

CBF Release June 2009

Release Information

Release Information

March 2009

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Foreword

This document contains information about the new Clearstream Banking release which is to be launched on 29 June 2009. It provides an overview of the content of the new release pertaining to the following areas and services:

- Settlement;
- Connectivity;
- Vaults.

This document provides comprehensive and detailed information about the content of the upcoming release. Please distribute it to the appropriate departments and responsible persons in your organisation.

Contact details

If you require further information about the content of this document or if you have specific queries relating to communication with Clearstream Banking, please contact our Customer Service team.

If you have any questions about connectivity services, please contact the Clearstream Banking Connectivity Help Desk in Frankfurt.

The telephone and fax numbers are shown below:

| Clearstream Banking Frankfurt | |
|--------------------------------------|---|
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| Customer Service Connectivity | Phone: +49-(0) 69-2 11-1 15 90 Fax: +49-(0) 69-2 11-61 15 90 E-mail: connectfrankfurt@clearstream.com |

We would like to inform our customers that telephone calls made to some Clearstream Banking departments will be recorded, as is customary in the financial services sector. This safeguards the interests of Clearstream Banking and protects its customers in cases of misunderstanding or erroneous transfers. The departments which record phone conversations are Customer Service, Treasury Dealing Room and Back Office. The phone lines concerned are regularly inspected to ensure that they are always in good working order.

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1. Settlement Services

CASCADE PC Version 7.1

New developments

Direct-Matching

In preparation for FoP matching the functionality of the so-called Direct-Matching for DvP transactions will be introduced. The input of a corresponding order number of the match instruction will be available in CASCADE-PC. For more information please refer to the CBF customer information "D09014 Introduction of the CASCADE "Direct Matching" functionality for securities transfers against payment", dated 3 February 2009.

Enhancements due to the new logic for Non-Income compensations

The display of the transfer reason will be introduced in CASCADE-PC following the new compensation logic. For more information please refer to the CBF customer information "F-CMG09 Extension and Harmonization of Non-Income Compensations" issued 30 January 2009 in chapter "CASCADE 6.1.13 Online Reporting".

Substitution of HOB J-Term Version 3.2

The current HOB J-Term Version 3.2 will be replaced at the end of 2009 by the HOB J-Term RD VPN version 3.4. Necessary adjustments will be communicated to the affected customers by the Technical Helpdesk. Further information can be requested under following address:

Clearstream Banking AG
Technical Helpdesk
D- 60284 Frankfurt/Main
Germany

Telephone: +49 (0)69-2 11-1 10 00
Fax: +49 (0)69-2 11-1 10 01

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2. Connectivity Services

General information

Information regarding changes arising due to the extension of the cross border services is described in the customer information "D09015 Extension of cross-border services via CSD links" from 11 February 2009 on the Clearstream Banking website.

Based on the introduction of direct matching the message MT548 "Status and Processing Advice" will be enhanced in field :70E::SPRO. Therefore the label /CPRE to deliver the counterparty CASCADE reference as well as the label /FREE to deliver the CASCADE field "Free Text" will be implemented. More information can be taken from the customer information "D09014 Introduction of the CASCADE "Direct Matching" functionality for securities" from 3 February 2009 on the Clearstream Banking website.

Introduction of mutated vowel and special characters format ISO 15022

Currently the official ISO 15022 format character set of SWIFT messages regarding fields with a x-definition¹ covers the following characters:

- a - z
- A - Z
- 0 - 9
- /
- -
- ?
- :
- {
- }
- .
- ,
- '.
- +

New developments

Following the CBF migration from ISO 7775 format to ISO 15022 format, CBF will offer an extended character set via File Transfer and IBM WebSphere MQ to all customers on the inbound side in the applications CASCADE and CASCADE-RS.

For all other applications without CASCADE and CASCADE - RS the official ISO 15022 SWIFT character set will apply furthermore. The incoming messages (CBF - inbound) will be validated accordingly.

1. Refer to syntax definition in the SWIFT handbook

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The decision to extend the standard character set mainly results from the fact that in case of registered shares a large amount of shareholder data is already registered with special characters within the share register. Additionally, the scope of the accepted characters results from an analysis which proves that these characters have been used frequently among other CASCADE - instructions.

Therefore CBF will accept the below listed special characters for incoming CASCADE and CASCADE-RS instructions (CBF - inbound) via File Transfer and MQ Web Sphere in x-fields as of 29 June 2009:

- ä
- ö
- ü
- Ä
- Ö
- Ü
- @
- ß
- á
- Á
- à
- À
- é
- É
- è
- È
- *
- ;
- %
- _
- #
- &
- =
- "

Within the reporting (CBF - outbound) the ISO 15022 compliant characters will be forwarded as before. The following special characters will be transformed as follows:

| Special Characters | | | | | | |
|---------------------|--------------------|--------------|------|------|---|---------------------------------|
| CBF-Inbound | Ä, Á, À ä, á, à | É, È é, è | Ö, ö | Ü, ü | ß | Remaining special characters |
| CBF-Outbound | A, a | E, e | O, o | U, u | s | . |

Customers requiring a test of the special characters for the migration may contact Customer Service to start with testing from April 2009.

Enhancement of MQ message scope by CBF

With the November 2008 Release CBF already implemented, the IBM WebSphere MQ interface with the following scope on the inbound and outbound side:

Inbound

Regarding CASCADE, CASCADE RS and LION the same messages as via the SWIFT interface can be sent to CBF:

| | |
|-----------------|--|
| MT530 | Blocking/ Unblocking Instructions, Set of Match Failure, Set of Self. Coll. Flag |
| MT541 - MT543 | New Entry, Release and Cancellation of Instructions |
| MT500 und MT519 | Registration, Re-registration and Modification of Shareholder Data |

Outbound

Reporting of outbound messages includes the following information:

CASCADE Life Cycle

- Matching Information (MT548)
- Processing Information (MT548)
- Cancellation Information (MT548)
- Settlement Confirmation (MT544-MT547)
- Receive Free Information (MT548)
- Settlement Allegement (MT578)
- Business Validation Feedback (MT548)

CASCADE RS

- Business Validation Feedback (MT510)

LION

- Business Validation Feedback (MT548)

New developments

The scope of information via format ISO15022 IBM WebSphere MQ will be enhanced on 29 June 2009 on the outbound side by the following products:

- Statement of Holdings (MT535)
- Clearing und Settlement Statement (MT536)
- Statement of Pending Instructions (MT537)
- Business Validation Feedback LMS (MT548)
- Processing Information LMS (MT548)
- Paying Agents Claim KADI (MT559)
- Corporate Action Notification (MT564)
- Corporate Action Confirmation (MT566)
- Corporate Action Narrative (MT568)
- Detailed Allocated Collateral (MT569)
- Summary Allocated Collateral (MT569)
- Feedback Information Registrar (MT501)
- Feedback Information Registrar (MT510)

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From a formatting perspective, these products will be setup as they are sent to CBF customers via SWIFT today. Additionally, the transmission times, as well as the product specifications, are the same. For details, refer to the CBF Connectivity Handbook, which can be downloaded from the Clearstream Banking website.

3. Vaults Services

Third-party collective safe custody

The extension of the CBF services within the vaults area makes it necessary to extend and restructure the functionality concerning the placing of instructions regarding physical securities.

New developments

Starting as from 29 June 2009 the new functionality concerning the delivery of physical securities which should not be held under collective safekeeping custody will be available for CBF customers.

The separate safekeeping of securities requires a special agreement between CBF customers and CBF. For further information relating to contents or with special questions regarding separate safekeeping, CBF customers should contact the Customer Service Domestic.

Detailed information

The entry of instructions for deposits and withdrawal of physical securities will be separated into 2 category groups. The new IMS User Menu for CASCADE transactions "Entry of Transaction for Vaults" (Erfassung Wertebereich Bank ("KVEW")) looks in future in such a way:

```
TRAN: KVEW FC:    SB:
AUFTRAGSABWICKLUNG      E R F A S S U N G  WERTEBEREICH BANK  ERFASSUNGSSTATUS
      CBF-TRESOR                      KUNDENTRESOR BEI CBF
EL  LAUFENDE EINLIEFERUNG VON          EF  EINLIEFERUNG FREMDTRESOR
    EINZEL- UND TECHN. SAMMELURKUNDEN  AF  AUSLIEFERUNG FREMDTRESOR
NV  NEUZULASSUNG / VALUTIERUNG          ES  EINLIEFERUNG SONDERVERW.
    GLOBALURKUNDEN / RAHMENURKUNDEN    AS  AUSLIEFERUNG SONDERVERW.
AL  AUSLIEFERUNG                       ET  EINLIEFERUNG EDELMETALL
                                          AT  AUSLIEFERUNG EDELMETALL
-- ID-KZ: 7999670001 -- PW:           ----- B79075D4 -- 12/11/08 -- 10:13:56 --
EA0395F Feld muß einen der angezeigten Auswahlcodes enthalten
PF3:Rücksprung  PF4:Abbruch
```

Figure 3.1. Entry of Transaction for Vaults ("KVEW")

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CBF Vaults (CBF TRESOR)

The following function codes are available for securities deposit and withdrawal instructions for CBF collective safekeeping:

- EL - Entry of current deposits and 'technische Sammelurkunde'¹ for custody types 'Collective Safe Custody', 'Vorratslager'² and 'In-house Collective Custody'
- NV - Entry of new issue of global and 'up to' global certificates and mark-ups for custody types 'Collective Safe Custody', 'Vorratslager'² and 'In-house Collective Custody'
- AL - Entry of withdrawal instructions for custody types 'Collective Safe Custody', 'Vorratslager'² and 'In-house Collective Custody'.

Customer Vault with CBF (KUNDEN TRESOR bei CBF)

The following function codes will be made available for depositing and withdrawing securities for CBF third-party individual safe custody and special safe custody:

- EF - Entry of deposit instructions for CBF third-party individual safe custody. This function is only available to CBF customers who have entered into an agreement with CBF for third-party individual safe custody.
- AF - Entry of withdrawal instructions from CBF third-party individual safe custody. This function is only available to CBF customers who have entered into an agreement with CBF for third-party individual safe custody.
- ES - Entry of deposit instructions for CBF special safe custody for custody types 'special safe custody' and 'CBF Treuhand-Lagerstelle'³. CBF special safe custody enables safekeeping of securities with custody types that are not eligible for collective safe custody (e.g. individual custody). This function is only available to CBF customers who have entered into an agreement with CBF for special safe custody.
- AS - Entry of withdrawal instructions for CBF special safe custody for custody types 'special safe custody' and 'CBF Treuhand-Lagerstelle'³. This function is only available to CBF customers who have entered into an agreement with CBF for special safe custody.
- ET - Deposits precious metal. This function is not yet available to CBF customers.
- AT - Withdrawals precious metal. This function is not yet available to CBF customers.

1. Global certificate representing a securities issue in the case of which individual certificates may be issued upon request.

2. Special type of deposit.

3. CBF acts as fiduciary agent.

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