

Change Request form

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 checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
Request raised by: 4CB	Institution:	Date raised:
Request title: Editorial changes to TIPS UDFS R2023.JUN		Request ref. no: TIPS-0059-SYS ¹
Request type:		
1. Legal/business importance parameter: Medium	2. Market implementation efforts parameter – Stakeholder impact: Low	
3. Operational impact: Low	4. Financial impact parameter: Low	
5. Functional/ Technical impact: Low	6. Interoperability impact: Low	
Requestor Category: 4CB	Status: Allocated to a Release	

Reason for change and expected benefits/business motivation:

This CR proposes to perform some editorial changes to the baseline version R2023.JUN of the TIPS Scope Defining Documents (SDDs). The changes stem from both (i) the outcome of the editorial review of the TIPS UDFS and (ii) the management of the TIPS tickets opened by the market participants, whose resolution results into an editorial amendment of the TIPS SDDs.

Description of requested change:

The following editorial changes have been identified:

- Editorial change stemming from change request TIPS-0023 on the TIPS Directory delivery.
Since the delivery is managed in a centralized way by CRDM, the references to the file naming convention for TIPS Directory Full/Delta utilized in the MEPT protocol are no longer valid.
- Editorial changes stemming from PBI000000225635.
Stemming from this Production problem, a software fix has been planned for R2023.JUN to manage the scenario in which an investigation request is processed by TIPS while the corresponding instant payment has been confirmed by the beneficiary PSP, but the effect (i.e. settlement or rejection) is not yet final into the TIPS Core. For this reason, the answer 'AG09' will be replaced with the error code 'MS01' inducing the Originator PSP to either (i) issue a second investigation, few seconds after the first attempt, on initiated instant payment or (ii) to wait until TIPS communicates the final status.
- Editorial change to the *Sweeping timeout* parameter value.
The *Sweeping timeout* parameter is set since the TIPS Go-Live to 30 seconds. This frequency of activation has been recently challenged by TIPS Market participants as it was deemed too long. Resulting from a dedicated performance and load testing campaign a trade-off has been found in the current architecture that can safely lead to decreasing the frequency of activation of the Sweeper daemon from 30 seconds to 5 seconds with no sensitive performance degradation, By lowering this parameter TIPS will reduce the time needed, in the worst case scenario of missing Beneficiary PSP confirmation for a pending instant payment, to hit a time-out condition and close the business case in accordance with the EPC SCT-Inst scheme.

Submitted annexes / related documents:

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Proposed wording for the Change request:

TIPS UDFS vR2023.JUN

1) 2.8.3 Report naming convention – [CR TIPS-0023]

TIPS supports production of the following reports whose naming convention is described below.

Table 1 – Report naming convention

Report	Report Type ID	Format	Granularity
Statement of Account Turnover	- SAT-F	XML (camt.052.001.06)	- Daily (at EOD)
Statement of Accounts	- SA-F - SA-D3 - SA-D6 - SA-D12	XML (camt.053.001.06)	- Daily (at EOD) - Every 3 hours (from 00:00 UTC) and at EOD - Every 6 hours (from 00:00 UTC) and at EOD - Every 12 hours (from 00:00 UTC) and at EOD
TIPS Directory⁴⁵ (Full version)	— TDF	XML	— Daily (at EOD)
TIPS Directory⁴⁶ (Update version)	— TDU	XML	— Daily (at EOD)

TIPS Directory (Full and Update version) is produced and delivered by CRDM. Therefore, it is no longer sent via the MEPT protocol.

2) § 2.8.3 Report naming convention – [CR TIPS-0023]

Deletion of footnotes 45 and 46.

~~45 The detailed specifications of the TIPS Directory (Full version) is provided in CRDM documentation.~~

~~46 The detailed specifications of the TIPS Directory (Update version) is provided in CRDM documentation.~~

3) Editorial changes due to PBI000000225635 – 4.1 Business Rules

[...]	[...]	[...]	[...]	[...]	[...]	
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¹ XXXX = ECMS /TIPS / CONS, NNNN = 9999, DDDD = URD/UDFS/UHB

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Investigation business process	Payment Transaction existence	030001	Transaction Identification Originator BIC	The system checks that: - an item related to the Transaction Identification and to the Originator BIC exists in the transactional entity "Instant Payment" (Data retention period not expired) - the TIPS actor is the Originator of the interested Payment transaction or the Instructing Party acting on behalf of the Participant or Reachable Party on the originator side.	If no row is present: - Business error RJCT, error code AG09	
Investigation business process	Investigation allowed	030002	Transaction Identification Originator BIC Acceptance date time SCT ^{Inst} Timestamp Timeout Investigation Offset Current timestamp	Current Timestamp => (Transaction_ Acceptance Date Time + SCT^{Inst} Timestamp Timeout + Investigation Offset)	If the check is not respected: - Business error RJCT, error code AG09	Investigation not allowed for the Payment Transaction
<u>Investigation business process</u>	<u>Payment Transaction existence in final status</u>	030003	<u>Transaction Identification</u> <u>Originator BIC</u>	<u>The system checks that:</u> <u>- an item related to the Transaction Identification and to the Originator BIC exists in the transactional entity "Instant Payment" (Data retention period not expired) with final status</u> <u>- the TIPS actor is the Originator of the interested Payment transaction or the Instructing Party acting on behalf of the Participant or Reachable Party on the originator side.</u>	<u>The underlying instant payment is present but did not reach a final status yet</u> <u>- Business error RJCT, error code MS01</u>	
Liquidity Transfer business process	Creditor Account existence	040001	Creditor Account	The TIPS Account to be credited of an Inbound Liquidity Transfer exists with opening date equal or less than the current RTGS Business day and closing date equal or greater than the current RTGS Business day.	If the check is not respected: - error code L001	Unknown Creditor or Creditor Account

4) **Editorial changes due to PBI00000225635 – Table 162 Investigation steps**

Step	Involved messages	Involved actors	Description
[...]	[...]	[...]	[...]
3		TIPS	For each transaction referenced in the Investigation request, TIPS successfully executes the check: <ul style="list-style-type: none"> - Instructing Party authorised for queries; - Payment Transaction existence; - Payment Transaction existence in final status. See Error! Reference source not found.- Error! Reference source not found. for details.
[...]	[...]	[...]	[...]

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5) Sweeper timeout parameter adaptation – Table 53

Table 2 – System Parameters

Parameter name	Description	Default value
[...]	[...]	[...]
Sweeping Timeout	<p>The time window after which the sweeping daemon looks for pending payments for which:</p> <ul style="list-style-type: none"> (i) a valid and timely confirmation from the Beneficiary Participant has not been received yet and (ii) the SCT^{Inst} Timestamp Timeout is elapsed. <p>The value can impact on the performances of the system and must be changed only after green light received by the technical support. The parameter is expressed in seconds.</p>	305 seconds
[...]	[...]	[...]

High-level description of Impact:

Given the editorial nature of the changes without any impact on the software, no impact is also foreseen for the market community, besides what already envisaged within the scope of the production problem being fixed. The benefit of this change request is to pursue the improvement of the documentation and the correction of minor misalignments between the software currently implemented and the Scope Defining Documents.

Impacts on other projects and products:

Outcome/Decisions: