SSP RELEASE V13.0: TESTING ACTIVITIES

1. Introduction

With reference to the Eurosystem communication on the Final content of the SSP release 13.0 as published on the ECB/TARGET2 Website on 20 December 2018, the present document specifies the testing requirements as well as the testing procedures applicable for that release. The TARGET2 release 13.0 contains five change requests, listed below. No change in the 2019 SWIFT standards affects the SSP.

2. Change Requests as part of the release 13.0

- CR-800: Enhanced Contingency solution (ECONS) – Part I
- CR-812: Display of the resulting balance in ASTransferNotice for ASI6RT
- CR-813: End of day notification to ASI6RT
- CR-814: U2A information on connected TIPS DCA closing balance
- CR-815: Web interface (change of URL to reach ICM).

3. Requirements applicable to the testing activities for release 13.0, scheduled from 9 September until 25 October 2019

The Eurosystem defined the following test requirements for TARGET2 users as part of the recertification related to the new release:

▫ *Connectivity test*: connection to ECONS and ICM with Web access.

▫ *Interoperability tests*: the Eurosystem defined which of these test cases are mandatory or conditional usages. New test cases referring to ECONS1 are included (list in annex).

▫ *Business day tests*: a 4-week slot is foreseen to run business day testing tests. Four slots are dedicated to run testing ECONS for 1-day and 23-days contingency sessions. In addition, Central Banks may also decide to organise specific Business day testing.

▫ *Free testing*: users will have the possibility to run free tests in uncontrolled mode from the 9 Sep 2019 till the go live.

For ECONS1, testing will be mandatory for critical participants and Ancillary systems defined in TARGET2 as such, and for participants processing very critical payments in TARGET2 (their corresponding Central Banks as well). For other participants testing will be optional and under the condition that their Central Banks takes also part to these tests.

4.   Bugs planned to be fixed

The Eurosystem is also planning to fix a number of pending bugs. The list of bugs which has an impact on users is provided below and should be seen as preliminary. Users will receive confirmation in due time of the correction of these bugs when the necessary tests have been successfully concluded.

Internal reference	Module[1]	Bug description
INC000000243205	ASI	Pull of a Liquidity transfer via MT202 from T2S DCA to T2 RTGS account (negative case), error code T2S not displayed in ICM.
INC000000246612	PM	camt.004 (RerturnAccount) issue with <AcctRpt> tag
INC000000246320	ASI	ReturnMessage (ASI) sent by SSP in obsolete version 04

5.   Test procedures: reminder

In general the structure of the tests, their organisation, the applicable procedures as well as the reporting lines will be kept identical to those previously in place for testing. In particular this means that:

▫ Users are invited to contact their respective Central Bank for any query related to their certification, to clarify the test requirements relevant to them and to report on their test results.

▫ Volume limitations exist in term of numbers of FIN or XML messages that users can send to the SSP.

▫ The test & training system follow either a restricted operating time (i.e. test timing) or an extended operating time (i.e. live/live20 timing). Information about the operating times is provided together with the testing calendar.

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[1] PM=payments module, SD=Static data, ASI=Ancillary system interface, RM= Reserve management, IBP=Internet based participant, SF=Standing facilities, HAM=home accounting module, UHB=User handbook, CN =Contingency Network

□ Users will run their certification activities in <u>future</u> SWIFTNet FIN mode, as the SSP will be connected in future mode as well.

□ Before being delivered to the users' community, the SSP release 13.0 will be thoroughly tested by the Eurosystem to ensure its compliance with the release specification.

For further information on the test procedures, please refer to the "Guide for TARGET2 User Testing".

ANNEX 1: TEST CALENDAR RELEASE 13.0

Week number/dates in 2019 / Phase	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	19/8-23/8	26/8-30/8	02/9-06/09	09/9-13/09	16/9-20/09	[2]23/9-27/9	30/09-4/10	7/10-11/10	14/10-18/10	21/10-25/10	28/10-1/11	4/11-8/11	11/11-15/11	18/11-22/11	25/11-29/11
1st phase Acceptance test (User functions) by CBs															
User test preparation														18 Nov T2 13.0 go-live[3]	
User Connectivity (WebAccess/ECONS I)															
User Interoperability Certification on T2[4]															
Business day including ECONS I (1 day testing)							1/10	8/10							
Business day including ECONS I (3 days testing)									15-17/10	22-24/10					
Standard Monthly Billing periods[5]	1-30 Aug			1-30 Sept			1-31 Oct					1-30 Nov			
Reserve Mgmt. periods															
Free testing[6]															
Operating time	CUST	CUST	CUST	CUST	CUST	CUST	CUST	CUST	CUST	CUST	CUST	CUST	CUST	CUST	CUST
WebAccess migration and the use of the URLs	OLD	OLD	OLD	OLD	OLD	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
SWIFT FIN mode	FU	FU	FU	FU	FU	FU	FU	FU	FU	FU	FU	FU	FU	N/A	N/A

[2] **23 September is reserved for Central bank testing. No user testing should take place on that day. User testing resumes on 24 September.**

[3] ECONS I connectivity testing will be organised in production with selected banks during the migration week-end (those banks will be informed by their respective Central Banks)

[4] ECONS I participants should conclude the interoperability certification by 4 October.

[5] Valid for T2S, TARGET2 and TIPS consumption all together

[6] Unchecked testing

ANNEX 2: LIST OF INTEROPERABILITY TEST CASES APPLYING TO TARGET2 USERS

As part of their certification to the new SSP release, existing users need to consider the test cases[7] listed in the two tables below. While mandatory test cases always have to be run, conditional test cases only have to be run if applicable to the user.

The first table lists the new interoperability test cases, which were created or modified in the context of the new SSP release 13.0 (related to the change requests defined for the release).

Test case	Function	Test category	Applicable to[8]
IOP-ECONS-PM-010	Submission by PM-ECONS1 participant to another PM-ECONS1 participant of a payment, that will settle successfully after confirmation by CB, in addition monitoring of the payment.	COUS	DP, GoA Mngr
IOP-ECONS-PM-020	Submission by PM-ECONS1 participant to its CB PM-ECONS1 participant of a, that will settle successfully after confirmation by CB, in addition monitoring of the payment.	COUS	DP, GoA Mngr
IOP-ECONS-PM-060	Reception of MT940/950 sent after the closure of the contingency session (case contingency session opened and closed into the same business day)	COUS	DP, GoA Mngr
IOP-ECONS-PM-070	Request of statement of account by the TARGET participant while ECONS is	COUS	DP, GoA Mngr

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[7] A complete description of the interoperability test cases can be found in the Annex 2 of the Guide to TARGET2 User Testing, published on the TARGET2 Website of the ECB.

[8] DP: Direct participant
   MAP: Multi Adresse participant
   HAMP : HAM participant
   CBC : CB Customer
   AS: Ancillary system
   SB: Settlement Bank in an ancillary system using ASI
   GoA Mgr: Group of Account Manager
   Co Mgr: Co-manager

	activated ((case contingency session opened and closed on several business days))		
IOP-ECONS-AS-010	Monitoring by AS participant of a batch of instructions related to ASI procedure 4 submitted in contingency by its CB	COUS	AS settling in procedure 4
IOP-AS-6RT-640	Incoming funds on technical account following successful settlement of current order from SB	COUS	AS using procedure 6 for real-time settlement
IOP-AS-6RT-641	Incoming funds on technical account following successful settlement of standing order	COUS	AS using procedure 6 for real-time settlement
IOP-AS-6RT-642	Incoming funds on technical account following successful settlement of MT202 from SB	COUS	AS using procedure 6 for real-time settlement
IOP-AS-6RT-650	End of day notification to ASI6 RT	COUS	AS using procedure 6 real-time
IOP-AS-6RT-660	Delay End of day notification	COUS	AS using procedure 6 real-time
IOP-TIPS-240	TIPS DCA monitoring of EOD available liquidity (U2A) from ICM on DCA connected with RTGS with LM links	COUS	DP, MAP

The second table lists all the existing interoperability test cases (i.e. those set up in the context of the TARGET2 migration), which have to be repeated in the context of each new SSP release as **regression** tests.

Test case	Function	Test category	Applicable to
IOP-PM-040	ICM consultation of a TARGET2 entry	MAND	DP, MAP
IOP-PM-130	Sending of an interbank payment by non-gpi and TARGET2 participant (MT202 or equivalent ICM payment) to a direct participant using the routing information of the TARGET2 directory (with gpi field 121 UETR)	MAN for non gpi/T2 users	DP, MAP
IOP-PM-130a	Sending of an interbank payment by gpi and TARGET2 participant (MT202 or equivalent ICM payment) to a direct participant using the routing information of the TARGET2 directory (with gpi fields 111 & 121 UETR)	MAN for gpi/T2 users	DP, MAP
IOP-PM-131	Sending of an Interbank transfer from RTGS to HAM account via ICM with gpi fields	COUS	DP, MAP
IOP-PM-135	Receipt of an interbank payment (MT202) from a direct participant containing gpi field (field 121 UETR and/or field 111)	MAN	DP, MAP
IOP-PM-230	Sending an interbank payment (MT202 or equivalent ICM payment) by non gpi TARGET2 participant to an indirect participant using the routing information of the TARGET2 directory (with gpi field 121 UETR)	MAN for non gpi/T2 users	DP, MAP

IOP-TIPS-100a	Liquidity transfer from RTGS to TIPS DCA linked with LM, made via ICM/U2A	COUS	DP, MAP
IOP-TIPS-110	Liquidity transfer from RTGS to TIPS DCA linked with LM or not, made via A2A	COUS	DP, MAP
IOP-TIPS-160	Reception of Incoming Liquidity transfer from TIPS DCA	COUS	DP, MAP
IOP-TIPS-170a	Pull liquidity transfer from TIPS DCA linked with LM link initiated in U2A	COUS	DP, MAP
IOP-TIPS-170c	Pull liquidity transfer from TIPS DCA linked with LM link initiated in A2A (positive test case)	COUS	DP, MAP
IOP-TIPS-200	TIPS DCA monitoring of available liquidity (U2A)	COUS	DP, MAP
IOP-TIPS-210	Monitoring of the TIPS DCA account(s) linked to an RTGS account from TARGET2 ICM/U2A	COUS	DP, MAP
IOP-TIPS-220	Monitoring of the TIPS DCA account(s) linked to an RTGS account via A2A (positive test case)	COUS	DP, MAP
IOP-PM-140	Sending of a direct debit message (MT204) to a direct participant using the routing information of the T2 directory	COUS	DP, MAP
IOP-PM-145	Receipt of a direct debit message (MT204) from a Central Bank	COUS	DP, MAP
IOP-PMB-120	Back-up contingency payment in favour of EURO1	COUS	DP involved in EURO1 settlement
IOP-T2SI-010	Sending of a T2/T2S Liquidity	COUS	DP, MAP

	transfer via ICM from RTGS account to DCA		
IOP-T2SI-015	Sending of a T2/T2S Liquidity transfer via ICM from RTGS account to a non-existing DCA	COUS	DP, MAP
IOP-T2SI-020	Sending of a Liquidity transfer via XML from RTGS account to T2S DCA	COUS	DP, MAP
IOP-T2SI-040	Sending of a Liquidity transfer via MT202 from RTGS account to T2S DCA	COUS, MAND for VAS	DP (VAS), GoA Manager (VAS)
IOP-T2SI-050	Pull of a Liquidity transfer via ICM from T2S DCA account to T2 RTGS account	COUS, MAND for VAS	DP (VAS), GoA Manager (VAS)
IOP-T2SI-060	Pull of a Liquidity transfer via XML from T2S DCA to T2 RTGS account	COUS; MAND for VAS	DP (VAS), GoA Manager (VAS)
IOP-T2SI-070	Pull of a Liquidity transfer via MT202 from T2S DCA to T2 RTGS account	COUS; MAND for VAS	DP (VAS), GoA Manager (VAS)
IOP-PMB-130	Back-up contingency payment in favour of STEP2	COUS	DP involved in STEP2 pre-funding
IOP-PML-110	Reservation of liquidity for highly urgent payments during the day (current)	COUS	DP, MAP
IOP-PML-120	Reservation of liquidity for urgent payments during the day	COUS	DP, MAP
IOP-PML-130	Cancellation of liquidity reserved for highly urgent payments during the day	COUS	DP, MAP

IOP-PMB-135	Back-up contingency payment in favour of CLS	COUS	DP involved in CLS
IOP-PML-140	Cancellation of liquidity reserved for urgent payments during the day	COUS	DP, MAP
IOP-PML-810	Reservation of liquidity for highly urgent payments during the day (virtual account)	COUS	GoAMgr for virtual account
IOP-PML-820	Reservation of liquidity for urgent payments during the day (virtual account)	COUS	GoAMgr for virtual account
IOP-PML-830	Cancellation of liquidity reserved for highly urgent payments during the day (virtual account)	COUS	GoAMgr for virtual account
IOP-PML-840	Cancellation of liquidity reserved for urgent payments during the day (virtual account)	COUS	GoAMgr for virtual account
IOP-PMQ-010	Get a list of transactions (A2A mode) (PM)	COUS	DP, MAP
IOP-PMQ-020	Get a delta set of transactions "new matching items" (A2A mode) (PM)	COUS	DP, MAP
IOP-PMQ-030	Get a delta set of transactions "modified items" (A2A mode) (PM)	COUS	DP, MAP
IOP-PMQ-040	Get a delta set of transactions "deleted items" (A2A mode) (PM)	COUS	DP, MAP
IOP-HAM-810	Sending of an customer payment (MT103) to another CB customer (same CB)	COUS	CBC
IOP-HAM-830	Sending of an interbank payment (MT202) to another CB customer (different CB)	COUS	CBC
IOP-HAM-840	Sending of an interbank payment	COUS	CBC

	(MT202) to PM (different participant, same CB)		
IOP-HAM-850	Receipt of a customer payment (MT103+) from another CB customer (same CB)	COUS	CBC
IOP-HAM-860	Receipt of a customer payment (MT103) from a PM participant (same CB)	COUS	CBC
IOP-HAM-870	Receipt of an interbank transfer (MT202) from another CB customer (same CB)	COUS	CBC
IOP-AS-200	Real Time Settlement (no optional mechanism)	COUS	AS (SP2)
IOP-AS-210	Real Time Settlement – bilateral balances	COUS	AS (SP2)
IOP-AS-220	Real Time Settlement - multilateral balances	COUS	AS (SP2 with technical account)
IOP-AS-300	Liquidity Transfer initiated by AS	COUS	AS (SP3 with RTGS accounts)
IOP-AS-310	Bilateral Settlement (batch)	COUS	AS (SP3 with RTGS accounts)
IOP-AS-320	Bilateral Settlement (batch) multilateral balances	COUS	AS (SP3 with technical account)
IOP-AS-325	Bilateral Settlement (batch) unsuccessful settlement – multilateral balances	COUS	AS (SP3 with technical account)
IOP-AS-330	Bilateral Settlement (batch) – bilateral balances	COUS	AS (SP3 with mirror account)
IOP-AS-410	Standard Multilateral settlement	COUS	AS (SP4

	(batch) interfaced model		with/without guarantee account)
IOP-AS-510	Simultaneous multilateral settlement (batch)	COUS	AS (SP5 (with/without guarantee account)
IOP-AS-610	Settlement with dedicated liquidity - interfaced model	COUS	AS (SP6 daylight interfaced settlement
IOP-AS-620	Settlement with dedicated liquidity - interfaced model	COUS	AS (SP6 night-time interfaced model.
IOP-AS-670	Cross-AS settlement from interfaced AS to interfaced AS	COUS	AS1 proc.6 using Cross-DVP settlement interfaced to interfaced
IOP-AS-6RT-600	Settlement with dedicated liquidity – ASI 6 RT model	COUS	AS running procedure 6 RT