Change Request form

<table>
<tr><td colspan="4">General Information (Origin of Request)</td></tr>
<tr><td colspan="4">☐ User Requirements Document (URD)</td></tr>
<tr><td colspan="4">☒ Other User Functional or Technical Documentation (SYS)</td></tr>
<tr><td colspan="4">☐ Other TIPS Documentation (OTD)</td></tr>
<tr><td colspan="4"><i>(to be filled in by CoG)</i></td></tr>
<tr><td colspan="2">Request raised by:

4CB</td><td colspan="2">Date raised: 30/09/2019</td></tr>
<tr><td>Request title:

TIPS adaptations to CRDM for T2-T2S Consolidation</td><td>Name of Central Bank:

4CB</td><td colspan="2">Request ref. no:

TIPS 0023 SYS</td></tr>
<tr><td colspan="4" align="center">Categorisation of changes</td></tr>
<tr><td colspan="2">1. Functional/technical importance parameter: Medium</td><td colspan="2">4. Legal importance parameter: Low</td></tr>
<tr><td colspan="2">2. Operational importance parameter: Medium</td><td colspan="2">5. Financial importance parameter: Medium</td></tr>
<tr><td colspan="2">3. Stakeholder importance parameter: Medium</td><td colspan="2"></td></tr>
<tr><td colspan="4">Status: Allocated to a Release</td></tr>
</table>

Description of requested change:

The T2-T2S Consolidation project envisions that in 2021 the Common Reference Data Management (CRDM) common component shall provide features to setup, maintain and query all reference data used by the different Eurosystem Market Infrastructure services. A first version of the CRDM, named CRDM^{TIPS}, was developed to support the maintenance of the reference data necessary for TIPS; CRDM^{TIPS} was built as an enhancement of today's T2S Static Data Management (SDMG).

With the go-live of T2-T2S Consolidation, CRDM will be further enhanced to cover the reference data requirements for the Central Liquidity Management (CLM) and Real-Time Gross Settlement (RTGS) components of the future T2 Service, as well as for the new Billing and Business Day Management common components that will replace respectively the current T2S Billing and Scheduling modules.

This reference data will make use of the Service concept introduced with CRDM^{TIPS}. This concept allows to partition and reuse data based on the Service and component it is relevant for; for example, a Party needs only to be defined once, and linked to CLM and RTGS in order to be available in both CLM and RTGS.

To clarify the overall framework and the differences between the full scope of CRDM and the current CRDM^{TIPS}, this section first focuses on the scope of CRDM for the new Services/components, and then provides detailed information on the design and implementation approach that was adopted in order to identify all the detailed changes to be performed.

1. CRDM reference data for T2-T2S Consolidation

The new Services/components require a set of functions to setup, maintain and display their reference data. More in detail, the following reference data objects that are already used by TIPS Actors in CRDM^{TIPS} will also need to be setup, maintained and queried by T2-T2S Consolidation users:

Change Request form

Table 1 – Reference Data Objects impacted by T2-T2S Consolidation

AREA	OBJECT	RESPONSIBLE ACTORS[1]
Party	Party	Operator, CB
	Party Service Link	Operator, CB
Cash account	Cash Account	CB
	Limit	CB, Payment Bank
	Authorised Account User	CB, Payment Bank
	Account Monitoring Group	CB, Payment Bank
Access rights management	User	All
	Role	Operator, CB
	Privilege	Operator
	Certificate DN	All
	User-Certificate DN Link	All
Message subscription configuration	Message Subscription Rule	CB, Payment Bank
	Message Subscription Rule Set	CB, Payment Bank
Network configuration	Routing	CB
	Network Service	Operator
	Technical Address Network Service Link	CB
	DN-BIC Routing	CB, Payment Bank
Report configuration	Report Type	Operator
	Report Configuration	All
Restriction type management	Restriction Type	Operator
Configuration parameters	Country	Operator
	Currency	Operator
	System Entity	Operator
	BIC Directory	Operator
	Service	Operator
	Currency Service Link	Operator

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1   "All" indicates that all types of CRDM Actors (Operator, CBs, Payment Banks) have the ability to manage the object type.

Change Request form

CLM and RTGS will receive the relevant data from CRDM in a daily propagation, similarly to TIPS.

2. Design and implementation approach

The design and the implementation of CRDM for T2-T2S Consolidation follows the same approach that was adopted for CRDM for TIPS.

In short, for each reference data object/function considered, one of the following implementation approaches is applied:

- Reuse: the *as-is* object/function can be fully reused to get to the *to-be* object/function (no software change is needed).
- Integration: the *as-is* object/function has to be enhanced to get to the *to-be* object/function.
- New development: the *to-be* object/function has to be developed from scratch.

The following table provides the list of reference data objects relevant to TIPS and the type of impact each of them will undergo:

Table 2 – T2-T2S Consolidation Impacted Reference Data Objects

AREA	OBJECT	TYPE OF IMPACT
Party	Party	Integration (Direct Change)
	Party Service Link	Integration (Direct Change)
Cash account	Cash Account	Integration (Direct Change)
	Limit	Integration (Direct Change)
	Authorised Account User	Integration (Direct Change)
	Account Monitoring Group	New
Access rights management	User	Reuse
	Role	Reuse
	Privilege	Integration (Direct Change)
	Certificate DN	Reuse
	User-Certificate DN Link	Integration (Direct Change)
Message subscription configuration	Message Subscription Rule	Integration (Direct Change)
	Message Subscription Rule Set	Integration (Direct Change)
Network configuration	Routing	Reuse
	Network Service	Integration (Direct Change)
	Technical Address Network Service Link	Reuse
	DN-BIC Routing	Integration (Direct Change)
Report configuration	Report Type	Reuse
	Report Configuration	Integration (Direct Change)
Restriction type management	Restriction Type	Integration (Direct Change)
Configuration parameters	Country	Reuse
	Currency	Reuse
	System Entity	Reuse
	BIC Directory	Reuse
	Service	Reuse
	Currency Service Link	Reuse

Change Request form

In addition to the changes to the data structures and back-end functions, the U2A and A2A business interface for CRDM will be enhanced to cover the requirements from T2. This will entail the following:

- Changes to the existing CRDM^TIPS GUI screens, as they will cover a broader spectrum of data including T2 object types;
- The introduction of an A2A channel for CRDM^TIPS, allowing to manage certain objects;
- Impact on the A2A message schemas used by TIPS (e.g. for managing Limits);
- Extended visibility of CRDM data, which will include data not strictly related to TIPS (e.g. T2 Cash Accounts).

The following sections describe in detail the type of impact and any potential implication on the concerned TIPS Actors.

Party reference data

The concept of Service defined for TIPS will be extended to include CLM and RTGS, to allow a Party that wishes to participate in multiple Services/components to be defined only once in the database.

In a nutshell, each Central Bank shall be able to link any of their Parties (defined as Payment Bank) to one or multiple Services (e.g. T2_CLM, T2_RTGS).

The detailed list of impacts related to the reference data objects of the Party area is reported hereunder.

Party

Type of Impact	*Integration (Direct Change)*
Impact on the software	An optional attribute to store the Legal Entity Identifier (LEI) will be added to the Party object. A new optional minor entity, "Party Contact" will be added to the Party object to store contact items for each Party. A new Party Type for Ancillary System Parties will be added to the possible values. The business rules will be adapted in order to prevent multiple Parties with the same BIC to be linked to CLM/RTGS simultaneously, similarly to what is implemented for TIPS. The A2A messages used for managing Parties in TIPS (for blocking and unblocking) will be aligned to the registered ISO versions
Impact on the data	Parties already existing in CRDM^TIPS will continue being used for TIPS without any change. New Parties may be created for other Services, if a financial institution participating in CLM/RTGS does not exist today as a Party in T2S or CRDM TIPS.
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	Each Party BIC will identify a single Party in CLM/RTGS. Therefore CRDM users may encounter specific validation errors if attempting to modify the BIC of a Party that is linked to CLM/RTGS into another BIC which also happens to identify another Party linked to CLM/RTGS over the same period of time. As of today, in CRDM there are no couples of Payment Banks that are defined with the same BIC within two different CBs; therefore the above mentioned additional constraint is not expected to imply any side effect on the Payment Banks currently existing in CRDM. Parties not specifically linked to the TIPS Service will not be propagated to TIPS. A2A message schemas for reda.016 and reda.022 will be aligned to the registered ISO versions.

Change Request form

Party Service Link

Type of Impact	*Integration (Direct Change)*
Impact on the software	The Party Service Link object introduced for TIPS will be extended to cover links to CLM and RTGS as well. Additional optional attributes will store configuration parameters specific to CLM, RTGS and Billing in order to avoid additional impact on the Party object itself. In other words, when defining links to CLM and RTGS the responsible Party will also set values for CLM/RTGS-specific attributes. New Service Party Types will be defined for CLM/RTGS. Business rules will be amended in order to check the consistency of Service Party Type and Party Type, as well as to allow multiple Party Service Links per Party for CLM/RTGS (with different Service Party Types).
Impact on the data	New Party Service Links will be put in place for CLM and RTGS. The Party Service Link object shall include one or more instances for each Central Bank or Payment Bank participating in CLM and/or RTGS.
Concerned CRDM Actors	*Central Bank*
Implications for CRDM and TIPS Actors	The new interface will allow TIPS Actors to create, maintain and display Party Service Links to CLM and RTGS for Parties under their responsibility, including the new additional attributes specific to the new components. CRDM users may encounter new validation errors when attempting to configure such attributes incorrectly; regardless, these new attributes will not be relevant for TIPS. TIPS itself will not use data related to CLM or RTGS Party Service Links.

Cash Account reference data

New Cash Account types will be defined for CLM/RTGS. This will also allow to immediately link each Cash Account to the relevant Service. CLM/RTGS specific attributes will be stored in a new optional minor entity under the Cash Account object in order to avoid impact on the main object.

The Limit object will cover the Standing Order for Limit foreseen in CLM/RTGS.

Authorised Account User, introduced for TIPS, will be enhanced to cover multiple business scenarios.

Cash Account

Type of Impact	*Integration (Direct Change)*
Impact on the software	New Cash Account types will be introduced for CLM/RTGS. New attributes specific to CLM/RTGS will be stored in a new minor entity named "Account Configuration". These will include reserve management and co-management data. These attributes will be available/required depending on the Cash Account Type. Reserve management data, for example, will be set up also for TIPS Accounts. A new "Linked Account Type" field will allow to choose whether to link a Cash Account to another Cash Account or to an External RTGS Account. This option is only available for T2S, in order to allow T2S Dedicated Cash Accounts to be linked to T2 (CLM) accounts or to other RTGS systems' accounts. The linked account field is used in TIPS CMBs to indicate the related TIPS Account; configured data for TIPS will remain valid. Business rules will be amended in order to perform consistency checks between the Cash Account type and the selected owner Service Party Type. Business rules will additionally be put in place to check the consistency of Party and Account data set up for Ancillary System Parties.
Impact on the data	Cash Accounts already existing in CRDM^{TIPS} will continue being used by TIPS. A data migration activity will set the "Linked Account Type" for TIPS CMBs to the default value in order to ensure proper functioning with the new business interface. Additional data may have to be configured in order to ensure the smooth usage of these accounts by T2, for example for Reserve Management purposes.

Change Request form

	New Cash Accounts will be created for CLM/RTGS, using the new Cash Account Types. If Parties participate in multiple Services, they will be defined as account owners of different types of accounts.
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	The new account types (and new business rules) will only be visible and usable for Parties who participate in CLM/RTGS. CBs responsible for TIPS Accounts may have to configure additional data for TIPS Accounts to be used in CLM.

Limit

Type of Impact	*Integration (Direct Change)*
Impact on the software	The Limit object shall cover the requirements for the object labelled "Standing Order for Limit" in the T2-T2S Consolidation user requirements. New limit types will be defined in order to distinguish Limits to be applied to CLM/RTGS cash accounts. New attributes will be defined to cover the user requirements. New business rules will be put in place in order to ensure the consistency of data with these new Limit types. The Limit type code used so far in A2A messages for TIPS CMB limits ('BILI') will be replaced by a new code ('INBI') to avoid overlapping data, since the code is the same used for T2 Bilateral Limits. The A2A message schema for maintaining and querying Limits will be aligned to the registered ISO version; the main change will entail the use of a different limit type code.
Impact on the data	Limits already existing in CRDM^{TIPS} will continue being used for TIPS; an automatic migration activity will change the limit type code to INBI in the internal data, with no visible impact for the users. New Limits will be created for CLM/RTGS Cash Accounts (identified by the new Cash Account Types).
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	CRDM Actors will be able to see and possibly manage Limit data for non-TIPS Accounts if they participate in CLM/RTGS. Non-TIPS limits will not be propagated to TIPS. The limit type code used in message schema for camt.011 for TIPS and CRDM^{TIPS} will be changed and the camt.011 schema will be aligned to the registered ISO version

Authorised Account User

Type of Impact	*Integration (Direct Change)*
Impact on the software	The Authorised Account User object was introduced in CRDM^{TIPS} and represents a relationship between a Cash Account and a BIC. It will be enhanced to cover also requirements from CLM/RTGS. A new "participation type" attribute will allow to use the Authorised Account User object for multiple purposes, including the definition of Account BICs, Multi Addressee BICs, Addressable BICs and indirect participants on CLM/RTGS Cash Accounts. The participation type attribute will not be used for TIPS Accounts.
Impact on the data	No impact on CRDM^{TIPS} data.
Concerned CRDM Actors	*Central Bank, Payment Bank*

Change Request form

Implications for CRDM and TIPS Actors	CRDM Actors will be able to see and possibly manage Authorised Account User data for non-TIPS Accounts if they participate in CLM/RTGS.
	Authorised Account User data for non-TIPS Accounts will not be used by TIPS.

Account Monitoring Group

Type of Impact	*New*
Impact on the software	The Account Monitoring Group object will be developed specifically for CLM/RTGS. It will define clusters of Cash Accounts to be viewed collectively for liquidity management purposes. It will be possible to include TIPS Accounts in an Account Monitoring Group.
Impact on the data	No impact on CRDM^{TIPS} data.
Concerned T2S Actors	*Central Bank*
Implications for T2S Actors	CRDM Actors will be able to see and possibly manage Account Monitoring Group data if they participate in CLM/RTGS. TIPS Accounts may also be included in Account Monitoring Groups. New CRDM validation errors in TIPS Account close/delete operations may appear if the TIPS Account is part of an Account Monitoring Group.
	Account Monitoring Group data will not be used by TIPS.

Access Rights Management

The access rights model for CLM/RTGS will follow the one in place in TIPS. As established for TIPS, it will not be possible to create Roles containing Privileges that refer to different Services, and it will not be possible to grant CLM/RTGS privileges directly to Users/Parties, but only through Roles.

User

Type of Impact	*Reuse*
Impact on the software	No change is foreseen on the User object.
Impact on the data	New Users may be created in order to link the Distinguished Names that need to connect to CLM/RTGS and the relevant Access Rights Privileges/Roles.
	The following two scenarios may be put in place:
	• A Party already existing in CRDM and operating in TIPS may reuse the same Users already existing and grant them with the additional Roles that will be defined for CLM/RTGS. In this way, the same User (i.e. the same application or physical person) may trigger functions belonging both to T2S and to CLM/RTGS.
	• A Party, even if already existing in CRDM and operating in TIPS, may setup dedicated Users and grant them only with the Roles that will be defined for CLM/RTGS. In this way, the Party would segregate their Users so they can either trigger functions belonging to TIPS or to CLM/RTGS.
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	In the second scenario described above, party administrators of TIPS Parties would also be able to set up Users that may only operate in CLM/RTGS.

Role

Type of Impact	*Reuse*
Impact on the software	No changes in the software.

Change Request form

Impact on the data	Roles already existing in CRDM^{TIPS} are not impacted.
	A new set of predefined roles will be proposed/defined by the Eurosystem that will contain new roles for CLM and RTGS and possibly some adjusted roles for T2S, TIPS and CRDM.
Concerned CRDM Actors	*Central Bank*
Implications for CRDM and TIPS Actors	Party administrators of Central Banks and Payment Banks will also see pre-defined Roles for CLM/RTGS.

Privilege

Type of Impact	*Integration (Direct Change)*
Impact on the software	A new business rule shall prevent granting privileges related to CLM/RTGS directly to users or parties (because in CLM/RTGS, as in TIPS, Privileges shall be granted to Roles only and, in turn, Users and Parties shall be granted with Roles only).
Impact on the data	Privileges shall be partitioned according to the Service they belong to. Privileges already existing CRDM are not impacted.
	New Privileges (related to CLM/RTGS) will be created.
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	Party administrators of Central Banks and Payment Banks will also see CLM/RTGS Privileges.

Certificate DN

Type of Impact	*Reuse*
Impact on the software	No changes in the software.
Impact on the data	Certificate DNs already existing in CRDM are not impacted.
	New Certificate DNs may be created in case a Central Bank or a Payment Bank uses dedicated Certificate DNs to connect to CLM/RTGS.
Concerned CRDM Actors	*None*
Implications for CRDM and TIPS Actors	None.

User-Certificate DN Link

Type of Impact	*Reuse*
Impact on the software	No changes in the software.
Impact on the data	Depending on the approach selected for Users and Certificate DNs (see User table and Certificate DN table above), the following two scenarios may be put in place:

Change Request form

	• If new Users or new Certificate DNs have been created, then the User Certificate DN Links already existing in CRDM are not impacted. New User Certificate DN Links will be created. • If Users and Certificate DNs already existing in CRDM need to be used for operating in CLM/RTGS as well, then the Users will receive the relevant privileges and keep using the existing User Certificate DN Links.
Concerned CRDM Actors	***Central Bank, Payment Bank***
Implications for CRDM and TIPS Actors	None.

Message subscription configuration

New message types and parameter types will be introduced to cover the CLM/RTGS subscription requirements. In addition, Rule Sets will be directly linked to the relevant Service.

Message Subscription Rule Set, Message Subscription Rule

Type of Impact	***Integration (Direct Change)***
Impact on the software	New message types and parameter types will be set up specifically for CLM/RTGS, Billing and Business day management. Rule sets will be segregated by Service. New business rules will be put in place to check the consistency in the combinations of parameter types used.
Impact on the data	Message Subscription Rules and Rule Sets already existing in CRDM are not impacted. An automatic data migration activity will set the Service attribute to "TIPS" for existing TIPS rule sets in order to ensure the correct functioning of the new CRDM business interface, without any discernible effect for the users. New Message Subscription Rules and Rule Sets for CLM/RTGS will be created, in order to subscribe for messages related to CLM/RTGS.
Concerned CRDM Actors	***Central Bank, Payment Bank***
Implications for CRDM and TIPS Actors	CRDM users will also be able to create, maintain and query Message Subscription data related to CLM/RTGS if they participate in the relevant Service/component. CLM/RTGS data will not be used by TIPS.

Network configuration

New Network Services for CLM/RTGS will be defined. Default routing will be used to define the single Party technical address to be used by CLM/RTGS for sending push notifications. In addition, a single Conditional routing may be put in place to identify an additional technical address per party for the receipt of the General Ledger file.

Routing

Type of Impact	***Reuse (Introduced with TIPS CR 0010)***
Impact on the software	The Routing object is introduced to CRDM for TIPS with TIPS CR 0010.
Impact on the data	Additional Routing configurations will be put in place for CLM/RTGS.
Concerned CRDM Actors	***Central Bank, Payment Bank***

Change Request form

Implications for CRDM and TIPS Actors	Parties which participate in multiple Services will also be able to view and possibly maintain Routing Configurations for CLM/RTGS. CLM/RTGS Routing configurations will not be used by TIPS.

Network Service

Type of Impact	*Reuse*
Impact on the software	No impact. The Service attribute introduced for TIPS will be used also for CLM/RTGS.
Impact on the data	New Network Services will be set up specifically for CLM/RTGS.
Concerned CRDM Actors	*Central Bank*
Implications for CRDM and TIPS Actors	Parties which participate in multiple Services will also be able to view Network Services for CLM/RTGS. CLM/RTGS data will not be used by TIPS.

Technical Address Network Service Link

Type of Impact	*Reuse*
Impact on the software	No impact.
Impact on the data	Technical Address Network Service Links already existing in CRDM are not impacted. New Technical Address Network Services Links (related to CLM/RTGS) will be created.
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	Parties which participate in multiple Services will also be able to view and possibly maintain Technical Address Network Service Links for CLM/RTGS. CLM/RTGS data will not be used by TIPS.

DN-BIC Routing

Type of Impact	*Integration (Direct Change)*
Impact on the software	Business Rules will be amended in order to allow linking DNs to BICs defined in the new types of Authorised Account User (e.g. for multi-addressee BICs). For these types of links, it will not be required to also link the DN to a User of the relevant Party. In addition, a new business rule will prevent the definition of DN-BIC Routing for Addressable BICs.
Impact on the data	No impact on CRDM^{TIPS} data.
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	Parties which participate in multiple Services will also be able to view and possibly maintain DN-BIC Routing data for CLM/RTGS. CLM/RTGS data will not be used by TIPS.

Change Request form

New Report Types will be defined for CLM/RTGS. At Report Configuration level, it will be possible to define a Cash Account for these new Report Types in order to allow the subscription of reports at account level.

Report Type

Type of Impact	*Reuse*
Impact on the software	No changes in the software.
Impact on the data	The attribute domain currently storing Report Types will be enhanced with additional report types for CLM/RTGS.
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	Parties which participate in multiple Services will also be able to view Report Types for CLM/RTGS. CLM/RTGS data will not be used by TIPS.

Report Configuration

Type of Impact	*Integration (Direct Change)*
Impact on the software	The Report Configuration object covers the Report Subscription described in the T2-T2S Consolidation user requirements. An additional attribute will be defined in order to specify a Cash Account for CLM/RTGS reports, therefore making it possible to subscribe to certain reports for CLM/RTGS on Cash Account level. Business rules will be adapted accordingly.
Impact on the data	Report Configurations already existing in CRDM^{TIPS} are not impacted. New Report Configurations (related to CLM/RTGS) will be created.
Concerned CRDM Actors	*Central Bank, Payment Bank*
Implications for CRDM and TIPS Actors	Parties which participate in multiple Services will also be able to view and possibly maintain Report Configurations for CLM/RTGS. CLM/RTGS data will not be used by TIPS.

New Restriction Types will be defined by the Operator and used for blocking CLM/RTGS cash accounts.

Restriction Type

Type of Impact	*Reuse*
Impact on the software	The Service attribute introduced for TIPS will be used for CLM/RTGS as well.
Impact on the data	Restriction Types already existing in CRDM^{TIPS} are not impacted and will not require any kind of migration operation.

Change Request form

	New Restriction Types (related to CLM/RTGS) will be created by the Operator in order to allow blocking CLM/RTGS Cash Accounts.
Concerned CRDM Actors	***Central Bank, Payment Bank***
Implications for CRDM and TIPS Actors	Parties which participate in multiple Services will also be able to view and possibly maintain Restriction Types for CLM/RTGS. CLM/RTGS data will not be used by TIPS.

Configuration parameters

The following objects are fully reused, both from a software viewpoint and in terms of data:

- Country
- Currency
- System Entity
- BIC Directory
- Service
- Currency Service Link

Therefore, there will be no implications for any TIPS Actors for the above listed objects.

3. List of impacted interfaces

The above-listed changes to the various CRDM reference data objects will also entail impact on the related GUI screens as well as the introduction of an A2A channel for the management of CRDM objects for TIPS. Impact on the messages used in TIPS is described on a per-object basis in the tables above.

TABLE 3 – CRDM^{TIPS} INTERFACES

OBJECT	GUI SCREENS	A2A MESSAGES
Party	Parties – Search/List Screen Party – Details Screen Party – New/Edit Screen	reda.014 PartyCreationRequest reda.015 PartyQuery reda.016 PartyStatusAdvice reda.017 PartyReport reda.022 PartyModificationRequest reda.031 PartyDeletionRequest reda.042 PartyAuditTrailQuery reda.043 PartyAuditTrailReport
Party Service Link	Party Service Link – Search/List Screen Party Service Link – New/Edit Screen	
Cash Account	Cash Accounts – Search/List Screen Cash Account – Details Screen Cash Account – New/Edit Screen	acmt.007 AccountOpeningRequest acmt.010 AccountRequestAcknowledgement acmt.011 AccountRequestRejection acmt.015 AccountExcludedMandateMaintenanceRequest acmt.019 AccountClosingRequest acmt.025 AccountQueryList reda.039 CashAccountAuditTrailQuery reda.040 CashAccountAuditTrailReport
Limit	Limits – Search/List Screen Limit – New/Edit Screen	camt.011 ModifyLimit camt.012 DeleteLimit

Change Request form

		camt.025 Receipt
Authorised Account User	Authorised Account User – Search/list Screen Authorised Account User – New/Edit Screen	
User	Users – Search/List Screen User – Details Screen User – New/Edit Screen	
Role	Roles – Search/List Screen Role – New/Edit Screen Grant/Revoke System Privilege – Details Screen Grant/Revoke System Privilege – New/Edit Screen Grant/Revoke System Privileges – Search Screen Grant/Revoke Roles – Search/List Screen Grant/Revoke Role – Details Screen Grant/Revoke Role – New/Edit Screen	
Certificate DN	Certificate Distinguished Names – Search/List Screen Certificate Distinguished Names – New Screen	
User-Certificate DN Link	User Certificate Distinguished Name Links – Search/List Screen User Certificate Distinguished Name Link – New Screen	
Message Subscription Rule	Message Subscription Rule – New Screen	
Message Subscription Rule Set	Message Subscription Rule Set – Details Screen Message Subscription Rule Sets – Search/List Screen Message Subscription Rule Set – New/Edit Screen	
Routing	Routing – Search/List Screen Routing – New/Edit Screen	
Technical Address Network Service Link	Technical Addresses Network Services Link – Details Screen Technical Addresses Network Services Link – New/Edit Screen	
DN-BIC Routing	Distinguished Name-BIC Routing – Search/List Screen Distinguished Name-BIC Routing – New/Edit Screen	
Report Configuration	Report Configurations – Search/List Screen	

Change Request form

	Report Configuration – Details Screen	
	Report Configuration – New/Edit Screen	
Restriction Type	Restriction Types – Search/List Screen	

Reason for change and expected benefits/business motivation:

The above listed changes can be summarized in the following points:

- Extension of CRDM data model in order to cover the CLM/RTGS/Common Components requirements;

- Enhancement of existing functionalities for maintenance of CRDM data objects to cover CLM/RTGS/Common Components requirements;

- Enhancement of CRDM business interface to cover T2 requirements, including visibility of new data and new A2A channel for CRDM^{TIPS};

- New business rules implemented/existing business rules amended to ensure data consistency.

The impact and representation of the above changes on the TIPS scope-defining documentation will be subject to further clarification during the CR detailed assessment phase.

Submitted annexes / related documents:

Proposed wording update to the documentation to address the requested change:

CRDM-TIPS UDFS and UHB will be incorporated and replaced by the broader CRDM UDFS and UHB, which include information covering T2 (RTGS and CLM) as well as TIPS. This will include the implementation of a fully-fledged A2A channel for CRDM-TIPS with the consequent removal of the limitation described in CRDM-TIPS UDFS section 1.7.1 "A2A Channel".

The exact changes to the scope defining documentation will be detailed depending on the CRDM documentation version that the CRDM-TIPS documentation is aligning to.

TIPS UDFS and UHB will undergo editorial changes to amend the references to "CRDM-TIPS" documentation into "CRDM" documentation.

High level description of Impact:

The existing CRDM-TIPS GUI interface will be aligned to the broader CRDM one, covering also CLM and RTGS (and eventually T2S) reference data. Users with the correct authorizations will be able to view T2 data alongside their TIPS data in CRDM.

A fully-fledged A2A channel will be established for CRDM-TIPS in line with what is foreseen on CRDM-T2 side.

Business validations will be adapted in order to guarantee data consistency between TIPS and T2.

Outcome/Decisions:

Change Request form

L3 analysis - General Information	
Impact on TIPS	
Business Interface	
X	A2A Interface
	U2A Interface
Settlement Engine	
	Payment Transaction
	Liquidity Transfer
	Recall
Queries and Reports	
	Queries
	Reports
Common Components	
	ESMIG
X	CRDM
	Archiving
	Billing
	DMT
Operational Tools	
	SLA Reporting
	TMS
	Technical Monitoring
	Change Management
	Capacity Management
Infrastructure request	

Change Request form

	Application components impacted
	Application components not impacted
Operational activities	
	Business activities impacted
	Technical activities impacted
New functionalities	

Impact on documentation		
Document	**Chapter**	**Change**
CRDM UHB (formerly CRDM-TIPS UHB) CRDM UDFS (formerly CRDM-TIPS UDFS)		General CRDM scope-defining documents to replace CRDM-TIPS documentation.
TIPS UDFS TIPS UHB		Editorial changes to references "CRDM" documentation rather than "CRDM-TIPS"
Training documentation		
Other documents		

Overview of the impact of the request on TIPS (L2 view)

Change Request form

Summary of functional, development, infrastructure, operational and security impacts

Summary of functional impact:

CRDM scope defining documents will replace CRDM-TIPS ones.

A2A channel will be open to CRDM-TIPS users.

TIPS data will be visible in the CRDM interface alongside T2 data.

Business validations will be adapted in order to guarantee data consistency between TIPS and T2.

Support for the migration of data related to the CRDM entities (e.g. Cash Account, Limit, etc).

For what concerns the impact on the TIPS A2A interface, the current limit type code used so far in A2A messages for TIPS CMB limits ('BILI') will be replaced by a new code ('INBI') to avoid overlapping data, since the code is the same used for T2 Bilateral Limits.

Summary of application development impact:

Data extracted from TIPS must exclude new information not needed.

Summary of infrastructure impact:

No infrastructure impact.

Summary of operational impact:
No operational impact.

Summary of security impact:

See Change Request analysis.