clearstream | DEUTSCHE BÖRSE GROUP

DCP Connectivity Handbook: ISO 20022 formats and DCP Setup

For customers of Clearstream Banking Frankfurt

DCP Connectivity Handbook

Clearstream Banking AG, Frankfurt

February 2023

Document number: 7149

Foreword

This document is only relevant for CBF customers which communicate or plan to communicate with T2S in DCP mode, that is, to either exchange messages directly with T2S without routing them via CBF ("full DCP") or to complement their ICP connectivity by opting for access to the T2S GUI ("GUI DCP").

T2S uses the SWIFT ISO 20022 formats for the message exchange between the individual CSD customers, that is, full DCP mode customers and T2S. The standards of the ISO 20022 messages used by T2S are described in detail within the latest version of the User Detailed Functional Specification (UDFS). Additional documentation has been published by the European Central Bank (ECB) on "My Standards" from SWIFT. "My Standards" can be accessed via the SWIFT website.

The structure of this handbook

In the "DCP Connectivity Handbook" only those message fields are described in detail where CBF requires or provides specific values which are relevant for the processing within CBF.

The chapters of this Handbook cover the following topics:

- CBF specific content of ISO 20022 instructions to T2S;
- CBF specific content of ISO 20022 reporting from T2S;
- Communication between T2S, CBF and full DCP mode customers;
- CBF standard setup for full DCP and GUI DCP mode customers;
- Recommended Power of Attorney (PoA) setup for full DCP mode customers;
- Aspects to be considered by full DCP customers regarding ICP mode connectivity via ISO 15022.

For further details concerning the ISO 15022 message exchange via CBF, please refer to the Connectivity Handbooks Part 1-3.

This page has intentionally been left blank.

Table of contents

This page has intentionally been left blank.

1 General information

A full DCP mode customer has to comply with the T2S message formats and use one of the T2S authorised communication channels:

- An A2A connectivity contractual arrangement with one of the available Network Service Providers is needed.
- The ISO 20022 message standards are to be used for the message exchange with T2S.

In addition, the customer systems need to follow T2S settlement management and settlement rules.

Customers can manage the same Securities Accounts (SACs) in ICP and DCP mode. Full DCP mode customers can send instructions directly to T2S and might also receive feedback from T2S. In order to communicate with T2S, both full DCP and GUI DCP mode customers must fulfil the setup requirements in T2S (see chapter 3).

In full DCP mode, customers can instruct the following transactions directly to T2S:

- German domestic OTC transactions (against EUR or foreign currencies as FoP) including transfers to Eurex collateral accounts for pledges;
- Non-CCP Stock Exchange transactions (against EUR);[1]
- Cross-border (In-CSDs and Out-CSDs) OTC transactions (against EUR);
- De-registrations of registered shares positions.

The following instruction types are supported in T2S[2]:

- Delivery Free of Payment (DFoP) and Receive Free of Payment (RFoP);
- Delivery versus Payment (DvP) and Receive versus Payment (RvP);
- Delivery with Payment (DwP) and Receive with Payment (RwP);
- Payment Free of Delivery (PFoD)[3].

T2S supports settlement against payment in EUR. Full DCP mode customers can submit instructions against EUR as DvP/RvP instructions to T2S whereas non-EUR instructions must be instructed as FoP instructions with cash details (currency, amount, credit/debit indicator) as the cash part settles on Clearstream's Creation platform.

CBF receives a copy of each instruction (sese.023) entered by the full DCP mode customer to T2S and reflects it within the CBF systems. The information is required to support CBF specific internal processes. In addition, this offers full DCP mode customers the possibility to retrieve information on their instructions from CASCADE Online and receive reports via the ISO 15022 message formats. Vice-versa, the full DCP mode customer can receive a copy of any instruction submitted to T2S through or by CBF for example, instructions generated by CBF, instructions based on Corporate Actions from KADI or customer instructions sent in ICP mode.

Registered shares positions are earmarked (RSHB or RSKE) in T2S. In order to separate registered from unregistered positions, CBF instructs settlement restriction semt.013 (Intra Position Movement Instruction) messages. Full DCP mode customers might receive a copy of the semt.013, semt.014 and semt.015 (confirmation) messages from T2S when these position types are changed (see section 2.2.2 and 3.2.5).

[1] Customers acting in DCP mode can participate to the non-CCP Stock Exchange instruction flow only after successful completion of customer simulation testing.
[2] CBF customers acting in ICP and full DCP mode can instruct them.
[3] PFoD instructions are passed just like DvP/RvP instructions with the securities nominal amount zero. However, settlement of PFoD requires two legs, that is, the cash delivering party need to instruct a securities receipt (PFoD RECE) and the cash receiving party need to instruct a securities delivery (PFoD DELI).

In addition to the direct communication with T2S, full DCP mode customers need to communicate directly with CBF in ICP mode (via ISO 15022 messages or CASCADE Online) in order to instruct CBF specific transaction types. For these transaction types, CBF applies specific processes before the respective instructions are forwarded to T2S for settlement, for example, bond-stripping instructions where additional instructions are automatically generated by CBF or specific parameters need to be added (like linkages) in order to achieve a correct settlement of the transaction in T2S. In addition, this applies to transactions for which the instructions are generated automatically or to those which are not or only partially processed in T2S, like registrations of shares.

However, CBF instructs the respective transactions in such a way that full DCP mode customers are able to modify and cancel their transactions through A2A or T2S GUI directly.

The following CBF specific transaction types and functions can be instructed in ICP mode only[4]:

- CASCADE-RS transactions:
  - Re-registrations;
  - Initial registrations;
  - Internal Account transfers of registered positions;
  - External Account transfers of registered positions;
  - Transfer of unregistered positions CA (FMB-KE).
- TEFRA D Releases;
- Conversion of partial rights/full rights;
- BSV/LSV transfers (transfers to the public financial agencies);
- Pledge / Return (of Collateral);
- GBC Exchange / re-exchange;
- Bond Stripping / re-attachment;
- Securities deposit / withdrawal;
- Warrant Detachment / re-attachment;
- Xemac® transfers;
- Non-CCP stock exchange transactions[5];
- Specific Eurex CCP trades; and
- Flagging of counterparty instructions with match error code.

For a description of the processes applied to these transaction types and functions, please refer to the CBF Customer Handbook and the Xemac User Manual. Details on how to instruct in ICP mode via ISO 15022 can be found in the Connectivity Handbooks Part 1-3.

Alternatively, to a full DCP mode access (U2A and A2A), CBF also offers the possibility to connect in GUI DCP mode. Customers choosing this option can access the T2S GUI to:

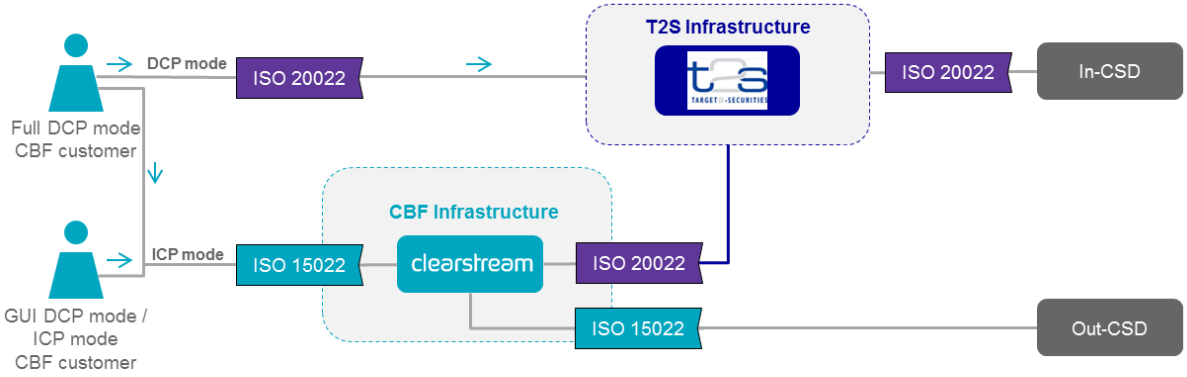
- Send queries on static and dynamic data;
- Configure and view reports;
- Modify[6], link and cancel settlement instructions.

Please note that in order to access the T2S GUI, GUI DCP mode customers must have a contractual arrangement with one of the available Network Service Providers.

[4] Reporting from T2S includes instructions which are sent through or by CBF.
[5] Customers acting in DCP mode can participate to the non-CCP Stock Exchange instruction flow only after successful completion of customer simulation testing. The transactions are submitted by the trading platforms
[6] This includes the amendment of the process indicator and the hold/release of settlement instructions.

Except for the above-mentioned activities, GUI DCP mode customers cannot directly trigger functionalities in T2S (in particular they cannot directly instruct) and must always communicate with CBF in ICP mode (via ISO 15022 messages or CASCADE Online). Please refer to the Connectivity Handbooks Part 1-3 for details on the A2A connectivity of GUI DCP mode customers.

The following picture shows the A2A aspects of the ICP and DCP connectivity modes:



Customers acting in full DCP mode

- will provide core settlement instructions in ISO 20022 to T2S.
- must use the existing ISO 15022 connectivity channel to CBF to instruct CBF specific instruction types that are not supported in DCP mode.

Customers acting in GUI DCP mode or ICP mode

- will provide their messages via the existing CSD channel in ISO 15022. The existing interface between CBF and its customers will be enhanced to enable the access to the entire service offering.
- GUI DCP mode customers will additionally have limited access to the T2S GUI.

2 Communication in full DCP mode

The following chapters provide information on:

- How CBF customers need to provide CBF specific information in full DCP mode, like the staff blocking date within a sese.023 instruction to T2S;
- Fields containing CBF specific information within the T2S reporting to full DCP mode customers. This can either be the case for instructions submitted to T2S in ICP mode or for instructions generated and sent by CBF;
- Examples of ISO 20022 messages.

All scenarios described in the following chapters can also be managed in ICP mode.

2.1 ISO 20022 messages submitted by full DCP mode customers to T2S

2.1.1 sese.023 (Securities Settlement Transaction Instruction)[7]

The sese.023 message type represents a settlement instruction within T2S. It is sent by a CSD or a directly connected T2S party (DCP) to T2S. The settlement instruction allows the instructing party to request a transfer of securities relating to a securities transaction with or without a cash payment.

CBF requirements:

In sese.023 instructions the following CBF specific information might need to be included depending on the business scenario:

- Level 1 counterparty declaration details;
- Additional details for the handling of foreign currency transactions;
- Shareholder details for de-registration of registered shares (RS) positions.

2.1.1.1 Trade Details

All values allowed by SWIFT for the field "Place of Trade" can be provided to T2S. The Place of Trade (PlcOfTrad) is specified in the Trade Details (TradDtls) sequence of the sese.023 SWIFT message as a MIC (Market Identifier Code as defined in ISO 10383 Market Identification Code) using "<Id><MktIdrCd> of <MktTpAndId> with <Tp><Cd><EXCH>" or for any other "Place Code (Type)" in "<Id><Desc> of <MktTpAndId>".

[7] The standards of the ISO 20022 messages used by T2S are described in detail within the User Detailed Functional Specification (UDFS).

CBF requirements

According to the SWIFT message catalogue, the following "Place Codes (Type)" available for this field are processed using the below rules:

Place Code (Type)	Description	Rule
EXCH	Stock Exchange	If the code "EXCH" is used, only ISO 10383 Market Identifier Codes (MIC) values can be transmitted. Note: Customers and Stock Exchanges need to ensure the correct MIC is used, as CBF will not validate the content of the field.
OTCO	Over the Counter	CBF restrictively uses the value "1GFF" for processing of collateral management and securities lending instructions. This value must not be provided by customers and results in a rejection of the instruction. Other values are accepted by CBF and are not transferred to CASCADE's instruction database.
PRIM	Primary Market	Additional values (narrative or description) are neither validated by CBF nor transferred to CASCADE's instruction database.
SECM	Secondary Market	
VARI	Various	

All other information provided on different trading locations is not considered. That is, the information that is not stored by CBF as instruction details is also not available for downstream processes.

2.1.1.2 Declaration details

Declaration details contain the specific CASCADE fields which are not covered by the SWIFT definitions.

Declaration details will be used to:

- Provide specific legacy security transfer reasons with the label SETR;
- Labels for the de-registration of RS positions with the shareholder number SHNN;
- Information regarding staff blocking with the label STBL and STBD.

The name of each label must be preceded by a slash and there must always be one space between the label name and the content:

- The content/value of a sub-field must not contain any "/".

The declaration details must be provided in the delivering party 1 sequence. The syntax known by the CBF ISO 15022 interface is re-used.

The following labels are relevant for instructing in full DCP mode:

Label name	Description
SETR	Securities transfer reason
STBL	Staff blocking
STBD	Staff blocking date
SHNN	Shareholder number

Example for declaration details:

The following example shows how to enter staff blocking details in a sese.023 message. CBF specific information is marked in "bold".

<SctiesSttlmTxInstr> <TxId>C44P093344B95AD</TxId> <SttlmTpAndAddtlParams> <SctiesMvmntTp>DELI</SctiesMvmntTp> <Pmt>FREE</Pmt> </SttlmTpAndAddtlParams> … <RcvgSttlmPties> <Dpstry> <Id> <AnyBIC>DAKVDEFFXXX</AnyBIC> </Id> </Dpstry> <Pty1> <Id> <AnyBIC>BANKDEFFXXX</AnyBIC> </Id> <AddtlInf/> <DclrtnDtls>**/STBL J/STBD 20140703**</DclrtnDtls> </AddtlInf> </Pty1> </RcvgSttlmPties> </SctiesSttlmTxInstr>	sese.023 Staff blocking flag "J" with blocking date

2.1.1.3 Foreign currency transactions

T2S supports against payment instructions only in EUR. However, CBF customers can still instruct settlement against foreign, that is, non-EUR currencies.

In T2S, full DCP mode customers must instruct foreign currency transaction as:

- Free of payment (DFoP/RFoP) instruction (including cash information for CBF which is a matching criterion in T2S);
- The partial settlement indicator must be set to NPAR.

Example for foreign currency instructions:

The following example shows how to enter foreign currency instruction details in a sese.023 message. CBF specific information is marked in "bold".

<SctiesSttlmTxInstr> <TxId>C44P093344B95AD</TxId> <SttlmTpAndAddtlParams> <SctiesMvmntTp>DELI</SctiesMvmntTp> <Pmt>**FREE**</Pmt> </SttlmTpAndAddtlParams> … <SttlmParams> ... <PrtlSttlmInd>**NPAR**</PrtlSttlmInd> … <SttlmParams> <SttlmAmt> <Amt Ccy="**USD**">**100**</Amt> <CdtDbtInd>**CRED**</CdtDbtInd> </SttlmAmt> </SctiesSttlmTxInstr>	sese.023 FREE mandatory NPAR mandatory Cash information 100 USD Credit

2.1.1.4 De-registration of RS positions

De-registrations ("Bestandsübertrag") are instructed by customers to remove a beneficial owner from the register and transfer the respective securities position from the registered position to the unregistered position. Therefore, the instructions need to be forwarded to T2S for settlement of the transfer from position type RSHB to AWAS[8].

For further details on the de-registration process, please refer to the CBF Customer Handbook.

The following conditions must be fulfilled for de-registration instructions:

- Delivery Free of Payment instruction (sese.023);
- ISIN must be a registered share ISIN;
- Instruction must be "Already matched" (SctiesSttlmTxInstr/TradDtls/MtchgSts/Cd);
- Delivering and receiving accounts must be identical;
- The receiving account must be provided in Receiving Party 1;
- Transaction code must be OWNI;

[8] AWAS – AvailableWithNoAdditionalStatus
RSHB – Earmarking Registered Shares

- SecuritiesSubBalanceType is "RSHB" (SctiesSttlmTxInstr/SttlmParams/SctiesSubBalTp/Id);
- Partial settlement indicator must be set to NPAR.

The instruction must include additional information on the beneficial owner to be de-registered, that is, customer reference number and shareholder number in the event of multiple positions under one client reference. The customer reference number is to be provided in the delivering party fields.

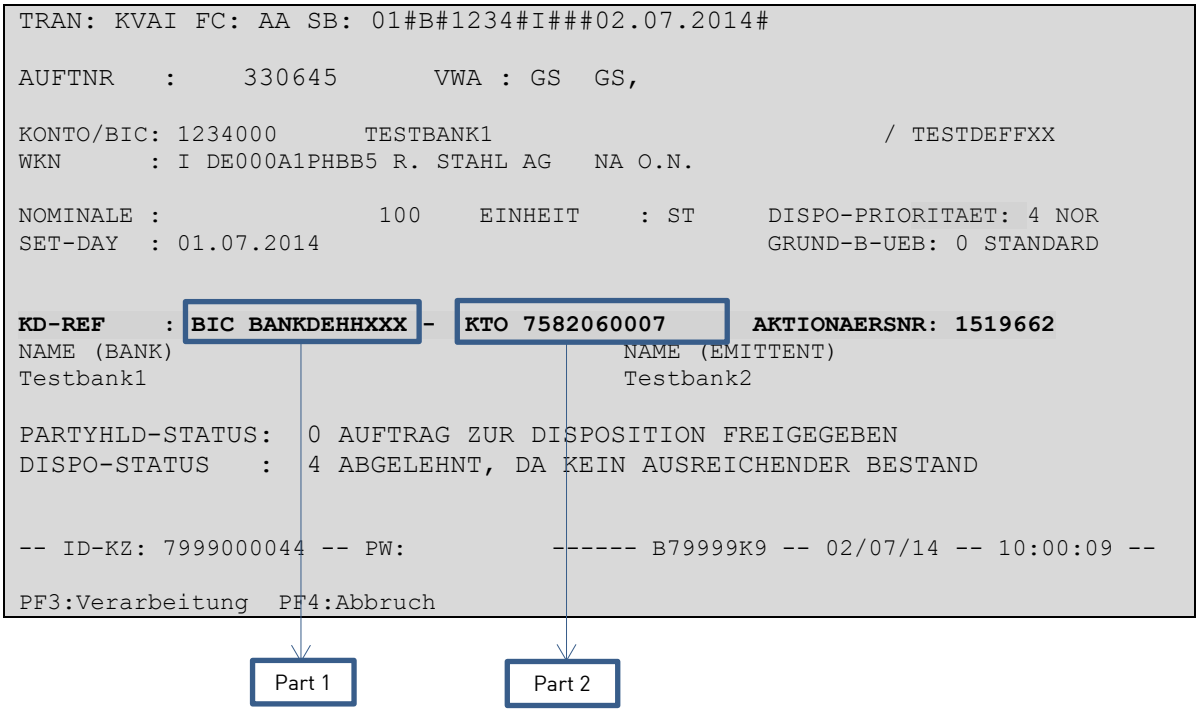
The customer reference (KD-REF) consists of two parts:

- Part 1 specifies the bank reference ID and the respective value (BIC, BLZ etc.). This part of the customer reference is not a mandatory field within a de-registration message.
  (Examples: BLZ 10010000, BIC BANKDEFF)
  - If Part 1 of the customer reference is not specified, then MSC-NONREF has to be entered. Part 1 of the customer reference is to be defined in field "delivering party 2" in the sese.023 message as proprietary details:

<PrtryId> <Id>**MSC-NONREF**</Id> <Issr>**DAKV**</Issr> </PrtryId>	"MSC-" must be followed by "NONREF"[9]. The Data source scheme (DSS) is mandatory with PrtryId, that is, DAKV.

- Part 2 specifies the customer account ID (for example, KTO) and the respective customer account value (for example, 123456). Only the customer account value is a mandatory field within a de-registration message, the customer account ID is optional.
  - Part 2 of the customer reference must be defined in field "delivering party 3".
- The shareholder number (AKTIONAERSNR) can be filled in the value of the declaration details of the receiving party 1.

The CASCADE screen below shows the relevant shareholder details which are included in the sese.023 instruction further down:



[9] CBF supports MSC NONREF only for De-registration instructions.

Example of sese.023 message for De-registration:
The example below shows how the de-registration details have to be provided in the sese.023 message. The details are shown in the CASCADE screen above.

<SctiesSttlmTxInstr>	sese.023
<TxId>C44P093344B95AD</TxId>	
<SttlmTpAndAddtlParams>	
<SctiesMvmntTp>**DELI**</SctiesMvmntTp>	DELI is mandatory.
<Pmt>**FREE**</Pmt>	FREE is mandatory.
</SttlmTpAndAddtlParams>	
<TradDtls>	
<TradDt>	
<Dt>	
<Dt>2014-07-01</Dt>	
</Dt>	
</TradDt>	
<SttlmDt>	
<Dt>	
<Dt>2014-07-01</Dt>	
</Dt>	
</SttlmDt>	
<MtchgSts>	
<Cd>**MACH**</Cd>	MACH is mandatory.
</MtchgSts>	
</TradDtls>	
<FinInstrmId>	
<ISIN>DE000A1PHBB5</ISIN>	
</FinInstrmId>	
<QtyAndAcctDtls>	
<SttlmQty>	
<Qty>	
<Unit>100</Unit>	
</Qty>	
</SttlmQty>	
<SfkpgAcct>	The safekeeping account must be identical
<Id>**DAKV1234000**</Id>	to the receiving and delivering party 1.
</SfkpgAcct>	
</QtyAndAcctDtls>	
<SttlmParams>	
<SctiesTxTp>	
<Cd>**OWNI**</Cd>	OWNI is mandatory.
</SctiesTxTp>	
<PrtlSttlmInd>**NPAR**</PrtlSttlmInd>	NPAR is mandatory.
<SctiesSubBalTp>	
<Id>**RSHB**</Id>	RSHB is mandatory.
<Issr>**T2S**</Issr>	T2S[10] is mandatory.
<SchmeNm>**RT**</SchmeNm>	RT is mandatory.
</SctiesSubBalTp>	
</SttlmParams>	
<DlvrgSttlmPties>	
<Dpstry>	
<Id>	
<AnyBIC>DAKVDEFFXXX</AnyBIC>	
</Id>	
</Dpstry>	

[10] T2S and RT must be entered for position types RSHB/RSKE.

<Pty1> <Id> <AnyBIC>**TESTDEFFXXX**</AnyBIC> </Id> <SfkpgAcct> <Id>**DAKV1234000**</Id> </SfkpgAcct> </Pty1> <Pty2> <Id> <PrtryId> <Id>**BIC-BANKDEHHXXX**</Id> <Issr>**DAKV**</Issr> </PrtryId> </Id> </Pty2> <Pty3> <Id> <PrtryId> <Id>**KTO-7582060007**</Id> <Issr>**DAKV**</Issr> </PrtryId> </Id> </Pty3> </DlvrgSttlmPties> <RcvgSttlmPties> <Dpstry> <Id> <AnyBIC>DAKVDEFFXXX</AnyBIC> </Id> </Dpstry> <Pty1> <Id> <AnyBIC>**TESTDEFFXXX**</AnyBIC> </Id> <SfkpgAcct> <Id>**DAKV1234000**</Id> </SfkpgAcct> < AddtlInf/ > <DclrtnDtls>/**SHNN 1519662**</DclrtnDtls> </AddtlInf> </Pty1> </RcvgSttlmPties> </SctiesSttlmTxInstr>	BIC of safekeeping account Delivering party 1 account Customer reference (KD-REF field 1) DSS mandatory with "PrtryID"[11]. Customer reference (KD-REF field 2) DSS mandatory with "PrtryID". BIC11 must be identical to the BIC11 of the Delivering Party 1. The safekeeping account must be identical to the safekeeping account provided in the "QuantityAndAccountDetails" sequence. In the receiving parties sequence SHNN is followed by a blank space and the Shareholder number.

[11] Alternatively, the customer can enter the BIC in the field <AnyBIC> instead of using <PrtryId> with data source scheme DAKV.

Example of a current ISO 15022 MT542 for de-registrations:

This example is provided to help customers who are currently instructing in ISO 15022 to map to the fields of the sese.023 message.

:16R: GENL	MT542
:20C: :SEME//C44P093344B95AD	
:23G: NEWM	
:98C: :PREP//20140811135951	
:16S: GENL	
:16R: TRADDET	
:98A: :SETT//20140701	
:98A: :TRAD//20140701	
:35B: ISIN DE000A1PHBB5	
:16S: TRADDET	
:16R: FIAC	
:36B: :SETT//UNIT/100,	
:97A: :SAFE//12340000	
:16S: FIAC	
:16R: SETDET	
:22F: :SETR//**OWNI**	OWNI is mandatory.
:16R: SETPRTY	
:95P: :REAG//TESTDEFFXXX	
:97A: :SAFE//12340000	
:16S: SETPRTY	
:16R: SETPRTY	
:95P: :PSET//DAKVDEFFXXX	
:16S: SETPRTY	
:16R: SETPRTY	
:95P: :DECU//**BANKDEHHXXX**	Customer ref (KD-REF field 1)
:16S: SETPRTY	
:16R: SETPRTY	
:95Q: :SELL//TESTNAME	
:97A: :SAFE//**KTO-7582060007**	Customer ref (KD-REF field 2)
:70E: :DECL//**/SHNN 1519662**	Shareholder number
:16S: SETPRTY	
:16S: SETDET	

2.1.1.5 Flag for real-time reporting messages in ICP mode

CBF offers real-time reporting messages in ICP mode via MT548 and MT544-547 also for instructions sent in DCP mode. In order to receive real-time reporting messages in ICP mode, DCP mode customers must provide the code "DAKV/YCON" in the sese.023 message as shown in the example. If a DCP mode customer does not want to receive the ICP mode reporting messages they should not provide the code YCON, which implies default handling will apply[12].

However, irrespective of this flag the messages will be reported in MT536 and MT537.

Example: Flag for real-time reporting in ICP mode

The example below shows how the code YCON has to be provided in the sese.023 message.

<SctiesSttlmTxInstr> <TxId>C44P093344B95AD</TxId> <SttlmTpAndAddtlParams> <SctiesMvmntTp>**DELI**</SctiesMvmntTp> <Pmt>**FREE**</Pmt> </SttlmTpAndAddtlParams> <TradDtls> <TradDt> <Dt> <Dt>2014-07-01</Dt> </Dt> </TradDt> <SttlmDt> <Dt> <Dt>2014-07-01</Dt> </Dt> </SttlmDt> <Rptg> <Prtry> <Id>YCON</Id> <Issr>DAKV</Issr> </Prtry> </Rptg> </TradDtls> …… </SctiesSttlmTxInstr>	Flag for real time reporting

Customers acting in DCP mode can enable the CBF ICP reporting for an instruction, if the CBF message subscription is established. The DCP must use the "YCON" setting in sese.023.

The DCP can instruct with the "BIYI" transaction code for Buy-in (as this code is supported in ISO 20022 format) but the CBF-related settlement reporting shows "BYIY" instead of "BIYI" (as the code "BYIY" and not "BIYI" is supported in ISO 15022 format).

[12] For DCP instructions against an Out-CSD, movements from the main account to the /995 account are always reported with a settlement confirmation. Even if the DCP does not make a specific entry or sends the NCON flag, this will not change.

2.1.1.6 Settlement parties 2-5

Irrespective of the transaction type customers can enter in the sese.023 message within the fields of settlement parties 2-5 the following identifiers (BIC, BLZ, KTO, ACC and TXT) in combination with the four-character Data Source Scheme (DSS)[13]. For CBF relevant details, DSS to be used is "DAKV".

The BIC can be entered within the settlement parties 2-5 in two ways in order to be mapped to the "BIC" in CASCADE:

<Id> <PrtryId> <Id>**BIC-TESTDEFFXXX**</Id> <Issr>**DAKV**</Issr> </PrtryId> </Id>	With PrtryId, BIC must be prefixed with the identifier "BIC-". DSS is mandatory with <PrtryId>, that is, DAKV.

For CBF relevant details the identifier BIC must be followed by "-" but not a blank space, the same applies to KTO and ACC identifiers.

OR

<Id> <AnyBIC>**TESTDEFFXXX**</AnyBIC> </Id>	When the BIC is entered in field AnyBIC the <PrtryId> with DSS is not required.

Note: If the BIC is transported via the field "AnyBIC", T2S will always match it against other BICs. If the BIC is transported in the field "PrtryId", T2S will match it against the value provided in "PrtryId", which might not be a BIC. It is therefore recommended to always transport a BIC via the field "AnyBIC".

The bank code (Bankleitzahl) can be entered within the settlement parties 2-5 as follows in order to be mapped to the "BLZ" in CASCADE:

<Id> <PrtryId> <Id>**12345678**</Id> <Issr>**DEBL**</Issr> </PrtryId> </Id>	Bank code (Bankleitzahl) DSS is mandatory with <PrtryId>, that is, DEBL[14].

[13] If the DSS is longer than four characters <SchmeNm> is mandatory together with <Issr>.
[14] An official SMPG (SWIFT Market Practice Group) guideline to use the DSS "DEBL" for BLZ information.

The account number can be entered within the settlement parties 2-5 as follows in order to be mapped to the "KTO" in CASCADE:

<Id> <PrtryId> <Id>**KTO-7582060007**</Id> <Issr>**DAKV**</Issr> </PrtryId> </Id>	The account number must be prefixed with "KTO-". DSS is mandatory with <PrtryId> that is, DAKV.

The account number can be entered within the settlement parties 2-5 as follows in order to be mapped to the "ACC"[15] in CASCADE:

<Id> <PrtryId> <Id>**ACC-123658964**</Id> <Issr>**DAKV**</Issr> </PrtryId> </Id>	The Account number must be prefixed with "ACC-". DSS is mandatory with <PrtryId> that is, DAKV.

Text can be entered within the settlement parties 2-5 as follows in order to be mapped to "TXT" in CASCADE:

<Id> <NmAndAdr> <Nm>**NAMEANDADDRESS**</Nm> </NmAndAdr> </Id>	If text is entered in the field, the DSS is not required.

For non-CCP Stock exchange transactions, Customers acting in DCP mode will receive the following details:

- Pty1 contains the T2S Party BIC assigned to the CBF settlement account (customer's main account) dedicated for settlement of SE instructions (CSC)
- Pty2 contains the account information for buyer and seller as delivered by the stock exchange.

<Pty1> <Id><AnyBIC>DEAGDEFFXXX</AnyBIC></Id> <SfkpgAcct><Id>DAKV4444000</Id></SfkpgAcct> </Pty1> <Pty2> **<Id><PrtryId>** <Id>4444</Id><Issr>DAKV</Issr> </PrtryId></Id> </Pty2>	If the party that is delivered by the stock exchange as BUYR / SELL is configured as a settlement participant / agent, Party Level 1 contains the T2S Party BIC and Party Level 2 contains the account information of buyer and seller.
<Pty1>	If the party that is delivered by the

[15] ACC is not allowed for de-registration instructions instead can specify <NmAndAdr> together with <SfkpgAcct>.

<Id><AnyBIC>DEAGDEFFXXX</AnyBIC></Id> <SfkpgAcct><Id>DAKV4444000</Id></SfkpgAcct> </Pty1> <Pty2> **<Id><PrtryId>** <Id>9999</Id><Issr>DAKV</Issr> </PrtryId></Id> </Pty2>	stock exchange as BUYR / SELL is not configured as a settlement participant (that is Reg-Über-Filiale (Branch)), Party Level 1 provides the T2S Party BIC and safekeeping account (T2S SAC) details of the of the settlement agent (Reg-Über Zentrale (Head Office)). In Party Level 2 the account details of the buyer / seller are provided.

2.1.1.7 CBF validation

T2S performs the business validation process as soon as the instruction is in the T2S system. Based on the rules defined by CBF in T2S, T2S may reject the instruction during the validation process for some of the following reasons. For example

If a full DCP mode customer

- Instructs CBF transaction types which are allowed only in ICP mode (see chapter 1);
- Instructs against an account which is not authorised for customer instructions (for example, TEFRA D blocking account);
- Instructs DVP against an account not authorised for DVP settlement.

T2S may set a CSD Validation Hold based on the rules defined by CBF. A CSD Validation Hold is set to perform a CBF-internal validation or process before the instruction can settle. For example

- Foreign currency instructions;
- "Bestandübertrag", that is, position transfer.

If the internal validation is passed, CBF will release the CSD Validation Hold. If the internal verification fails, CBF will cancel the instruction in T2S. Please refer to the CBF Customer Handbook for further information on the CSD Validation Hold processes.

However, DCP mode instructions that do not fulfil the CBF requirements of the sese.023 content will lead to a CBF sese.020 cancellation request without any specific information about the processing problem. In addition, CBF applies a CSD Hold on the instruction to prevent settlement. If immediate matching takes place on T2S, the counterparty must cancel as well due to bilateral cancellation requirements. If such an instruction settles before it can be (bilaterally) cancelled, CBF will reverse the booking.[16]

2.1.2 sese.030 (Securities Settlement Condition Modification)

The sese.030 message type represents an Amendment Instruction within T2S. It is sent by a CSD or other directly connected participant (DCP) to modify a single process indicator on either a Settlement Instruction or Settlement Restriction.

This message is generally used to hold or release securities settlement instructions using the hold indicator. In addition, priorities, partial settlement indicators and linkages can be modified.

For deliveries on hold allowing partial settlement, a partial settlement request for a specified nominal can be set up. In response to the partial settlement request, the instructing party receives a sese.031 message from T2S informing about the current status of the request.

[16] This process applies in all cases where DCP instructions are accepted by T2S but violate CBF validations. The cancellation will be submitted to T2S with BIC and T2S Actor Ref of the DCP. The final cancellation information will be delivered to the DCP with a CANI ("Cancelled by yourself").

In order to identify the instruction to be modified, the full DCP mode customer can either provide:

- The T2S Actor reference[17] (customer own reference); or
- The T2S MITI reference.

The ability to modify the original instruction depends on its status. Please refer to the CBF Customer Handbook for more details.

However, for the modification of already matched instructions, the following T2S rules apply:

- If the T2S Actor reference is entered then both legs will be modified.
- If the T2S MITI reference is entered then only the referenced leg is modified.

CBF requirement

The message must be filled according to the T2S requirements. No specific details are required for CBF processing. The standards of the ISO 20022 messages used by T2S are described in detail within User Detailed Functional Specification (UDFS).

[17] Following T2S rules, addressing of instruction legs with an original instructor BIC different to the instructor BIC of the modification request, requires quotation of the T2S reference. This is also relevant for sese.020 messages in the next chapter.

Example of a modification (Party Hold)

The following example describes how an instruction can be set on Party Hold:

<SctiesSttlmCondsModReq> <SfkpgAcct> <Id>DAKV7004000</Id> </SfkpgAcct> <ReqDtls> <Ref> <AcctSvcrTxId>C44M082840123A1</AcctSvcrTxId> </Ref> <HldInd> <Ind>**TRUE**</Ind> <Rsn> <Cd> <Cd>**PTYH**</Cd> </Cd> </Rsn> </HldInd> </ReqDtls> </SctiesSttlmCondsModReq>	sese.030 Hold indicator to be set on TRUE PTYH to be set for party hold

In response to the modification request, the instructing party receives a sese.031 message from T2S informing about the current status of the modification request.

2.1.3 sese.020 (Securities Transaction Cancellation Request)

The sese.020 message type represents a cancellation instruction. It is sent by a CSD or other directly connected participant (DCP) to T2S in order to cancel instructions which are not fully settled.

In order to identify the instruction to be cancelled, the full DCP mode customer can either provide:

- The T2S Actor reference[18] (customer own reference); or
- The T2S MITI reference.

The ability to cancel the original instruction depends on its status. Please refer to CBF Customer Handbook for more details.

However, for the cancellation of already matched instructions the following T2S rules apply:

- If the T2S Actor reference is entered then both legs will be cancelled;
- If the T2S MITI reference is entered then only the referenced leg is cancelled.

Cancellations of foreign currency instructions on CoSD hold must be sent with Instructing Party "DAKVDEFFCOS".

CBF requirement

The sese.020 messages must be filled according to the T2S requirements. No specific details are required for CBF processing. The standards of the ISO 20022 messages used by T2S are described in detail within the User Detailed Functional Specification (UDFS).

[18] Following T2S rules, addressing of instruction legs with an original instructor BIC different to the instructor BIC of the cancel request, requires quotation of the T2S reference. This is also relevant for sese.030 messages.

Example of a cancellation

<SctiesTxCxlReq> <AcctOwnrTxId> <SctiesSttlmTxId> <TxId>REFABC</TxId> <SctiesMvmntTp>DELI</SctiesMvmntTp> <Pmt>APMT</Pmt> </SctiesSttlmTxId> </AcctOwnrTxId> <SfkpgAcct> <Id>DAKV7777000</Id> </SfkpgAcct> <TxDtls> … </TxDtls> </SctiesTxCxlReq>	sese.020 T2S actor reference

In response to the cancellation instruction, the instructing party receives a sese.027 message from T2S informing about the current status of the cancellation request.

2.2 ISO 20022 messages submitted by CBF to T2S

Full DCP mode customers are recommended to subscribe for the receipt of a copy of sese.023 messages for instructions which were either submitted via CBF in ICP mode or instructions generated and sent by CBF for the respective customer account.

In the copy of the sese.023, the full DCP mode customer can identify the CASCADE instruction type by the following details:

Instructing party BIC

- DCP eligible transaction types (OTC, cross-border etc.), which have been sent in ICP mode, CBF submits the instructions with the customer as instructing party;
- For transaction types which can only be instructed via CBF in ICP mode, CBF submits the instructions with instructing party DAKVDEFFXXX, with the following exceptions:
  - Instructions entered by CBF operations manually are submitted with DAKVDEFFOPS.
  - Non-CCP Stock Exchange trade instructions (CSC/NCSC-T) and transactions with an underlying non-CCP stock exchange trade are submitted with DAKVDEFFLIO.
  - CCP instructions are submitted with the applicable Eurex Clearing BIC:
    - EUXCDEFFXXX – 7525
    - EUXCDEFFBON – 7530
    - EUXCDEFFCCP – 8501
    - EUXCDEFFESL – 8625
  - Correction/reversal ("Storno") instructions are submitted by CBF only with DAKVDEFFSTO.

Trade identification

The field SctiesSttlmTxInstr/TradDtls/TradId shows the CBF reference. For OTC trades the reference starts with "KP" (relates to the CASCADE reference), followed by the four-digit CBF account master number and the two-digit CASCADE transaction type number (01, 02,etc.).
For non-CCP Stock exchange transactions (CSC/NCSC-T), the reference starts with"LP" (relates to the Stock exchange trade reference)followed by the Input date (format YYMMDD) and the Trade ID (seven-digit trade number, "Börsengeschäftsnummer", provided by the stock exchange).

Example: The transaction type is marked in bold.

- The TradId of the CASCADE transaction type:
  - OTC trades (here: AA03 (BSV/LSV transfer) will be <TradId>KP77770301570010</TradId>.
  - Non-CCP Stock Exchange Transctions will be <TradId→ LP20220221234569</TradId>.

For example, the copy of the sese.023 of BSV/LSV transfer (that is, CASCADE instruction type AA03) shows the instructing party DAKVDEFFXXX and the TradId KP7777**03**01570010.

The following example of a sese.023 message shows the CBF relevant optional fields but does not relate to any specific transaction type. In the example the relevant optional fields are highlighted.

Market claim, reverse claim and transformation

In the sese.023 copy of the settlement instruction for market claim, reverse claim and transformation, the MITI reference of the underlying settlement instruction is provided in the linkage sequence SctiesSttlmTxInstr/Lnkgs/Ref using reason code INFO.
Example:

<Lnkgs> <PrcgPos> <Cd>INFO</Cd> </PrcgPos> <Ref> <MktInfrstrctrTxId>1907150275885724</MktInfrstrctrTxId> </Ref> </Lnkgs>	Reason code INFO MITI of underlying instruction.

The underlying instruction reference is replicated in the linkage sequence of sese.024 and sese.025 messages for the respective market claim, reverse claim and transformation.

2.2.1 Example of sese.023

<SctiesSttlmTxInstr> <TxId>C46C101341</TxId> <SttlmTpAndAddtlParams> <SctiesMvmntTp>DELI</SctiesMvmntTp> <Pmt>AMPT</Pmt> <CmonId>**COMM**</CmonId> </SttlmTpAndAddtlParams> <NbCounts> <TtlNb> <CurInstrNb>**001**</CurInstrNb> <TtlOfLkdInstrs>**003**</TtlOfLkdInstrs> </TtlNb> </NbCounts> <Lnkgs> <Ref> <PoolId>**1234**</PoolId> </Ref> </Lnkgs> <Lnkgs> <PrcgPos> <Cd>**WITH**</Cd> </PrcgPos> <Ref> <AcctSvcrTxId> **LP77771001570010**</AcctSvcrTxId> </Ref> <RefOwnr> <AnyBIC>**BANKDEFFXXX**</AnyBIC> </RefOwnr> </Lnkgs> <TradDtls> <TradId>**KP77770100002110**</TradId> <PlcOfTrad> <MktTpAndId> <ID> < MktIdrCd >**ECAG**</MktIdrCd > </ID> <TP> <Cd>**EXCH**</Cd > </TP> </MktTpAndId> </PlcOfTrad> <PlcOfClr> <Id>DAKVDEFFXXX</Id> </PlcOfClr> <TradDt> <Dt> <Dt>2020-01-08</Dt> </Dt> </TradDt> <SttlmDt>	Should not start with blanks followed by /[19]. For non-CCP stock exchange instructions, field shows the SEME according to SETI-SEME concept[20] Common ID as optional matching field Mandatory for instruction linking via pool Instruction linking via Pool ID Sequence for instruction linking Instruction linking via processing position code (WITH/BEFO/AFTE/INFO) Trade reference Reference owner BIC CASCADE reference Sequence to provide place of trade, details see section2.1.1.1 Sequence to provide place of clearing (optional) defined as a BIC8 or BIC11 validated against SWIFT BIC Directory

[19] If a A2A reference field or U2A text field content starts or ends with blanks, T2S currently deletes these starting and ending blanks for further processing. Due to this, it is currently possible that the next/last character after/before the blank is a character that is not allowed as first/last character. This is not ISO 15022 compliant.

[20] For non-CCP Stock Exchange trades, the SEME will follow the SETI-SEME concept, based on the Trade ID provided by the German Exchange. For more details please refer to the CBF Connectivity Handbook, Part 1, section 2.5.3 .

<Dt> <Dt>2020-01-10</Dt> </Dt> </SttlmDt>	For non-CCP stock exchange instructions, this sequence contains the Market Price
<DealPric> <Tp> <ValTp>PARV</ValTp> </Tp> <Val> **<Amt Ccy="EUR">1.393</Amt>** </Val> </DealPric>	Field shows the Deal/Market Price provided by the Seller
<TradTxCond> <Cd>**XCPN**</Cd> </TradTxCond>	Cum/Ex indicator: CCPN (CumCoupon) and XCPN (ExCoupon) can be entered.
<MtchgSts> <Cd>**MACH**</Cd> </MtchgSts> </TradDtls>	Flag for "already matched" instructions
<FinInstrmId> <ISIN>DE0001030500</ISIN> </FinInstrmId>	
<QtyAndAcctDtls> <SttlmQty> <Qty> <FaceAmt>100</FaceAmt> </Qty> </SttlmQty>	For LMP securities, CBF supports a quantity of 10 + 6 digits.
<SfkpgAcct> <Id>DAKV7777000</Id> </SfkpgAcct>	
<CshAcct> <Id>**CDEURBANKDEFFXXX9000000123**</Id> </CshAcct> </QtyAndAcctDtls>	Dedicated Cash Account (DCA)[21]
<SttlmParams> <HldInd> <Ind>**TRUE**</Ind> <Rsn> <Cd> <Cd>**PTYH**</Cd> </Cd> </Rsn> </HldInd>	Sequence to set the hold indicator[22]
<Prty> <Nmrc>**0003**</Nmrc> </Prty>	Priority indicator
<SctiesTxTp> <Cd>**TRAD**</Cd> </SctiesTxTp>	Other codes[23] like COLI and SECL can be used.
<SttlmTxCond> <Cd>**ADEA**</Cd> </SttlmTxCond>	BATM flag
<SttlmTxCond> <Cd>**NOMC**</Cd> </SttlmTxCond>	Opt Out flag

[21] Please refer to the CBF Customer Handbook for more details.
[22] For a detailed description relating to the Priority, Hold/Release, Linkages, BATM flag, Partial settlements, Opt-out flag, please refer to the CBF Customer Handbook.
[23] Please refer to section 5.4, CBF role "Settlement ISO Codes" for a list of the ISO transaction codes that can be used by full DCP mode customers.

<PrtlSttlmInd>**PART**</PrtlSttlmInd> <ModCxlAllwd> <Ind>**FALSE**</Ind> </ModCxlAllwd> </SttlmParams> <DlvrgSttlmPties> <Dpstry> <Id> <AnyBIC>DAKVDEFFXXX</AnyBIC> </Id> </Dpstry> <Pty1> <Id> <AnyBIC>BANKDEFFXXX</AnyBIC> </Id> <SfkpgAcct> <Id>DAKV7777000</Id> </SfkpgAcct> </Pty1> <Pty2> <Id> <PrtryId> <Id>**12345689**</Id> <Issr>**DEBL**</Issr> </PrtryId> </Id> </Pty2> <Pty3> <Id> <AnyBIC>BANKDEFFXXX</AnyBIC> </Id> <SfkpgAcct> <Id>8888888000</Id> </SfkpgAcct> </Pty3> <Pty4> <Id> <NmAndAdr> <Nm>nameandadress</Nm> </NmAndAdr> </Id> </Pty4> </DlvrgSttlmPties> <RcvgSttlmPties> <Dpstry> <Id> <AnyBIC>DAKVDEFFXXX</AnyBIC> </Id> </Dpstry> <Pty1> <Id> <AnyBIC>BANKDEFFXXX</AnyBIC> </Id> <SfkpgAcct> <Id>DAKV8888000</Id> </SfkpgAcct> <AddtlInf/> <DclrtnDtls>/STBL J/STBD 20140703</DclrtnDtls> </AddtlInf>	Partial settlement indicator[24] If this flag is set to FALSE, only the instructing party of the sese.023 can modify or cancel the instruction. Usage of "Bankleitzahl" with Data Source Scheme (DSS) "DEBL".

[24] If no partial settlement indicator is provided in the sese.023, T2S will consider "PART" (Partial settlement allowed) for the instruction.

</Pty1> </RcvgSttlmPties> <SttlmAmt> <Amt Ccy="EUR">100</Amt> <CdtDbtInd>CRDT</CdtDbtInd> </SttlmAmt> </SctiesSttlmTxInstr>	Sequence to provide the declaration details; Staff blocking with blocking date[25]

In responIn response to the settlement instruction, the instructing party receives a separate sese.024 message after each of the following processes, that is, validation and matching have been performed successfully.

After settlement, a sese.025 settlement confirmation is sent in addition.

[25] Please see section 2.1.1.1.

2.2.1.1 Example of SESE.023 for PFoD

<SctiesSttlmTxInstr> <TxId>22041622041617</TxId> <SttlmTpAndAddtlParams> <SctiesMvmntTp>DELI</SctiesMvmntTp> <Pmt>APMT</Pmt> </SttlmTpAndAddtlParams> <TradDtls> <TradDt> <Dt> <Dt>2016-04-22</Dt> </Dt> </TradDt> <SttlmDt> <Dt> <Dt>2016-04-22</Dt> </Dt> </SttlmDt> <MtchgSts> <Cd>MACH</Cd> </MtchgSts> </TradDtls> <FinInstrmId> <ISIN>DE000BDPAYM8</ISIN> </FinInstrmId> <QtyAndAcctDtls> <SttlmQty> <Qty> <FaceAmt>0</FaceAmt> </Qty> </SttlmQty> <SfkpgAcct> <Id>DAKV1234000</Id> </SfkpgAcct> <CshAcct> <Prtry>**CDEEURTESTDEFFXXX12342220000000000** </Prtry> </CshAcct> </QtyAndAcctDtls> <SttlmParams> <HldInd> <Ind>FALSE</Ind> </HldInd> <Prty> <Nmrc>0003</Nmrc> </Prty> <SctiesTxTp> <Cd>CORP</Cd> </SctiesTxTp> … </SttlmParams> <DlvrgSttlmPties> … </DlvrgSttlmPties> <RcvgSttlmPties> … </RcvgSttlmPties> <SttlmAmt> <Amt Ccy="EUR">**350000**</Amt> <CdtDbtInd>CRDT</CdtDbtInd> </SttlmAmt> </SctiesSttlmTxInstr>	sese.023 DELI is mandatory. APMT is mandatory. Quantity “0” (For LMP securities, CBF supports a quantity of 10 + 6 digits) Settlement amount

2.2.2 Example of a SEMT.013 (Intra Position Movement Instruction)

The registered shares positions are earmarked (RSHB or RSKE) in T2S. In order to move securities from the unregistered (AWAS) to the registered position type, a semt.013 is instructed.

Only CBF can instruct settlement restriction semt.013 messages. Full DCP mode customers may receive a copy of the semt.013 message from T2S. T2S will reject the semt.013 instruction if instructed by a full DCP mode customer based on pre-defined rules set by CBF.

External account transfers (Externer Depotübertrag AA01 'P') of registered positions from one CBF account to another without change of beneficial ownership are forwarded to T2S for settlement. When delivering securities via external account transfer the position credited to the recipient's account bears the position type AWAS in T2S. In order to ensure that the position is finally credited to position type RSHB, CBF automatically generates a settlement restriction towards T2S to move the position from AWAS to RSHB on the receiving side. The settlement restriction is linked to the account transfer via pool reference.

<IntraPosMvmntInstr> <TxId>C44P093344B95AE</TxId> <SfkpgAcct> <Id>DAKV1234000</Id> </SfkpgAcct> <FinInstrmId> <ISIN>DE000A1PHBB5</ISIN> </FinInstrmId> <IntraPosDtls> <Prty> <Nmrc>0003</Nmrc> </Prty> <SttlmQty> <Unit>100000</Unit> </SttlmQty> <SttlmDt> <Dt>2015-01-02</Dt> </SttlmDt> <BalFr> <Tp> <Cd>**AWAS**</Cd> </Tp> </BalFr> <BalTo> <Tp> <Prtry> <Id>**RSHB**</Id> <Issr>**T2S**</Issr> <SchmeNm>**RT**</SchmeNm> </Prtry> </Tp> </BalTo> </IntraPosDtls> </IntraPosMvmntInstr>	semt.013 For LMP securities, CBF supports a quantity of 10 + 6 digits. Balance From type Balance To type

In response to a settlement restriction, the instructing party receives a semt.014 from T2S after the validation is carried out and a semt.015 when settlement is successful. Full DCP mode customers may subscribe to semt.014 and semt.015 messages.

3 Setup for DCP mode customers

In order to receive messages from or send messages to T2S in full DCP mode or access T2S in GUI DCP mode, the respective setup of the CBF customer as a T2S Party must be configured in T2S.

CBF sets up the technical configuration in T2S for DCP mode customers, including:

- Party Technical Addresses (PTAs) – only for full DCPs;
- Technical Addresses Network Services Links – only for full DCPs;
- Setup of DCP Admin Users;
- Granting of roles and privileges to the DCP;
- Data scope extensions and reductions for CBF specific processes.

DCPs have to perform the necessary setup tasks in the T2S GUI:

- Grant the necessary additional roles and privileges to the DCP Admin Users;
- Create new T2S Users;
- Grant roles and privileges to T2S Users;
- Set up default and conditional routing rules for the DCP – only for full DCPs;
- Subscribe for T2S generated reports and messages as per the DCP's business needs – messages only for full DCPs.

CBF customers need to pass the ECB Certification to get access to T2S in DCP mode. Details on the certification process and the relevant test cases are available on the ECB website.

Besides the general setup described above, customers might want to establish a Power of Attorney (PoA) setup for the DCP channel, that is, an account owner (PoA Giver) wants to grant another actor (PoA Taker) the right to operate the accounts of the account owner on his behalf in DCP mode.

Generally, a PoA always requires a legal agreement between the PoA Giver and the PoA Taker. Additionally, CBF must to be informed about PoA setups between CBF account masters even if CBF does not have to be actively involved in the implementation of the PoA.

It needs to be differentiated between ICP business PoA setups and technical DCP PoA setups:

- ICP business PoA setups are technically only valid for the ICP straight-through-processing channels;
- DCP PoA setups technically enable one DCP party to operate accounts of another T2S Party in DCP mode. These setups are independent from existing ICP business PoA setups, but an ICP business PoA is a prerequisite.

CBF supports two types of DCP PoA setups:

- Account Operator Model: For a full DCP mode customer that wants to enable another full DCP mode CBF customer to operate its accounts in DCP mode – see section 3.3.1;
- CCP/Trading Platform Model: For a Central Counterparty (CCP) or Trading Platform that is a full DCP mode CBF customer and wants to instruct in DCP mode on behalf of ICP or DCP mode CBF customers – see section 3.3.2.

3.1 Setup tasks performed by CBF

3.1.1 Party Technical Addresses (PTAs)

For each T2S party (CBF account master) operated in full DCP mode, at least one Party Technical Address (PTA) must be configured. Full DCP mode customers must provide the PTA(s) to CBF via the T2S DCP Setup form and CBF configures them as part of the party setup. Up to nine different PTAs with a maximum length of 75 digits each can be provided.

The PTAs maintained in the party setup are used for two purposes:

- To validate that the Technical Sender is allowed to send inbound communication for the Business Sending Party; and
- To define the PTAs that can be configured for outbound communication via Technical Address Network Service Links and Routing Configurations.

In general, the same PTA(s) can be used for inbound and outbound communication.

3.1.2 Technical Address Network Services Links

Each Party Technical Address (PTA) connected to the T2S party (CBF account master) of the DCP that shall be used for inbound and outbound communication must be linked to one or several Network Services (channels). In T2S up to four different channels can be selected, all of them offered by both Network Service Providers SWIFT and SIA-Colt:

- Realtime messages;
- Realtime files;
- Store and forward messages;
- Store and forward files.

Full DCP mode customers must provide the Technical Address Network Services Link(s) to CBF via the T2S DCP Setup form and CBF configures them as part of the party setup.

3.1.2.1 Receipt of outbound messages in bundled files

T2S offers a bundling of outbound messages for predefined message types during the whole business day and can transmit the settlement results in files if requested by the T2S Actor. There are two exceptions for the provisioning of the files:

- During the maintenance window the service is not executed.
- During the period close to the "DvP cut-off", the file bundling is deactivated, and outbound messages are sent in real time.

The message bundling service is set up with the following conditions:

- Once 1,000 messages are collected, T2S will immediately transmit the file to the technical receiver;

  or

- If the predefined number of messages is not reached within two minutes (elapsed time) and at least one message is detected, the file will be transmitted.

This message bundling service has no impact on the CBF connectivity flow. In respect to the "YCON" flag, customers acting in DCP mode must consider that CBF continues to provide the related processing results in ISO Standard 15022 in real-time mode.

3.1.3 Setup of DCP Admin Users

For each T2S party (CBF account master) operated in full DCP or GUI DCP mode, CBF sets up at least two Admin Users and link them to the user-specific Certificate DN. The necessary information must be provided via the T2S DCP Setup form.

The Login Name and System User Reference of Admin Users have the following format:

CBFG-xxxx-Loginyyy

In the Login Name, xxxx represents of the respective four-digit CBF account master number and yyy represents a three-digit number between 000 and 999.

Note: Access rights administration can only be performed in 4-Eyes mode, that is, every action one Admin User performs in the T2S GUI needs to be approved by a second Admin User.

3.1.4 Granting of roles and privileges to the DCP

CBF grants each party (CBF account master) to be operated in DCP mode a standard set of privileges, depending on the chosen access mode (full DCP or GUI DCP). The privileges are granted as individual privileges and on top of that as part of different roles which are defined by CBF.

The roles and privileges cover the following areas:

- Access rights administration;
- Network configuration – only for full DCPs;
- Message subscription – only for full DCPs;
- Report configuration;
- Message management – only for full DCPs;
- Dynamic data queries (including 4-Eyes Configuration);
- Static data queries;
- New settlement instructions – only for full DCPs;
- Settlement instruction maintenance;
- Settlement ISO codes usage – only for full DCPs.

Additionally, CBF grants the Admin Users with basic access rights administration privileges[26], which allow them to grant/revoke roles and privileges from the above-mentioned areas to/from T2S Users and themselves.

For a detailed list of roles and privileges, please refer to section 5.4 in the Appendix.

3.1.5 Data scope reductions and extensions for CBF specific processes

Some sub-accounts opened for dedicated services available in CBF may not be instructed in DCP mode, but only in ICP mode or by CBF systems.

This limitation applies to sub-accounts related to the following CBF services and CBF/T2S processes[27]:

- TEFRA D segregation (670-671);
- Xemac® collateral segregation/blocking (550-551);
- Segregation of debt instruments that have partially matured (005, 051, 230, 991);
- Segregation of blocked positions due to corporate action events (for example, 080);
- Pending transactions in relation to voluntary corporate action events (850);

[26] These include the privileges to approve actions performed by the other Admin User in 4-Eyes mode.
[27] This list is not necessarily exhaustive and might be extended with the introduction of new CBF services and/or processing changes. This limitation de facto also applies to sub-accounts which are not represented as a SAC on T2S.

- Automated securities lending (510);
- Administration of collateral as part of Commitment Control (560);
- (Partial) exemption from French withholding tax (for example, 822, 824, 828-835);
- T2S Auto-Collateralisation pledge procedure (Collateral Receiving Account of the customer).

CBF therefore reduces the data scope of the following settlement privileges by such sub-accounts, so that only DCP-enabled sub-accounts can be instructed in DCP mode:

Privilege	Privilege short name
Send New Settlement Instruction/Settlement Restriction on Securities either on a Securities Account or on Behalf of an external CSD	SIG_SNDSI
Amend Process Indicator of a Settlement Instruction/Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S or on Behalf of an external CSD	SIG_AMNPI
Cancel Settlement Instruction / Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S, on Behalf on external CSD or on Behalf of an Administering Party	SIG_CANCI
Party Hold Settlement Instruction on a Securities Account or on Behalf of an external CSD	SIG_PTYHI
Release Party Hold Auto-collateralisation Instruction on a Securities Account or on Behalf of an external CSD	SIG_RPTYA
Release Party Hold Settlement Instruction on a Securities Account or on Behalf of an external CSD	SIG_RPTYH

Additionally, in order to allow customers to cancel foreign currency instructions on CoSD hold[28] in DCP mode, CBF extends the data scope of the following privileges by the related CBF party DAKVDEFFCOS:

Privilege	Privilege short name
Cancel Settlement Instruction / Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S, on Behalf on external CSD or on Behalf of an Administering Party	SIG_CANCI
Send new instruction using a specific Instructing Party	SIG_SIUIP
Party List Query	PDQ_PartyListQuery

3.2 Setup tasks performed by the DCP

3.2.1 Granting of roles and privileges to DCP Admin Users

In order to create new T2S Users and grant roles and privileges to them, the Admin Users must first grant the following roles to themselves (for the list of privileges contained in these roles, see section 5.4 in the Appendix):

- Access Rights Administrator – Advanced;
- Access Rights Administrator – Queries.

Additionally, the Admin Users should grant themselves the privileges "Data Changes of a Business Object Details Query" and "Data Changes of a Business Object List Query". Although these privileges have already been granted to the initial Admin Users as part of the role "Administrator 4-Eyes Configuration", CBF recommends that the Admin Users additionally grant them to themselves as single privileges. Otherwise the initial Admin Users might temporarily not be able to apply 4-Eyes approvals

[28] For details on the settlement of foreign currency instructions, please refer to the CBF Customer Handbook. Please note that the data scope extension does not cover cross-border instructions with Out-CSDs on CoSD hold, that is, such instructions can only be cancelled in ICP mode.

during CBF setup activities for new DCP parties. For new Admin Users which are requested from CBF for an existing DCP after the initial setup, these privileges must always be granted by the existing Admin Users.

It is generally not recommended to grant any other privileges to the Admin Users, but only to the T2S Users created for the respective tasks.

3.2.2 Creation of new T2S Users

For each T2S User a full name, a unique Login Name and a unique System User Reference[29] needs to be provided. Additionally, each T2S User needs to be linked to a Certificate DN[30].

CBF recommends creating at least the following types of separate T2S Users:

- Configuration Users (for example, for the setup tasks described in section 3.2.4, 3.2.5 and 3.2.6);
- Settlement Users;
- A2A User (for communication in ISO 20022) – only for full DCPs.

In T2S a user can technically be linked to any existing Certificate DN. If a T2S User is accidentally linked to a Certificate DN not known to the respective party, unauthorised physical users might log in as a T2S User of the DCP. Admin Users are therefore requested to take special care when linking a T2S User to a Certificate DN.

3.2.3 Granting of roles and privileges to Users

Each User has to be equipped with a set of privileges. The privileges can be granted on an individual basis or as part of roles defined by CBF. It is up to the Admin Users to define which User[31] shall be granted with which privileges/roles, however, they should fit to the type of user (see section 3.2.2).

The assignment of rights and / or the extension of roles is in the responsibility of the DCP administrators. If necessary, DCP Administrators need to enable the privileges for their users according to their roles.

To align with ESMIG[32], DCP Administrators can grant privileges to their users as in their own profile CBF enables the CRDM access by granting the "CRDM Access role". The respective ESMIG privileges, BDM_Access and T2S_Access, are granted within "Settlement Queries role" allowing immediate access to BDM and T2S GUI for all users owning this role.

Only privileges and roles granted to the DCP Party can be granted to Users, that is, Admin Users cannot grant privileges from the role "Access Rights Administrator – Basic" to Users. DCPs requiring additional Admin Users can request them to be set up by CBF via the T2S DCP Setup form.

[29] CBF recommends defining a common naming standard (at least for all users of the same party) and using an identical Login Name und System User Reference for each T2S User.
[30] If the Certificate DN to be used for linking is not yet available in T2S, the Admin User has to create it first.
[31] A DCP mode customer can only grant privileges to its users of its own party, but not to (users of) other parties.
[32] ESMIG= Eurosystem Single Market Infrastructure Gateway; the single interface for access to the Eurosystem market infrastructures.

All privileges except for some privileges from the role "Access Rights Administrator – Advanced" can be granted to Users either in 2-Eyes mode or in 4-Eyes mode[33]. Privileges which were granted to the DCP party in 4-Eyes mode can only be granted to T2S Users in 4-Eyes mode. In order for a User to approve an action performed in the T2S GUI by another User, the same privilege necessary to initiate the data change and additionally the following privileges (as part of the role "4-Eyes Configuration") are required:

- Data Changes – Business Object List Query;
- Data Changes – Business Object Detail Query.

Additionally, for all object privileges (mainly settlement and query privileges) the data scope can be further reduced for each User. For example, if the Admin User wants to enable a Settlement User to only instruct a subset of all DCP-enabled sub-accounts (SACs), the data scope of the related settlement object privilege(s) can be reduced on SAC level. For users that shall be able to cancel foreign currency instructions on CoSD hold, the data scope of the privileges SIG_CANCI, SIG_SIUIP and PDQ_PartyListQuery must be extended by Party DAKVDEFFCOS.

CBF defines these data scope extensions at the T2S party level. This means that the Admin Users of the Operator Party need to manually pass these extensions to all T2S Users (U2A and A2A) that are able to operate the Operated Parties.

3.2.4 Routing configuration

After the Party Technical Addresses (PTAs) and the Technical Address Network Services Links have been set up by CBF, a T2S User of the full DCP mode customer has to define the routing configuration in order to receive subscribed messages and reports from T2S via ISO 20022.

If only one Technical Address Network Services Link was defined, a default routing configuration is sufficient in most cases. As soon as several Technical Address Network Services Links are used, conditional routings can be defined additionally. This enables full DCP mode customers to configure for each message and report via which Technical Address Network Services Link it shall be received.

[33] In this case, 2-Eyes or 4-Eyes mode refers to the privilege as such (4-Eyes flag can be "true" or "false"), not to the act of granting it (this always has to be done in four-eyes mode). For query privileges, T2S does not support a 4-Eyes mode, even though the flag can be set to "true".

3.2.5 Message subscription

Full DCP mode customers are responsible for their message subscription relating to their settlement parties and SACs in T2S and can define which messages are relevant for their business needs. The subscription is done via a message subscription rule set.

Within the message subscription rule set, full DCP mode customers can specify the positive and negative rules for the receipt of messages (referring to securities settlement related messages only) based on:

- The message types (sese.xxx, semt.xxx etc.) they want to receive;
- In which case (that is, status) they want to receive the respective message type;
- Further conditions (for example, Instruction Type, SAC, ISIN, DCA, ISO Transaction Code, Currency, Business Sending Party, Instructing Party, System User Reference)[34].

The following message types cannot be requested via the message subscription configuration:

- Reports (handled via report configuration);
- Activity advices for static data objects (sent to CSDs only);
- Query results (will always be sent to the sender of the query only);
- Actions taken on erroneous messages (will always be sent to the sender of the request).

If CBF and a full DCP mode customer have subscribed for the receipt of the same message type, T2S will duplicate each message and send it to CBF and the full DCP mode customer in parallel.

CBF recommends that customers subscribe to the following messages (positive rules without additional parameters):

Area	Message
Business Day	camt.019 – ReturnBusinessDayInformation
Settlement Instructions	sese.023 – SecuritiesSettlement TransactionInstruction
	sese.024 – SecuritiesSettlement TransactionStatusAdvice
	sese.025 – SecuritiesSettlement TransactionConfirmation
	sese.032 – SecuritiesSettlement TransactionGenerationNotification
Allegements	sese.028 – SecuritiesSettlement TransactionAllegementNotification
	sese.029 – SecuritiesSettlement AllegementRemovalAdvice
	semt.020 – Securities MessageCancellationAdvice
Intra Position Movements	semt.013 – IntraPositionMovement
	semt.014 – IntraPosition MovementStatusAdvice
	semt.015 – IntraPosition MovementConfirmation
Cancellation / Modification	sese.027 – SecuritiesTransaction CancellationRequestStatusAdvice
	sese.031 – SecuritiesSettlement ConditionModificationStatusAdvice

[34] Depending on the parameter, T2S either checks the existence of the parameter value directly in the message content or indirectly by retrieving the parameter value from the static data based on the message content. For more details, please refer to the User Detailed Functional Specification (UDFS).

Additionally, CBF recommends setting up the following negative rules to avoid certain copies:

- Copies of sese.023 / semt.023 messages sent by the own party: Negative subscription rule for all sese.023 and semt.013 copies where System User Reference = DCP's own A2A user;
- Copies of the second leg of already matched sese.023 messages: Negative subscription rule for all already matched sese.023 copies which are receipt instructions (RFOP, RVP, RWP, PFoD DBIT).

Throughout the T2S settlement day, certain events may trigger a change in the system status, which defines the processing period T2S is currently in. The camt.019 reports these changes and offers the DCPs the possibility to link their reporting to the current system status. Regarding the T2S Maintenance Window between 03:00 and 05:00 which is optional on bank working days, but mandatory on Saturdays, the following status are reported:

- NOMW No Maintenance Window;
- MTNW Maintenance Window; and
- RTMS Start of Real-Time Settlement for daily settlement and end of the maintenance window.

3.2.6 Report configuration

T2S periodically informs T2S Actors via a set of predefined reports about the status of settlement instructions and balances. Such a report can be received by one or several T2S Actors (recipients of a report have to be duly authorised). T2S triggers the generation of a report based on a business event, for example, end of day, or at a predefined time. Reports can be received as ISO 20022 messages (by full DCP mode customers) and additionally be displayed in the T2S GUI (by full DCP and GUI DCP mode customers).

T2S distinguishes between two different report classes which are all based on the latest available data but differ with respect to the time they are delivered and the content:

- Complete reports

  provide the current values of all selected items at the time of the creation of the report;

- Delta reports

  provide only information on the selected items and for which the values changed since the generation of the previous report. The previous report can likewise be a complete report or a delta report. Therefore, the creation timestamp of the previous report is considered as the starting point of the reporting period. If no previous report was delivered on the current business day, the Start of Day (SoD) is considered as the starting point of the reporting period.

Within the report subscription, DCP mode customers can:

- Define which reports they want to receive;
- Specify if they want to receive the report as a complete report (end of day) or as a delta report;
- Decide if they wish to receive a report directly after its creation or if they want to query it ad-hoc. This information has to be stored in the static data configuration of the report which means the subscription of a report is independent from the Message Subscription.

T2S provides the following settlement reports relating to securities transactions and positions as complete and delta reports:

Message	Report type
semt.002	Statement of Holdings
semt.016	Statement of settled Settlement Restriction
semt.017	Statement of settled Settlement Instruction
semt.018	Statement of Pending Settlement Instruction
semt.019	Statement of Settlement Allegements
semt.031	Statement of pending Modification Instruction for Settlement Instruction and Settlement Restriction
semt.031	Statement of executed Modification Instruction for Settlement Instruction and Settlement Restriction
semt.033	Statement of pending Cancellation Instruction for Settlement Instruction and Settlement Restriction
semt.033	Statement of executed Cancellation Instruction for Settlement Instruction and Settlement Restriction
semt.034	Statement of Pending Settlement Restriction

For the report configuration recommended by CBF, see section 5.5 in the Appendix.

The privileges granted by CBF to the DCP mode customer do not include the cash and DCA related reports. These reports can be requested by NCBs at Payment Bank level.

If DCP mode customers intend to use the CBF cash forecast, (for example to trigger the automated liquidity injection service of CBF) CBF requires to receive a copy of camt.052 message (T2S Cash Forecast). For this purpose, CBF customers need to authorise the respective NCB to deliver such a report to CBF. For more information on the cash forecast and liquidity transfers, please refer to the CBF Customer Handbook or the respective NCB.

The Security Activity Advice (reda.009) can theoretically be configured by DCP mode customers but will not contain any information as the related static data is maintained by the CSD.

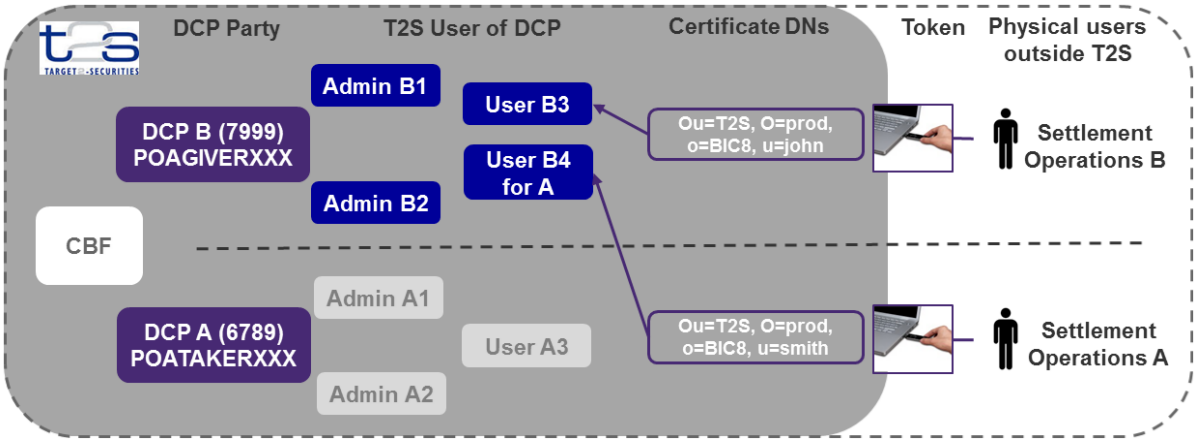
The billing report cannot be requested by DCP mode customers, but only by CSDs. DCP mode customers receive billing reports from CBF in ICP mode.

3.3 DCP PoA setups on T2S

3.3.1 Account Operator Model

3.3.1.1 Basic setup by DCP

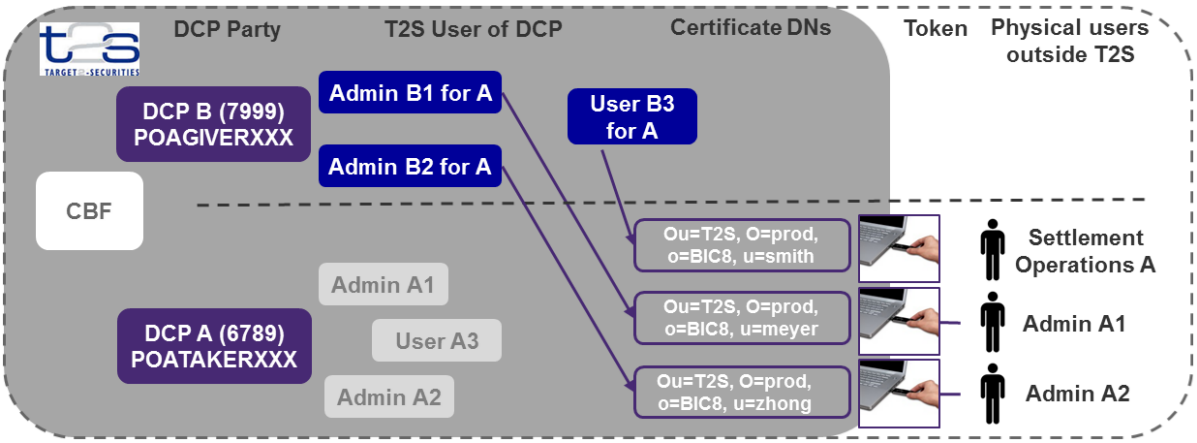
If a T2S party (CBF account master) operated in full DCP mode (Operated Party – PoA Giver) wants to enable another T2S party (CBF account master) operated in full DCP mode (Operator Party – PoA Taker)[35] to act as Account Operator for its accounts in DCP mode, the following basic setup is recommended:



The Operated Party "B" creates a dedicated T2S User[36] "B4 for A" and links it to a Certificate DN of the PoA Taker "A" (see section 3.2.2). The Operated Party can then grant the respective privileges to this T2S User and may reduce the data scope where necessary (see section 3.2.3). This approach allows the Operated Party to create T2S Users with different profiles for the Operator Party without the involvement of CBF, for instance:

- A full account administration profile with all settlement privileges;
- A settlement only profile which enable the Operator Party to instruct and cancel on accounts of the Operated Party, but not to query instructions and positions;
- A read-only profile which allows the Operator Party to query certain information on accounts of the Operated Party, but not to submit or amend settlement instructions.

Alternatively the Admin Users of the Operated Party can also be linked to Certificate DNs of the Operator Party if the respective details are provided to CBF via the T2S DCP Setup form:



[35] The PoA Taker can be another T2S party (CBF account master) of the same legal entity or a different legal entity.
[36] For audit trail purposes, CBF suggests to incorporate the name of the PoA Taker in the Login Name and System User Reference of the specific T2S User, for example "PoATakerOnBehalfOfPoAGiver".

This way all DCP configurations related to the Operated Party can be done by the Operator Party. However, in this case the Operated Party can neither instruct in DCP mode nor explicitly control the scope of the DCP PoA the Operated Party has given to the Operator Party.

In both cases, if the Operator Party should also receive messages and reports for the accounts of the Operated Party, one or multiple of the following setup tasks must be performed:

- For messages and reports which either the PoA Giver or the PoA Taker should receive, CBF is not directly involved. It is suggested that the Party Technical Address (PTA) of the PoA Taker is also stored in the static data of the PoA Giver (see section 3.1.1 and 3.1.2). The PoA Giver is therefore requested to provide the necessary information to CBF via the T2S DCP Setup form. In a next step a Configuration User of the PoA Giver (of the PoA Taker if the alternative solution) can set up the respective routing configuration, message subscription and report configuration (see section 3.2.4, 3.2.5 and 3.2.6).
- For messages that both the PoA Giver and the PoA Taker should receive, CBF can – as part of the extended setup described in section 3.3.1.2 – define the PoA Taker as "Third party" for the PoA Giver, enabling the PoA Taker to receive copies for messages where the PoA Giver is the Interested Party. In a next step Configuration Users of the PoA Giver and PoA Taker (or a Configuration User of the PoA Taker if the alternative solution) can set up the respecting routing configuration and message subscription separately for each T2S party (see section 3.2.4 and 3.2.5).
- For reports which both the PoA Giver and the PoA Taker should receive, CBF must support the related configuration by assigning each report separately to a given party. Customer requiring such a setup are asked to contact their Relationship Officer.

If the PoA Taker sends messages in A2A mode via ISO 20022, the digital signature and the "Party From" section of the Business Application Header (BAH) must be filled as following:

<Fr> <FIId> <FinInstnId> <BICFI>**OPERATEDXXX**</BICFI> <ClrSysMmbId> <ClrSysId> <Prty>T2S</Prty> </ClrSysId> <MmbId>**AOnBehalfOfB**</MmbId> </ClrSysMmbId> <Othr> <Id>DAKVDEFFXXX</Id> </Othr> </FinInstnId> </FIId> </Fr> <To> <FIId> <FinInstnId> <BICFI>TRGTXE2SXXX</BICFI> <Othr> <Id>DAKVDEFFXXX</Id> </Othr> </FinInstnId> </FIId> </To> <BizMsgIdr>ABC12345</BizMsgIdr> <MsgDefIdr>sese.023.001.03</MsgDefIdr> <CreDt>2017-02-20T12:00:00Z</ CreDt> <Sgntr>**OperatorA2AUserSignature**</Sgntr>	Instructing Party (Operated Party BIC) Business Sending User (System User Reference of T2S User created for Operator Party by Operated Party) Digital Signature of Certificate DN linked to A2A User of Operator

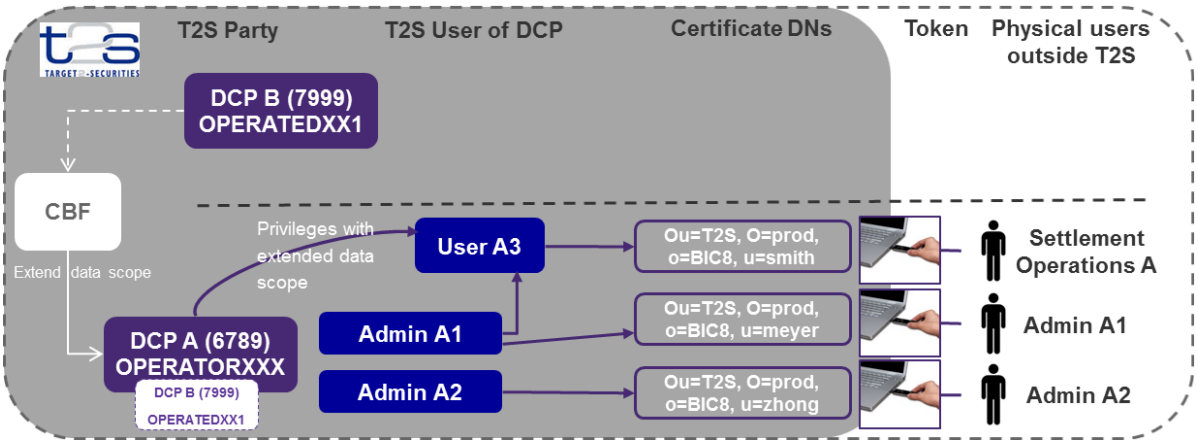
If the PoA Giver wants to see whether an instruction was initiated by the PoA Giver or by the PoA Taker, the instruction can be queried in the T2S GUI where the instructing user will be specified together with the other instruction details. Alternatively, the instructing user can also be found in the copy of sese.023.

Note: The PoA Giver is requested to complete the Power of Attorney Form[37] to inform CBF about the existence of such a setup. The legal framework is completely in the responsibility of the two DCPs. CBF therefore recommends a proper contractual agreement between the two parties to define the options and responsibilities which are connected with this kind of setup.

3.3.1.2 Extended setup by CBF

In addition to the basic setup that can mainly be conducted by the DCP itself, CBF offers an extended setup to enable the following possibilities:

- The Operator Party can send settlement instructions on behalf of the Operated Party using the same Business Application Header as for its own instructions.
- The Operator Party can instruct 'Already matched' between all T2S Parties covered by such a DCP PoA setup (between the Operator Party and an Operated Party, as well as between two Operated Parties).
  If a T2S Party of an "already matched" instruction has its T2S SAC with another T2S In-CSD than CBF, then additional privileges need to be requested to CBF and the linked T2S In-CSD.
- The Operator Party can receive copies of messages where the Operated Party is Interested Party.



To request this setup, the form T2S Data Scope Extension for users of the DCP Account Operator Model has to be completed. On this form a full DCP mode customer can define one of its own full DCP Parties as Operator Party and one or several full DCP Parties belonging to himself or another CBF customer as Operated Parties. It has to be signed by both the customer to whom the Operated Parties belong and by the customer to whom the Operator Party belongs. Additionally, the Power of Attorney Form[37] must be filled for the respective PoA relationship.

[37] If the Power of Attorney Form for the respective PoA relationship was already provided in the past and is still valid, it does not have to be provided again. If both DCP Parties belong to the same account owner, no Power of Attorney Form is required.

CBF then extends the data scope of the following settlement privileges of the Operator Party by all DCP-enabled accounts of the Operated Parties:

Privilege	Privilege short name
Send New Settlement Instruction/Settlement Restriction on Securities either on a Securities Account or on Behalf of an external CSD	SIG_SNDSI
Amend Process Indicator of a Settlement Instruction/Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S or on Behalf of an external CSD	SIG_AMNPI
Cancel Settlement Instruction / Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S, on Behalf on external CSD or on Behalf of an Administering Party	SIG_CANCI
Party Hold Settlement Instruction on a Securities Account or on Behalf of an external CSD	SIG_PTYHI
Release Party Hold Auto-collateralisation Instruction on a Securities Account or on Behalf of an external CSD	SIG_RPTYA
Release Party Hold Settlement Instruction on a Securities Account or on Behalf of an external CSD	SIG_RPTYH

Additionally, the object privilege "Third party receipt" is granted to the Operator Party and extended on party level by all Operated Parties. This setup allows the Operator Party to send, cancel, modify, hold and release settlement instructions on all DCP-enabled accounts of the Operator Party and all Operated Parties with the same Business Application Header (Instructing Party, Business Sending User and the Digital Signature of Certificate DN always belong to the Operator Party – see below) in A2A mode and with the same T2S User in U2A mode. It also enables the Operator Party to instruct 'Already matched' between all T2S Parties covered by the setup (between the Operator Party and an Operated Party, as well as between two Operated Parties).

Cross-border "already matched" instructions require additional privileges to be set up by the T2S In-CSDs involved. However, instructions in ICP mode do not need additional privileges. They can be set up with instruction types AA01 or AA02. Once they are received, in the settlement instruction to be sent to T2S (sese.023), CBF fills the field "member ID" (CBFXXXXALRMCBUSER) with the CBF account master indicating that the privilege has been established. In line with today's procedures, customers acting in DCP mode and receiving a copy of the sese.023 sent by CBF, need to consider that this copy is always provided by T2S, even if the instruction was created in ICP mode via CBF.

Furthermore, as the Operator Party is defined as a "Third party" for the Operated Parties, a message subscription set up by the Operator Party automatically includes such messages where the Operated Party is Interested Party.

CBF defines these data scope extensions on T2S party level. This means that the Admin Users of the Operator Party need to manually pass these extensions to all T2S Users (U2A and A2A) which shall be able to operate the Operated Parties.

Please note that activities related to privileges not mentioned above (for example, query and report configurations) must be done via T2S Users created as part of the basic setup (see section 3.3.1)

If the Operator Party sends messages in A2A mode via ISO 20022, the digital signature and the "Party From" section of the Business Application Header (BAH) must be filled as following:

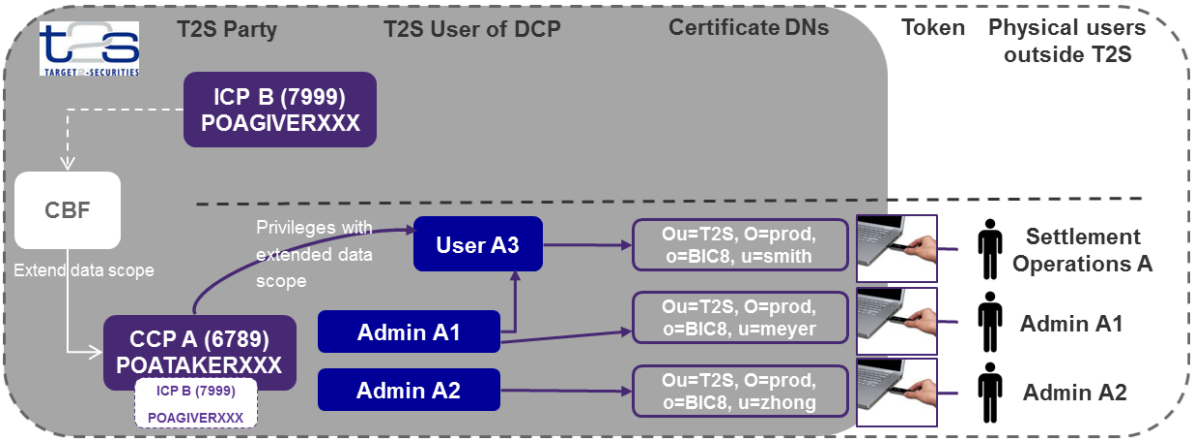
<Fr> <FIId> <FinInstnId> <BICFI>**OPERATORXXX**</BICFI> <ClrSysMmbId> <ClrSysId> <Prty>T2S</Prty> </ClrSysId> <MmbId>**OperatorA2AUser**</MmbId> </ClrSysMmbId> <Othr> <Id>DAKVDEFFXXX</Id> </Othr> </FinInstnId> </FIId> </Fr> <To> <FIId> <FinInstnId> <BICFI>TRGTXE2SXXX</BICFI> <Othr> <Id>DAKVDEFFXXX</Id> </Othr> </FinInstnId> </FIId> </To> <BizMsgIdr>ABC12345</BizMsgIdr> <MsgDefIdr>sese.023.001.03</MsgDefIdr> <CreDt>2017-02-20T12:00:00Z</ CreDt> <Sgntr>**OperatorA2AUserSignature**</Sgntr>	Instructing Party (Operator Party BIC) Business Sending User (System User Reference of A2A User of Operator Party) Digital Signature of Certificate DN linked to A2A User of Operator Party

If an Operated Party wants to see whether an instruction was initiated by the Operator Party or by itself, the instruction can be queried in the T2S GUI where the instructing user will be specified together with the other instruction details. Alternatively, the instructing user can also be found in the copy of the sese.023.

Note: The legal framework is completely in the responsibility of the two DCPs. CBF therefore recommends a proper contractual agreement between the two parties to define the options and responsibilities which are connected with this kind of setup.

3.3.2 CCP/Trading Platform Model

If a Central Counterparty (CCP) or Trading Platform that is a full DCP mode CBF customer wants to instruct in DCP mode on behalf of ICP or DCP mode CBF customers, the following setup can be requested at CBF:



Each customer "B" for which the CCP or Trading Platform wants to instruct in DCP mode must first complete the Power of Attorney Form[38]. Additionally, CBF provides a form to the CCP or Trading Platform to request the specific PoA setup per CBF customer. In this form, it can also be defined for which account(s) (DCP-enabled main or sub-accounts) the PoA setup shall apply. Once a request is approved, CBF extends the data scope of the following settlement privileges of the CCP or Trading Platform "A" by the defined account(s) of the respective customer "B":

Privilege	Privilege short name
Send New Settlement Instruction/Settlement Restriction on Securities either on a Securities Account or on Behalf of an external CSD	SIG_SNDSI
Amend Process Indicator of a Settlement Instruction/Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S or on Behalf of an external CSD	SIG_AMNPI
Cancel Settlement Instruction / Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S, on Behalf on external CSD or on Behalf of an Administering Party	SIG_CANCI
Party Hold Settlement Instruction on a Securities Account or on Behalf of an external CSD	SIG_PTYHI
Release Party Hold Settlement Instruction on a Securities Account or on Behalf of an external CSD	SIG_RPTYH

This setup allows the CCP or Trading Platform to instruct, modify and cancel instructions in DCP mode on behalf of the customer on the respective account for which the PoA was configured. Status updates (sese.024) and settlement confirmations (sese.025) can be received for these instructions, but no queries on instructions or positions are possible. The CCP or Trading Platform can also not see or amend these instructions in ICP mode, unless a separate ICP technical PoA was provided to CBF.

The customer can in DCP mode by default modify or cancel instructions entered by the CCP or Trading Platform. If this shall be prevented, instructions have to be sent with the "ModificationCancellationAllowed" flag set to "FALSE"[39]. Cancellations of such instructions by the customer in ICP mode are generally not possible.

Instructions entered by the customer cannot be queried, modified or cancelled in DCP mode. In ICP

[38] If the Power of Attorney Form for the respective PoA relationship was already provided in the past and is still valid, it does not have to be provided again.

[39] The relevant system privilege "Send settlement Instruction with non-modifiable flag activated" (SIC_SINMF) is granted to the CCP or Trading Platform as part of this setup.

mode this is only possible if a separate ICP technical PoA was provided to CBF.

CBF defines these data scope extensions on T2S party level. This means that the Admin Users of the CCP or Trading Platform need to manually pass these extensions to all T2S Users (U2A and A2A) which shall be able to instruct on behalf of the customers via ISO 20022 or the T2S GUI.

If the CCP or Trading Platform in its role as PoA Taker sends messages in A2A mode via ISO 20022, the digital signature and the "Party From" section of the Business Application Header (BAH) must be filled as following:

<Fr> <FIId> <FinInstnId> <BICFI>**POATAKERXXX**</BICFI> <ClrSysMmbId> <ClrSysId> <Prty>T2S</Prty> </ClrSysId> <MmbId>**A2AUserOfPoATaker**</MmbId> </ClrSysMmbId> <Othr> <Id>DAKVDEFFXXX</Id> </Othr> </FinInstnId> </FIId> </Fr> <To> <FIId> <FinInstnId> <BICFI>TRGTXE2SXXX</BICFI> <Othr> <Id>DAKVDEFFXXX</Id> </Othr> </FinInstnId> </FIId> </To> <BizMsgIdr>ABC12345</BizMsgIdr> <MsgDefIdr>sese.023.001.03</MsgDefIdr> <CreDt>2017-02-20T12:00:00Z</ CreDt> <Sgntr>**PoATakerSignatureEnvelope**</Sgntr>	Instructing Party (T2S Party of CCP or TP) Business Sending User (System User Reference of A2A User of CCP or TP) Digital Signature of Certificate DN linked to A2A User of CCP or Trading Platform

Note: In addition to the above-mentioned forms, CBF recommends a proper contractual agreement between the CCP or Trading Platform and the customer, in order to define the options and responsibilities which are connected with this kind of setup.

4 Communication with CBF in ICP mode via ISO 15022

In addition, DCP mode customers can use ISO 15022 connectivity and CASCADE screens for the ICP mode access to CBF. CBF forwards the instructions received in ICP mode to T2S.

4.1 Incoming messages from customers in ICP mode

ICP mode customers can send their instructions, modification or cancellation to CBF via ISO 15022 connectivity channel. Details on the message formats can be found in the Connectivity Handbooks Part 1-3.

4.2 Outgoing messages from CBF

All ISO 15022 reports provided by CBF are also available for DCP mode customers via ICP mode channel. CBF reporting provides additional information which cannot be provided by T2S.

Generally, CBF recommends DCP mode customers to subscribe to the following messages:

- MT536 - Statement of Transactions (if the customer has settlement activities related to ICP enabled CASCADE instruction types);
- MT548 - Business Validation Feedback (Instructions sent in ISO 15022 formats).

The MT535 Statement of Holdings would provide DCP customers a different view on their holdings based on the CASCADE account structure.

The following statements include all instructions of the respective account independent of instructing mode (DCP or ICP mode):

- MT536 Statement of Transactions;
- MT537 Statement of Pending Transactions;
- MT586 Statement of Allegements.

CBF delivers MT544-MT547 and MT548 messages if:

- The customer has subscribed for the MT544-547 and/or MT548 messages.
- The instruction is generated
    - In ICP mode;
    - In DCP mode customer flagged sese.023 with "YCON"[40] to receive real-time reporting messages from CBF; or
    - By T2S or CASCADE, OneClearstream Custody or Clearstream Collateral applications in case of, for instance, a reservation booking. Possible business cases are in the context of Out-CSD instructions, T2S Auto-Collateralisation or Corporate Actions on stocks. These movements from the main account to the /995 account are always reported with a settlement confirmation. Even if the DCP does not make a specific entry or sends the NCON flag, this will not change.

The MT578 Settlement Allegement can be subscribed and received independent of the flag.

In general, customers planning to use the DCP mode shall review their current ISO 15022 report subscription.

[40] How to flag a sese.023 to receive real-time reporting messages is described in section 3.1.1.4.

5 Appendix

5.1 Usage of Party Levels – Mapping SESE.023 to CASCADE to ISO 15022

SESE.023	Message sequence	Values mapping	CASCADE Online view	ISO 15022 MT548/578
Pty1	<Pty1> <Id> <AnyBIC>BANKDEFFXXX</AnyBIC> </Id> <SfkpgAcct> <Id>DAKV7777000</Id> </SfkpgAcct> </Pty1>	<AnyBIC> = BIC <SfkpgAcct> = T2S SAC	P1 BIC: BANKDEFFXXX P1 SAC: DAKV7777000	95P - REAG/DEAG - BANKDEFFXXX 97A - SAFE - 7777000
Pty2	<Pty2> <Id> <PrtryId> <Id>12345689</Id> <Issr>DEBL</Issr> </PrtryId> </Id> </Pty2>	<Issr>DEBL</Issr> = BLZ	P2: BLZ 12345689	95Q - REI1/DEI1 - UNKNOWN 97A - SAFE - BLZ-12345689
Pty3	<Pty3> <Id> <PrtryId> <Id>12345</Id> <Issr>CEDE</Issr> </PrtryId> </Id> </Pty3>	<Issr>CEDE</Issr> = DSS	P3: DSS CEDE/12345	95R - REI2/DEI2 - CEDE/12345
Pty4	<Pty4> <Id> <NmAndAdr> <Nm>nameandadress1</Nm> </NmAndAdr> </Id> </Pty4>	<NmAndAdr> = TXT	P4: TXT nameandaddress1	95Q - RECU/DECU - nameandaddress1
Pty5	<Pty5> <Id> <AnyBIC>BANKDEFFXXX</AnyBIC> </Id> </Pty5>	<AnyBIC> = BIC	P5: BIC BANKDEFFXXX	95Q - BUYR/SELL - UNKNOWN 97A - SAFE - BIC-BANKDEFF

5.2 Message Header – General setup of a SESE.023 Copy

<BizData xmlns="**urn:iso:std:iso:20022:tech:xsd:head.003.001.01**"> <AppHdr xmlns="**urn:iso:std:iso:20022:tech:xsd:head.001.001.01**"> <Fr> <FIId> <FinInstnId> <BICFI>**DAKVDEFFSTO**</BICFI> […] <Othr> <Id>**DAKVDEFFXXX**</Id> </Othr> </FinInstnId> </FIId> </Fr> <To> <FIId> <FinInstnId> <BICFI>**TRGTXE2SXXX**</BICFI> <Othr> <Id>**DAKVDEFFXXX**</Id> </Othr> </FinInstnId> </FIId> </To> <CpyDplct>**COPY**</CpyDplct> <PssblDplct>true</PssblDplct> <TradId>**KP77770101570011**</TradId>	In general, the instructing party BIC is shown, for example, TESTDEFFXXX as BIC of Testbank. DAKVDEFFSTO is used when CBF initiates correction/cancellation instructions. CSD BIC, that is, CBF BIC DAKVDEFFXXX T2S BIC CSD BIC, that is, CBF BIC DAKVDEFFXXX Copy of SESE.023 message. DCPs can subscribe to copies of instructions. Trade reference assigned by CBF: **KP** stands for CASCADE transaction type. **01** represents CASCADE transaction type (Auftragsart).

In general, CBF transmits instructions with the customer's BIC as Instructing Party BIC.
If CBF releases instructions with COSD hold, these can be identified with Instructing Party BIC "DAKVDEFFCOS".
Instructions entered by CBF operations can be identified with Instructing Party BIC "DAKVDEFFOPS".
Non-CCP Stock Exchange instructions can be identified with:

- Instructing Party BIC: "DAKVDEFFLIO";
- Trade reference: <TradId> **LP**20220407234567</TradId>; LP (refers to non-CCP Stock exchange trades) +Input date (format YYMMDD) + Trade ID (seven-digit trade number, "Börsengeschäftsnummer", provided by the stock exchange).

5.3 Examples of position reconciliation in T2S and CBF

5.3.1 Positions due to German registered shares

semt.002 –Report Account DAKV1234000					MT535 account 1234			
ISIN	YZ123	DAKV1234000	AWAS	75	ISIN	YZ123	1234000	75
semt.002 –Report Account DAKV1234001								
ISIN	YZ123	DAKV1234001	AWAS	25	ISIN	YZ123	1234001	150
ISIN	YZ123	DAKV1234001	RSKE	50				
ISIN	YZ123	DAKV1234001	RSHB	75				

CBF generates one MT535 for each account master, that is, all accounts in one report of an entity.

In general there is a 1:1 mapping of accounts between CASCADE and T2S reporting.

T2S generates for each SAC individual semt.002.

5.3.2 Separated positions due to pending external CSD or foreign currency instructions

semt.002 –Report Account DAKV1234000					MT535 account 1234			
ISIN	YZ123	DAKV1234000	EEUR	25	ISIN	YZ123	1234000	25
ISIN	YZ222	DAKV1234000	COSP	50	ISIN	YZ222	1234995	50
ISIN	YZ333	DAKV1234000	COSP	75	ISIN	YZ333	1234995	150
semt.002 –Report Account DAKV1234002								
ISIN	YZ333	DAKV1234002	COSP	75				

Conditional delivery position (CoSD blocking for foreign currency settlement and T2S out-CSD scenarios):

- The sum of COSP position in T2S equals the position on the 995 sub-account.
- COSP for securities positions blocked for CoSD.
- In the CBF report the position is held on the 995 sub-account whereas in T2S the position might be on multiple reports as semt.002 is generated at the SAC level.

5.4 Roles and privileges granted to DCPs

The following roles have been set up by CBF:

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted to the Admin Users of the DCPs								
Access Rights Administrator - Basic	Access Rights Management	Full DCPs + GUI DCPs	Administer Party	System	ARM_AdministerParty	FALSE	TRUE	FALSE
			Grant privilege	System	ARM_GrantPrivilege	FALSE	FALSE	TRUE
			Grant/Revoke Role	System	ARM_GrantRole	FALSE	FALSE	TRUE
			Granted Object Privileges List Query	System	ARQ_GrantObjectPrivilegesListQuery	FALSE	FALSE	FALSE
			Granted Roles List Query	System	ARQ_GrantedRolesListQuery	FALSE	FALSE	FALSE
			Granted System Privileges List Query	System	ARQ_GrantedSysPrivilegesListQuery	FALSE	FALSE	FALSE
Administrator 4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
CRDM Access Role	Others	Full DCPs + GUI DCPs	CRDM_Access[41]	System	CRDM_Access	FALSE	FALSE	TRUE

[41] CBF grants CDRM Access to DCP Administrators to enable them to grant any underlying privileges to be assigned to their users (see 3.2.3)

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Queries	Access Rights Management Queries	Full DCPs + GUI DCPs	Access Rights Query	System	ARQ_AccessRightsQuery	FALSE	FALSE	FALSE
			Privilege Query	System	ARQ_PrivilegeQuery	FALSE	FALSE	FALSE
			Role List Query	System	ARQ_RoleListQuery	FALSE	FALSE	FALSE
			T2S System User Query (T2S Actor Query)	System	ARQ_T2SSysUserQueryT2SActorQuery	FALSE	FALSE	FALSE
Configuration Manager	Message Subscription	Full DCPs	Create Message Subscription Rule	System	MSU_CreateMessageSubscriptionRule	FALSE	FALSE	FALSE
			Create Message Subscription Rule Set	System	MSU_CreateMessSubsRuleSet	FALSE	FALSE	FALSE
			Delete Message Subscription Rule	System	MSU_DeleteMessageSubscriptionRule	FALSE	FALSE	FALSE
			Delete Message Subscription Rule Set	System	MSU_DeleteMessSubscriptionRuleSet	FALSE	FALSE	FALSE
			Update Message Subscription Rule	System	MSU_UpdateMessageSubscriptionRule	FALSE	FALSE	FALSE
			Update Message Subscription Rule Set	System	MSU_UpdateMessSubscriptionRuleSet	FALSE	FALSE	FALSE
	Network Configuration		Create Routing	System	NCO_CreateRouting	FALSE	FALSE	FALSE
			Delete Routing	System	NCO_DeleteRouting	FALSE	FALSE	FALSE
			Update Routing	System	NCO_UpdateRouting	FALSE	FALSE	FALSE

[42] Individual DCP roles cannot be defined.

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
Configuration Reading	Message Subscription Queries	Full DCPs	Message Subscription Rule List Query	System	MSQ_MessSubscrRuleListQuery	FALSE	FALSE	FALSE
			Message Subscription Rule Set Details Query	System	MSQ_MessSubscrRuleSetDetailQuery	FALSE	FALSE	FALSE
			Message Subscription Rule Set List Query	System	MSQ_MessSubscrRuleSetListQuery	FALSE	FALSE	FALSE
	Network Configuration Queries		Network Service List Query	System	NCQ_NetworkServiceListquery	FALSE	FALSE	FALSE
			Routing List Query	System	NCQ_RoutingListQuery	FALSE	FALSE	FALSE
			Technical Address Network Service Link Details Query	System	NCQ_DisplayTechAddressNetSerLink	FALSE	FALSE	FALSE
CRDM Access Role	Others	Full DCPs + GUI DCPs	CRDM_Access	System	CRDM_Access	FALSE	FALSE	TRUE
Report Configuration	Report Configuration Queries	Full DCPs + GUI DCPs	Report Configuration Details Query	System	RCO_ReportConfigDetailQuery	FALSE	FALSE	FALSE
			Report Configuration List Query	System	RCO_ReportConfigListQuery	FALSE	FALSE	FALSE
	Report Configuration		Create Report Configuration	System	RCO_CreateReportConfiguration	FALSE	FALSE	FALSE
			Delete Report Configuration	System	RCO_DeleteReportConfiguration	FALSE	FALSE	FALSE
			Update Report Configuration	System	RCO_UpdateReportConfiguration	FALSE	FALSE	FALSE

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
Report & Queries[43]	Report Queries	Full DCPs + GUI DCPs	Report Details Query	System	RCO_ReportDetailsQuery	FALSE	FALSE	FALSE
			Report List Query	System	RCO_ReportListQuery	FALSE	FALSE	FALSE
			Broadcast Query	System	DDQ_BroadcastQuery	FALSE	FALSE	FALSE
			Inbound Files Details Query	System	DDQ_InboundFilesDetailsQuery	FALSE	FALSE	FALSE
			Inbound Files List Query	System	DDQ_InboundFilesListQuery	FALSE	FALSE	FALSE
			Inbound Message Details Query	System	DDQ_InboundMessDetailsQuery	FALSE	FALSE	FALSE
Report & Queries[44]	Report Queries	Full DCPs + GUI DCPs	Inbound Message List Query	System	DDQ_InboundMessListQuery	FALSE	FALSE	FALSE
			Outbound Files Details Query	System	DDQ_OutboundFilesDetailsQuery	FALSE	FALSE	FALSE
			Outbound Files List Query	System	DDQ_OutboundFilesListQuery	FALSE	FALSE	FALSE
			Outbound Message Details Query	System	DDQ_OutboundMessDetailsQuery	FALSE	FALSE	FALSE
			Outbound Message List Query	System	DDQ_OutboundMessListQuery	FALSE	FALSE	FALSE
			T2S BIC Query	System	NCQ_T2SBICQuery	FALSE	FALSE	FALSE
		Full DCPs	Resend Communication	Object	MMA_Resend Communication	FALSE	FALSE	FALSE

[43] Report Queries are always set up as read-only.

[44] Report Queries are always set up as read-only.

5. Appendix

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
Message Management	Message Management					FALSE	FALSE	FALSE
Settlement Queries[45]	Dynamic Data Queries	Full DCPs + GUI DCPs	Allegement Query	Object	DDQ_AllegementQuery	FALSE	FALSE	FALSE
			Amendment Instruction for Intra-Position Movement or Settlement Instruction Audit Trail Details Query	Object	DDQ_AmdInsIntrPosMovSetInsAudTrDetQ	FALSE	FALSE	FALSE
			Amendment Instruction for Intra-Position Movement or Settlement Instruction Audit Trail List Query	Object	DDQ_AmdInsIntrPosMovSetInsAudTrLisQ	FALSE	FALSE	FALSE
			Amendment Instruction Query for Intra-Position Movements and Settlement Instructions	Object	DDQ_AmendInstrQIntraPosMov+SetInstr	FALSE	FALSE	FALSE
			Cancellation Instruction for Intra-Position Movement or Settlement Instruction Audit Trail Details Query	Object	DDQ_CancInstrIntraPosMovAudTrDetQ	FALSE	FALSE	FALSE

[45] Settlement Queries are always set up as read-only.

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
			Cancellation Instruction for Intra-Position Movement or Settlement Instruction Audit Trail List Query	Object	DDQ_CancInstrIntraPosMovAudTrLisQ	FALSE	FALSE	FALSE
			Cancellation Instruction Query for Intra-position Movements and Settlement Instructions	Object	DDQ_CancInstrForSI+IntraPosMovQuery	FALSE	FALSE	FALSE
			Hold/Release Instruction Audit Trail List Query	Object	DDQ_HoldReleInstrAuditTrailLisQuery	FALSE	FALSE	FALSE
			Intra-Position Movement Audit Trail Details Query	Object	DDQ_IntraPosMovAuditTrailDetQuery	FALSE	FALSE	FALSE
			Intra-Position Movement Audit Trail List Query	Object	DDQ_IntraPosMovAuditTrailListQuery	FALSE	FALSE	FALSE
			Intra-Position Movements Query	Object	DDQ_IntraPosMovQuery	FALSE	FALSE	FALSE
			Maintenance for Intra-Position Movements and Settlement Instructions Query	Object	DDQ_MaintForIntraPosMov+SettlInstrQ	FALSE	FALSE	FALSE
	Dynamic Data Queries	Full DCPs + GUI DCPs	Hold/Release Instruction Audit Trail Details Query	Object	DDQ_HoldReleInstrAuditTrailDetQuery	FALSE	FALSE	FALSE
			Securities Account Position Query	Object	DDQ_SecuritiesAccountPositionQuery	FALSE	FALSE	FALSE

5. Appendix

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
Settlement Queries[46]			Securities Position Detailed Restriction Details Query	Object	DDQ_SecurPosDetailedRestrDetailsQue	FALSE	FALSE	FALSE
			Securities Posting Query	Object	DDQ_SecuritiesPostingQuery	FALSE	FALSE	FALSE
			Settlement instruction audit trail query	Object	DDQ_SettlInstructAuditTrailQuery	FALSE	FALSE	FALSE
			Settlement Instruction Current Status Query	Object	DDQ_SettlInstructCurrentStatusQuery	FALSE	FALSE	FALSE
			Settlement Instruction Query	Object	DDQ_SettlInstructQuery	FALSE	FALSE	FALSE
			Settlement Instruction Status Audit Trail Query	Object	DDQ_SettlInstructStatusAuditTrailQu	FALSE	FALSE	FALSE
	Settlement Queries Access rights	Full DCPs + GUI DCPs	BDM_Access	System	BDM_Access	FALSE	FALSE	TRUE
			T2S_Access	System	T2S_Access	FALSE	FALSE	TRUE
Cash Queries	T2S Dedicated Cash Account Data Queries	Full DCPs + GUI DCPs	Limit Query	System	DCQ_LimitQuery	FALSE	FALSE	FALSE

[46] Settlement Queries are always set up as read-only.

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
Static Data Queries[47]	MSA Data Queries	Full DCPs + GUI DCPs	Attribute Domain Details Query	System	MSA_AttributeDomainDetailsQuery	FALSE	FALSE	FALSE
			Attribute Domain List Query	System	MSA_AttributeDomainListQuery	FALSE	FALSE	FALSE
			Attribute Reference Details Query	System	MSA_DisplayAttribDomainRefDetQuery	FALSE	FALSE	FALSE
			Attribute Reference List Query	System	MSA_DisplayAttribDomainRefListQuery	FALSE	FALSE	FALSE
			Conditional Security Delivery Rule List Query	System	MSA_ConditSecDeliveryRuleQuery	FALSE	FALSE	FALSE
			Conditional Security Delivery Rule Set Query	System	MSA_ConditSecDeliveryRuleSetQuery	FALSE	FALSE	FALSE
			Market-Specific Attribute Detail Query	System	MSA_Market-SpecAttributeDetailQuery	FALSE	FALSE	FALSE
			Market-Specific Attribute List Query	System	MSA_Market-SpecAttributeQuery	FALSE	FALSE	FALSE
			Market-Specific Restriction List Query	System	MSA_Market-SpecRestrictListQuery	FALSE	FALSE	FALSE
			Market-Specific Restriction Type Rule Detail Query	System	MSA_Market-SpecRestrictDetailQuery	FALSE	FALSE	FALSE
			Market-Specific Restriction Type Rule Parameter Details Query	System	MSA_MarkSpecRestrTypeRuleParamDetQ	FALSE	FALSE	FALSE

[47] Static Data Queries are always set up as read-only.

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
			Market-Specific Restriction Type Rule Set List Query	System	MSA_MarkSpecRestrTypeRuleSetListQue	FALSE	FALSE	FALSE
	SAC Data Queries		CMB Securities Account Link List Query	System	SAQ_DisplayCMBSecAccLinkListQuery	FALSE	FALSE	FALSE
			Securities Account List Query	Object	SAQ_SecuritiesAccountListQuery	FALSE	FALSE	FALSE
			Securities Account Reference Data Query	Object	SAQ_SecuritiesAccReferenceDataQuery	FALSE	FALSE	FALSE
Static Data Queries[48]	Scheduling Queries	Full DCPs + GUI DCPs	Closing Day Query	System	SCQ_ClosingDayQuery	FALSE	FALSE	FALSE
			Current Status of the T2S Settlement Day	System	SCQ_CurrStatusOfT2SSettlDay	FALSE	FALSE	FALSE
			Default Event Schedule Details Query	System	SCQ_DefaultEventSchedDetailsQuery	FALSE	FALSE	FALSE
			Event Type Details Query	System	SCQ_EventTypeDetailsQuery	FALSE	FALSE	FALSE
			Event Type List Query	System	SCQ_EventTypeListQuery	FALSE	FALSE	FALSE
			T2S Calendar Query	System	SCQ_T2SCalendarQuery	FALSE	FALSE	FALSE
			T2S Diary Query	System	SCQ_T2SDiaryQuery	FALSE	FALSE	FALSE

[48] Static Data Queries are always set up as read-only.

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
	Security Data Queries		Eligible Counterpart CSD Details Query	System	SEQ_EligibleCounterpCSDDetailsQuery	FALSE	FALSE	FALSE
			Eligible Counterpart CSD List Query	System	SEQ_EligibleCounterpCSDListQuery	FALSE	FALSE	FALSE
			ISIN List Query	System	SEQ_ISINListQuery	FALSE	FALSE	FALSE
			Securities CSD Link Query	System	SEQ_SecuritiesCSDLinkQuery	FALSE	FALSE	FALSE
			Securities Deviating Nominal Query	System	SEQ_SecuritiesDeviatNominQuery	FALSE	FALSE	FALSE
			Securities Reference Data Query	System	SEQ_SecuritiesReferDataQuery	FALSE	FALSE	FALSE
	Static Data Queries		Country Query	System	SDQ_CountryQuery	FALSE	FALSE	FALSE
			Currency Query	System	SDQ_CurrencyQuery	FALSE	FALSE	FALSE
			Partial Settlement Threshold Query	System	SDQ_PartialSettlThresholdQuery	FALSE	FALSE	FALSE
			Residual Static Data Audit Trail Query	System	SDQ_ResidualStaticDataAudTrailQuery	FALSE	FALSE	FALSE
			System Entity Query	System	SDQ_SystemEntityQuery	FALSE	FALSE	FALSE
			Tolerance Amount Query	System	SDQ_ToleranceAmountQuery	FALSE	FALSE	FALSE
	Party Data Queries		Party List Query	Object	PDQ_PartyListQuery	FALSE	FALSE	FALSE
			Party Reference Data Query	Object	PDQ_PartyReferDataQuery	FALSE	FALSE	FALSE
			Restricted Party Query	Object	PDQ_RestrictedPartyQuery	FALSE	FALSE	FALSE

5. Appendix

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-eyes	Admin
Roles and privileges granted on DCP party level[42]								
4-Eyes Configuration	Dynamic Data Queries	Full DCPs + GUI DCPs	Data Changes of a Business Object Details Query		DDQ_DataChan-BusinessObjDetailQuery	FALSE	FALSE	FALSE
			Data Changes of a Business Object List Query		DDQ_DataChan-BusinessObjListQuery	FALSE	FALSE	FALSE
Access Rights Administrator - Advanced	Access Rights Management	Full DCPs + GUI DCPs	Create Certificate Distinguish Name	System	ARM_CreateCertificateDN	FALSE	TRUE	FALSE
			Create User	System	ARM_CreateUser	FALSE	TRUE	FALSE
			Create User Certificate Distinguish Name Link	System	ARM_CreateUserCertificDNLink	FALSE	TRUE	FALSE
			Delete Certificate Distinguish Name	System	ARM_DeleteCertificateDN	FALSE	TRUE	FALSE
			Delete User	System	ARM_DeleteUser	FALSE	TRUE	FALSE
			Delete User Certificate Distinguish Name Link	System	ARM_DeleteUserCertificDNLink	FALSE	TRUE	FALSE
			Update User Certificate Distinguish Name Link	System	ARM_ UpdateCertificateDN	FALSE	TRUE	FALSE
			Revoke privilege	System	ARM_RevokePrivilege	FALSE	TRUE	FALSE
			Update User	System	ARM_UpdateUser	FALSE	TRUE	FALSE
	Access Rights Queries		Certificate Query	System	ARQ_CertificateDNQuery	FALSE	FALSE	FALSE
			T2S System User Link Query	System	ARQ_UserCertifDNLinkQuery	FALSE	FALSE	FALSE
Send Instruction	Other	Full DCPs	Send new instruction using a specific Instructing Party	Object	SIG_SIUIP	FALSE	FALSE	FALSE
			Send New Settlement Instruction/Settlement Restriction on Securities either on a Securities Account or on Behalf of an external CSD	Object	SIG_SNDSI	FALSE	FALSE	FALSE

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-Eyes	Admin
Settlement	Other	Full DCPs + GUI DCPs	Amend Process Indicator of a Settlement Instruction/Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S or on Behalf of an external CSD	Object	SIG_AMNPI	FALSE	FALSE	FALSE

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-Eyes	Admin
			Cancel Settlement Instruction / Settlement Restriction on Securities either on a Securities Account or on Behalf of the CSD in T2S, on Behalf on external CSD or on Behalf of an Administering Party	Object	SIG_CANCI	FALSE	FALSE	FALSE
			Link to an Instruction/Pool Reference belonging to a specific Party	Object	SIG_LIPRP	FALSE	FALSE	FALSE
			Party Hold Settlement Instruction on a Securities Account or on Behalf of an external CSD	Object	SIG_PTYHI	FALSE	FALSE	FALSE
			Release Party Hold Auto-collateralisation Instruction on a Securities Account or on Behalf of an external CSD	Object	SIG_RPTYA	FALSE	FALSE	FALSE
			Release Party Hold Settlement Instruction on a Securities Account or on Behalf of an external CSD	Object	SIG_RPTYH	FALSE	FALSE	FALSE
Settlement ISO Codes	Other	Full DCPs	Use ISO transaction code BSBK (buy sell back)	System	SII_UBSBK	FALSE	FALSE	FALSE
			Use ISO transaction code BIYI (buy in)	System	SII_UBIYI	FALSE	FALSE	FALSE
			Use ISO transaction code CLAI (market or reverse claim)	System	SII_UCLAI	FALSE	FALSE	FALSE
			Use ISO transaction code COLI (collateral in)	System	SII_UCOLI	FALSE	FALSE	FALSE
			Use ISO transaction code COLO (collateral out)	System	SII_UCOLO	FALSE	FALSE	FALSE
			Use ISO transaction code ETFT (exchange traded funds)	System	SII_UETFT	FALSE	FALSE	FALSE
			Use ISO transaction code FCTA (factor update)	System	SII_UFCTA	FALSE	FALSE	FALSE
			Use ISO transaction code INSP (move of stock)	System	SII_UINSP	FALSE	FALSE	FALSE
			Use ISO transaction code MKDW (mark down)	System	SII_UMKDW	FALSE	FALSE	FALSE
			Use ISO transaction code MKUP (mark up)	System	SII_UMKUP	FALSE	FALSE	FALSE
Settlement ISO Codes	Other	Full DCPs	Use ISO transaction code NETT (netting)	System	SII_UNETT	FALSE	FALSE	FALSE
			Use ISO transaction code NSYN (non syndicated)	System	SII_UNSYN	FALSE	FALSE	FALSE
			Use ISO transaction code OWNI (internal account transfer)	System	SII_UOWNI	FALSE	FALSE	FALSE

CBF role	Class of privileges	Granted to	Privilege	Privilege type	Privilege short name	Deny	4-Eyes	Admin
			Use ISO transaction code PAIR (pair off)	System	SII_UPAIR	FALSE	FALSE	FALSE
			Use ISO transaction code PLAC (placement)	System	SII_UPLAC	FALSE	FALSE	FALSE
			Use ISO transaction code REDM (redemption)	System	SII_UREDM	FALSE	FALSE	FALSE
			Use ISO transaction code RELE (depository receipt release cancellation)	System	SII_URELE	FALSE	FALSE	FALSE
			Use ISO transaction code REPU (repo)	System	SII_UREPU	FALSE	FALSE	FALSE
			Use ISO transaction code RODE (return delivery without matching)	System	SII_URODE	FALSE	FALSE	FALSE
			Use ISO transaction code RVPO (reverse repo)	System	SII_URVPO	FALSE	FALSE	FALSE
			Use ISO transaction code SBBK (sell buy back)	System	SII_USBBK	FALSE	FALSE	FALSE
			Use ISO transaction code SBRE (borrowing reallocation)	System	SII_USBRE	FALSE	FALSE	FALSE
			Use ISO transaction code SECB (securities borrowing)	System	SII_USECB	FALSE	FALSE	FALSE
			Use ISO transaction code SECL (securities lending)	System	SII_USECL	FALSE	FALSE	FALSE
			Use ISO transaction code SLRE (lending reallocation)	System	SII_USLRE	FALSE	FALSE	FALSE
			Use ISO transaction code SUBS (subscription)	System	SII_USUBS	FALSE	FALSE	FALSE
			Use ISO transaction code SYND (syndicate underwriters)	System	SII_USYND	FALSE	FALSE	FALSE
			Use ISO transaction code TBAC (TBA closing)	System	SII_UTBAC	FALSE	FALSE	FALSE
			Use ISO transaction code TRAD (trade)	System	SII_UTRAD	FALSE	FALSE	FALSE
			Use ISO transaction code TRPO (triparty repo)	System	SII_UTRPO	FALSE	FALSE	FALSE
			Use ISO transaction code TRVO (triparty reverse repo)	System	SII_UTRVO	FALSE	FALSE	FALSE
			Use ISO transaction code TURN (turnaround)	System	SII_UTURN	FALSE	FALSE	FALSE

5.5 Report configuration recommended by CBF

Report Configuration						Report Configuration Party Links				
Configuration Name	**Description**	**Delta Mode**	**Parent BIC**	**BIC**	**Report Name**	**Parent BIC**	**BIC**	**Valid From**	**Push Mode**	**Event type**
Statement of Holdings semt.002	(optional)	NO	DAKVDEFFXXX	(DCP BIC)	Statement of Holdings	DAKVDEFFXXX	(DCP BIC)	(Date)	YES	EESR
Statement of settled SI semt.017	(optional)	YES	DAKVDEFFXXX	(DCP BIC)	Statement of Transactions	DAKVDEFFXXX	(DCP BIC)	(Date)	YES	EESR
Statement of Pending SI semt.018	(optional)	YES	DAKVDEFFXXX	(DCP BIC)	Statement of Pending Instructions	DAKVDEFFXXX	(DCP BIC)	(Date)	YES	EESR
Statement of settled SR semt.016	(optional)	YES	DAKVDEFFXXX	(DCP BIC)	Statement of Settled Intra-Position Movements	DAKVDEFFXXX	(DCP BIC)	(Date)	YES	EESR
Statement of Pending SR semt.034	(optional)	YES	DAKVDEFFXXX	(DCP BIC)	Statement of Pending Intra-Position Movements	DAKVDEFFXXX	(DCP BIC)	(Date)	YES	EESR
Statement of allegements semt.019	(optional)	YES	DAKVDEFFXXX	(DCP BIC)	Statement of Settlement Allegements	DAKVDEFFXXX	(DCP BIC)	(Date)	YES	EESR

Contact
www.clearstream.com

Published by

Clearstream Banking AG, Frankfurt

Registered address
Clearstream Banking AG, Frankfurt
Mergenthalerallee 61
65760 Eschborn
Germany

Postal address
Clearstream Banking AG
60485 Frankfurt /Main
Germany

February 2023
Document number: 7149