



EUROPEAN CENTRAL BANK

EUROSYSTEM

General Information (Origin of Request)		
<input type="checkbox"/> User Requirements (URD)		
<input checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
Request raised by: Eurosystem	Institute: 4CB	Date raised: 15/08/2019
Request title: Common Reference Data Management for T2-T2S Consolidation – Modified Objects		Request ref. no: T2S-0719-SYS
Request type: Common	Classification: Maintenance	Urgency: Normal
1. Legal/business importance parameter: Medium		2. Market implementation efforts parameter: Low
3. Operational/Technical risk parameter: Medium		4. Financial impact parameter: No financial impact
Requestor Category: Eurosystem		Status: Implemented

This Change Request is one of the T2S Change Requests related to the T2-T2S Consolidation Project. The tentative distribution of these Change Requests per functional area and T2S release is summarised in the table below (as of 27 September 2019):

	R4.0 (Jun 2020)	R4.2 (Nov 2020)	R5.0 (Jun 2021)	R5.2 (Nov 2021)	R6.0 (Jun 2022)	R6.2 (Nov 2022)
					T2S>ESMIG	
ESMIG (Connectivity)					CR-701	
CRDM (Reference data)	CR-719	CR-721	CR-704 CR-696		CR-705	
BILL (Billing)				CR-697	CR-706	
BDM (Business day)		CR-698			CR-707	
DWH (Historical data)					CR-699	
LEA (Legal archiving)					CR-700	
T2-T2S communication		CR-702 (ICL) CR-703 (camt.050)	CR-729			CR-734
Liquidity management			CR-708 (Outbound LT) CR-709 (Cash sweep)			
Maintenance window			CR-710			

Reason for change and expected benefits/business motivation:

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). The impact on T2S stemming from these changes is described in T2S Change Request 674. Additional changes are required in order to accommodate 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. In order to ensure backwards compatibility with T2S, no specific link to T2S is foreseen for the time being.

The implementation of the fully-fledged CRDM and its impact on T2S will take place over three successive steps, each introducing a new set of reference data objects with their related maintenance functions and business interfaces to CRDM. Reference data objects are assigned to a specific lot based on the type of impact on the T2-T2S Consolidation project and on the T2S side. The set of CRDM reference data objects will be partitioned according to the following rationale (subject to confirmation by the pertinent detailed assessments):

1. Existing T2S objects that are modified in T2-T2S Consolidation (the subject of this CR);
2. Existing T2S objects that are reused without any changes in T2-T2S Consolidation;
3. New objects developed specifically for T2-T2S Consolidation, not used by T2S.

In addition to this basic logic, each lot will also contain any additional reference data objects that are strictly necessary to allow the proper functioning of objects that are included in the lot.

As of the T2-T2S Consolidation go-live, objects that are specific to T2S and not used in T2-T2S Consolidation (notably the objects managed by CSDs and their participants) will still be exclusively available in T2S. The final step will entail the coverage of these objects in T2-T2S Consolidation and the decommissioning of the related interfaces from T2S.

To clarify the overall framework and the differences between the full scope of CRDM and the current T2S SDMG, 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, users will need to setup, maintain and query the following reference data objects:

TABLE 1 – T2-T2S CONSOLIDATION REFERENCE DATA OBJECTS AND RESPONSIBLE ACTORS

AREA	OBJECT	RESPONSIBLE ACTORS ¹
Party	Party	Operator, CB
	Party Service Link (<i>non-T2S</i>)	Operator, CB
	Banking Group (<i>non-T2S</i>)	CB
	Ancillary System Procedure (<i>non-T2S</i>)	CB
	Ancillary System Bilateral Agreement (<i>non-T2S</i>)	CB
Cash account	Cash Account	CB
	Liquidity Transfer Order	CB, Payment Bank
	Limit	CB, Payment Bank
	Authorised Account User (<i>non-T2S</i>)	CB, Payment Bank
	Account Monitoring Group (<i>non-T2S</i>)	CB, Payment Bank
	Liquidity Transfer Group (<i>non-T2S</i>)	CB
	Settlement Bank Account Group (<i>non-T2S</i>)	CB
	Direct Debit Mandate (<i>non-T2S</i>)	CB, Payment Bank
Standing Order for Reservation (<i>non-T2S</i>)	CB, Payment Bank	
Access rights management	User	All

¹ "All" indicates that all types of T2S Actors (T2S Operator, CSDs, CBs, Payment Banks and CSD Participants) have the ability to manage the object type.

	Role Privilege Certificate DN User-Certificate DN Link	Operator, CB Operator All All
Message subscription configuration	Message Subscription Rule Message Subscription Rule Set	CB CB
Network configuration	Routing Network Service Technical Address Network Service Link DN-BIC Routing (<i>non-T2S</i>)	CB Operator CB CB, Payment Bank
Report configuration	Report Type Report Configuration	Operator All
Scheduling configuration	Event Type Operating Day Type Closing Day	Operator Operator Operator
Restriction type management	Restriction Type	Operator
Billing configuration	Service Item	Operator
Configuration parameters	Country Currency System Entity BIC Directory Service (<i>non-T2S</i>) Currency Service Link (<i>non-T2S</i>)	Operator Operator Operator Operator Operator Operator

CLM and RTGS will receive the relevant data from CRDM in a daily propagation. A functionality for the Operator shall also be available in order to trigger the daily propagation of reference data upon request in case of contingency.

The propagation of reference data from CRDM to CLM/RTGS (and never vice versa) is the only operational link between the two services. This link is not expected to create any issue for either service. In fact:

- From a T2S viewpoint, the propagation process will be fully decoupled from all other processes and events of the T2S Settlement Day. Therefore, any possible issue concerning this process will not cause any stop or delay of T2S operations. Also, even in case of unavailability of CLM/RTGS, the propagation process on the CRDM side will complete successfully and without any impact on T2S operations.
- From a CLM/RTGS viewpoint, the unavailability of CRDM would prevent the possibility to propagate reference data to CLM/RTGS or may cause a delay in such propagation. In this scenario, there would be an operational impact on CLM/RTGS, consisting in the need to continue operations without new reference data or reference data changes that were supposed to become active in CLM/RTGS with the new business day.

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.

Description of requested change:

As documented in section **1.6.3.3.1 – Static data objects** of the UDFS, the functional scope of SDMG can be conceptually partitioned into the following areas:

- Party
- Securities
- Securities Account
- T2S Dedicated Cash Account
- Access Rights Management
- Message Subscription Configuration
- Network Configuration
- Report Configuration
- Attribute Domain Management
- Scheduling Configuration
- Market-Specific Attribute Configuration
- Restriction Type Management
- Conditional Securities Delivery Configuration
- Billing Configuration
- Configuration Parameters

According to the above described high-level functional gap analysis and technical implementation analysis, CLM/RTGS require CRDM to cover the following subset of SDMG/CRDM areas:

- Party
- Cash Account
- Access Rights Management
- Message Subscription Configuration
- Network Configuration
- Report Configuration
- Scheduling Configuration
- Restriction Type Management
- Billing Configuration
- Configuration Parameters

Focusing on this limited subset of SDMG/CRDM areas and with specific reference to the static data objects falling in the scope of CRDM, the following table (see also **table 142** in section **1.6.3.3.1 – Static data objects** of the UDFS) provides the exhaustive list of relevant static data objects and the type of impact each of them will undergo:

TABLE 2 – T2-T2S CONSOLIDATION REFERENCE DATA OBJECTS AND IMPACT RELATIVE TO T2S

AREA	OBJECT	TYPE OF IMPACT
Party	Party Party Service Link (<i>non-T2S</i>) Banking Group (<i>non-T2S</i>) Ancillary System Procedures (<i>non-T2S</i>) Ancillary System Bilateral Agreement (<i>non-T2S</i>)	Integration (Direct Change) Reuse New New New
Cash account	Cash Account Liquidity Transfer Order Limit Authorised Account User (<i>non-T2S</i>) Account Monitoring Group (<i>non-T2S</i>) Liquidity Transfer Group (<i>non-T2S</i>) Settlement Bank Account Group (<i>non-T2S</i>) Direct Debit Mandate (<i>non-T2S</i>) Standing Order for Reservation (<i>non-T2S</i>)	Integration (Direct Change) Integration (Direct Change) Integration (Direct Change) Integration (Direct Change) New New New New New
Access rights management	User Role Privilege Certificate DN User-Certificate DN Link	Reuse Reuse Integration (Direct Change) Reuse Integration (Direct Change)
Message subscription configuration	Message Subscription Rule Message Subscription Rule Set	Integration (Direct Change) Integration (Direct Change)
Network configuration	Routing Network Service Technical Address Network Service Link DN-BIC Routing (<i>non-T2S</i>)	Reuse Reuse Reuse Integration (Direct Change)
Report configuration	Report Type Report Configuration	Reuse Integration (Direct Change)
Scheduling configuration	Event Type Operating Day Type	Integration (Direct Change) Integration (Direct Change)

	Closing Day	Integration (Direct Change)
Restriction type management	Restriction Type	Reuse
Billing configuration	Service Item	Integration (Direct Change)
Configuration parameters	Country	Reuse
	Currency	Reuse
	System Entity	Reuse
	BIC Directory	Reuse
	Service (<i>non-T2S</i>)	Reuse
	Currency Service Link (<i>non-T2S</i>)	Reuse

3. Reference Data Objects coverage

Based on the above analysis, this Change Request aims at describing the T2S impact stemming from the deployment of a subset of reference data objects, specifically the ones undergoing changes due to T2-T2S Consolidation (with the exceptions described below) and the additional related objects necessary to ensure their correct functioning.

TABLE 3 – T2S REFERENCE DATA OBJECTS IMPACTED BY T2-T2S CONSOLIDATION

AREA	OBJECT	NOTES
Party	Party Party Service Link (<i>non-T2S</i>)	Party Service Link is required for Cash Account (links to the relevant Services are required to create the new types of Cash Accounts for T2).
Cash account	Cash Account Liquidity Transfer Order Limit Authorised Account User (<i>non-T2S</i>)	Authorised Account User is included due to its strict relationship to Cash Account.
Access rights management	User Role Privilege Certificate DN User-Certificate DN Link	User, Role and Certificate DN are reused objects but they are necessary to fully configure the users and access rights for interacting with CRDM.
Message subscription configuration	Message Subscription Rule Message Subscription Rule Set	
Network configuration	DN-BIC Routing (<i>non-T2S</i>)	DN-BIC Routing is included due to its strict relationship to Authorised Account User (and therefore Cash Account) and Certificate DN.
Report configuration	Report Type Report Configuration	Report Type is required for Report Configuration.

Certain reference data objects, despite being used in T2S and impacted by T2-T2S Consolidation, are not covered by this CR and left for one of the subsequent steps. These objects are the ones related to Scheduling Configuration (Event Type, Operating Day Type, Closing Day) with the addition of Service Item. All of these will be covered in a separate CR due to their exclusive usage by the Operator and (for the Scheduling configuration objects) specific relationship to the Business Day Management common component, in addition to their lack of dependencies with objects covered by this CR.

4. Detailed Reference Data object changes

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

The following sections describe in detail the type of impact and any potential implication on the concerned T2S Actors.

Party reference data

The hierarchical party model existing today in SDMG (see UDFS section 1.2.1.3) will be preserved, with additional Party Types defined specifically for CLM/RTGS. In addition, 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). In order to avoid unnecessary impacts on T2S, by default a Payment Bank defined in the CRDM does not need to be linked to the “T2S” Service in order to operate in T2S.

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.
Impact on the data	Parties already existing in T2S will continue being used for T2S without any change. New Parties may be created for other Services, should a financial institution participating in CLM/RTGS not exist today as a Payment Bank in T2S.
Concerned T2S Actors	Central Bank, Payment Bank
Implications for T2S Actors	Each Party BIC will identify a single Party in CLM/RTGS. Therefore T2S 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. These errors refer to the same Business Rule that was already introduced with CR674 for the same scenario in CRDM ^{TIPS} : <ul style="list-style-type: none"> DPU1350: When performing a Party Update request to change the Party BIC, there cannot be more than one Party with the same BIC linked to the same Service (if the Service is TIPS, T2_CLM or T2_RTGS). As of today, in SDMG 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 T2S. Ancillary System Parties will not be visible in T2S.

Party Service Link

Type of Impact	Reuse
Impact on the software	The Party Service Link object introduced for TIPS was already extended to cover links to CLM and RTGS as well. Additional optional attributes 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 are defined for CLM/RTGS. Business rules check the consistency of Service Party Type and Party Type, as well as allow multiple Party Service Links per Party for CLM/RTGS (with different Service Party Types).
Impact on the	New Party Service Links will be put in place for CLM and RTGS. The Party Service Link

data	object shall include one or more instances for each Central Bank or Payment Bank participating in CLM and/or RTGS.
Concerned T2S Actors	None
Implications for T2S Actors	The Party Service Link object is not visible in T2S.

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.

Cash Account

Type of Impact	<i>Integration (Direct Change)</i>
Impact on the software	<p>New Cash Account types will be introduced for CLM/RTGS.</p> <p>CLM will replace the current TARGET2 for what concerns the provision and sweep of liquidity from/to T2S. In line with this, the current links existing in T2S between T2S Dedicated Cash Accounts and External RTGS Accounts (representing TARGET2 PM Account numbers) will be adapted to accept links to CLM Main Cash Accounts (MCAs) as well. This will entail a migration activity to adapt T2S DCA data.</p> <p>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. They will not be available or required for T2S cash accounts before T2S migrates to T2-T2S Consolidation. 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.</p> <p>Floor and Ceiling target amounts will be stored as new optional attributes, allowing to configure automatic liquidity transfers for CLM/RTGS accounts when the account balance exceeds the floor or ceiling threshold. These attributes will not be available for T2S Cash Accounts.</p>
Impact on the data	<p>Cash Accounts already existing in T2S will continue being used for T2S, possibly by establishing links to the new CLM Main Cash Accounts.</p> <p>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.</p>
Concerned T2S Actors	<i>Central Bank, Payment Bank</i>
Implications for T2S Actors	<p>The new account types (and new business rules) will only be visible and usable for Parties who participate in CLM/RTGS. A significant migration activity may be required, to update the links from T2S DCAs to CLM MCAs.</p> <p>The new business rules will only be relevant for T2 use; it will not be possible to trigger them from the T2S interface.</p>

Liquidity Transfer Order

Type of Impact	<i>Integration (Direct Change)</i>
Impact on the software	<p>The Liquidity Transfer Order object shall cover the requirements for the object labelled "Standing Order" in the T2-T2S Consolidation user requirements.</p> <p>New optional attributes shall be introduced in order to cover the requirements for Standing Order. Depending on the related Cash Account type, these attributes may or may not be visible.</p>
Impact on the data	<p>LTOs already existing in T2S will continue being used for T2S without any change.</p> <p>New LTOs will be created for CLM/RTGS Cash Accounts (identified by the new Cash Account Types).</p> <p>T2S LTOs will not be able to reference non-T2S Events.</p> <p>Non-T2S LTOs will not be visible in T2S.</p>
Concerned T2S Actors	<i>Central Bank, Payment Bank</i>
Implications for T2S Actors	T2S Actors will be able to see and possibly manage LTO data for non-T2S Cash Accounts if they participate in CLM/RTGS.

Limit

Type of Impact	<i>Integration (Direct Change)</i>
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.
Impact on the data	Limits already existing in T2S will continue being used for T2S without any change. New Limits will be created for CLM/RTGS Cash Accounts (identified by the new Cash Account Types).
Concerned T2S Actors	<i>Central Bank, Payment Bank</i>
Implications for T2S Actors	T2S Actors will be able to see and possibly manage Limit data for non-T2S Cash Accounts if they participate in CLM/RTGS. The new business rules will only be relevant for T2 use; it will not be possible to trigger them from the T2S interface.

Authorised Account User

Type of Impact	<i>Integration (Direct Change)</i>
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.
Impact on the data	No impact on T2S data.
Concerned T2S Actors	<i>None</i>
Implications for T2S Actors	The Authorised Account User object will not be visible in T2S.

Access Rights Management

The access rights model for CLM/RTGS will follow the one in place in T2S, with the limitation that it will not be possible to grant CLM/RTGS privileges directly to Users/Parties, but only through Roles. As established for TIPS, it will not be possible to create Roles containing Privileges that refer to different Services.

User

Type of Impact	<i>Reuse</i>
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: <ul style="list-style-type: none"> • A Party already existing in CRDM and operating in T2S 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 SDMG and operating in T2S, 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 T2S or to CLM/RTGS.
Concerned T2S Actors	<i>Central Bank, Payment Bank</i>
Implications for T2S Actors	In the second scenario described above, party administrators of T2S 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.
Impact on the data	Roles already existing in T2S are not impacted. New predefined Roles for CLM/RTGS will be created.
Concerned T2S Actors	Central Bank
Implications for T2S 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 in T2S and CRDM are not impacted. New Privileges (related to CLM/RTGS) will be created.
Concerned T2S Actors	Central Bank, Payment Bank
Implications for T2S Actors	Party administrators of Central Banks and Payment Banks will also see CLM/RTGS Privileges provided they are granted to their Parties or Users; if attempting to grant them, they may also encounter the new business rules (which will use the same references already introduced for CRDM-TIPS in CR674): <ul style="list-style-type: none"> • DRGP019: When performing a Grant Privilege request, Privileges linked to a certain Service cannot be granted to a Role if the Role already contains Privileges linked to a different Service. • DRGP020: When performing a Grant Privilege request, privileges for the TIPS, T2_CLM and T2_RTGS services can only be granted to Roles.

Certificate DN

Type of Impact	Reuse
Impact on the software	No changes in the software.
Impact on the data	Certificate DNs already existing in T2S 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 T2S Actors	None
Implications for T2S Actors	None.

User-Certificate DN Link

Type of Impact	Integration (Direct Change)
Impact on the software	Access rights checks to be amended to allow users of the new Party Type Ancillary System to use the function.
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: <ul style="list-style-type: none"> • If new Users or new Certificate DNs have been created, then the User Certificate DN Links already existing in T2S are not impacted. New User Certificate DN Links will be created. • If Users and Certificate DNs already existing in T2S needs 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 T2S Actors	Central Bank, Payment Bank
Implications for T2S 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	<i>Integration (Direct Change)</i>
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 T2S are not impacted. New Message Subscription Rules and Rule Sets for CLM/RTGS will be created, in order to subscribe for messages related to CLM/RTGS.
Concerned T2S Actors	<i>Central Bank, Payment Bank</i>
Implications for T2S Actors	Message subscription Rule Sets for CLM/RTGS will not be visible in T2S. The new business rules will only be relevant for T2 use; it will not be possible to trigger them from the T2S interface.

Network configuration

The DN-BIC Routing object introduced for TIPS will be enhanced to cover CLM/RTGS requirements.

DN-BIC Routing

Type of Impact	<i>Integration (Direct Change)</i>
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 T2S data.
Concerned T2S Actors	<i>None</i>
Implications for T2S Actors	The DN-BIC Routing object will not be visible in T2S.

Report configuration

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	<i>Reuse</i>
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. Report Configurations for T2S Reports will not be able to reference non-T2S Events. Non-T2S Report Configurations will not be visible in T2S.
Concerned T2S Actors	<i>None</i>
Implications for T2S Actors	Report Types related to CLM/RTGS will not be visible in T2S.

Report Configuration

Type of Impact	<i>Integration (Direct Change)</i>
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 T2S are not impacted. New Report Configurations (related to CLM/RTGS) will be created.
Concerned T2S Actors	Central Bank, Payment Bank
Implications for T2S Actors	Report Configurations related to CLM/RTGS will be not visible in T2S. The new business rules will only be relevant for T2 use; it will not be possible to trigger them from the T2S interface.

Error messages

In addition, error messages explicitly referencing T2S will be made more general (and therefore more meaningful for all services). This editorial change is not expected to have any impact on the applications of T2S Actors or to reduce the intelligibility of the error messages.

Submitted annexes / related documents:

Proposed wording for the Change request:

The impact and representation of the above changes on the T2S scope-defining documentation will be subject to further clarification.

High level description of Impact:

Outcome/Decisions:

- * CRG on the 21 August 2019: The CRG has agreed to recommend CR-719 for authorisation by the T2S Steering Level via a written consultation.
- * AMI-SeCo on 30 August 2019 (wp): The AMI-SeCo agreed to the recommendation of the CRG.
- * NECSG on 30 August 2019 (wp): The NECSG took a resolution to authorise the CR.
- * CSG on 30 August 2019 (wp) : The CSG took a resolution to authorise the CR.
- * MIB on 17 September 2019: The MIB agreed to authorise CR-719.
- * CRG on 30 September 2019: The CRG recommends to the PMG the inclusion of CR-719 in R4.0
- * OMG on 7 October 2019: The OMG identified an operational impact of the inclusion of CR-719 in R4.0.
- * PMG on 15 October 2019: The PMG approved the service transition plan V0.8 for R4.0 including CR-719.
- * CSG on 28 October 2019: The CSG approved of the inclusion of the CR in R4.0.
- * NECSG on 28 October 2019: The NECSG approved the inclusion of the CR in R4.0.
- * MIB on 8 November 2019: The MIB approved of the inclusion of the CR in R4.0.

EUROSYSTEM ANALYSIS – GENERAL INFORMATION

T2S Specific Components		Common Components	
LCMM			
	Instructions validation		
	Status management		
	Instruction matching		
	Instructions maintenance		
	Penalty Mechanism		
Settlement			
	Standardisation and preparation to settlement		
	Night-time Settlement		
	Daytime Recycling and optimisation		
	Daytime Validation, provisioning & booking		
	Auto-collateralisation		
Liquidity Management			
	Outbound Information Management		
	NCB Business Procedures		
	Liquidity Operations		
T2S Interface (as of June 2022 without Static Data Management, Communication for SDMG, Scheduler, Billing)			
	Communication		
	Outbound Processing		
	Inbound Processing		
Static Data Management (until Nov 2021)		Common Reference Data Management (from PROD R5.2 Nov 2021)	
X	Party data management	X	Party data management
	Securities data management		Securities data management
X	Cash account data management	X	Cash account data management
	Securities account data management		Securities account data management
X	Rules and parameters data management	X	Rules and parameters data management
Statistics and archive		Statistics and archive	
	Statistical information (until Nov 2021)		Short term statistical information
	Legal archiving (until Nov 2021)		Legal archiving (from PROD R5.2)
			Data Warehouse (from PROD R5.2)
Information (until June 2022 containing reference data)		CRDM business interface (from PROD R6.0 June 2022)	
	Report management		Report management
	Query management		Query management
			Communication
			Outbound Processing
			Inbound Processing
Operational Services			
	Data Migration (T2S DMT)		Data Migration (CRDM DMT, from PROD R5.2)
	Scheduling (until Nov 2021)		Business Day Management (from PROD R5.2)
			Business Day Management business interface (from PROD R6.0)
	Billing (until June 2022)		Billing (from PROD R5.2)
			Billing business interface (from PROD R6.0)
	Operational Monitoring		Operational and Business Monitoring

Impact on major documentation				
Document	Chapter			Change
Impacted GFS chapter				
Impacted UDFS chapter				
UHB				
Other documentations				
Links with other requests				
Links	Reference		Title	
OVERVIEW OF THE IMPACT OF THE REQUEST ON THE T2S SYSTEM AND ON THE PROJECT				
Summary of functional, development, infrastructure and migration impacts				
<p>The above listed changes can be summarized in the following points:</p> <ul style="list-style-type: none"> • 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; • New business rules implemented/existing business rules amended to ensure data consistency; • Editorial changes to error messages that reference T2S explicitly; <p>In addition, for T2 testing purposes specific CRDM business interface parts will be developed. These will cover, when T2S migrates to T2-T2S Consolidation in R6.0. the current scope of T2S SDMG interfaces, as well as the new objects; existing T2S SDMG interfaces will be decommissioned then</p>				
Summary of project risk				
None.				
Security analysis				
No adverse effect has been identified during security assessment.				