

## 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) <i>(to be filled in by CoG)</i>		
<b>Request raised by:</b> 4CB	<b>Date raised:</b> 30/09/2019	
<b>Request title:</b> TIPS adaptations for the interaction with the Billing common component	<b>Name of Central Bank:</b> 4CB	<b>Request ref. no:</b> TIPS 0022 SYS
Categorisation of changes		
<b>1. Functional/technical importance parameter:</b> Low	<b>4. Legal importance parameter:</b> Low	
<b>2. Operational importance parameter:</b> Low	<b>5. Financial importance parameter:</b> Medium	
<b>3. Stakeholder importance parameter:</b> Medium		
<b>Status:</b> 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 billing and invoicing itself was implemented by updating the current TARGET2 billing mechanism by which the TIPS transactions had been included in the TARGET2 invoices of a linked TARGET2 participant (based on the Liquidity Management (LM) link) as a separate billable line item.

The billable items transmitted to TARGET2 for the preparation of the invoices had been delivered at an aggregated level to reduce the amount of data to be transferred to and processed by TARGET2 and allow sufficient level of information into TARGET2 to generate the invoices and the relevant reports for the central banks. For this reason, the working assumption was that TARGET2 would have received aggregated data (number of billable items) per TIPS account and originator's BIC for each RTGS business date.

This change request aims at adapting TIPS in order to interact with the new Billing common component (BILL), due to the T2-T2S Consolidation go-live and the resulting decommissioning of the TARGET2-CROSS module.

### Reason for change and expected benefits/business motivation:

The go-live of T2-T2S Consolidation and the resulting decommissioning of the TARGET2-CROSS module, forces the adaptation of TIPS to the new Billing common component. This is compulsory to continue the smooth calculation of the TIPS billable items and the generation of the monthly TIPS invoices, as of the T2-T2S Consolidation go-live.

The change request does not affect the pricing scheme for TIPS<sup>1</sup>.

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**Submitted annexes / related documents:**

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

**TIPS UDFS**

**1) UDFS v3.0.0 - §1.1 Introduction to the TIPS service**

[...]

- The Common Reference Data Management (CRDM), i.e. the centralised, harmonised reference data management component that handles in a single point all data that is shared by more than one Eurosystem service. The CRDM allows users to configure, create and keep up-to-date all the reference data needed in the different Eurosystem services, including TIPS. As an example, the setup of reference data related to a TIPS Participant like the creation of an account is up to the responsible National Central Bank (NCB) whereas a TIPS Participant is responsible for the setup and configuration of Credit Memorandum Balances (CMBs).
- The Billing (BILL) common component, ~~currently implemented as stand-alone solution provided by TARGET2~~, which (i) produces invoices, (ii) delivers the invoices to the customers, and (iii), optionally, debits the relevant accounts for the related amount based on consumption data it collects from TIPS.

**2) UDFS v3.0.0 - §1.5.6 Raw Data extraction**

TIPS produces, on a daily basis, raw data files related to all the activities performed during the day. TIPS relies on the end of day of the underlying RTGS Systems that is communicated via A2A message (see 1.6.1 “TARGET2 and other RTGS Systems”). The raw data files contain the information related to the RTGS Systems business day that has been completed. TIPS does not produce raw data for reference data, as they are provided by the Common Reference Data Management component.

For performance reasons, TIPS does not produce the raw data immediately after the change of date but during the night. The files are then sent to the common components ~~shared services~~ for Archiving and to ~~TARGET2~~ for billing (BILL).

All of the timestamps included in the raw data are expressed in UTC.

[...]

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<sup>1</sup> Migration aspects shall be taken into account, e.g. as long as in the month of the T2-T2S Consolidation go-live, two TIPS invoices may be issued, one for the first period of the month included in the T2 invoice (produced with the old method) and a second one for the TIPS service only for the last days of the month (generated by BILL).

### 3) UDFS v3.0.0 - §1.5.6.2 Raw data for billing

The raw data for Billing contains the following information on transactional data: The exhaustive list of exported data is as follows.

[...]

### 4) UDFS v3.0.0 - §1.6.5 Billing

For billing purposes, ~~The Billing component for TIPS relies on the features exposed by the BILL common component solution based on the TARGET2 billing.~~

TIPS produces every day the needed data and send them to the Billing common component, as Raw Data. ~~Please~~The reader may refer to section 1.5.6 "Raw Data extraction" for additional details.

TIPS is not expected to prepare or send consumption files and invoices to the customers but only to gather the data and provide them to the Billing common component.

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#### High level description of Impact:

Besides the editorial changes on the UDFS, required to document the TIPS migration from the TARGET2-based solution to the new Billing common component envisioned in the context of the T2-T2S Consolidation project, a testing campaign is also planned to guarantee the smooth migration of the billing raw data through the new technical interface.

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#### Outcome/Decisions:

L3 analysis - General Information	
Impact on TIPS	
<b>Business Interface</b>	
	A2A Interface
	U2A Interface
<b>Settlement Engine</b>	
	Payment Transaction
	Liquidity Transfer
	Recall
<b>Queries and Reports</b>	
	Queries
	Reports
<b>Other functions</b>	
	Local Reference Data Management
	Statistics
	Complex Queries and Reports
	Mobile Proxy Look-up
<b>Common Components</b>	
	ESMIG
	CRDM
	Archiving
X	Billing
	DMT
<b>Operational Tools</b>	
	SLA Reporting
	TMS

	Technical Monitoring	
	Change Management	
	Capacity Management	
<b>Infrastructure request</b>		
	Application components impacted	
	Application components not impacted	
<b>Operational activities</b>		
	Business activities impacted	
	Technical activities impacted	
<b>New functionalities</b>		
<b>Impact on documentation</b>		
<b>Document</b>	<b>Chapter</b>	<b>Change</b>
TIPS UDFS	§1.1 Introduction to the TIPS service §1.5.6 Raw data extraction §1.5.6.2 Raw data for billing §1.6.5 Billing	Editorial changes to take on board the migration to the BILL common component.
Training documentation		
Other documents		

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

### Summary of functional impact:

Besides the editorial changes on the UDFS, required to document the TIPS migration from the TARGET2-based solution to the new Billing common component envisioned in the context of the T2-T2S Consolidation project, a testing campaign is also planned to guarantee the smooth migration of the billing raw data through the new technical interface.

### Summary of operational impact:

The new Billing common component will be tested by EAT team, the CBs and the participants in the external test environments for which the OT support is needed. The same applies to the migration phase in Production.

### Summary of application development impact:

Extraction and aggregation of data related to TIPS transactions must be adapted to cope with the following needs:

- To fit with the interface adopted by the BILL component;
- To allow both aggregation and consumption file preparation based on different currencies;
- To allow independent process for producing the consumption files triggered by different operating days (linked to different RTGS and currencies);
- To allow new process to run in parallel (for a limited period of time) with the current process;
- To dismiss the current file creation and transmission to CRSS.

### Summary of infrastructure impact:

The infrastructural impact is mainly related to configuration changes; no new hardware or software is deemed necessary to implement the CR.

### Summary of security impact:

See Change Request analysis.