09.00 AM - 09.15 AM
	92 - 09.15 AM - 09.30 AM
	93 - 09.30 AM - 09.45 AM
	94 - 09.45 AM - 10.00 AM
	101 - 10.00 AM - 10.15 AM
	102 - 10.15 AM - 10.30 AM
	103 - 10.30 AM - 10.45 AM
	104 - 10.45 AM - 11.00 AM
	111 - 11.00 AM - 11.15 AM
	112 - 11.15 AM - 11.30 AM



Field	Description
	113 - 11.30 AM - 11.45 AM
	114 - 11.45 AM - 12.00 AM
	121 - 12.00 AM - 12.15 AM
	122 - 12.15 AM - 12.30 AM
	123 - 12.30 AM - 12.45 AM
	124 - 12.45 AM - 01.00 PM
	131 - 01.00 PM - 01.15 PM
	132 - 01.15 PM - 01.30 PM
	133 - 01.30 PM - 01.45 PM
	134 - 01.45 PM - 02.00 PM
	141 - 02.00 PM - 02.15 PM
	142 - 02.15 PM - 02.30 PM
	143 - 02.30 PM - 02.45 PM
	144 - 02.45 PM - 03.00 PM
	151 - 03.00 PM - 03.15 PM
	152 - 03.15 PM - 03.30 PM
	153 - 03.30 PM - 03.45 PM
	154 - 03.45 PM - 04.00 PM
	161 - 04.00 PM - 04.15 PM
	162 - 04.15 PM - 04.30 PM
	163 - 04.30 PM - 04.45 PM
	164 - 04.45 PM - 05.00 PM
	184 - 06.45 PM - 07.00 PM
	190 - 07.00 PM - 08.00 PM
	200 - 08.00 PM - 09.00 PM
	210 - 09.00 PM - 10.00 PM
	220 - 10.00 PM - 11.00 PM
	230 - 11.00 PM - 12.00 PM
	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



Field	Description
	the cash transfer pertains to ancillary system processing.
	Code - Description
	F - Not Ancillary system settlement
	T - Ancillary system settlement
Contingency Transfer	This field contains a Boolean value to determine whether the cash transfer pertains to a contingency operation.
	Code - Description
	F - Not contingency transfer
	T - Contingency transfer
Queueing	This field contains a Boolean value to determine whether the cash transfer pertains to a contingency operation.
	Code - Description
	F - Not contingency transfer
	T - Contingency transfer
Settlement Counting	This field contains a Boolean value to determine whether the cash transfer pertains to a contingency operation.
	Code - Description
	F - Not contingency transfer
	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.
	Code - Description
	F - No credit count inclusion
	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.
	Code - Description
	F - No debit count inclusion
	T - Debit count inclusion
Credit Cash Account ID	This field documents the technical identifier of the credit cash account.



Field	Description
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
	Code - Description
	H - Highly urgent
	N - Normal
	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.
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.

### Table 171 - Cash transfer data items