

DG-MIP

ECB-PUBLIC

31 August 2018
UPDATABLE

TIPS CERTIFICATION TEST CASES

Version:	1.0
Status:	Final
Date:	30/08/2018

Date: 31/08/2018
Version: 1.00

Table of Contents

1.	CERTIFICATION TEST APPROACH AND TEST CASES	3
1.1	APPROACH	3
1.2	Participant Test Cases	4

1. CERTIFICATION TEST APPROACH AND TEST CASES

This document contains the certification test approach and a detailed description of test cases for the certification testing of TIPS participants.

1.1 APPROACH

The set of test cases in this document are mandatory for the certification of TIPS Participants.

Participants must progress logically through the tests and attach all the evidence gathered in the certification testing template which will be supplied by the National Service Desk.

These tests are not an exhaustive set of test cases for participants. Participants may also create their own test cases based upon the UHB and the UDFS . The tests must be carried out in the TIPS Pre-production Test environment.

Central banks will issue a certification only to the Participants in their full configuration including reachable parties. This means that the participants must report the outcome of their tests to their National Service Desk as well as the results of their connected reachable parties. This means that the Reachable Party will also have to perform these tests and the Participant will report to the Central Bank on their behalf.

The TIPS Pilot Testing Terms of Reference indicates the period from 03 September to 12 October as dedicated to Certification testing. Participants may, however, carry out the tests and submit the evidence after this period. During the period the participants will be asked to report on their progress.

The certification must be completed before the end of TIPS Pilot Testing in order for the participant to progress to TIPS production.

The Participants will submit the evidence (screenshots and files) to their National Service Desk, which will issue the TIPS certificate after the successful evaluation of the provided evidence.



1.2 Participant Test Cases

Test ID	System	Connectivity Mode	Test Case name	Relevant for
1	TIPS	U2A	Blocking of a TIPS CMB	TIPS Participant
2	TIPS	U2A	Send a liquidity transfer from TIPS to TARGET 2	TIPS Participant
3	TIPS	A2A	Send an instant payment message (pacs.008); show a payment success message (pacs.002)	TIPS Participant
4	CRDM	U2A	Set up a report configuration and receive the report	TIPS Participant
5	TIPS	A2A	Accept or Reject an instant payment (pacs.002); show updated or unchanged balance (camt.004)	TIPS Participant
6	TIPS	A2A	Send a Recall (camt.056)	TIPS Participant
7	TIPS	A2A	Accept (pacs.004) or Reject a Recall (camt.029); show updated or unchanged balance (camt.004)	TIPS Participant
8	TIPS	A2A	Send an Investigation (pacs.028); show payment success message (pacs.002)	TIPS Participant
9	TIPS	U2A	Update Limit	TIPS Participant
10	TIPS	A2A	Update Limit	TIPS Participant

Test ID	TIPS_CERT_01
Test case name	Blocking of a TIPS CMB
Applicable to	TIPS Participant
Application	TIPS
Connectivity mode	U2A
Description	The CMB can be blocked for crediting and/or debiting directly in TIPS and the relevant data changes will be taken into account in real-time on a 24/7/365 basis. The operations can be carried out by an authorised user of the TIPS Participant holding the Account or of the Instructing Party authorised by the TIPS participant.
Prerequisite	The relevant Account or the Party holding the Account are not blocked. The CMB has been set up in CRDM and already propagated to TIPS.
Expected results	Depending on the chosen option, the CMB status takes one of the values: Blocked for debiting; Blocked for crediting; Blocked for crediting/debiting.
Test evidence	Screenshot
Relevant Documentation	User Handbook 4.2.3.2

Test ID	TIPS_CERT_02
Test case name	Send a liquidity transfer from TIPS to TARGET 2
Applicable to	TIPS Participant
Application	TIPS
Connectivity mode	U2A
Description	TIPS supports Central Bank Money liquidity transfers between accounts denominated in the same currency from TIPS to an RTGS System.
Prerequisite	The Actor is entitled to launch the Outbound Liquidity Transfer.
Expected results	The submitted Liquidity Transfer is settled and the balance of the concerned account is adjusted accordingly.
Test evidence	Screenshots
Relevant Documentation	User Handbook 4.4.1.1, 4.1.1.1



Test ID	TIPS_CERT_03
Test case name	Send an instant payment message (pacs.008); show a payment success message (pacs.002)
Applicable to	TIPS Participant
Application	TIPS
Connectivity mode	A2A
Description	<p>The settlement process begins with an Instant Payment transaction message (pacs.008) submitted by the Originator side to TIPS. After several validity checks, if no errors are detected the beneficiary side shall respond to TIPS with a beneficiary reply, confirming the payment (pacs.002)</p> <p>Consequently, TIPS will settle the reserved amount, remove the cash posting and update the cash balances of the Originator and Beneficiary Participant accounts.</p> <p>The payment confirmation (pacs.002) is sent to the originator participant.</p>
Prerequisite	The originator participant has the necessary cash balance on the account to be debited.
Expected results	The Originator has successfully sent an instant payment message (pacs.008) and has received from TIPS the confirmation message (pacs.002) sent back by the Beneficiary when accepting the payment.
Test evidence	A copy of pacs.008 and pacs.002 messages
Relevant Documentation	UDFS 3.3.2.1.3; 3.3.2.1.1

Test ID	TIPS_CERT_04
Test case name	Set up a report configuration and receive the report
Applicable to	TIPS Participant
Application	CRDM
Connectivity mode	U2A
Description	Create a new report to receive specific information about dynamic or reference data through a predefined report. Each report is periodically created.
Prerequisite	The report configuration was not set up already.
Expected results	The system confirms the creation of the configuration
Test evidence	Screenshot of the configuration setup and of the report
Relevant documentation	CRDM User Handbook 2.3.4.7, 2.3.4.6

Test ID	TIPS_CERT_05
Test case name	Accept or reject an instant payment (pacs.002); show updated balance (camt.004)
Applicable to	TIPS Participant
Application	TIPS
Connectivity mode	A2A
Description	<p>Once the instant payment transaction was forwarded by TIPS to the Beneficiary participant, the last one should reply with a confirmation message (pacs.002) within a standard, configurable timeout period.</p> <p>If the Beneficiary rejects the payment, TIPS will release the reserved amount, removing the cash posting and updating the cash balances of the Originator and Beneficiary Participant.</p> <p>After receiving an Instant Payment (pacs.002), the Beneficiary can query the system (camt.003) to get updated information on the account balance.</p>
Prerequisite	The Participant has sent the Get Account message (camt.003) to TIPS.
Expected results	Participant has received a camt.004 message showing the updated balance.
Test evidence	A copy of pacs.002 and of camt.004

Test ID	TIPS_CERT_06
Test case name	Send a Recall (camt.056)
Applicable to	TIPS Participant
Application	TIPS
Connectivity mode	A2A
Description	The Originator Participant or Instructing Party of a previously settled Instant Payment transaction (the Recall Assigner) can send to TIPS a specific recall message in order to request the return of funds previously settled.
Prerequisite	The Assigner has previously settled an Instant Payment.
Expected results	TIPS has forwarded the recall request related to a formerly settled Instant Payment transaction to the relevant recipient.
Test evidence	A copy of camt.056
Relevant documentation	UDFS 3.3.2.2.11



Test ID	TIPS_CERT_07
Test case name	Accept (pacs.004) or Reject a Recall (camt.029); show updated or unchanged balance (camt.004)
Applicable to	TIPS Participant
Application	TIPS
Connectivity mode	A2A
Description	<p>In case a Recall is accepted by the Assignee, the system determines the accounts and CMBs that TIPS has to use for settlement of the recall. If the settlement attempt is successful, the instruction is set to “Settled” status.</p> <p>In case the Recall Assignee replies with a negative Recall Answer, this would be immediately forwarded by TIPS to the Recall Assigner.</p> <p>The Participant can query the system to get information on the account balance or status (camt.003)</p>
Prerequisite	A Recall has been sent from an Originator party who previously settled an Instant Payment.
Expected results	<p>The Payment Return message (pacs.004) is received by the original Assigner Participant who accepts the recall request.</p> <p>In case of a negative response to the recall, the Assignee sends a camt.029 message.</p> <p>After querying the system (camt.003), the interested Participant or Reachable Party receives from TIPS a message showing the Account Balance and Status (camt.004).</p>
Test evidence	A copy of pacs.004/camt.029 message and camt.004
Relevant documentation	UDFS 3.3.2.1.2; 3.3.2.2.2, 3.3.2.2.6

Test ID	TIPS_CERT_08
Test case name	Send an Investigation (pacs.028); show payment success message (pacs.002)
Applicable to	TIPS Participant
Application	TIPS
Connectivity mode	A2A
Description	The Participant can start the investigation process on a previously instructed Instant Payment Transaction. The Payment Status Request message (pacs.028) allows instructing TIPS for retrieving the status of a previously submitted Instant Payment Transaction.
Prerequisite	An Instant Payment transaction has been already submitted and processed by TIPS.
Expected results	The participant is able to initiate an investigation process and the system will return a payment status report message (pacs.002).
Test evidence	A copy of pacs.028 and of pacs.002
Relevant documentation	UDFS 3.3.2.1.4; 3.3.2.1.1



Test ID	TIPS_CERT_09
Test case name	Update Limit
Applicable to	TIPS Participant / Reachable Party
Application	TIPS
Connectivity mode	U2A
Description	Participants can update the limit related to CMB falling under their data scope. When a CMB limit is modified, the headroom of the CMB is updated accordingly.
Prerequisite	The Participant is allowed to adjust the CMB limit.
Expected results	The CMB limit is displayed with the new amount.
Test evidence	Screenshot
Relevant documentation	CRDM User Handbook 2.3.2.2

Test ID	TIPS_CERT_10
Test case name	Update Limit
Applicable to	TIPS Participant
Application	TIPS
Connectivity mode	A2A
Description	Participants can request an immediate change (camt.011) to the allowed Limit on a specific account for a CMB user.
Prerequisite	The Participant is allowed to adjust the CMB limit.
Expected results	The new limit was applied to CMB and the Participant has received a Modify Limit message (camt.025).
Test evidence	A copy camt.011 and camt.025 message
Relevant documentation	UDFS 3.3.2.2.3