

Change Request form

General Information (Origin of Request)		
<input type="checkbox"/> User Requirements Document (URD)		
<input checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
<input type="checkbox"/> Other TIPS Documentation (OTD)		
(to be filled in by CoG)		
Request raised by: 4CB	Date raised: 30/09/2019	
Request title: TIPS migration to the new CSLD Legal Archiving common component	Name of Central Bank: 4CB	Request ref. no: TIPS 0024 SYS
Categorisation of changes		
1. Functional/technical importance parameter: Low	4. Legal importance parameter: Low	
2. Operational importance parameter: Low	5. Financial importance parameter: Low	
3. Stakeholder importance parameter: Low		
Status: Allocated to a Release		

Description of requested change:

For the interim period between the go-live of TIPS and the go-live of the T2-T2S Consolidation the Legal Archiving service (LAR), developed in compliance with the TIPS User Requirement Document, took care of the acquisition from TIPS and the storage for legal purposes of the information to be legally archived.

The proposed change request aims at adapting TIPS in order to interact with the new Legal Archiving common component (LeA) introduced in the scope of the T2-T2S Consolidation project.

Reason for change and expected benefits/business motivation:

With the go-live of T2-T2S Consolidation the new Legal Archiving common component will be deployed to replace both TARGET2 and T2S Legal Archiving services which are going to be decommissioned. This offers the opportunity to leverage LeA also for TIPS for the sake of harmonisation and reduction of operational costs.

Therefore, the current daily data flows extracted for legal archiving (LAR) after the go-live of T2-T2S Consolidation shall be re-routed to the new LeA common component and maintained for the required period of time. The direct access to legally archived data, exclusively available for the Operator upon request of a customer, will rely on the new LeA interface.

Migration aspects have to be taken into account, e.g. as long as during the interim period between the go-live of TIPS and the go-live of the T2-T2S Consolidation the TIPS transactions to be legally archived

Change Request form

have been stored in the LAR service. For the sake of data consistency, the archived information shall be transferred to the new LeA and kept there for the rest of their retention period.

Finally, the availability of a common component for legal archiving will also allow removing the current limitation documented in section 1.7.3 of the UDFS for CRDM^{TIPS}, consisting in the temporary deactivation of the purging process for all TIPS-related reference data objects.

Submitted annexes / related documents:

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

1) TIPS UDFS v2.1.1 - §1.1 Introduction to the TIPS Service

[...]The Legal Archiving common component, which collects and stores business transaction and reporting data from different Eurosystem services, including TIPS. The Legal Archiving common component stores data in a secure manner and in its original content and format and makes it accessible throughout a predefined retention period.[...]

2) TIPS UDFS v2.1.1 - §1.5.6.1 Raw data for Archiving

TIPS provides the following information to the LeA common component for the Archiving:

- Message signing and content of the settlement messages: FI To FI Customer Credit Transfer, Payment Return, Liquidity transfer, FI To FI Payment Status Report sent from the Beneficiary side to TIPS;
- Transactional data (payment transactions, status messages, liquidity transfers).

3) TIPS UDFS v2.1.1 - §1.6.4 Archiving

The Archiving common component provides features that allow the archiving of legally relevant data for regulatory purposes. Instant Payment transactions, Liquidity Transfers, status message data and reference data are archived for a period of exactly ten years. Authentication and security data are archived for a period of exactly three months. Please refer to ~~1.6.4 “Archiving”~~ 1.7.3 “Archiving Management” for details on how to access archived data.

TIPS produces every day the needed data of payment transaction and status message to be archived. Please refer to 1.5.6 “Raw Data extraction” for additional details.

4) TIPS UDFS v2.1.1 - §1.7.3 Archiving management

[...]The TIPS Operator is responsible for the retrieval of the archived information from LeA upon Central Bank request. The Central Bank can also request the retrieval of archived data on behalf of one of their TIPS Actors.[...]

Change Request form

5) CRDM UDFS v2.1.0 – Removal of the limitation related to §1.7.3 Archiving management

1.7.3 Archiving management

~~CRDM is based on the existing T2S Static Data Management (SDMG) domain. As such it retains all the functionalities that are implemented therein. One notable limitation is that the current version of CRDM does not foresee a reference data archiving function, which is not part of T2S SDMG and is foreseen to be introduced as part of the fully fledged CRDM.~~

~~As a consequence, maintaining the current setup for purging (i.e. physically removing) reference data could lead to unwanted results. In T2S, data is copied to the archiving database with a three-month delay from the production database. Likewise, data which is logically deleted is then purged from the production database after a retention period of three months and can then be consulted in the archiving database only.~~

~~The absence of a long term archive in CRDM would entail that keeping the purging mechanism leads to data being removed for good from the system. For this reason, and until the deployment of the fully-fledged CRDM, it has been chosen to avoid purging logically deleted data from the database. Specifically, this means that the retention period (currently set to three months) is extended indefinitely for reference data objects that are also used in CRDM. These objects include Party, Technical Address Network Service Link, Party Service Link, Cash Account, Authorised Account User, Limit, Role, User, DN-BIC Routing, User Certificate DN Link, Certificate DN, Message Subscription Rule Set, Message Subscription Rule, Restriction Type, Report Configuration.~~

High level description of Impact:

Besides the editorial changes on the TIPS UDFS, migration aspects have to be assessed in order to take into account the interface with the new LeA common component.

Outcome/Decisions:

L3 analysis - General Information
Impact on TIPS
Business Interface

Change Request form

	A2A Interface
	U2A Interface
Settlement Engine	
	Payment Transaction
	Liquidity Transfer
	Recall
Queries and Reports	
	Queries
	Reports
Other functions	
	Local Reference Data Management
	Statistics
	Complex Queries and Reports
	Mobile Proxy Look-up
Common Components	
	ESMIG
	CRDM
X	Archiving
	Billing
	DMT
Operational Tools	
	SLA Reporting
	TMS
	Technical Monitoring
	Change Management
	Capacity Management

Change Request form

Infrastructure request		
	Application components impacted	
	Application components not impacted	
Operational activities		
	Business activities impacted	
	Technical activities impacted	
New functionalities		
Impact on documentation		
Document	Chapter	Change
UDFS	§1.1 Introduction to the TIPS Service	Editorial changes
	§1.5.6.1 Raw data for Archiving	
	§1.6.4 Archiving	
	§1.7.3 Archiving management	
Training documentation		
Other documents		

Overview of the impact of the request on TIPS (L2 view)
Summary of functional, development, infrastructure, operational and security impacts
<p><u>Summary of functional impact:</u></p> <p><u>UDFS:</u></p>

Change Request form

- Editorial changes to describe the migration to the new Legal Archiving (LeA) common component used in the context of T2-T2S consolidation.

Migration aspects:

Under the assumption of an overall cost reduction to be confirmed by Development/Infrastructure teams, the proposal is to maintain the volume of Instant Payments and transactions legally archived since the TIPS Go-Live, and until the Go-Live of Consolidation, in the current Archiving (LAR) component developed in TIPS for the remaining archiving period. Starting from the Go-Live of Consolidation, the new Instant Payments and transactions with legal relevance will be archived in the new LeA common component. This proposal aims at saving the migration cost of transactional and security data from the existing LAR to the new LeA. Conversely, it needs to be assessed the cost of maintaining a separate repository (up to 10 years).

Summary of application development impact:

The TIPS application currently fulfils the requirement of archiving its data for ten years with an interim solution. Such a feature behave as follows:

- Extracts, on a daily basis, transaction data from the “Informational Database” and stores them on tape.
- There is a procedure to retrieve one day of data from tape and store them into a “shadow database” for TIPS Operator use.

The change will:

- Remove and replace the first component. The new functionality will be responsible for:
 - o Extraction, on intra-day basis (e.g. hourly), of transactions from the “Informational Database”;
 - o Conversion (“parsing”) into the XML format required by the CSLD-LEA datastore (IBM-CMOD)
 - o Extraction of metadata to be provided indexing
 - o Send the file to a specific file-system location the CMOD (file should be deleted once it has been stored, presence of any file in the server location, older than a predefined time, should raise an alarm).
- Keep the “retrieve functionality as its, unless it is deemed as more cost-effective to upload all data stored on tape in the new CSLD-LEA datastore (this assessment doesn’t cover such initial load functionality).

Summary of infrastructure impact:

Setup a secure file transfer between the new Legal Archiving common component (LeA), introduced in the CSLD scope: select the secure file transfer application, deploy it, implement scripting capabilities and automate including the exit results.

Change Request form

Summary of operational impact:

No operational impact.