

General Information (Origin of Request)		
<input type="checkbox"/> User Requirements Document (URD) <input checked="" type="checkbox"/> User Detailed Functional Specification (UDFS) <input type="checkbox"/> User Handbook (UHB) <input type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
Request raised by: 4CB	Institute: ECB	Date raised: 01.02.2021
Request title: Data Propagation and data loading adaptations		Request ref. no: CSLD-0074-UDFS
Request type:		
1. Legal/business importance parameter:	2. Market implementation efforts parameter – Stakeholder impact:	
3. Operational impact:	4. Financial impact parameter:	
5. Functional/ Technical impact:	6. Interoperability impact:	
Requestor Category: Central Banks		Status: 4CB detailed assessment

Update 04.11.2021

Chapter B.7:

Second bullet point: addition of “CLM Dedicated Transit Accounts for T2S-TIPS-RTGS” and “AS Technical Account, AS Guarantee Fund Account”.

Reason for change and expected benefits/business motivation:

In order to facilitate a smooth data propagation from CRDM to CLM/RTGS and to ensure consistent data within CLM/RTGS, the 4CB internal testing campaign showed that for some very specific data constellations some further enhancements are needed.

The main reasons for adapting the already implemented processes in CRDM/CLM/RTGS are:

- Although CSLD is in principle multi-currency enabled, there are certain data which are only allowed/relevant for EUR/the Eurosystem (e.g. accounts for calculation the cross-CB turnover)
- In line with the agreed set up of system entities in the multi-currency context, it is necessary to know the relevant currency of the system entity. Moreover, it needs to be ensured that the combination of currency and country code is unique per system entity (for the system entity = ECB the country code is “EU”)
- CRDM is not only used by CLM/RTGS, but is also the central source of reference data for other settlement services (T2S, TIPS and ECONSII). Consequently, not all validations required by CLM/RTGS can be enforced for the entire database.
- Data references should be kept consistent or, where this is not possible/desirable (such as when it creates dependencies between different Parties for the maintenance of their respective data), adjustments should be made to prevent errors in CLM/RTGS.

Description of requested change:

The interventions foreseen in this CR are based on two main categories of corrective measures:

- a) Additional CRDM validations to prevent data configurations that are not handled in T2, and
- b) Corrective measures to ignore possible incomplete or inconsistent data configurations in order to ensure that these data configurations are not used in T2, thus avoiding processing errors.

A. Business Rules CRDM (Additional validations to be implemented in CRDM)

1. BIC Directory Loading

It is currently possible that the automatic BIC Directory loading process using data from SWIFT removes BICs that are used as Party or Account BICs. Moreover, as today in TARGET2 it is possible to use BICs in T2 which are not published in the SWIFT BIC Directory. As T2 requires all BICs used within T2 to be in the BIC Directory, validations will be enforced to reject these changes and keep the BICs in the Directory.

2. Party

A Party referenced as "Leading CLM Account Holder" in an active and valid Party Service Link or included in an active and valid Account Monitoring Group, Settlement Bank Account Group or Banking Group (either as "Leading Party" or not) should not be closed in such a way as to make those references inconsistent.

3. Party Service Link

A Party defined as "Leading CLM Account Holder" should belong to the same System Entity as the Party defining the Party Service Link (for Eurosystem Parties) or have the same Currency (for non-Eurosystem Parties). This is relevant for minimum reserve related calculations (ie the Party defining the Party Service Link is subject to minimum reserve) which can take place in EUR only.

Moreover, it should not be possible to set the U2A-only flags to TRUE if there are existing Report, Message Subscription or Routing Configurations for the linked Party.

4. Cash Account

A Cash Account referenced in an active and valid AS Procedure, Account Monitoring Group, Liquidity Transfer Group or Settlement Bank Account Group should not be closed in such a way as to make those references inconsistent.

Cash Account types "Overnight Deposit", "Marginal Lending", "Central Bank ECB Account" and "ECB Mirror Account" can only be defined for currency EUR. Marginal Lending accounts, CB ECB accounts and ECB Mirror accounts, moreover, can only be opened under Eurosystem CBs.

5. Liquidity Transfer Order

As prescribed in Change Request 0022, it should only be possible to define at most one ceiling configuration per account to be debited and one floor configuration per account to be credited. A clear validation to ensure this was missing.

6. Routing

It should not be possible to define Routing configurations for Parties with U2A-only flag set to True.

7. Banking Group / Account Monitoring Group / Liquidity Transfer Group/Settlement Bank Account Group

Parties included in the same Banking Group should all be defined in the same Currency.

Cash Accounts included in the same Account Monitoring Group or Liquidity Transfer Group or Settlement Bank Account Group should all be defined in the same Currency.

B. Filtering CLM/RGTS (Data configurations not used in T2)

1. System Entity

It is necessary for Central Bank System Entities in T2 to be fully configured with a corresponding Currency Code. Moreover, there may be no more than one Central Bank instance at the same time for the same Country and Currency Code pair. System Entities will be configured in order to respect this constraint.

System Entities without a Currency Code will be automatically excluded from the data propagation to T2, along with all their data including Parties and Cash Accounts and all related configurations.

2. Floor/ceiling configuration

Only complete and consistent floor/ceiling configurations are considered in CLM/RTGS.

The following rules must be met in order to ensure that the configuration is considered to be consistent and to be used in CLM/RTGS:

- In case of a credit-based only cash account, the target amount for floor must be > zero
- In case of a credit-based only cash account, the target amount for ceiling must be > zero
- In line with the established workaround in T2S a target amount needs to have a value different from zero. In case an amount of zero is defined, this is considered as “not provided” in CLM/RTGS.
- In case a rule-based ceiling configuration is set up (see CRDM UHB 2.3.2.10 Standing/Predefined Liquidity Transfer Order – New/Edit Screen) also a target amount which is lower or equal to the trigger amount shall be defined
- In case a rule-based floor configuration is set up (see CRDM UHB 2.3.2.10 Standing/Predefined Liquidity Transfer Order – New/Edit Screen) also a target amount which is higher or equal to the trigger amount shall be defined
- In case a floor triggering amount is defined also a target amount which is higher or equal to the trigger amount shall be defined
- In case a ceiling triggering amount is defined also a target amount which is lower or equal to the trigger amount shall be defined
- It is only possible to set up a floor/ceiling configuration using the following account types:
 - RTGS DCA
 - RTGS CB Account
 - MCA
 - CLM CB Account

Invalid floor/ceiling configurations are automatically filtered and will not be loaded into CLM/RTGS.

3. Bilateral limits

Only bilateral limits which meet the following conditions are considered in RTGS on the upcoming business day:

- Standing order Limit for bilateral Limits must refer to two different cash accounts
- Both cash accounts used, must have the same currency and must be valid on the upcoming business day

Invalid bilateral limits will not be loaded into RTGS.

4. Ancillary system – bilateral agreement

Only ancillary system bilateral agreements referring to active and valid AS parties using AS settlement procedure C or D will be considered in RTGS on the upcoming business day. CRDM ensures the validity of the Parties and AS Settlement Procedures upon creation of the AS Bilateral Agreement, nevertheless it is possible to subsequently close the related Party. Invalid bilateral agreements will not be loaded into RTGS.

5. Default MCA

In principle, for every leading CLM Account Holder exactly one default MCA needs to be defined. In case no default MCA is defined, this should not block the data loading for CLM. Consequently, the processes in CLM need to be updated in order to check in case of e.g. interest calculation related to minimum reserve if any other cash account for the leading CLM Account Holder exists and to debit/credit the related amounts on the respective account.

6. Settlement Bank Account Group

A settlement bank account group can only include cash accounts that are valid on the upcoming business date. In case a Settlement Bank Account Group includes closed or deleted cash accounts, such cash accounts will not be loaded into RTGS and only valid cash accounts will be loaded into RTGS.

7. Incomplete multi-step configurations

Certain configurations rely on the simultaneous existence of data defined in multiple CRDM objects that need to be set up in successive, asynchronous steps. As such, these configurations cannot be used in T2 unless all the objects in the sequence are fully configured and valid for the upcoming business date. Therefore, incomplete configurations will be filtered out during the data propagation and loading process.

The specific data configurations and related CRDM objects are listed below:

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- For every Party Service Link of type CLM Account Holder there must be a Cash Account of type MCA; for every RTGS Account Holder there must be a Cash Account of type RTGS DCA.
 - For every Cash Account of type MCA, CLM CB Account, Central Bank ECB Account, ECB Mirror Account, CLM Dedicated Transit Accounts for T2S-TIPS-RTGS, RTGS Dedicated Cash Account, RTGS CB Account, AS Technical Account, AS Guarantee Funds Account, RTGS Dedicated Transit Account there must be a corresponding Authorised Account User defining the (“Direct”) Account BIC.
 - For every Party Service Link of type Ancillary System (in RTGS) there must be at least a corresponding Ancillary System Procedure.
 - For every Cash Account of type AS Technical Account there must be a corresponding AS Procedure referencing it.

Note : During the implementation of this CR it will be commonly checked by Bdl/Bbk whether i) the necessary changes have any impact on the timely completion of the end of day processing and ii) additional measures need to be taken.

Part C (Operational Tools) will be covered by a dedicated CR.

Submitted annexes / related documents:

Proposed wording for the Change request:

UDFS

CLM UDFS

3.2.1 Account types

MCA

...

The default MCA is the only account on which the following operations are processed:

- update of credit line;
- reimbursements linked marginal lending and overnight deposits (summarised as standing facilities); monetary policy operations other than standing facilities (e.g. open market operations like the main refinancing operation or the longer-term refinancing operations);
- interest payment orders linked to marginal lending, overnight deposits, minimum reserves and excess reserves;
- infringement penalties regarding monetary policy instruments (e.g. minimum reserves);
- any other activity carried out by CBs in their capacity as CB of issue.

Note: In case no default MCA is defined for the Leading CLM Account Holder, CLM checks whether any other MCA exists for the Leading CLM Account Holder in order to settle interests and penalties.

3.2.3 Functionalities

Floor/ceiling

For each MCA or CLM CB Account, a CLM Account Holder or CLM CB Account Holder can define a minimum (“floor”) and/or a maximum (“ceiling”) amount in CRDM that shall be available for settlement on the respective account. The CLM Account Holder or CLM CB Account Holder can choose how CLM shall respond in case the floor or ceiling on an account is breached (e.g. after the settlement of a payment order).

Owing to the fact that various objects in CRDM are involved when creating/changing a floor/ceiling configuration there might be certain constellations where the set up is not complete. In case such invalid/incomplete floor/ceiling configuration is propagated during the regular data propagation for the upcoming business day such incomplete configurations are not considered in CLM for further processing.

RTGS UDFS

3.2.3 Functionalities

Floor/ceiling

For each RTGS DCA or RTGS CB Account, an RTGS Account Holder or RTGS CB Account Holder can define a minimum (“floor”) and/or a maximum (“ceiling”) amount in CRDM that shall be available for settlement on the respective account. The RTGS Account Holder or RTGS CB Account Holder can choose how RTGS shall respond in case the floor or ceiling on an RTGS DCA or RTGS CB Account is breached (after the settlement of payments or AS transfers).

Owing to the fact that various objects in CRDM are involved when creating/changing a floor/ceiling configuration there might be certain constellations where the set up is not complete. In case such invalid/incomplete floor/ceiling configuration is propagated during the regular data propagation for the upcoming business day such incomplete configurations are not considered in RTGS for further processing.

Standing order for limit

A standing order for limit is an instruction of an RTGS Account Holder to define bilateral and/or multilateral limits of a fixed amount for a business day on an RTGS DCA without a predefined end date. These limits are processed during the start-of-day (SoD) procedure of the following business day.

In case a standing order limit is propagated which is not considered as valid by RTGS such standing order limit will not exist on the upcoming business day in RTGS.

3.3 Types of groups

Settlement Bank Account Group

A Settlement Bank Account Group is a group of accounts used for ancillary system settlement. An ancillary system's Settlement Bank Account Group contains all accounts of the AS settlement banks used by the ancillary system. The groups are set up for settlement reasons. It is also possible for the ancillary system to monitor the balances of the RTGS sub-accounts included into the group. This is not valid for linked RTGS DCAs and RTGS CB accounts.

CBs can set up a Settlement Bank Account Group defined for ancillary system parties under their responsibility. All actions (set up, modify, delete) become effective as of the next business day or on the activation date. Each CB links the accounts for which it is responsible to a Settlement Bank Account Group.

A Settlement Bank Account Group can include accounts with type RTGS DCA, RTGS sub-account and RTGS CB Account owned by several parties belonging to one or multiple CBs. In such a case, the responsible CB of the party links the relevant accounts to the Settlement Bank Account Group. RTGS DCAs and RTGS CB Accounts can be included in more than one Settlement Bank Account Group but not RTGS sub-accounts.

In case a Settlement Bank Account Group includes an invalid cash account, the invalid cash account is not considered as part of the Settlement Bank Account Group for further processing.

5.4.4.3 Cross-ancillary system settlement

Basics

In addition to the above described procedures for the settlement of ancillary system, there is also the possibility to send AS transfers on a cross-ancillary system basis. As a precondition to use this feature a bilateral agreement between the sending and receiving ancillary systems needs to be in place.

[Footnote to be added] This agreement has to be put in the reference data by the relevant CBs on behalf of the ancillary systems.

[Footnote to be added]: Owing to the fact that various objects in CRDM are involved when creating/changing a bilateral agreement there might be a situation where the set up is not complete. In case such invalid/incomplete configuration is propagated during the regular data propagation for the upcoming business day such incomplete configuration is not considered in RTGS for further processing.

CRDM UDFS

3.1.2.3.2 Schema (acmt.007) – Business rules applicable to the schema

MESSAGE ITEM	BUSINESS RULES
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Proprietary Document/AcctOpngReq/Acct/Tp/Prtry	DCC1225 DCC1226 DCC1530 DCC1531 DCC1536
Currency Document/AcctOpngReq/Acct/Ccy	DCC1100 DCC1207 DCC1225 DCC1226 DCC1550

5.1 Business Rules

Rule Id	Description	Inbound Message	Outbound message	Reason Code	Error Text	T2S	TIPS	RTGS	CLM	ECONS2
DPU1030	When performing a Party Update request, in case of request to close a Party, all the linked instances in a higher position within the deletion hierarchy (i.e. Securities Account, Cash Account, External RTGS Account, Security CSD Link and CSD Account link, Party, Party Service Link, Data Aggregation) must be closed or deleted.	reda.022	reda.016	REJT	The deletion/close is not allowed due to a priority constraint.	Yes	Yes	Yes	Yes	Yes
DCC1225	When performing a Cash Account Create request, if the Account Type is Overnight Deposit Account, Marginal Lending Account, Central Bank ECB Account or ECB Mirror Account, the Currency must be EUR.	acmt.007	acmt.011	REJT	Currency must be EUR.	No	No	No	Yes	No
DCC1226	When performing a Cash Account Create request for a Marginal Lending Account, the requestor must be a Eurosystem CB.	acmt.007	acmt.011	REJT	Requestor must be a Eurosystem CB.	No	No	No	Yes	No
DCU1030	A Cash Account cannot be closed if there still are valid instances of the following entities linked to it: Liquidity Transfer Order, Liquidity Transfer Order Link Set, Authorised Account User, Data Aggregation, Limit, Standing Order for Reservation, Direct Debit Mandate, AS Procedure .	acmt.015	acmt.011	REJT	The account cannot be closed due to a closure priority constraint	Yes	Yes	Yes	Yes	No

MyStandards documentation for CRDM

Amendment of Business Rules as outlined in UDFS section.

CRDM UHB

2.3.1.7 Party Service Link – Details Screen

RTGS Configuration Data	
U2A only	Shows whether the party acts only through the U2A channel in RTGS or not. Reference for error messages : - DPD4016

CLM Configuration Data	
U2A only	Shows whether the party acts only through the U2A channel in CLM or not. Reference for error messages : - DPD4016

Restore	[...] Reference for error messages : [...] - DPD4016 [...]
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2.3.1.8 Party Service Link – New/Edit Screen

RTGS Configuration Data	
U2A only	Select whether the party acts only through the U2A channel in RTGS or not. Reference for error messages : - DPD4016

CLM Configuration Data	
U2A only	Select whether the party acts only through the U2A channel in CLM or not. Reference for error messages : - DPD4016

Submit	[...] Reference for error messages : [...] - DPD4016 [...]
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2.3.2.3 Cash Account – New/Edit Screen

Account Type	[...] Reference for error messages : [...] - DCC1225 - DCC1226 [...]
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Currency	[...] Reference for error messages : [...] - DCC1225 [...]
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Submit	[...]
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	<p>Reference for error messages :</p> <p>[...]</p> <p>- DCC1225</p> <p>- DCC1226</p> <p>[...]</p> <p>This field is not allowed if the Cash Account Type is TIPS Credit Memorandum Balance. It is mandatory in all other cases.</p> <p>This field must be forced to EUR and cannot be modified when the Account Type is Overnight Deposit Account, Marginal Lending Account, Central Bank ECB Account or ECB Mirror Account.</p>
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2.3.2.8 Standing/Predefined Liquidity Transfer Order – Search/List Screen

Order Type	<p>[...]</p> <p>Reference for error messages :</p> <p>[...]</p> <p>- DCD4095</p> <p>[...]</p>
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Restore	<p>[...]</p> <p>Reference for error messages :</p> <p>[...]</p> <p>- DCD4095</p> <p>[...]</p>
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2.3.2.9 Standing/Predefined Liquidity Transfer Order – Details Screen

Order Type	<p>[...]</p> <p>Reference for error messages :</p> <p>[...]</p> <p>- DCD4095</p> <p>[...]</p>
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Restore	<p>[...]</p> <p>Reference for error messages :</p> <p>[...]</p> <p>- DCD4095</p> <p>[...]</p>
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2.3.2.10 Standing/Predefined Liquidity Transfer Order – New/Edit Screen

Order Type	<p>[...]</p> <p>Reference for error messages :</p> <p>[...]</p> <p>- DCC4095</p> <p>- DCU4095</p> <p>[...]</p>
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Submit	<p>[...]</p> <p>Reference for error messages :</p> <p>[...]</p> <p>- DCC4095</p> <p>- DCU4095</p> <p>[...]</p>
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2.3.6.3 Routing – Search/List Screen

Network Service	[...] Reference for error messages : [...] - DRDW015 [...]
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Parent BIC	[...] Reference for error messages : [...] - DRDW015 [...]
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Party BIC	[...] Reference for error messages : [...] - DRDW015 [...]
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Restore	[...] Reference for error messages : [...] - DRDW015 [...]
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2.3.6.4 Routing – New/Edit Screen

Network Service	[...] Reference for error messages : [...] - DRCW015 [...]
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Parent BIC	[...] Reference for error messages : [...] - DRCW015 [...]
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Party BIC	[...] Reference for error messages : [...] - DRCW015 [...]
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Submit	[...] Reference for error messages : [...] - DRCW015 [...]
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2.4.1.2 Account Monitoring Group – New/Edit Screen

Submit	[...] Reference for error messages :
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	[...] - DRCJ019 - DRUJ022 [...]
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2.4.2.3 Banking Group – New/Edit Screen

Submit	[...] Reference for error messages : [...] - DRCJ019 - DRUJ022 [...]
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2.4.1.6 Liquidity Transfer Group – New/Edit Screen

Submit	[...] Reference for error messages : [...] - DRCJ019 - DRUJ022 [...]
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2.4.1.9 Settlement Bank Account Group – New/Edit Screen

Submit	[...] Reference for error messages : [...] - DRCJ019 - DRUJ022 [...]
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4.3.2.3 Account Monitoring Group – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
DRCJ019	Submit button	Invalid currency	Parties included in the same Banking Group should all be defined in the same Currency. Cash Accounts included in the same Account Monitoring Group, Settlement Bank Account Group or Liquidity Transfer Group should all be defined in the same Currency.
DRUJ022	Submit button	Invalid currency	Parties included in the same Banking Group should all be defined in the same Currency. Cash Accounts included in the same Account Monitoring Group, Settlement Bank Account Group or Liquidity Transfer Group should all be defined in the same Currency.

4.3.2.15 Banking Group – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
DRCJ019	Submit button	Invalid currency	Parties included in the same Banking Group should all be defined in the same Currency. Cash Accounts included in the same Account Monitoring Group, Settlement Bank Account Group or Liquidity Transfer Group should all be defined in the same Currency.
DRUJ022	Submit button	Invalid currency	Parties included in the same Banking Group should all be defined in the same Currency. Cash Accounts included in the same Account Monitoring Group, Settlement Bank Account Group or Liquidity Transfer Group should all be defined in the same Currency.

4.3.2.22 Cash Account – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
DCC1225	Account Type field Currency Field Submit button	Currency must be EUR.	When performing a Cash Account Create request, if the Account Type is Overnight Deposit Account, Marginal Lending Account, Central Bank ECB Account or ECB Mirror Account, the Currency must be EUR.
DCC1226	Account Type field Submit button	Requestor must be a Eurosystem CB.	When performing a Cash Account Create request for a Marginal Lending Account, the requestor must be a Eurosystem CB.
DCU1030	Submit button	The account cannot be closed due to a closure priority constraint	A Cash Account cannot be closed if there still are valid instances of the following entities linked to it: Liquidity Transfer Order, Liquidity Transfer Order Link Set, Authorised Account User, Data Aggregation, Limit, Standing Order for Reservation, Direct Debit Mandate, AS Procedure .

4.3.2.46 Liquidity Transfer Group – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
DRCJ019	Submit button	Invalid currency	Parties included in the same Banking Group should all be defined in the same Currency. Cash Accounts included in the same Account Monitoring Group, Settlement Bank Account Group or Liquidity Transfer Group should all be defined in the same Currency.
DRUJ022	Submit button	Invalid currency	Parties included in the same Banking Group should all be defined in the same Currency. Cash Accounts included in the same Account Monitoring Group, Settlement Bank Account Group or Liquidity Transfer Group should all be defined in the same Currency.

4.3.2.53 Party – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
DPU1030	Submit button	The deletion/close is not allowed due to a deletion priority constraint	When performing a Party Update request, in case of request to close a Party, all the linked instances in a higher position within the deletion hierarchy (i.e. Securities Account, Cash Account, External RTGS Account, Security CSD Link and CSD Account link, Party, Party Service Link, Data Aggregation) must be closed or deleted.

4.3.2.54 Party Service Link – Search/List Screen

Reference for error message	Field or Button	Error Text	Description
DPD4010	Leading CLM Account Holder Party field Restore button	Unknown, deleted or closed Leading CLM Account Holder Party	In a restore request, the Leading CLM Account Holder must refer to an existing, active and non-closed Party with an existing, active and non-closed Party Service Link to T2_CLM with Service Party Type "CLM Account Holder". Moreover it must be defined in the same Currency as the Party being linked to the Service; if the Party is a Eurosystem Party, it should belong to the same System Entity.
DPD4016	Restore button	Existing _____ A2A configuration for U2A-only Party	In a restore request, the U2A-only flags cannot be set to TRUE if there are existing Report Configurations, Message Subscription Rule Sets or Routing Configurations for the linked Party in the respective component.

4.3.2.55 Party Service Link – Details Screen

Reference for error message	Field or Button	Error Text	Description
DPD4016	RTGS Configuration – U2A only field CLM Configuration – U2A only field Restore button	Existing A2A configuration for U2A-only Party	In a restore request, the U2A-only flags cannot be set to TRUE if there are existing Report Configurations, Message Subscription Rule Sets or Routing Configurations for the linked Party in the respective component.
DPD4010	Leading CLM Account Holder Party field Restore button	Unknown, deleted or closed Leading CLM Account Holder Party	In a restore request, the Leading CLM Account Holder must refer to an existing, active and non-closed Party with an existing, active and non-closed Party Service Link to T2_CLM with Service Party Type "CLM Account Holder". Moreover it must be defined in the same Currency as the Party being linked to the Service; if the Party is a Eurosystem Party, it should belong to the same System Entity.

4.3.2.56 Party Service Link – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
DPC4012	Leading CLM Account Holder Party field Submit button	Unknown, deleted or closed Leading CLM Account Holder Party	The Leading CLM Account Holder must refer to an existing, active and non-closed Party with an existing, active and non-closed Party Service Link to T2_CLM with Service Party Type "CLM Account Holder". Moreover it must be defined in the same Currency as the Party being linked to the Service; if the Party is a Eurosystem Party, it should belong to the same System Entity.
DPU4011	Leading CLM Account Holder Party field Submit button	Unknown, deleted or closed Leading CLM Account Holder Party	The Leading CLM Account Holder must refer to an existing, active and non-closed Party with an existing, active and non-closed Party Service Link to T2_CLM with Service Party Type "CLM Account Holder". Moreover it must be defined in the same Currency as the Party being linked to the Service; if the Party is a Eurosystem Party, it should belong to the same System Entity.
DPU4021	RTGS Configuration – U2A only field CLM Configuration – U2A only field Restore button	Existing A2A configuration for Party	The U2A-only flags cannot be set to TRUE if there are existing Report Configurations, Message Subscription Rule Sets or Routing Configurations for the linked Party in the respective component.

4.3.2.63 Routing – Search/List Screen

Reference for error message	Field or Button	Error Text	Description
DRDW015	Network Service Field Parent BIC field Party BIC field Restore button	Party is U2A-only.	When performing a Routing Restore request for Network Services belonging to T2_CLM or T2_RTGS, the related Party must not be defined as U2A-only in the relevant component.

4.3.2.64 Routing – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
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DRCW015	Network Service Field Parent BIC field Party BIC field Submit button	Party is U2A-only.	When performing a Routing Create request for Network Services belonging to T2 CLM or T2 RTGS, the related Party must not be defined as U2A-only in the relevant component.
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4.3.2.72 Settlement Bank Account Group – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
DRCJ019	Submit button	Invalid currency	Parties included in the same Banking Group should all be defined in the same Currency. Cash Accounts included in the same Account Monitoring Group, Settlement Bank Account Group or Liquidity Transfer Group should all be defined in the same Currency.
DRUJ022	Submit button	Invalid currency	Parties included in the same Banking Group should all be defined in the same Currency. Cash Accounts included in the same Account Monitoring Group, Settlement Bank Account Group or Liquidity Transfer Group should all be defined in the same Currency.

4.3.2.75 Standing/Predefined Liquidity Transfer Order – Search/List Screen

Reference for error message	Field or Button	Error Text	Description
DCD4095	Order Type field Restore button	Floor/Ceiling configuration already exists	When performing a Rule-Based Liquidity Transfer Order Restore request, there can never be more than one floor configuration debiting the same Cash Account or more than one ceiling configuration crediting the same Cash Account over the same validity period.

4.3.2.76 Standing/Predefined Liquidity Transfer Order – Details Screen

Reference for error message	Field or Button	Error Text	Description
DCD4095	Order Type field Restore button	Floor/Ceiling configuration already exists	When performing a Rule-Based Liquidity Transfer Order Restore request, there can never be more than one floor configuration debiting the same Cash Account or more than one ceiling configuration crediting the same Cash Account over the same validity period.

4.3.2.77 Standing/Predefined Liquidity Transfer Order – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
DCC4095	Order Type field Submit button	Floor/Ceiling configuration already exists	When performing a Rule-Based Liquidity Transfer Order Create request, there can never be more than one floor configuration debiting the same Cash Account or more than one ceiling configuration crediting the same Cash Account over the same validity period.
DCU4095	Order Type field Submit button	Floor/Ceiling configuration already exists	When performing a Rule-Based Liquidity Transfer Order Create request, there can never be more than one floor configuration debiting the same Cash Account or more than one ceiling configuration crediting the same Cash Account over the same validity period.

High level description of Impact:

Impacts on other projects and products:

Outcome/Decisions:

			Process	User Interaction	Business Data Definition	Non-functional Requirements	
CENTRAL LIQUIDITY MANAGEMENT (CLM)	GENERAL	CLM Payment Order					
		CLM Liquidity Transfer Order	X				
		CLM Liquidity Reservation					
	CENTRAL BANK SERVICES	Modify Credit Line					
		Connected Payments					
		Overnight Deposit					
		Marginal Lending					
		Minimum Reserve Management	X				
		EoD General Ledger Files					
	REAL-TIME GROSS SETTLEMENT (RTGS)	GENERAL	RTGS Payment Order				
			Queue Management				
RTGS Liquidity Transfer Order			X				
RTGS Liquidity Reservation							
RTGS Services for Ancillary Systems (AS)							
CB SERVICES							
COMMON	GENERAL	ESMIG					
		CRDM	X	X			
		Business Day					

	2.4.1.2 Account Monitoring Group – New/Edit Screen 2.4.2.3 Banking Group – New/Edit Screen 2.4.1.6 Liquidity Transfer Group – New/Edit Screen 2.4.1.9 Settlement Bank Account Group – New/Edit Screen 4.3.2.3 Account Monitoring Group – New/Edit Screen 4.3.2.15 Banking Group – New/Edit Screen 4.3.2.22 Cash Account – New/Edit Screen 4.3.2.46 Liquidity Transfer Group – New/Edit Screen 4.3.2.53 Party – New/Edit Screen 4.3.2.54 Party Service Link – Search/List Screen 4.3.2.55 Party Service Link – Details Screen 4.3.2.56 Party Service Link – New/Edit Screen 4.3.2.63 Routing – Search/List Screen 4.3.2.64 Routing – New/Edit Screen 4.3.2.72 Settlement Bank Account Group – New/Edit Screen 4.3.2.75 Standing/Predefined Liquidity Transfer Order – Search/List Screen 4.3.2.76 Standing/Predefined Liquidity Transfer Order – Details Screen 4.3.2.77 Standing/Predefined Liquidity Transfer Order – New/Edit Screen	
External training materials		
Other documentations	Configuration guide	Inclusion of new error codes for CRDM.
Links with other requests		
Links	Reference	Title
OVERVIEW OF THE IMPACT OF THE REQUEST ON THE T2SYSTEM AND ON THE PROJECT		
Summary of functional, technical, operational, stakeholder, financial and interoperability impacts		
<p>CLM/RTGS: Owing to the fact that often various objects in CRDM are involved when creating/changing reference data configurations there exist certain data constellations (see B.2, B.3, B.4, B.5, B.6 above) where the set up in CRDM is not complete/entirely consistent from a CLM/RTGS perspective. In case such invalid/incomplete configurations are propagated during the regular data propagation for the upcoming business day such incomplete configurations are not considered in CLM/RTGS for further processing and are therefore not loaded into the local data model.</p> <p>DWH: The filter used in CLM/RTGS will not be implemented in DWH. DWH will load the full set of CRDM data (in line with the agreed interface specification). Therefore there might be an inconsistency between the data used in CLM/RTGS and the data that will be available in DWH.</p> <p>CRDM: Implementation of new/modified business rules to ensure data is aligned to the conditions described in “Description of requested change” section A. Implementation of enhanced data propagation filters as described in “Description of requested change” section B.</p>		
Summary of dependencies		

T2S: We identified some editorial impact on T2S stemming from several changes at business rule level for CRDM on objects, which are also used by T2S. We will deal with these changes with an editorial change request.

TIPS and ECMS: no impact

Summary of project risk

None

Security analysis

No potentially adverse effect was identified during the security assessment.