

## DESCRIPTION OF CONNECTIVITY TEST CASES

The table below provides an overview of the connectivity test cases. The detailed description of individual scenarios is provided in the following pages of this annex.

### SSP platform

Test-ID	Function	Test category <sup>1</sup>	Applicable to <sup>2</sup>
CON-T2-SWIFT-ICM	TARGET2 Access via ICM U2A (for PM, HAM, SF and RM)	MAND for DP, HAM, CBC COUS for AS	DP, AS, HAM, CBC
<b>CON-T2-INTERNET-ICM</b>	TARGET2 Access via internet (for PM, HAM, SF and RM)	MAND	DP IBP, HAM IBP, CBC IPB
CON-T2-ECONS1	TARGET2 ECONS1 access via U2A GUI	MAND for DP, HAM, CBC COUS for AS	DP, AS (Critical participants/AS and participants/AS processing (very) critical payments)
CON-T2-A2A	Sending a TARGET2 A2A message over Interact	COUS	DP, MAP, AS, HAM
CON-T2-FIL	Sending a file containing A2A message over FileAct to TARGET	COUS	DP, MAP, AS, HAM
CON-T2-PM1	Emission/reception of MT messages to/from PM by SWIFT and internet-based participant	MAND	DP, DP IBP
CON-T2-HAM	Emission/reception of MT messages to/from HAM by HAM SWIFT and internet-based participant	MAND	HAM/HAM IBP
CON-T2-CBC	Emission/reception of MT messages to/from HAM by CBC SWIFT and internet-based participant	MAND	CBC, CBC IBP

<sup>1</sup> MAND - Mandatory, i.e. test case has to be performed by all TARGET2 users it is applicable to (see following column)  
COUS - Conditional/user, i.e. test case becomes mandatory, if the user intends (or is expected) to use this functionality in live operations

<sup>2</sup> AS - Ancillary system  
CBC - CB customer account holder in HAM  
DP - Direct participant  
HAM - HAM account holder  
MAP - Multi-addressee participant  
IBP - Internet-based participant

## DESCRIPTION OF CONNECTIVITY TEST CASES

### TARGET2 Securities platform (test cases applicable to T2S DCA holders)

The connectivity testing related to the TARGET2 Securities platform are included in the document "[T2S programme, Certification testing, test cases](#)", available on the T2S web site and have the following references:

Test-ID	Function	Type <sup>3</sup>	Applicable to
CERT_13	Send a request for an immediate Outbound Liquidity Transfer	MAND	T2S DCA Holder
CERT_14	Send a request for defining a Security as eligible for collateralisation	COUS	T2S DCA Holder
CERT_15	Send a Security Valuation Creation	COUS	T2S DCA Holder
CERT_07	Receive a report	COUS	T2S DCA Holder
CERT_17	Enter an immediate Outbound Liquidity Transfer	COUS	T2S DCA Holder
CERT_12	Display a report	COUS	T2S DCA Holder

<sup>3</sup> MAND - Mandatory, i.e. test case has to be performed by all TARGET2 users it is applicable to (see following column)

COUS - Conditional/user, i.e. test case becomes mandatory, if the user intends (or is expected) to use this functionality in live operations

## DESCRIPTION OF CONNECTIVITY TEST CASES

### SSP platform

<i>Test ID</i>	<b>CON-T2-SWIFT-ICM</b>
<i>Function</i>	TARGET2 Access via ICM U2A (for PM, HAM, SF and RM) via Web access (from release 13.0)
<i>Test category</i>	MAND for DP, HAM, CBC COUS for AS
<i>Apply to</i>	DP, AS, HAM, CBC
<i>Phase of the business day</i>	n/a
<i>Pre-conditions</i>	<ul style="list-style-type: none"> <li>• TARGET2 and SWIFTNet registration (including access to the CUG for PM) and respective static data set-up (including Distinguished Name (DN) in the SSP user test environment completed.</li> <li>• SWIFT interface installed and adjusted in accordance with Service Profiles including the required SWIFTNet services.</li> </ul>
<i>Description</i>	The user connects via SIPN (customer test environment) to the address <a href="https://trgt-papss-cust.ssp.browse.swiftnet.sipn.swift.com/">https://trgt-papss-cust.ssp.browse.swiftnet.sipn.swift.com/</a> (SWIFT-based participant)
<i>Expected results</i>	<ul style="list-style-type: none"> <li>• Entry screen of the ICM (welcome) is displayed <input type="checkbox"/></li> </ul> Comment:
<i>References</i>	UDFS Book I/Chapter 7                      ICM UH I/Chapters 1-3

**DESCRIPTION OF CONNECTIVITY TEST CASES**

<b>CON-T2-INTERNET-ICM</b>	
<i>Test ID</i>	<b>CON-T2-INTERNET-ICM</b>
<i>Function</i>	TARGET2 Access via internet (for PM, HAM, SF and RM)
<i>Test category</i>	MAND
<i>Apply to</i>	DP IBP, HAM IBP, CBC IPB
<i>Phase of the business day</i>	n/a
<i>Pre-conditions</i>	<ul style="list-style-type: none"> <li>TARGET2 and BIC registration completed. Token ordering process and configuration as well as mandatory software installation completed.</li> </ul>
<i>Description</i>	The user connects via 'https://trgt-papss-cust.target2ssp.eu/ICM'.
<i>Expected results</i>	<ul style="list-style-type: none"> <li>Entry screen of the ICM (welcome) is displayed <input type="checkbox"/></li> </ul> Comment:
<i>References</i>	UDFS Book I/Chapter 9.3      ICM/UH I/Chapters 1.3.2; 4.2.2; 4.3.2; 4.3.3.1, 7.2

**DESCRIPTION OF CONNECTIVITY TEST CASES**

Test ID	
<b>Test ID</b>	<b>CON-T2-ECONS1</b>
<b>Function</b>	TARGET2 ECONS1 access via U2A GUI
<b>Test category</b>	MAND for DP, HAM, CBC COUS for AS
<b>Apply to</b>	DP, AS (critical participants/AS and participants/AS processing (very)critical payments
<b>Phase of the business day</b>	n/a
<b>Pre-conditions</b>	<ul style="list-style-type: none"> <li>• TARGET2 and SWIFTNet registration (including access to the CUG for ECONS1) and respective static data set-up (including Distinguished Name – DN for U2A access) in the SSP user test environment completed.</li> <li>• SWIFT interface installed and adjusted in accordance with Service Profiles including the required SWIFTNet services TARGET2 registration (e-ordering with ECONS1 access) and BIC registration completed. Local application communicating with TARGET2 certified.</li> <li>• CUINFOTE or ASINFOTE or CUBAUPTE/FE or ASMANATE/FE RBAC role granted to the user that connects</li> </ul>
<b>Description</b>	The user connects via SIPN (customer test environment) to the address <a href="https://trgt-cm-cust.ssp.browse.swiftnet.sipn.swift.com">https://trgt-cm-cust.ssp.browse.swiftnet.sipn.swift.com</a>
<b>Expected results</b>	<ul style="list-style-type: none"> <li>• Entry screen of the ECONS1 is displayed <input type="checkbox"/></li> </ul> Comment:
<b>References</b>	UDFS Book I/ chapter 4                      ICM UH in Book I: Chapter 8

## DESCRIPTION OF CONNECTIVITY TEST CASES

CON-T2-A2A	
<i>Test ID</i>	<b>CON-T2-A2A</b>
<i>Function</i>	Sending a TARGET2 A2A message over Interact (for PM, HAM, SF and RM)
<i>Test category</i>	COUS
<i>Apply to</i>	DP, MAP, AS, HAM
<i>Phase of the business day</i>	n/a
<i>Pre-conditions</i>	<ul style="list-style-type: none"><li>• TARGET2 registration and BIC registration completed. Local application communicating with TARGET2 certified.</li></ul>
<i>Description</i>	The user triggers via his local application a TARGET2 A2A message that will be send over SWIFT to TARGET2.
<i>Expected results</i>	<ul style="list-style-type: none"><li>• Message sent to TARGET2 <input type="checkbox"/></li><li>• User application to receive and treat the notification <input type="checkbox"/></li></ul> <p>Comment:</p>
<i>References</i>	UDFS Book I, chapter 9.2; UDFS Book IV

## DESCRIPTION OF CONNECTIVITY TEST CASES

CON-T2-FIL	
<b>Test ID</b>	<b>CON-T2-FIL</b>
<b>Function</b>	Sending a file containing A2A message over FileAct to TARGET (for PM, HAM, SF and RM)
<b>Test category</b>	COUS
<b>Apply to</b>	DP, MAP, AS, HAM
<b>Phase of the business day</b>	n/a
<b>Pre-conditions</b>	<ul style="list-style-type: none"> <li>TARGET2 registration and BIC registration completed. Local application communicating with TARGET2 certified.</li> </ul>
<b>Description</b>	The user triggers via his local application a file containing TARGET2 A2A message that will be send via SWIFT to TARGET2.
<b>Expected results</b>	<ul style="list-style-type: none"> <li>File sent to TARGET2 <input type="checkbox"/></li> <li>User application to receive and treat the file notification <input type="checkbox"/></li> </ul> <p>Comment:</p>
<b>References</b>	UDFS Book I, chapter 9.2; Book IV

## DESCRIPTION OF CONNECTIVITY TEST CASES

<b>Test ID</b>	<b>CON-T2-PM1</b>
<b>Function</b>	Emission/reception of MT messages to/from PM by SWIFT and internet participant
<b>Test category</b>	MAND
<b>Apply to</b>	DP, , DP IBP
<b>Phase of the business day</b>	n/a
<b>Pre-conditions</b>	<ul style="list-style-type: none"> <li>• SWIFT participant: <ul style="list-style-type: none"> <li>○ TARGET2 and SWIFTNet registration (including access to the CUG for PM) and respective static data set-up in the SSP user test environment completed</li> <li>○ SWIFT interface installed and adjusted in accordance with Service Profiles</li> <li>○ Exchange of RMA with the BIC TRGTXEP0</li> </ul> </li> <li>• Internet participant: <ul style="list-style-type: none"> <li>○ TARGET2 and BIC registration completed. Token ordering process and configuration as well as mandatory software installation</li> </ul> </li> </ul>

**Description** The SWIFT user sends a payment message (MT202) with a past value date.  
Specific details of the message:

<b>Field</b>	<b>Description</b>
Sender	participant's test BIC
Receiver	participant's test BIC
103 (header)	TGT
32A	<b><u>DP participant: past</u></b> value date <b><u>Internet participant: current value date</u></b>
58A	participant's test BIC

The internet user inputs a MT202-equivalent at GUI.



## DESCRIPTION OF CONNECTIVITY TEST CASES

*Expected results*

- SWIFT user participant: Receipt of an abort notification (MT019) containing the error code D1 in field 432 as the reason for rejecting the message
- Internet participant: the user noticed the settlement at ICM.

Comment:

*References*

UDFS Book I/Chapter 9.1

**DESCRIPTION OF CONNECTIVITY TEST CASES**

Test ID	
<i>Test ID</i>	<b>CON-T2-HAM</b>
<i>Function</i>	Emission/reception of MT messages to/from HAM by HAM SWIFT and internet participant
<i>Test category</i>	MAND
<i>Apply to</i>	HAM/HAM IBP
<i>Phase of the business day</i>	n/a
<i>Pre-conditions</i>	<p><u>For SWIFT-based participant:</u></p> <ul style="list-style-type: none"> <li>• TARGET2 and SWIFTNet registration (including access to the CUG for HAM) and respective static data set-up in the SSP user test environment completed</li> <li>• SWIFT interface installed and adjusted in accordance with Service Profiles</li> <li>• Exchange of RMA with the BIC TRGTXEH0</li> </ul> <p><u>For Internet-based participant:</u></p> <ul style="list-style-type: none"> <li>• TARGET2 and BIC registration completed. Token ordering process and configuration as well as mandatory software installation. completed</li> </ul>

## DESCRIPTION OF CONNECTIVITY TEST CASES

### Description

SWIFT-based participant:

The user sends a payment message (MT202) with today's value date, which does not contain field 103 in the user header (no Y-copy). The SWIFT participant input an invalid character in field 20,

Internet-based participant:

The user input a valid reference in field 20.

Specific details of the message:

<i>Field</i>	<i>Description</i>
<i>Sender</i>	participant's test BIC BIC (TRGTXEP0LVP for Internet-based participant)
<i>Receiver</i>	TRGTXEH0XXX
<i>20:</i>	<b><u>SWIFT participant: Non-SWIFT char in field 20</u></b> <b><u>Internet participant: valid reference in field 20</u></b>
<i>32A</i>	<u>today's</u> value date
<i>58A</i>	participant's test BIC (same BIC as sender)

### Expected results

For SWIFT participant:

- Receipt of the MT202 from HAM with field 72 containing /REJT/20

For Internet-based participant:

- The internet-based participant is able to input data at ICM/internet and check the settlement of the payment.

Comment:

### References

UDFS Book II/Chapter 12.1.4

## DESCRIPTION OF CONNECTIVITY TEST CASES

Test ID	CON-T2-CBC										
Function	Emission/reception of MT messages to/from HAM by CBC SWIFT and Internet participant										
Test category	MAND										
Apply to	CBC										
Phase of the business day	n/a										
Pre-conditions	<p>For SWIFT-based participant:</p> <ul style="list-style-type: none"> <li>TARGET2 and SWIFTNet registration (including access to the CUG for CB customers) and respective static data set-up in the SSP user test environment completed</li> <li>SWIFT interface installed and adjusted in accordance with Service Profiles</li> <li>Exchange of RMA with the BIC TRGTXEC0</li> </ul> <p>For Internet-based participant:</p> <ul style="list-style-type: none"> <li>Token ordering process and configuration as well as mandatory software installation completed.</li> </ul>										
Description	<p>SWIFT-based participant:</p> <p>The participant sends a payment message (MT202) with today's value date, <u>which does not contain field 103 in the user header (no Y-copy).</u></p> <p>Internet-based participant:</p> <p>The participant input a valid message at the ICM</p> <p>Specific details of the message:</p> <table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Sender</td> <td>participant's test BIC</td> </tr> <tr> <td>Receiver</td> <td>TRGTXEC0XccX (cc is replaced by the country code of the CB)</td> </tr> <tr> <td>32A</td> <td><b>today's</b> value date</td> </tr> <tr> <td>58A</td> <td>participant's test BIC (same BIC as sender)</td> </tr> </tbody> </table>	Field	Description	Sender	participant's test BIC	Receiver	TRGTXEC0XccX (cc is replaced by the country code of the CB)	32A	<b>today's</b> value date	58A	participant's test BIC (same BIC as sender)
Field	Description										
Sender	participant's test BIC										
Receiver	TRGTXEC0XccX (cc is replaced by the country code of the CB)										
32A	<b>today's</b> value date										
58A	participant's test BIC (same BIC as sender)										

## DESCRIPTION OF CONNECTIVITY TEST CASES

- Expected results*
- For SWIFT-based participant:
- Receipt of an MT019 with error code XI00 'generic error'(debtor and creditor must be different)
  - Receipt of the MT202 from HAM with field 72 containing /REJT/20
- For Internet-based participant:
- The internet-based participant is able to input data at ICM/internet and able to visualize the settlement at ICM.

Comment:

*References* UDFS Book II/Chapter 12.1.4