
Stock Exchange Transactions Go OTC
CSD Migration (Phase 2)

Customer Migration Guide - Update

4 July 2022

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CSD Migration (Phase 2)

Customer Migration Guide

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Contacts

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Customers will find the relevant contact details under [Contacts & Client Services](#) or can contact the SET-GO Customer Readiness team via email to T2S-Support@clearstream.com.

Foreword

The main objective of the Stock Exchange Transactions GO OTC (SET-GO) project is to use the standard OTC functionality also for non-cleared stock exchange instruction, thereby replacing the present settlement functionality LION (Lieferfreigabe Online for non-cleared stock exchange trades).

This document aims to enable customers to successfully prepare for the SET-GO CSD Migration (Phase 2) on 4 July 2022.

It provides information concerning the migration activities that are surrounding the deployment of the SET-GO project. This includes a summary of necessary preparations, provides an overview of the migration timeline and describes the related migration activities to be considered by customers.

Please refer to the [SET-GO Introduction Note](#) for detailed information on the functional changes related to the SET-GO CSD Migration (Phase 2) that will be introduced in July 2022.

The following, “non-cleared stock exchange instructions in securities with custody type collective safe custody (CSC) or non-collective safe custody via T2S (NCSC-T)” will be referred to as “SE instructions (CSC)”.

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1 Introduction

1.1 Structure and content of this document

This document focuses on the SET-GO migration approach and related activities for the SET-GO CSD Migration (Phase 2). The cornerstones of the implementation on 4 July 2022 are defined as below:

- Instruction and lifecycle management for SE instructions (CSC) to be executed and reported via T2S;
- “OTC-like” processing using automated CBF automated connectivity channels (ISO 15022) and CASCADE Online functionality (HOST / PC).

The objective of this Customer Migration Guide is to provide customers with an overview regarding the migration timeline as well as the tasks involved in preparing for migration.

The SET-GO CSD Migration (Phase 2) consists of the below steps:

Description	Timeline	Activity
Pre-migration	Until 30 June 2022	Migration Weekend preparation <ul style="list-style-type: none">- Maintenance of static data by customers;- Reduction of outdated pending SE instructions (CSC); and- Ordering of migration reports on customer demand.
Migration Weekend execution	1 and 3 July 2022	Execution of migration procedures <ul style="list-style-type: none">- Cancellation and reinstruction of pending SE instructions (CSC), referred to as “Restanten”;- Processing of new stock exchange trades, referred to as “Tagesgeschäfte”; and- Creation and transmission of dedicated migration reports.
Production start – first business day	4 July 2022	Begin of day-to-day business via T2S for SE instructions (CSC) in an “OTC-like” mode.
Post-migration	Starting 5 July 2022	Customer support after the implementation weekend of SET-GO CSD Migration (Phase 2) <ul style="list-style-type: none">- Transmission of LION pending instruction reporting covering the cancellation of pending SE instructions (CSC);- Maintenance of customer testing environments (IMS23 and OCCT); and- Client Services and Connectivity Help Desk are available for inquiries.

Table 1 – SET-GO CSD Migration (Phase 2) timeline

After the introduction chapter on the SET-GO CSD Migration (Phase 2):

- Chapter 2 summarises the key functional changes to be introduced in July 2022 related to the CBF instruction management.
- Chapter 3 describes the pre-migration phase, allowing customers a verification of static data and connectivity settings for the launch in July 2022.
- Chapter 4 provides an overview of the migration activities surrounding the implementation weekend of SET-GO CSD Migration (Phase 2). It shows the general information regarding instructions management and settlement reporting. A detailed migration timeline will be provided as attachment to this document in due time.
- Chapter 5 outlines the activities in the post-migration phase.
- Chapter 6 shows aspects on the contingency planning and a potential rollback scenario if the SET-GO CSD Migration (Phase 2) cannot be completed as planned. This chapter will be enriched with more information at a later point in time.
- Chapter 7 offers customers a concise overview of the migration activities and the according timelines.

1.2 General information

With the go-live of the SET-GO CSD Migration (Phase 2) on 4 July 2022, the settlement and related reporting of non-cleared stock exchange instructions in collective safe custody or non-collective safe custody via T2S securities will be executed and reported via CASCADE / T2S. The new routing system SETI (Stock Exchange Transaction Interface) replaces LION and is used to transmit instructions of CSC and NCSC-T securities "OTC-like" to T2S. The settlement reporting for CSC and NCSC-T securities will be accessible via the CASCADE functionality.

For NCSC securities, no substantial changes in addition to those already implemented during SET-GO Phase 1 on 22 November 2021 are envisaged. That is, the instruction and lifecycle management for stock exchange instructions for NCSC securities will be executed and reported via Creation. As the already implemented framework will not change, no migration activity is necessary for NCSC securities.

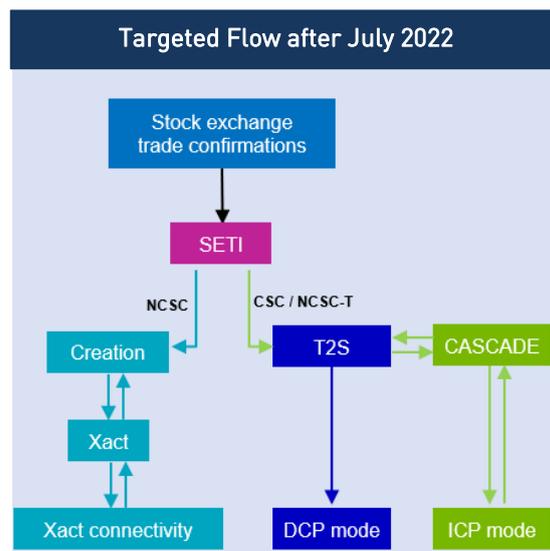


Figure 1: Targeted flow after CSD Migration (Phase 2)

1.3 Migration timeline at a glance

The timeline below provides customers being a member of a German stock exchange with an overview of the activities that CBF has planned as part of the SET-GO Customer Readiness. CBF kindly asks customers to consider the activities shown in their planning and to complete them on time. Customer requests that arrive after the end of the timeline shown may not be considered by CBF before the go-live in July 2022.

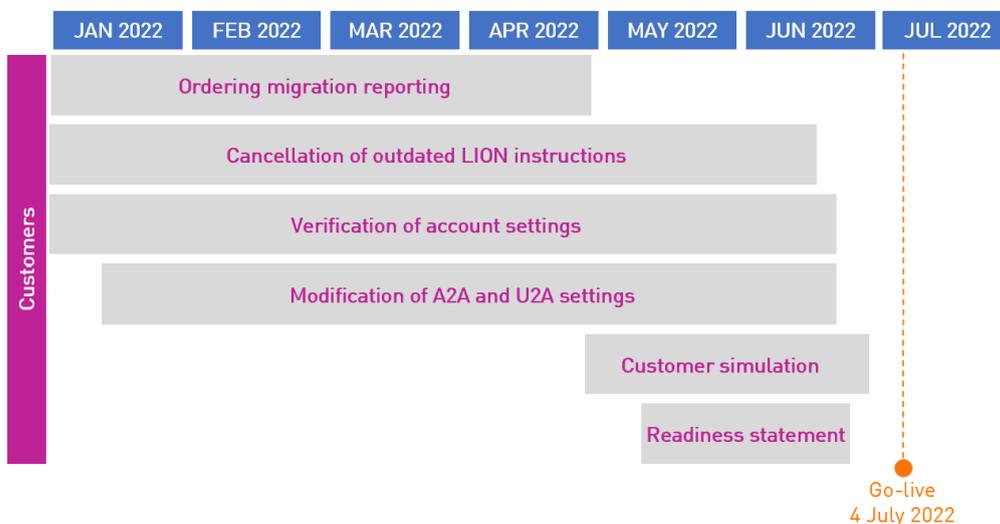


Figure 2: SET-GO CSD Migration (Phase 2) timeline at a glance

2 Instructions management via T2S

This chapter summarises the key functional changes to be introduced in July 2022 related to the CBF instruction management applicable for SE instructions (CSC).

2.1 Lifecycle management

With the business day 4 July 2022, SE instructions (CSC) will follow the OTC instruction lifecycle of CBF instruction types (AA01 / AA02). Hence, the existing OTC functionality offered via T2S will be used also for SE instructions (CSC). Besides the [SET-GO Introduction Note for Phase 2](#), the [CBF Customer Handbook](#) provides customers with detailed information.

As of 4 July 2022, instruction management for SE instructions (CSC) is no longer handled in LION, but in T2S / CASCADE. This applies for instructions created on the basis of regular trade confirmations (Schlussnoten) coming from the German stock exchanges as well as on the basis of PÜEV records ("Platz-Überschreitender Effektenverkehr") which is offered as a service by BrainTrade. This interface remains active and still allows entering of orders for stock exchange traded ISINs.

The following selection criteria apply for ISINs that are eligible for the creation of SE instructions (CSC). If the selection criteria are not fulfilled, no straight-through processing is possible:

- ISIN is active; and
- Wertpapier-Mitteilungen field GD545 "BÖGA-Fähigkeit" has values in {1, 2, 3, 4, 5}.

Based on the existing settlement procedures, SE instructions (CSC) can still be identified using the instructing party "DAKVDEFFLIO". This BIC11 is used in CASCADE settlement reports and is displayed on CASCADE Online screens.

At present, customers acting in DCP mode, cannot modify stock exchange instructions created via LION using the T2S functionality. In future, based on the T2S concept, these customers principally can initiate a "Securities Settlement Condition Modification (sese.030)". CBF customers acting in DCP mode can receive a copy of sese.023 originally transmitted by CBF. On customer demand, further T2S status and settlement reporting can be subscribed.

Instructions, which are subject to the recycling process can be modified in ICP mode. Allowed is a change of the priority, of the Partial Settlement Indicator ("PSI") or the hold / release flag. Customers can use Clearstream Online functionalities via CASCADE and Xact Web Portal for (multi) hold / release functionality.

Liquidity management

With the implementation of SET-GO Phase 2, CBF does not expect any changes in the funding procedure for SE Instructions (CSC). Customers do not need to update their funding procedure providing additional liquidity. However, due to the cancellation of pending SE instructions in custody type CSC and NCSC-T on Friday, 1 July 2022 at around 16:00 the T2S Cash forecast report will not include liquidity requirements for such cases with expected settlement day Monday, 4 July 2022. CBF will reinstruct pending instructions over the course of the deployment activity on Sunday, 3 July 2022. Customers are requested to inform the Treasury departments that the liquidity transfer for Saturday, 2 July 2022 considers the settlement amounts for pending non-cleared SE instructions.

During the implementation weekend of SET-GO CSD Migration (Phase 2), CBF aims to present the instructions in the T2S real-time settlement window on Sunday, 3 July 2022, that will be closed at 11:00.

SEME Concept

With the implementation of SET-GO Phase 2, the SEME Concept defined by SETI for SET-GO Phase 1 will be used in production for SE instructions (CSC). However, as for the settlement on T2S, instructions will be created with the flag "already matched", the leg type will be different. Instead of "D" for delivery and "R" for receipt, the key "A" will be set indicating "already matched". That is, the settlement instructions presented to T2S will follow the Sender's Message Reference (SEME) concept.

The new reference (SETI Reference) is based on information, which is derived from the underlying trade confirmation ("Schlussnote"), such as:

- Leg type;
- Stock Exchange;
- Security Identification Number (WKN);
- Stock Exchange trade number; and
- (Input) Date.

References

Customers need to consider that for all recreated SE instructions (CSC), the SETI Reference will replace the existing T2S Actor reference. The present LP reference will be replaced by the KP reference. With the implementation of SET-GO Phase 2, CBF will reallocate the CASCADE number ranges for the setup of instructions as of 4 July 2022. The reallocation of numbers will ensure that the processing of stock exchange instructions can be established and carried out seamlessly in an OTC-like mode. Please refer to Announcement [D21056](#) for more information.

At present, for instruction management via LION, CBF creates a reference starting with "LP". In future, similar to the existing LP number in the field :20C: COMM a reference will be provided starting with the letters "LP". Please refer to the Introduction Note for the specification of this reference.

In general, of each LION instruction that was accepted by T2S, CBF will report the T2S Market Infrastructure Transaction Identification (MITI). Because of the SET-GO cancellation and reinstruction procedure during the migration weekend for each pending SE instruction (Restanten) a new T2S MITI will be created and presented in the CASCADE settlement reporting.

Penalties that were calculated by T2S always refer to the reference in the underlying instruction. The Clearstream Penalty Reporting (MT537 PENA) provided on Monday, 4 July 2022 will be based on the pending LION instructions of Friday, 1 July 2022. Therefore, customers need to consider that the MITI refers to the LION instruction that was cancelled by CBF Friday, 1 July 2022 at around 16:00.

The Penalty Reporting on Tuesday, 5 July 2022 will show a new MITI for the instructions that have been migrated and reinstructed by SETI. The migration is planned on Sunday, 3 July 2022 for the business day Monday, 4 July 2022. According to the Indicative Timeline MT548 and MT537 will be transmitted in the course of Sunday, 3 July 2022 at around 10:30. In the CASCADE settlement reporting, the reference created by SETI is transmitted and needs to be used in [MT530 Transaction Processing Command](#).

2.1.1 Xact Web Portal Multi Hold and Release Functionality

The Multi Hold and Release functionality that was introduced for NCSC SE instructions will also be available for CSC and NCSC-T instructions as of 4 July 2022. With the launch of Phase 2, customers can modify the Party Hold flag of pending instructions one by one or for multiple instructions if the option "All" is used. Via Xact Web Portal, customers can present multiple Hold or Release modification requests for further processing (for further details please refer to the [Introduction Note](#)).

The upgraded functionality will be available for SE instructions regardless of whether the settlement will be executed via Creation or T2S.

Instructions can be modified by the owner of the CBF settlement account via Xact Web Portal. Customers have to arrange the necessary Xact Web Portal access rights within their organisation if they intend to use this service.

2.1.2 Taxpayers' Identification Number (TIN) procedure

Also after the introduction of SET-GO CSD Migration (Phase 2) customers are requested to supplement pending SE instructions (CSC) with the Taxpayers' Identification Number (TIN) for Italian Bonds. This procedure is already available in LION and will be transformed allowing the processing of the related instructions in an OTC-like mode.

The TIN can only be maintained and is displayed via the CASCADE Online functionality (HOST / PC).

During the migration, the SE instructions originating from Restanten will be migrated without a TIN. Customers can modify those instructions adding the TIN on Sunday, 3 July 2022. During the migration weekend, there is a dedicated timeframe between 06:00 to 11:00 once those instructions will be available in CASCADE. Afterwards, the instructions can be modified during the CBF Operational Day.

2.1.3 CASCADE Registered Shares

Registered Shares (RS) – customers using the T2S linking allowing a seamless settlement for registered shares out of the unregistered positions (Freier Meldebestand) are requested to consider that the linkage will be cancelled during the migration weekend. SET-GO migration approach defines that no instruction linking is supported for recreated instructions. Therefore, customers may check if affected settlement instructions should receive a party Hold.

2.1.4 CBF Recycling mode

In general, CBF will maintain all settlement activities using the standard CBF operational day. Therefore, the CBF recycling period will be processed on Friday, 1 July 2022 according to the CBF Operational Day. Any LION instruction that is in recycling mode can be reinstructed to T2S at 15:15. This is also valid for instructions with intended settlement day (ISD) in the future. If no settlement can be achieved until 16:00 these instructions will follow the migration procedure.

2.2 Corporate actions

With the business day 4 July 2022, SE instructions (CSC) will be created in an OTC-like mode for CASCADE / T2S processing. In addition, pending “LION” stock exchange instructions will be migrated and will be available as OTC instructions for further processing via CASCADE. The corporate action procedure related to pending and settled CBF instruction type AA01 / AA02 which is currently applicable for OTC instructions will also be offered for SE instructions (CSC) via KADI. The corporate action reporting (MT56x) can be enabled by customers if not already set up. The reporting is available via the CBF automated connectivity channels (SWIFT, MQ, File Transfer (FT)).

Hence, the CBF service offering will apply for:

- Pending LION instructions successfully migrated to T2S during the implementation weekend of SET-GO CSD Migration (Phase 2);
- Trade confirmations provided by the stock exchanges on Friday, 1 July 2022 at around 22:00; and
- All incoming trade confirmations in custody type CSC and NCSC-T provided as of Monday, 4 July 2022.

Between 23 May and 27 June 2022, Clearstream will check on a regular basis for corporate actions announced shortly before, on or immediately after the implementation weekend of SET-GO CSD Migration (Phase 2). If necessary, CBF will inform customers in advance allowing a seamless transition.

Migrated SE instructions (CSC) will retain the trade and settlement date as originally set up. Hence, if there is a corporate action in progress, that is the claims and transformation detection period is ongoing, the KADI system will recognise these instructions and will execute the necessary procedures by creating the respective instructions (for example, market claims).

2.2.1 Market & Reverse Claims on SE instructions (CSC)

Any NON-LMP and LMP SE instructions (CSC) settled till Friday 1 July 2022 16:00 will be considered respectively by KADI and Custody concerning applying Market or Reverse Claims.

After the migration of pending SE trades, those will be compensated as follows:

- NON-LMP (KADI) based on the OTC compensation rules in CASCADE;
- LMP (Custody) based on the compensation rules for pending / matched CBL internal instruction type (41, 51 / 4F, 5F).

2.2.2 Market & Reverse Claims on SE instructions (CSC) with partial delivery

Any NON-LMP SE instructions (CSC) with partial delivery until Friday, 1 July 2022 16:00 will be considered by KADI in LION and Custody applying Market or Reverse Claims for the settled part.

Upon settlement or partial settlement of the migrated instruction KADI will process the Market or Reverse Claims based on the settled nominal following the OTC compensation rules.

As Custody processes market and reverse claims for LMP securities based on pending matched CBL internal instruction type (41, 51 / 4F, 5F), all applicable instructions will result in a Market or Reverse Claim considering the remaining nominal.

2.2.3 Transformation on pending SE instructions (CSC/NCSC)

Irrespective of the custody type (CSC, NCSC-T or NCSC) or the securities type (LMP or non-LMP), any reorganisational event with Entitlement Date Friday, 1 July 2022 (processing by Thursday, 30 June 2022 evening) and resulting a new ISIN will be processed on open LION instructions. Those will be migrated if they are still pending on Friday evening.

For any event with Entitlement Date Monday, 4 July 2022 or later, the processing for non-LMP will be processed by KADI based on pending migrated OTC instructions (GESCHAEFTSART='S'). LION trades with partial delivered nominal will be migrated as well with their remaining nominal and those will be transformed by KADI based on the transformation rules for pending OTC instructions.

For any event with Entitlement Date Monday, 4 July 2022 or later, the processing for LMP will be processed by Custody based on pending migrated CBL internal instruction type (41, 51 / 4F, 5F).

2.2.4 Reversal and/or re-payment for income and non-income events

Independent from the corporate action applications (KADI and Custody), in case of event reversal on income and non-income distribution events the processing will be in line with the present procedures.

Customers are asked to check their Wertpapierstammdaten and cancel any instruction which have ISINs set up in AKV. If not cancelled, these instructions will get in the CBF 60-days recycling mode.

More information regarding the future corporate action management can be found in the SET-GO Introduction Note. Customers are invited to check the information regarding the usage of the SETI SEME Concept and the future corporate actions related reporting provided via CBF automated connectivity channels (SWIFT, MQ, File Transfer (FT)), CASCADE Online Functionality (HOST / PC) and the CBF predefined prints.

3 Pre-migration

This chapter describes the necessary preparations during the pre-migration phase for customers in order to ensure the readiness for the SET-GO CSD Migration (Phase 2). Besides the Relationship Manager and the regular Clearstream Client Service teams, the SET-GO Customer Readiness team can be contacted.

Customers being a member of a German Stock Exchange are requested to check which of the following outlined pre-migration activities are applicable for their institution. In addition, customers are invited to participate in the SET-GO Guided Customer Simulation, split in two phases called Stage 3 and Stage 4. During Stage 3 and 4, migration activities will be executed as defined below:

Migration scenario	Test execution timeline	Snapshot data
Run 1	25 April 2022 to 20 May 2022	18 March 2022
Run 2	23 May 2022 to 25 May 2022	22 April 2022

Table 2 – SET-GO Customer Simulation CSD Migration Stage 2

For more information on the test execution, please refer to the [SET-GO Customer Simulation Guideline](#).

3.1 Maintenance of static data

With SET-GO CSD Migration (Phase 2) in July 2022, SE instructions (CSC) are set up using the account details of their own settlement account or defined by the Head Office, if third-party management applies. Account settings defined for a branch account will be not considered. The initial SE instruction (CSC) will be created with the default Party Hold status ("Positiv/Negativ-Verfahren") stored in the account details of the own CBF settlement account or of the Head Office.

If changes in the account settings valid for CBF accounts are required by customers or their settlement agents, they are advised to present these modification requests by Friday, 24 June 2022. After this deadline, a frozen zone has been defined for the SET-GO CSD Migration (Phase 2). The modification of static data related to stock exchange business will be offered again after the SET-GO CSD Migration (Phase 2), starting on 11 July 2022.

3.2 Modification of connectivity settings

The following interfaces are applicable for the SET-GO CSD Migration (Phase 2). Customers are asked to ensure their connectivity settings.

Interface	Connectivity requirements
CASCADE (HOST / PC)	<p>The access management for CASCADE Online is maintained by a nominated administrator for the respective CBF and CBF-i settlement account.</p> <p>Administrators are asked to verify their current settings, allowing a seamless reporting and instructions management for SE instructions (CSC). In addition, it is proposed to check the existing user access for the maintenance of CBF instruction types (AA01 / AA02). This verification will ensure that the operational units have the necessary user rights.</p> <p>After the implementation of the release in July 2022, only CASCADE-PC version 10.2 is supported by Clearstream. Customers need to ensure that they have the latest available version installed. CBF will present the software version on Friday, 10 June 2022 for download.</p> <p>As of Wednesday, 6 July 2022, SE instruction (CSC) will no longer be displayed via the LION frontend.</p>

Interface	Connectivity requirements
Xact Web Portal (U2A)	The access management for Xact Web Portal is maintained by a nominated administrator for the respective CBF and CBF-i settlement account. Xact Web Portal administrators are asked to verify their current settings, allowing the usage of Multi Hold / Release functionality for SE instructions (CSC). It is proposed to check the existing user access for the maintenance of instructions that will be created with the CBF instruction types (AA01 / AA02). This verification will ensure that the operational units have the necessary user rights.
CBF Fileservice	During the implementation weekend of SET-GO CSD Migration (Phase 2), CBF will offer three dedicated reports informing customers about the migration of pending instructions ("Restanten"). As the transmission of the migration reporting is on demand of customers. Customers intending to receive the migrations reports are asked to verify their connectivity settings.
CBF automated connectivity channels (SWIFT, MQ, File Transfer (FT))	<p>No more LION reporting, customers need to ensure that respective CASCADE reporting is set up.</p> <p>In addition, CBF recommends customers to verify the existing CASCADE MT537 (QY) setup allowing a seamless reporting of SE instructions (CSC) based on the enhanced message configuration. More details about the CBF Statement of pending instructions can be found in the Announcement D22006.</p> <p>If customers would like to adapt their CBF connectivity settings, they are requested to contact the Connectivity Support team (connect@clearstream.com). This team supports the creation and the maintenance of settings in A2A mode. The individual configuration of settlement reports will be established by the CBF Connectivity experts.</p>

Table 3 – SET-GO CSD Migration (Phase 2) connectivity settings

3.3 Management of pending instructions

During the implementation weekend of SET-GO CSD Migration (Phase 2), Clearstream performs a "hard cut-off" on pending instructions ("Restanten"). The SET-GO migration approach defines, that any remaining LION instruction will be migrated. This is also applicable for instructions which were cancelled by T2S because the T2S recycling period was finished. The T2S recycling period will (re-)start and the "SETI" instructions will follow the OTC-like processing, that is, instructions will be cancelled after 60 business days, if the status of the instruction has not been changed. Customers need to consider that because of the requested "hard cut-off" procedure, T2S will take the newly created instruction details into consideration of the CSDR Penalty Regime and calculate the associated fees. As this may lead to late settlement penalties for pending instructions which were already failing before the migration.

CBF requests customers to clean up outdated pending instructions that cannot reach settlement on T2S after the migration by 17 June 2022. Customers need to consider that pending instructions which have been cancelled by T2S because the recycling period has been finished are still available in LION. These instructions keep waiting for a bilateral cancellation. In addition, there might be instructions in place that have not been deleted by customers after a corporate event. An early cancellation will avoid the migration of not necessary instructions which will be subsequently rejected by the T2S. The initiating of the cancellation requests supports the activities planned before the migration weekend will start on Friday, 1 July 2022.

During the migration weekend of SET-GO CSD Migration (Phase 2), customers and their counterparties will receive cancellation messages with a dedicated reason code for identification. If required, customers can skip the information for further processing steps. Customer and counterparty can recreate a related settlement instruction on their demand, if applicable.

3.4 Ordering migration reports

Clearstream will provide three different migration reports for the migration of SE instructions (CSC) via the following connectivity tools:

- CBF Fileservice;
- Connect:Direct;
- NJE; and
- CA-Spool.

Customers will receive reporting if related instructions can be retrieved before and after the migration procedure. If no data is available, no reports will be created.

Besides the migration reports for the production launch of SET-GO CSD Migration (Phase 2), the registration form offers the possibility to order migration reports for the guided simulation. During the Guided Customer Simulation, the migration reports are only available via Host Fileservice. The report language will be according to customers' reporting pre-settings in CBF– either English or German. Customers may order multiple reports combined to improve efficiency.

Customers interested in receiving the migration reports are requested to provide the filled out registration form available on the [Clearstream website](#). The form has to be duly signed by authorised signatories and has to be sent to Clearstream via mail at the latest by 29 April 2022.

For details on the reports, please refer to [Chapter 4.2.2](#) and the following sub sections. In order to receive the migration reports, customers are recommended to test their connectivity (see also [Chapter 3.2](#)).

3.5 Customer Readiness Statement

Besides the preparation of the SET-GO CSD Migration (Phase 2), Clearstream will support end-to-end testing with external parties. The SET-GO Guided Customer Simulation has been set up to enable CBF customers being a member of a German stock exchange, maintaining a settlement account or acting as a Head Office, to reach a sufficient level of confidence in their readiness. Customers can execute predefined test cases during the focus days as outlined in the SET-GO Customer Simulation Guideline.

To serve as a basis for the actual launch of the SET-GO CSD Migration (Phase 2) on 4 July 2022, CBF will present the Customer Readiness Statement on the [Clearstream website](#). Customers are requested to sign the readiness statement by 24 June 2022.

4 Migration

This chapter explains the migration activities surrounding the implementation weekend of SET-GO CSD Migration (Phase 2) on 1 and 3 July 2022 and provides information regarding management and reporting of SE instructions (CSC) that are pending (“Restanten”) or newly created (“Tagesgeschäfte”) during this time.

In July 2022, the SET-GO CSD Migration (Phase 2) is scheduled on the T2S Release 6.0 deployment weekend. Currently, the dependencies and constraints are elaborated with the T2S workstreams. In general, the T2S Playbook will be available two months prior to the launch date. More detailed information regarding migration activities and changes to the Operational day will be provided in the CBF Deployment Information and in the Indicative Timeline which will be published separately on the website.

Based on the deployment approach, modification requests (for example, Hold / Release Indicator) of LION instructions in custody type CSC and NCSC-T can be provided until Friday 1 July 2022, 15:30. These requests will not be queued. However, for SE instructions (NCSC), customers can present modification requests (MT530) to Creation as this processing is not impacted by the migration activities of Phase 2.

In order to provide additional support during the SET-GO CSD Migration (Phase 2), the SET-GO Customer Readiness team is available for customer enquiries in addition to the regular CBF Client Services team. The readiness team will support customers during the entire migration via T2S-Support@clearstream.com.

4.1 SE instructions (CSC) on Friday, 1 July 2022

SE instructions (CSC) from LION are processed in T2S in a real-time mode. On Friday, 1 July 2022 CBF is going to initiate the cancellation of pending instructions at around 16:00. Customers will receive system-wide cancellation messages containing information about the reason. The transmission of the cancellation reporting will be provided as outlined in the “Indicative Timeline” for the T2S deployment weekend July 2022.

The cancellation process considers:

- Instructions pending at T2S;
- Instructions in CBF recycling mode;
- Instructions reported to be cancelled (as T2S 60-days recycling period was completed); and
- Instructions not cancelled by customers because of corporate actions events and / or invalid securities master data.

Eligible instructions will be validated for migration to T2S for settlement on business day, Monday 4 July 2022.

On Friday, 1 July 2022, Clearstream will create a data snapshot of unsettled LION instructions (CSC and NCSC-T) before the cancellation procedure will be executed.

4.2 Migration of pending SE instructions

On Sunday, 3 July 2022, eligible SE instructions in custody type CSC and NCSC-T will be reinstructed via SETI after the necessary software modules has been activated.

Following the SET-GO CSD Migration (Phase 2), SE instructions (CSC) accepted by T2S will be processed in an “OTC-like” mode.

SE instructions flagged for the CBF recycling mode will be reported via CASCADE and presented to T2S once the reinstruction can be transmitted.

Instructions which were cancelled by T2S because the recycling period was finished will be represented to T2S. The T2S recycling period will (re-)start and the “SETI” instructions will follow the OTC-like processing, that is, instructions will be cancelled after 60 business days, if the status of the instruction has not been changed. Therefore, action on customer side may be required that is to cancel such instructions prior to the CBF migration activities (see [Chapter 3.3](#)).

Instructions which are rejected or recycled (being repaired) by SETI will be presented to customers on “Migration Report 3” (see [Chapter 4.2.2.3](#)).

4.2.1 Instructions details for a migrated SE instruction in custody type CSC and NCSC-T

This section outlines the characteristics of a migrated SE instruction (CSC). The instruction details will be set up like any future SE instruction (CSC) after the launch of SET-GO CSD Migration (Phase 2). That is, the details of a pending LION instruction will be converted into the new structure and format. However, during the migration, existing instruction linking cannot be recreated.

In general, SE instructions in custody type CSC and NCSC-T, will be created with the Party Level 1 and Party Level 2, that is:

- Party Level 1 is filled with the Settlement Account (if applicable the Head Office); and
- Party Level 2 is filled with the Settlement Account (if applicable the Head Office) or Branch.

Eligible instructions to be migrated at T2S are complemented with migration related details.

The following table shows the fields which will contain deviating or additional information in CASCADE settlement reporting that is transmitted via MT537 or MT548:

SWIFT field	Description	New created SE instruction (Restanten) in "OTC-like" mode at CBF	Previous LION instruction (CSC Restanten) cancelled by CBF
:20C::COMM	Common Reference	New LP-Reference	Not applicable
:20C::PCTI	Processor Transaction Identification	Processor Transaction Identification " is a unique identifier, which is used for the processing with T2S. The underlying T2S Actor Reference presented is based on the SETI SEME Concept (Chaper 2.1).	Used to report the T2S Actor Reference.
:20C::TRRF	Deal Reference	"Deal Reference" will present the CASCADE instruction reference (KP-reference).	LP + Bank Number + CBF Instruction Type + "Börsengeschäftsnummer" received from stock exchange + "0".
:20C::CORP	Corporate Action Event Identification	CBF will use in sese.023 the field :20C::CORP "Corporate Action Event Identification" (<CorpActnEvtId>MIRE</CorpActnEvtId>), if the pending LION instruction resulted from a corporate action, the KADI Terminart and BID is presented. The information will be displayed in the settlement reporting. Customers acting in DCP mode need to consider that the event detail is replaced by MIRE.	The information will be displayed as originally presented in the CBF settlement reporting.
:22F::RTGS	Real-Time Gross Settlement Indicator	Not applicable	This field will no longer be populated as the instructions are processed in an OTC-like mode.
:22F::SFRE	Frequency	Not applicable	This field will no longer be populated in MT537 (CBF Statement of Pending Transactions) as SETI instructions are processed in an OTC-like mode.

SWIFT field	Description	New created SE instruction (Restanten) in "OTC-like" mode at CBF	Previous LION instruction (CSC Restanten) cancelled by CBF
:22F::STCO	Settlement Transaction Condition Indicator	All instructions will contain the value "PARQ" for the Partial Settlement indicator. In the ISO 15022 the prefix "COEX" will be added. That is, :22F::STCO/COEX/PARQ In ISO 20022 it will be displayed as: <PrtlSttlmInd>PARQ</PrtlSttlmInd>	Not applicable
:25D::SETT	Status Code	If there is a unilateral cancellation request stored in LION, the leg of a transaction that requested the cancellation will be set with the status "hold".	Based on the LION positive / negative concept the parameter is set and may have been changed by customers.
:70E::TRDE (valid for MT537)	Transaction Details Narrative	Input Day ("IDAY") will be delivered as additional information. In case of a previous successful partial settlement ("Teilbelieferung"), the original quantity and amount are displayed.	Further trade specific data (for example "Rate" or "Free Text") can be provided in this field.
:70E::SPRO (valid for MT548)	Settlement Instruction Processing Narrative	Original Input Date ("IDAY") as presented by Stock Exchanges will be added. The information will be shown as additional detail with the format IDAY YYYYMMDD In case of a previous successful partial settlement ("Teilbelieferung"), the information about the original quantity and amount is displayed. The values OQTY and OAMT are used.	Not applicable
:70D::REAS	Reason Narrative	MT537 / MT548 Last status reporting upon received of T2S and / or CASCADE processing.	LION keys providing dedicated information status on the instructions and / or details on the static data for securities.
:95R::BUYR or :95R::SELL	Party Level 2	The actual seller / buyer will be presented.	Not applicable

Table 4 – SET-GO CSD Migration (Phase 2) – Migration specific instruction details

Pending SE instructions (“Restanten”) may have one of the following statuses:

- Unilaterally cancelled
For eligible SE instructions in custody type CSC and NCSC-T where one leg of the transaction is reported as cancelled, the cancellation status is not migrated. The new transaction in “OTC-like” mode for this leg will be created with “Party Hold”, preventing settlement at CASCADE.
However, the instructions are listed in the dedicated migration reporting with the latest status prior to migration, that is “flagged as unilaterally cancelled”.
- Partially settled (“Teilbelieferung durchgeführt”)
For eligible SE instructions in custody type CSC and NCSC-T which have already been partially settled (“Teilbelieferung”), only the remaining nominal and settlement amount are reinstructed. In addition, the original nominal will be reported in the settlement reporting as free text (:70E:), allowing for a reconciliation of pending instructions.
- Pending partial settlement request
For SE instructions in custody type CSC and NCSC-T where a partial settlement request is advised by the customer and has not been executed yet, the partial settlement request is not migrated. Customers may resend a Partial Release Request for the new instruction via MT530. The migrated instruction will be created with a Party Hold to prevent automated settlement.
- Party Hold status
SE instructions in custody type CSC and NCSC-T will be recreated with the Party Hold as set in the pending instruction. As described above, the Party Hold might be set as a result of unilateral cancellation or a pending partial settlement request.
After the migration, the buyer and the seller, will be allowed to modify the hold / release status of their own leg via CBF automated connectivity channels (SWIFT, MQ, File Transfer (FT)), CASCADE Online Functionality (HOST / PC) and Xact Web Portal. Customers are requested to consider that after the migration the message definition provided in the Announcement [D21021](#) can be used for already matched instructions.

4.2.2 Transmission of dedicated migration reporting

Clearstream will provide three different migration reports for the SET-GO CSD Migration (Phase 2). The distribution of these reports can be ordered (see [Chapter 3.4](#)) via the following connectivity tools:

- CBF Fileservice;
- Connect:Direct;
- NJE; and
- CA-Spool.

Questions regarding the technical setup for the Migration Reporting can be addressed to the [Deutsche Börse Connectivity Team](#).

#	Job name	Report purpose	Availability	Header English	Header German	System
1	J_26M000	To be migrated SE instructions – reinstruction will be done by CBF	Pre-Migration Reporting	LIST OF TO BE MIGRATED TRADES THE CANCELLATION IS DONE BY CBF	LISTE DER ZU MIGRIERENDEN GESCHAEFTE DIE LOESCHUNG ERFOLGT DURCH CBF	LION
2		Not to be migrated SE instructions – no reinstruction will be done by CBF	Pre-Migration Reporting	LIST OF NOT MIGRATED TRADES DELETED BY BOTH COUNTERPARTIES OR CANCELLED	LISTE DER NICHT MIGRIERTEN GESCHAEFTE STORNIERT ODER VON BEIDEN KONTRAHENTEN GELOESCHT	LION
3	J_26P000	SE instructions rejected by SETI showing an error code or transferred into SETI repair mode	Post-Migration Reporting	LIST OF NOT SUCCESSFULLY MIGRATED TRADES FINALLY REJECTED OR IN RECYCLING	LISTE DER NICHT ERFOLGREICH MIGRIERTEN GESCHAEFTE FINAL ABGELEHNT ODER IM RECYCLING	SETI

Table 5 – SET-GO CSD Migration (Phase 2) dedicated migration reporting

CBF will provide migration reporting only if applicable data set can be found. As Migration Report 1 and 2 will be delivered in one package (J_26M000), the customer will be informed at the end of the package, if Migration Report 1 and / or 2 has been created. Migration Report 3 will only be generated, if instructions cannot be successfully created by SETI, that is the pending LION instruction is rejected or will be transferred into the SETI repair mode. That is no data set will be provided if all instructions listed in Migration Report 1 have been successfully migrated.

The CBF dedicated migration reporting is based on the current LION “Lieferliste”¹. This applies to all three reports. The migration reporting sorting criteria are:

English terms	German terms
Bank Number	Banknummer
Custody type	Verwahrart
Currency	Gegenwertverrechnung
Security Identification Number (WKN / ISIN)	Wertpapierkennung (WKN / ISIN)
Trade date	Schlussstag
Broker	Eingeber
Trade number	Geschäftsnummer
Nominal	Nominale

Table 6 – SET-GO CSD Migration (Phase 2) sorting migration reporting

The report language will be according to customers’ reporting pre-settings in CBF– either English or German.

4.2.2.1 Functional details about the list of to be migrated trades

Migration Report 1, “List of to be migrated trades”, will be sent in a combined file with Migration Report 2 and contains pending SE instructions (CSC) that are selected for the SET-GO CSD Migration (Phase 2). These instructions are eligible for migration and have been cancelled in LION. The instructions to be migrated will be forwarded via SETI to T2S.

¹ CASCADE Handbuch Band 2, Kapitel 7.1: “Listen aus der Abwicklung von Börsengeschäften”.

Migration Report 1 does not yet confirm a successful migration of the reported SE instructions in custody type CSC or NCSC-T. After the transmission of the Migration Report 1, CBF will advise the completion of the migration via Operational News. Therefore, customers may start their migration activities not before the announcement was published via the Clearstream website.

To reflect the processing status of partial settlement requests (“Teilbelieferungen”), the information specified in the table below is given on the report. If there is an existing cancellation request (unilateral cancellation), then the instruction will be created with the status “on hold” on the leg where the cancellation was requested. The dedicated reporting will show the status prior to migration. It also reports the existing LION “Bemerkung”, if applicable, as shown below:

Functionality	Business context	Name in German	Name in English	LION “Bemerkung”
Partial Release Request	Remaining nominal to be settled	NOMINALE	NOMINAL	Not applicable
	Pending nominal of partial release	TEIL-NOM	PART-NOM	“TB” (“Teilbelieferung”)
	Original nominal of SE trade	URSPR-NOM	ORIG-NOM	Not applicable
Unilateral cancellation	Initiated by buyer	Not applicable	Not applicable	“LK” (“Löschung durch Käufer”)
	Initiated by seller	Not applicable	Not applicable	“LV” (“Löschung durch Verkäufer”)

Table 7 – SET-GO CSD Migration (Phase 2) Migration Report details

For an example of the Migration Report 1, please refer to the [Appendix 1](#).

4.2.2.2 Functional details about the list of not migrated trades

Migration Report 2, “list of not migrated trades”, will be sent in a combined file with Migration Report 1 and contains pending SE instructions in custody type CSC or NCSC-T that have not been selected for the SET-GO CSD Migration (Phase 2). This covers all instructions for which the customer and its counterparty bilaterally agreed on a cancellation or a system-wise deletion was requested by a CBF service (for example KADI processing). The lifecycle of these instructions ends with the cancellation in LION as they will not be forwarded to T2S.

Regarding the details for partial settlement requests (“Teilbelieferungen”) and unilateral cancellation, please refer to Table 7. For an example of the Migration Report 2, please refer to the [Appendix 1](#).

4.2.2.3 Functional details about the list of not successfully migrated trades

Migration Report 3, “list of not successfully migrated trades”, contains eligible SE instructions in custody type CSC or NCSC-T from the SET-GO CSD Migration (Phase 2) that have either been rejected or are being repaired by SETI as part of the migration process.

If no data on rejected or recycled instructions is available, no report will be created.

Rejected instructions are flagged with an error code. If the error code ends with:

Letter	Migration process	Potential customer impact
F	The instruction is rejected.	Customer and counterparty have to agree on the further settlement activities.
I	The instruction is being recycled.	The settlement instruction could not be introduced at T2S. Clearstream started to investigate and will set up the pending instruction in due time. If the instruction cannot be successfully migrated, customers will be informed.

Table 8 – SET-GO CSD Migration (Phase 2) error codes letters

Regarding the details for partial settlement requests (“Teilbelieferungen”) and unilateral cancellation, please refer to Table 7.

For an example of the Migration Report 3, please refer to [Appendix 1](#). CBF will provide a list with the error codes letters in a separate document that will be available in due time on the Clearstream website.

Customers need to consider that the migration of pending instructions require a validation by SETI. This initial step precedes the processing on T2S. After the former LION instruction has passed the SETI validation, the instruction is forwarded to T2S. T2S will validate the instruction based on its rules. The instruction will either be acknowledged and presented for lifecycle management or rejected. The result is provided to CASCADE for further processing. Based on the T2S feedback customers will receive a status reporting (MT548 or MT537) informing that the:

- Lifecycle started at T2S;
- Instruction has not been accepted by T2S and is finally rejected; or
- Instruction has been forwarded to the CBF OTC recycling service.

The feedback provided by T2S will not be shown in the Migration Report 3. Customers need to take the CBF status reporting into account while reviewing the migration results.

4.3 Processing of new stock exchange trade confirmations

In general, stock exchange trades (that is, trade confirmations; Schlussnoten) concluded on the trade date are presented to CBF at around 22:00. During the SET-GO CSD Migration (Phase 2), the existing timeline remains.

The processing of trade confirmations will not be performed in LION. All data will be queued and processed in SETI after the implementation of the CBF July Release 2022.

After the pending SE instructions “Restanten” have been successfully migrated, SETI will start simultaneously processing new SE instructions “Tagesgeschäfte” in custody types NCSC, CSC and NCSC-T that have been queued on Friday, 1 July 2022, at around 22:30.

After the opening of the CBF automated connectivity channels (SWIFT, MQ, File Transfer (FT)), customers will receive the settlement status reporting, if a report definition is set up. A related Indicative Timeline which details the schedule for the CBF Release weekend will be provided in May 2022.

Customers should request the message subscription for the enhanced MT537 CBF Statement of Pending Transactions as soon as possible and not later than 27 May 2022.

4.4 Implementation weekend of SET-GO CSD Migration (Phase 2) schedule

This section informs about the activities during the implementation weekend of SET-GO CSD Migration (Phase 2).

All migration steps and tasks are executed according to CBF’s internal schedule which has a dependency on the T2S Release 6.0. The following overview illustrates the designed migration steps. The timing is indicative and might be subject to change as T2S will deliver the deployment schedule not prior to May 2022.

In principle, the migration steps are reliant on the progress of the overall Release Weekend schedule for July 2022. That is, if tasks are completed earlier or later than expected, the precedent or the following activity might be performed earlier or later, respectively.

Date	Indicative time ²	Migration step	Detailed migration activity
Friday, 1 July 2022	At around 16:00	Cancellation	Pending SE instructions in custody type CSC and NCSC-T will be cancelled.

² Indicative time reflects an approximated time when customers may expect to receive the CBF communication via Clearstream Operational News and does not aim to reflect neither a start time nor an end time of an activity.

Date	Indicative time ²	Migration step	Detailed migration activity
	Ending latest 18:45	Cancellations finished	The cancellation of transactions with a cancellation indicator in the field reason code (:24B:) will be reported to customers via the LION reporting until the end-of-day reporting on Monday, 4 July 2022.
	At around 22:30	Queuing of new trade confirmations	Trade confirmations ("Tagesgeschäfte") from stock exchange locations arriving on Friday at around 22:00 will be queued in CBF until the various deployment activities are conducted by Clearstream and T2S.
Saturday, 2 July 2022	No actions		
Sunday, 3 July 2022	Around 05:00	Pre-Migration Reporting	Two dedicated migration reports will be provided. LION instructions in custody type CSC and NCSC-T are split: <ul style="list-style-type: none"> • Instructions to be migrated. These instructions are eligible for the transformation in an "OTC-like" mode (Migration Report 1). • Instructions not to be migrated. These instructions will be cancelled, no further settlement activities will be conducted by Clearstream (Migration Report 2).
	At around 06:30	Migration of pending SE instructions (CSC)	Once the milestone for the deployment of the new software is achieved, SETI will prepare SE instructions (CSC) and will start with the transmission to T2S.
Sunday, 3 July 2022	At around 08:00	LION Reporting	MT537 – Statement of Pending SE Transactions reported with the reporting interval value (TAG 13A) "200". LION instructions that have been cancelled during the migration weekend will be reported with the cancellation reason code "LC".
	At around 08:00		MT537 – OTC Statement of Pending Transactions MT536 – Statement of Transactions
	At around 09:30	Post-Migration reconciliation window	Migration Report 3 informing about instructions that have been rejected by SETI or transferred in the SETI repair mode will be available at around 09:30.

Date	Indicative time ²	Migration step	Detailed migration activity
	At around 10:00	Processing of new SE instructions (CSC)	Queued trade confirmations ("Tagesgeschäfte") are transmitted to T2S for further processing. The SET-GO migration approach defines a two-step process. CBF will split the "Tagesgeschäfte" provided on Friday, 1 July 2022 in two packages. The first package will contain trade confirmations with an ISD 4 July 2022, the second package will contain trade confirmations with an ISD 5 July 2022 or later.
	Starting after 10:30	LION Reporting	MT537 – Statement of Pending SE Transactions reported with the reporting interval value (TAG 13A) "250"
	Starting after 10:30		MT537 – OTC Statement of Pending Transactions MT536 – Statement of Transactions
	At around 11:00	CBF Print Report	LION Lieferliste (list of cancelled stock exchange trades) will be presented once the T2S settlement results are successfully processed
	After 11:00	System closing	Start of maintenance windows

Table 9 – SET-GO CSD Migration (Phase 2) implementation weekend schedule

Before and during the implementation weekend of SET-GO CSD Migration (Phase 2), Operational News will be published on the Clearstream website, to which CBF customers can subscribe to be informed about the progress of the migration. Customers can set up the subscription of "Alerts" for Operational News in the [MyClearstream](#) section under Subscriptions / Real-time alerts.

The customer communication follows a common approach with the T2S 6.0 Release. Customers that have subscribed to "T2S"-alerts do not need to select a new subscription. More detailed information regarding the Operational News and changes to the Operational Day will be provided in the related CBF Deployment Information. This Announcement includes the Indicative Timeline for the Implementation Weekend.

5 Post-migration

After the implementation weekend of SET-GO CSD Migration (Phase 2), customers should consider the Operational Day for the CBF instruction types (AA01 / AA02) related to SE instructions (CSC).

- LION functionality

As the LION system will be decommissioned and its functionality will be offered via the Creation and T2S / CASCADE infrastructure, dedicated LION online screens and lists remain in the CBF system landscape until the final decommissioning takes place.

Therefore, existing LION lists will be still presented, but do not contain content. Furthermore, CBF intends to disable access rights for the LION online functionality shortly after the successful migration. However, on various CASCADE online screens, the term "LION" may still appear and will be removed as part of the decommissioning activities.

The online transactions (TRAN) KVLI, KVLA and KVLS will be available to the users. As of Monday, 4 July 2022 the management of stock exchange instructions in custody type CSC and NCSC-T will be possible via Clearstream Online Functionality using the CASCADE instruction type AA01 / AA02. For NCSC instructions to be settled via Creation the new Multi Hold and Release functionality can also be used.

The existing LION A2A reporting via the CBF automated connectivity channels (SWIFT, MQ and File Transfer (FT)) will stop after Tuesday, 5 July 2022. Only cancellation messages will be distributed to customers as outlined below. As at present, the cancellation of transactions will be reported to customers via MT537 – Statement of Pending SE Transactions on the two following business days as outlined below. The cancellations will contain a cancellation indicator presented in the field :25D: and the related reason code in the field :24B:.

LION Cancellation Code LC – LOESCHUNG DURCH CBF	LION Cancellation Code LG – LOESCHUNG DURCH CBF VOM VORTAG	No further LION reporting as of
Sunday, 3 July 2022, at around 08:00 (Reporting Interval: Value in TAG 13A = 200)	Monday, 4 July 2022, at around 23:00 (Reporting Interval: Value in TAG 13A = 200)	Tuesday, 5 July 2022, at around 23:00

Table 10 – SET-GO CSD Migration (Phase 2) LION reporting schedule

- T2S settlement penalty and late matching fee

On Monday, 4 July 2022, T2S will report the settlement penalty for the LION instructions that did not achieve settlement on the business day Friday, 1 July 2022. As at present, the late matching fee is calculated for partial delivery (LION Teilbelieferungen) for the transactions settled on Friday, 1 July 2022. CBF will reverse this late matching fee based on the existing logic with the reporting on Tuesday, 5 July 2022.

Also, on Tuesday, 5 July 2022, T2S will report the settlement penalty for failed instructions and late matching fee for the formerly pending LION instructions that were migrated / reinstructed via SET1 for business day, Monday, 4 July 2022. CBF will reverse the late matching fee for migrated SE instructions on Wednesday, 6 July 2022.

- Stabilisation period

In the week following the SET-GO CSD Migration (Phase 2), customers may have an increased demand for quality checks and further activities finalising the migration tasks. Therefore, Clearstream provides customers with additional support in July 2022. For questions concerning the CBF production environment, customers should contact their regular Clearstream Client Services teams.

Customers may continue to execute further test cases on the simulation environments (OCCT / IMS23 / UTEST). The availability of the Clearstream test environments are outlined on a [dedicated webpage](#). Customers are requested to check for potential downtimes driven by the T2/T2S Consolidation project because of the Migration Weekend Dress Rehearsal planned in July 2022.

For enquiries in this context, customers can contact T2S-Support@clearstream.com, which will remain available for CBF July Release 2022 test topics.

6 Contingency

Before the start of migration procedures on the implementation weekend of SET-GO CSD Migration (Phase 2), CBF creates a data backup of production records of pending LION instructions in custody type CSC and NCSC-T. This enables CBF prior to the “Point of No Return” to recreate the pre-migration status for the event that a rollback needs to be performed. Based on this data, instructions would then continue to be processed via LION.

Additionally, CBF will consider further mitigation steps allowing a timely settlement after the SET-GO CSD Migration (Phase 2). The migration approach defines a two-step process for the transmission of the queued trade confirmations. CBF will split the “Tagesgeschäfte” provided on Friday, 1 July 2022 in two packages. The first package will contain trade confirmations with an ISD 4 July 2022, the second package will contain trade confirmations with an ISD 5 July 2022 or later. If there is a delay during the implementation weekend, trade confirmations with an ISD 4 July 2022 will be sent to T2S prior to trade confirmation with a later ISD.

Based on the T2S implementation approach no fall back scenarios are defined. It is assumed that the implementation will be executed during the weekend and new functionality will be available on the business day 4 July 2022. However, the LION reporting and online screens will not be deactivated during the migration weekend. Therefore, CBF is prepared for rollback activities. The decommissioning activities are scheduled for an upcoming CBF Release. The next release is scheduled in November 2022.

7 Customer Readiness Directory

The following time schedule has been created to support the preparation of the SET-GO CSD Migration (Phase 2) with production date Monday, 4 July 2022. The Customer Readiness Directory provides an overview regarding aspects that customers may want or have to consider in their activities before, during and after the migration. This list does not claim to be complete. It is intended for orientation purposes and does not include activities to be performed by customers for a successful migration.

Closing date	Categorisation	Description
29 April 2022	Preparation migration	Registration form SET-GO migration reporting Customers interested in the migration reporting for production should provide the signed form via mail ³ at the latest six weeks before the implementation weekend of SET-GO CSD Migration (Phase 2).
17 June 2022	Preparation migration	Clean-up pending SE instructions ("Restanten") Customers are recommended to settle or cancel pending LION instructions in custody type CSC and NCSC-T with an outdated ISD (Intended Settlement Date).
24 June 2022	Preparation migration	Customer Readiness Statement Customers using their main account for the settlement of SE instructions (CSC) or acting as Head Office are requested to return the signed Customer Readiness Statement.
24 June 2022	Preparation migration	Roles and privileges Customer are requested to set up necessary users and rights in Xact Web Portal for Multi Hold / Release functionality.
24 June 2022	Preparation migration	Static data of accounts (Frozen Zone) No change to static data concerning SE business can be performed as of this business day in the CBF production environment. Clearstream envisages a frozen zone from 27 June until 8 July 2022 with the objective to have a fixed data set for the SET-GO CSD Migration (Phase 2).
30 June 2022	Preparation migration	Corporate actions Clearstream operational teams will check on a frequent basis for upcoming corporate actions, which might be shortly before or after the implementation weekend of SET-GO CSD Migration (Phase 2). If corporate actions requiring a change of the custody type from CSC or NCSC-T to NCSC, customers will be informed.
1 July 2022	Preparation Migration	Cancellation of Pending SE Instructions (CSC) CBF is going to initiate the cancellation of pending instructions in custody type CSC and NCSC-T.
3 July 2022	Migration weekend	Implementation weekend of SET-GO CSD Migration (Phase 2) Rollout of the related software for SET-GO CSD Migration (Phase 2), migration of SE instructions (CSC) and transmission of migration reports.
4 July 2022	Post-migration	LION reporting The final LION cancellation reporting is transmitted to customers based on the existing procedures.
8 July 2022	Customer Simulation	Free simulation activity If required customers can use IMS23 / OCCT for further quality checks on their demand. Settlement activities (creation of holdings) will be supported by the Customer Readiness Team, if a request will be sent in due time.
11 July 2022	Post-migration	Stabilisation period Customer support during the stabilisation period (post-migration support).

Table 11 – SET-GO CSD Migration (Phase 2) Customer Readiness Directory

In addition to the above-mentioned activities, Clearstream recommends customers to participate in the guided simulation. For more information, please refer to the [Customer Simulation Guideline](#).

³ Form shows the details of Clearstream's postal address

Glossary

Acronym or abbreviation	Description
41 / 51	Against payment transfer (receipt) / Against payment transfer (delivery)
4F / 5F	Free of payment transfer (receipt) / Free of payment transfer (delivery)
A2A	Application to Application
AKV	Custody type NCSC
BIC	Bank Identifier Code
CA	Corporate Actions
CBF	Clearstream Banking Frankfurt (CSD)
CBF-i	CBF International 6-series account
CBL	Clearstream Banking Luxembourg (ICSD)
CSC	Collective Safe Custody
CSD	Central Securities Depository
DCP	Direct Connected Participant
EoB	End of Business
EoD	End of Day
GUI	Graphical User Interface
ICP	Indirect Connected Participant
ICSD	International Central Securities Depository
IMS23	CBF simulation environment
ISD	Intended Settlement Date
ISIN	International Securities Identification Number
KADI	CBF corporate action application (Kapitaldienste)
KUSTA	CBF account master system (Kundenstammdatensystem)
LION	Lieferfreigabe Online
MIS	Management Information System
MT	Message Type
NCSC	Non-Collective Safe Custody in accordance with German Depository Law
NCSC-T	Non-Collective Safe Custody ISINs eligible for settlement in T2S
OCCT	CBL test environment
OTC	Over the counter
PSI	Partial Settlement Indicator
PÜEV	Platz-Überschreitender Effektenverkehr
SE	Stock Exchange
SEME	Sender's Message Reference
SETI	Stock Exchange Transaction Interface
SET-GO	Stock Exchange Transactions Go OTC
SMPG	Securities Market Practice Group
STR	Streifbandverwahrung
SWIFT	Society for Worldwide Interbank Financial Telecommunication
T2S	TARGET2-Securities
U2A	User to Application
WKN	Wertpapierkennnummer
WPR	Wertpapierrechnung

Appendix 1 – Migration reports examples

Report 1 – List of to be migrated trades

CLEARSTREAM BANKING AG				ESCHBORN, DEN 01.06.2022	
MERGENTHALERALLEE 61				TELEFON +49-69-211-	
11177				TELEFAX +49-69-211-	
611177					
CREDIT SUISSE SECURITIES (EUROPE)					
LIMITED					
ONE CABOT SQUARE					
GB LONDON E14 4QJ					
BANK-NUMMER: 7 283 BIC: CSFBGB2LXXX				CURR. DATE: 01.06.2022	
LIST OF TO BE MIGRATED TRADES				PAGE : 1	
THE CANCELLATION IS DONE BY CBF					
CURRENCY : EUR					
CTDY. TYPE: GS PURCHASE					
SEC.CD	TR-DATE	NOMINAL	ORIG-NOM	CASH AMOUNT CP-A	
TR.NO BRKR VAL/SET-D		PART-NOM	INFO	ERROR-NO	
DE0008404005	25.05.22	10	10	2.050,95 7086	
276673 7501	26.05.22	10	LV XE TB		
	NUMBER	NOMINAL		CASH AMOUNT	
TOTAL	1	10		2.050,95	

CLEARSTREAM BANKING AG				ESCHBORN, DEN 01.06.2022	
MERGENTHALERALLEE 61				TELEFON +49-69-211-	
11177				TELEFAX +49-69-211-	
611177					
BANKHAUS LAMPE KG					
POSTFACH 10 14 42					
DE 40005 DUESSELDORF					
BANK-NUMMER: 6 115 BIC: LAMPDEDDXXX				TAGESDATUM: 01.06.2022	
LISTE DER ZU MIGRIERENDEN GESCHAEFTE				SEITE: 1	
DIE LOESCHUNG ERFOLGTT DURCH CBF					
WAHRUNG : EUR					
VERWAHRART: GS KAUF					
WKN	SCHLTAG	NOMINALE	URSPR-NOM	AUSM. BETRAG GKTO	
GESNR EING VAL/SET-D		TEIL-NOM	BEMERKUNG	FEHLER-NR	
DE0008404005	25.05.22	500	500	26.600,00 6249	
244250 6184	26.05.22		VZ AS ME		
	ANZAHL	NOMINALE		AUSM. BETRAG	
SUMME	1	500		26.600,00	

Report 2 – List of not to be migrated trades

CLEARSTREAM BANKING AG				ESCHBORN, DEN 01.06.2022
MERGENTHALERALLEE 61				TELEFON +49-69-211-
11177				
611177				TELEFAX +49-69-211-
PSL BAADER CLIENT ASSET ACCOUNT				
THE ROYAL LIVER BLDG, PIER HEAD				
GB LIVERPOOL L3 1LL				
BANK-NUMMER: 2 062		BIC: PERLGB2LXXX		CURR. DATE: 01.06.2022
LIST OF NOT MIGRATED TRADES				PAGE : 1
DELETED BY BOTH COUNTERPARTS OR CANCELLED				
CURRENCY : EUR				
CTDY. TYPE: GS PURCHASE				
SEC.CD	TR-DATE	NOMINAL	ORIG-NOM	CASH AMOUNT CP-A
TR.NO BRKR VAL/SET-D		PART-NOM	INFO	ERROR-NO
DE0008404005	25.05.22	600	600	5.312,04 2099
250265 2099	26.05.22		LB VZ	
	NUMBER	NOMINAL		CASH AMOUNT
TOTAL	1	600		5.312,04

5.312,04				
CLEARSTREAM BANKING AG				ESCHBORN, DEN 01.06.2022
MERGENTHALERALLEE 61				TELEFON +49-69-211-
11177				
611177				TELEFAX +49-69-211-
BNP PARIBAS SECURITIES SERVICES				
S.C.A. ZWGN DL. FRANKFURT AM MAIN				
EUROPA-ALLEE 12				
DE 60327 FRANKFURT AM MAIN				
BANK-NUMMER: 1 031		BIC:		TAGESDATUM: 01.06.2022
LISTE DER NICHT MIGRIERTEN GESCHAEFTE				SEITE: 1
STORNIERT ODER VON BEIDEN KONTRAHENTEN GELOESCHT				
WAHRUNG : EUR				
VERWAHRART: GS KAUF				
WKN	SCHLTAG	NOMINALE	URSPR-NOM	AUSM. BETRAG GKTO
GESNR EING VAL/SET-D		TEIL-NOM	BEMERKUNG	FEHLER-NR
CA0037931064	25.05.22	2.000	2.000	676,00 4043
257466 1031	26.05.22		LT VZ	
DE0008404005	10.02.21	6.303	11.549	17.585,37 4043
259367 1031	12.02.21		LT VZ	
	ANZAHL	NOMINALE		AUSM. BETRAG
SUMME	2	8.303		18.261,37

Report 3 – List of not successfully migrated trades

CLEARSTREAM BANKING AG				ESCHBORN, DEN 01.06.2022	
MERGENTHALERALLEE 61				TELEFON +49-69-211-	
11177				TELEFAX +49-69-211-	
611177					
CREDIT SUISSE SECURITIES (EUROPE)					
LIMITED					
ONE CABOT SQUARE					
GB LONDON E14 4QJ					
BANK-NUMMER: 7 283		BIC: CSFBGB2LXXX		CURR. DATE: 01.06.2022	
LIST OF NOT SUCCESSFULLY MIGRATED TRADES				PAGE : 1	
FINALLY REJECTED OR IN RECYCLING					
CURRENCY : EUR					
CTDY. TYPE: GS PURCHASE					
SEC.CD	TR-DATE	NOMINAL	ORIG-NOM	CASH AMOUNT CP-A	
TR.NO BRKR VAL/SET-D		PART-NOM	INFO	ERROR-NO	
DE0008404005	25.05.22	10	10	651,95 7086	
276673 7501	26.05.22	10	LV XE TB	SE1027F	
	NUMBER	NOMINAL		CASH AMOUNT	
TOTAL	1	10		651,95	

CLEARSTREAM BANKING AG				ESCHBORN, DEN 01.06.2022	
MERGENTHALERALLEE 61				TELEFON +49-69-211-	
11177				TELEFAX +49-69-211-	
611177					
QUIRIN PRIVATBANK AG					
KURFUERSTENDAMM 119					
DE 10711 BERLIN					
BANK-NUMMER: 1 107		BIC: QUBKDEBBXXX		TAGESDATUM: 01.06.2022	
LISTE DER NICHT ERFOLGREICH MIGRIERTEN GESCHAEFTE				SEITE: 1	
FINAL ABGELEHNT ODER IM RECYCLING					
WAHRUNG : EUR					
VERWAHRART: GS VERKAUF					
WKN	SCHLTAG	NOMINALE	URSPR-NOM	AUSM. BETRAG GKTO	
GESNR EING VAL/SET-D		TEIL-NOM	BEMERKUNG	FEHLER-NR	
DE0008404005	25.05.22	10	10	2.404,70 1111	
1001178 1170	26.05.22		LV OD	SE1234F	
	ANZAHL	NOMINALE		AUSM. BETRAG	
SUMME	1	10		2.404,70	

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June 2022
