

Change Request form

General Information (Origin of Request)		
<input checked="" 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>		
Request raised by: ECB	Date raised: 04/01/2019	
Request title: Alignment of TIPS specifications to EPC SCT Inst documentation 2019	Name of Central Bank:	Request ref. no: TIPS 0012 URD
Categorisation of changes		
1. Functional/technical importance parameter: High	4. Legal importance parameter: Low	
2. Operational importance parameter: High	5. Financial importance parameter: Medium	
3. Stakeholder importance parameter: High		
Status: Allocated to a release		

Description of requested change:

TIPS User Requirements Document takes the EPC SCT Inst documentation version 1.0 (2017) as reference baseline.

Due to the continuous evolution of the EPC scheme rulebooks, a detailed analysis has been performed by 4CB to highlight potential gaps between TIPS specifications and the reference EPC documentation version 1.0 (2019), published on 22 November 2018.

The two reference documents taken into account for the gap analysis are:

- EPC004-16 2019 SCT Instant Rulebook v1.0;
- EPC122-16 SCT Inst Interbank IG 2019 V1.0_1.

The gap identified is the possibility for the Originator Bank (Recall Assigner) - that issued a recall without receiving any answer - to initiate a request for a status update by sending to TIPS a FI-to-FI Payment Status Request (pacs.028.001.01) message via A2A. This use case is named '*Request for Status Update on a Recall*'.

The *Request for Status Update on a Recall* message, after the appropriate business checks are passed successfully, shall be forwarded by TIPS to the Beneficiary Bank (i.e. the Recall Assignee) to trigger the necessary processing.

Reason for change and expected benefits/business motivation:

The proposed change aims at aligning TIPS specifications to (i) the version 1.0 (2019) of the EPC SCT Inst Rulebook and (ii) the version 1.0_1 (2019) of the EPC SCT Inst Implementation Guideline.

Submitted annexes / related documents:



EPC004-16 2019 SCT Instant Rulebook v1.0
EPC122-16 SCT Inst Interbank IG 2019 V1.0_1

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

TIPS URD, TIPS UDFS, ESMIG^{TIPS} UDFS and TIPS Qualification Training material shall be updated in order to reflect the proposed changes as described below.

TIPS URD

- 1) TIPS URD v1.0 – Section §3.3 Recalls – page 23: new message

3.3.1 Recall Process Diagrams

Table 3: List of messages for recall processing

Message	Description	Requirement
[...]	[...]	[...]
Recall Answer Confirmation	A notification informing the sender of the recall answer that the recall has been settled successfully.	TIPS.UR.08.201
<u>Request for Status Update on a Recall</u>	<u>A message sent by the Originator Participant or Instructing Party to trigger a status update of the Recall Answer.</u>	<u>TIPS.UR.08.202</u>

2) TIPS URD v1.0 – Section §3.3 Recalls – page 24: update of BPMN diagram

The BPMN flow shall include the new 'Request for Status Update on a Recall' processing.

3) TIPS URD v1.0 – Section §3.3 Recalls – page 31: new requirement

3.3.5 Request for Status Update on a Recall

ID	<u>TIPS.UR.03.820</u>
Name	<u>Processing of a Request for Status Update on a Recall message</u>
Requirement	<u>TIPS shall process a Request for Status Update on a Recall. The message can be sent by an Originator Participant that issued a recall without receiving any answer.</u> <u>In such scenario TIPS shall forward the Request for Status Update on a Recall message to the Beneficiary Participant (i.e. the Recall Assignee) to trigger the necessary processing.</u>

Requirements for the actual messages are given in section 8.3.3 (see TIPS.UR.08.180 and TIPS.UR.08.190).

4) TIPS URD v1.0 – Section §8.3.3 Recall Process Messages – page 81: new requirement

ID	<u>TIPS.UR.08.202</u>
Name	<u>Request for Status Update on a Recall message</u>
Requirement	<u>TIPS shall process a Request for Status Update on a Recall message initiated by an Originator Participant to check the status of the corresponding Recall Answer.</u>

The ISO message used for the Request for Status Update on a Recall shall be a pacs.028.

The reply to a Request for Status Update on a Recall can be (i) either a Recall Answer Confirmation or (ii) a Recall Answer Rejection.

TIPS UDFS

5) TIPS UDFS v1.1.0 - §1.5.2.2 Recall settlement process: wording alignment to include the new business case

[...]

The following figure shows the possible statuses of a positive Recall Answer, the content of which determines the dataset of the payment transaction that should be settled in TIPS. As mentioned above TIPS acts as a channel between the Assigner and the Assignee without storing any messages data or internal statuses related to Recalls, Request for Status Update on a Recall and negative Recall Answers.

6) TIPS UDFS v1.1.0 - §2.1 Message routing: wording alignment to include the new business case

[...]

Entering in detail on the single message:

- "Outbound DN-BIC Routing" table is used to select the correct DN for a TIPS actor identified by a

BIC, in case of:

- Messages forwarded to other TIPS Actors, i.e.
 - FItoFICustomerCreditTransfer forwarded to the Beneficiary;
 - FIToFIPaymentCancellationRequest forwarded to the Recall Assignee;
 - ResolutionOfInvestigation forwarded to the Recall AssignerAssignee;
 - FIToFIPaymentStatusRequest forwarded to the Recall Assignee;
 - PaymentReturn forwarded to the Recall Assigner (Beneficiary).

7) TIPS UDFS v1.1.0 - §2.3 Recall: wording alignment to include the new business case

[...]

The involved messages are:

- The FIToFIPaymentCancellationRequest message, used to request the cancellation of an original Instant Payment transaction and the return of funds previously settled.
- The PaymentReturn message, used to respond positively to the Recall request.
- The ResolutionOfInvestigation message, used to respond negatively to the Recall request.
- The FItoFIPaymentStatusReport message sent by TIPS in the following cases:
 - To reject a Recall request or a Recall answer as they cannot be validated;
 - To notify to the Assignee the successful settlement of the Recall request as a result of the positive Recall answer.
- The ReturnAccount message can be possibly sent to Creditor Account Owner and/or Debtor Account Owner – if TIPS Actors have configured the floor and ceiling notification and if the related configured thresholds are reached.
- If no response to a previously sent FIToFIPaymentCancellationRequest is received, the Recall Assigner can send a FIToFIPaymentStatusRequest message to TIPS to request a 'Recall' status update. The message, after successful validation, is forwarded by TIPS to the Beneficiary Participant (i.e. the Recall Assignee) for further processing. The answer to such message generated by the Recall Assignee is either a PaymentReturn (positive response) or a ResolutionOfInvestigation (negative response).

[...]

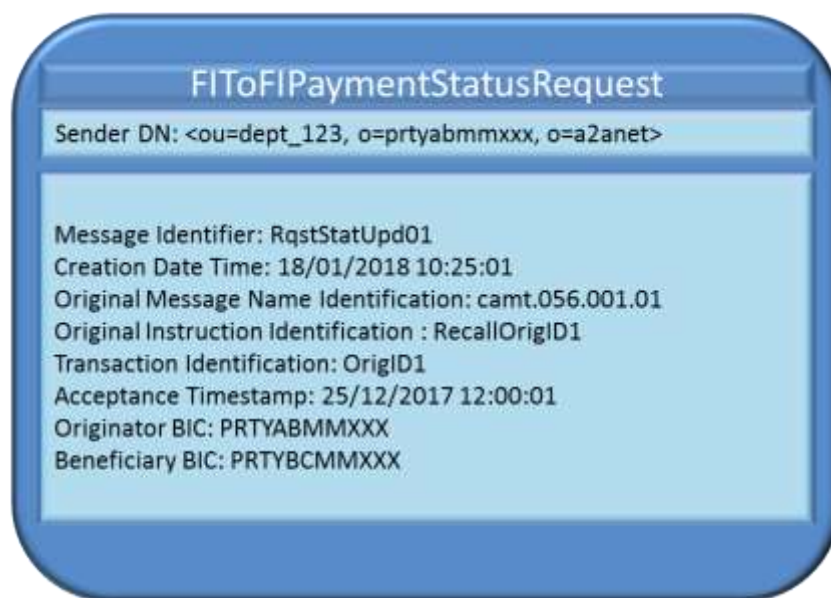
8) TIPS UDFS v1.1.0 - §2.3.1. Examples: new example for Request for Status Update on a Recall scenario

2.3.1.4 Successful scenario – Request for Status Update on a Recall

In this scenario:

- The current business date is 18/01/2018;
- A TIPS Participant (PRTYABMMXXX) sends a FIToFIPaymentStatusRequest message to TIPS in order to request a status update on a Recall. The Recall has been previously sent on 28/12/2017 (RecallOrigID1) and it is linked to the Payment transaction (OrigID1) previously settled on 25/12/2017. For the Recall transaction (RecallOrigID1), the TIPS Participant did not receive neither a Positive Answer nor a Negative Answer from the Beneficiary Participant.

Figura 1xx - Successful request for Status Update on a Recall



- TIPS, after performing the expected checks successfully:
 - o It identifies the DN of the Assignee (<ou=dept_123, o=prtybcmxxx, o=a2anet>);
 - o It forwards the FIToFIPaymentStatusRequest message to the Recall Assignee DN.

9) TIPS UDFS v1.1.0 - Figure 52 to be updated: The new input message, i.e. the FIToFIPaymentStatusRequest (use case Request for Status Update on a Recall), shall be taken into account in the diagram at steps 1 and 4

10) TIPS UDFS v1.1.0 – Table 23 – Recall steps: involved messages of steps 1 and 4 shall be amended accordingly to cope with the new input message

Table 13 – Recall steps

Step	Involved messages	Involved actors	Description
1	FIToFIPaymentCancellationRequest FIToFIPaymentStatusRequest	Recall Assigner as sender TIPS as receiver	TIPS receives an incoming Recall request from the Recall Assigner. Technical validation, check of mandatory fields and authentication checks have already been successfully executed by the ESMIG.
[...]	[...]	[...]	[...]
4	FIToFIPaymentCancellationRequest FIToFIPaymentStatusRequest	TIPS as sender Recall Assignee as receiver	TIPS forwards the received Recall request to the Recall Assignee DN.
[...]	[...]	[...]	[...]

11) TIPS UDFS v1.1.0 – §3.3.1. List of messages – Table 36: Recall scenario added to pacs.028

Table 26 – List of messages

ISO Message	Message Name	Scenario
Error! Reference source not found.		
[...]	[...]	[...]
pacs.028.001.01	FIToFIPaymentStatusRequest	Investigation <u>and</u> Recall
[...]	[...]	[...]

12) TIPS UDFS v1.1.0 – §3.3.2.1.2 PaymentReturn (pacs.004.001.02): description of the new business case to be added

The PaymentReturn message is sent by the Assignee Participant as a confirmation for a Recall instructed by the Assigner Participant.

Additionally, the PaymentReturn message can be sent in reply to a Request for Status Update on a Recall.

After processing the request, TIPS forwards the PaymentReturn message to the Assigner Participant who formerly instructed the Recall and sends a PaymentStatusReport message to the Assignee Participant.

Message specification is compliant to EPC DS-06 Answer to a Recall of an SCTInst Dataset as described in the SEPA Instant Credit Transfer scheme Rulebook.

13) TIPS UDFS v1.1.0 - §3.3.2.1.4 FIToFIPaymentStatusRequest (pacs.028.001.01): description of the new business case to be added

The FI to FI Payment Status Request message allows instructing TIPS for retrieving the status of an Instant Payment transaction.

This message covers the scenarios of (i) Status investigation message and (ii) Request for Status Update on a Recall:

- The Originator Bank or Instructing Party can start the investigation process on a previously instructed Instant Payment Transaction;
- The Originator Bank or Instructing Party can start the Request for Status Update on a Recall previously instructed.

Message specification is compliant to EPC DS-07 Interbank Payment Dataset as described in the SEPA Instant Credit Transfer scheme Rulebook.

Additional optional and mandatory fields not included in the DS-07 definition or in the following table, but foreseen by the EPC Inst Interbank Implementation Guidelines, are not used in TIPS.

14) TIPS UDFS v1.1.0 - §3.3.2.1.4 FIToFIPaymentStatusRequest (pacs.028.001.01): new table

Table 4x – Request for Status Update on a Recall

EPC Reference	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
<u>n/a</u>	<u>Message Identification</u>	<u>Point to point reference, as assigned by the instructing party.</u>	<u>FIToFIPmtStsReq/GrpHdr/MsgId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Creation Date Time</u>	<u>Date and time at which the message was created.</u>	<u>FIToFIPmtStsReq/GrpHdr/CreDtTm</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Instructing Agent</u>	<u>Agent that instructs the next party in the chain to carry out the instruction.</u>	<u>FIToFIPmtStsReq/GrpHdr/InstgAgt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Instructed Agent</u>	<u>Agent that is instructed by the previous party in the chain to carry out the instruction.</u>	<u>FIToFIPmtStsReq/GrpHdr/InstdAgt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Original Message Identification</u>	<u>Message Identification of the originating message</u>	<u>FIToFIPmtStsReq/OrgnGrpInf/OrgnlMsgId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Original Message Name Identification</u>	<u>Message identifier of the originating message</u>	<u>FIToFIPmtStsReq/OrgnGrpInf/OrgnlMsgNmId</u>	<u>Yes</u>	<u>Possible allowed value: "camt.056.001.01"</u>
<u>n/a</u>	<u>Status Request Identification</u>	<u>Unique identification, as assigned by an instructing party for an instructed party.</u>	<u>FIToFIPmtStsReq/TxInf/stsReqId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>

n/a	<u>Original Instruction Identification</u>	<u>Cancellation ID of the relevant camt.056 Transaction Information.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlInstrId</u>	No	If not present, the message will be rejected during the schema validation process.
AT-41	<u>Original End To End Identification</u>	<u>The Originator's reference of the SCTInst Transaction</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlEndToEndId</u>	Yes	Only schema validation is performed.
AT-43	<u>Transaction Identification</u>	<u>The Originator Bank's reference number of the SCTInst Transaction message</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxId</u>	Yes	Identification of the Payment Transaction to be investigated.
AT-50	<u>Acceptance Timestamp</u>	<u>Time Stamp of the SCTInst Transaction</u>	<u>FItoFIPmtStsReq/TxInf/accptncDtTm</u>	Yes	Acceptance timestamp of the Payment Transaction to be investigated.
n/a	<u>Original Transaction Reference</u>	<u>Same values as the message elements of the original instruction.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef</u>	Yes	Only schema validation is performed.
AT-04	<u>Settlement Amount</u>	<u>Amount of the SCT Inst in euro.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/IntrBkSttlmAmt</u>	No	Only schema validation is performed.
AT-42	<u>Settlement Date</u>	<u>The Settlement Date of the SCT Inst Transaction.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/IntrBkSttlmDt</u>	No	Only schema validation is performed.
n/a	<u>Settlement Information</u>	<u>Specifies the details on the settlement.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/SttlmInf</u>	No	Only schema validation is performed.
AT-40	<u>Scheme Identification Code</u>	<u>The identification code of the SCTInst Scheme</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/PmtTplnf/Svclv l/Cd</u> <u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/PmtTplnf/Lclns trm/Cd</u>	Yes	Possible values are checked within schema validation.
AT-45	<u>Category Purpose</u>	<u>The category purpose of the SCTInst Instruction</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/PmtTplnf/CtgyP urp</u>	No	Only schema validation is performed.
AT-05	<u>Remittance Information</u>	<u>The Remittance information.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/RmtInf</u>	No	Only schema validation is performed.
AT-08	<u>Originator Reference Party Name</u>	<u>The name of the Originator Reference Party</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/UltmtDbtr/Nm</u>	No	Only schema validation is performed.
AT-09	<u>Originator Reference Party Identification Code</u>	<u>The identification code of the Originator Reference Party</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/UltmtDbtr/Id</u>	No	Only schema validation is performed.
AT-02	<u>Debtor + Name</u>	<u>The name of the Originator.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/Dbtr/Nm</u>	No	Only schema validation is performed.
AT-03	<u>Debtor + Postal Address</u>	<u>The address of the Originator.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/Dbtr/PstlAdr</u>	No	Only schema validation is performed.
AT-10	<u>Debtor + Identification</u>	<u>The Originator identification code.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/Dbtr/Id</u>	No	Only schema validation is performed.
AT-01	<u>Debtor Account</u>	<u>The IBAN of the account of the Originator.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/DbtrAcct</u>	No	Only schema validation is performed.

AT-06	<u>Debtor Agent</u>	<u>The BIC code of the Originator Bank</u>	<u>FIToFIPmtStsReq/TxInf/OrgnlTxRef/DbtrAgt/FinInstnld/BICFI</u>	Yes	<u>This field is used in combination with the requestor Distinguish Name to check user access rights.</u>
AT-23	<u>Creditor Agent</u>	<u>The BIC code of the Beneficiary Bank.</u>	<u>FIToFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAgt/FinInstnld/BICFI</u>	No	<u>This field is used to forward the request. If not present, the message will be rejected during the schema validation process.</u>
AT-21	<u>Creditor + Name</u>	<u>The name of the Beneficiary.</u>	<u>FIToFIPmtStsReq/TxInf/OrgnlTxRef/Cdtr/Nm</u>	No	<u>Only schema validation is performed.</u>
AT-22	<u>Creditor + Postal Address</u>	<u>The address of the Beneficiary.</u>	<u>FIToFIPmtStsReq/TxInf/OrgnlTxRef/Cdtr/PstlAdr</u>	No	<u>Only schema validation is performed.</u>
AT-24	<u>Creditor + Identification</u>	<u>The Beneficiary identification code.</u>	<u>FIToFIPmtStsReq/TxInf/OrgnlTxRef/Cdtr/Id</u>	No	<u>Only schema validation is performed.</u>
AT-20	<u>Creditor Account</u>	<u>The IBAN of the account of the Beneficiary.</u>	<u>FIToFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAcct</u>	No	<u>Only schema validation is performed.</u>
AT-28	<u>Ultimate Creditor + Name</u>	<u>Name of the Beneficiary Reference Party.</u>	<u>FIToFIPmtStsReq/TxInf/OrgnlTxRef/UltmtCdtr/Nm</u>	No	<u>Only schema validation is performed.</u>
AT-29	<u>Ultimate Creditor + Identification</u>	<u>Identification code of the Beneficiary Reference Party.</u>	<u>FIToFIPmtStsReq/TxInf/OrgnlTxRef/UltmtCdtr/Id</u>	No	<u>Only schema validation is performed.</u>

15) TIPS UDFS v1.1.0 - §3.3.2.2.6 ResolutionOfInvestigation (camt.029.001.03): description of the new business case to be added

The Resolution of Investigation message is sent by the Assignee party of a FIToFIPaymentCancellationRequest (Recall), triggered by an Assigner party for a formerly settled Instant Payment transaction, as a negative response. The Recall's Assignee party becomes the Assigner party of the negative answer.

Additionally, the ResolutionOfInvestigation message can be sent in reply to a Request for Status Update on a Recall.

Message specification is compliant to EPC DS-06 Interbank Payment Dataset as described in the SEPA Instant Credit Transfer scheme Rulebook.

TIPS receives this message by the Assignee party, checks the related access rights and the reachability of the Assigner party.

No further processing but message schema validation is performed as the message is directly forwarded to the party which formerly triggered the Recall process.

16) TIPS UDFS v1.1.0 – XSD of the pacs.028.001.01: schema shall be updated in order to cope with the new scenario of Request for Status Update on a Recall

17) TIPS UDFS v1.1.0 – §4.6 List of referenced documents

	Title	Source
[1]	SEPA Instant Credit Transfer (SCT ^{Inst}) Scheme Rulebook, Version 1.40, 2019 7	EPC
[2]	SEPA Instant Credit Transfer Scheme Interbank Implementation Guidelines, Version 1.0 12 , 2019 7	EPC

[3]	TARGET Instant Payment Settlement User Requirements	ECB
[4]	TARGET Instant Payment Settlement User Handbook	4CB
[5]	TIPS Connectivity Guide	4CB

ESMIG^{TIPS} UDFS

18) ESMIG^{TIPS} UDFS v1.1.0 - §1.5.3 – Table 2: two additional technical validations shall be implemented to make sure the processing of the pacs.028 is done correctly in the two scenarios of Investigation and Request for Status Update on a Recall.

Table 2 - Cross-field validations

ISO CODE	Field/Group	Check to be performed	X-PATH	ERROR Code	Output message
[...]	[...]	[...]	[...]	[...]	[...]
pacs.028.001.01	Original Message Name Identification Original Instruction Identification	Original Message Name Identification = "camt.056.001.01" and Original Instruction Identification not specified.	FItoFIPmtStsReq/OrgnlGrpInf/OrgnlMsgNmId FItoFIPmtStsReq/TxInf/OrgnlInstrId	MS01	pacs.002.001.03
pacs.028.001.01	Original Message Name Identification Creditor Agent	Original Message Name Identification = "camt.056.001.01" and Creditor Agent not specified.	FItoFIPmtStsReq/OrgnlGrpInf/OrgnlMsgNmId FItoFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAgt/ FinInstnId/BICFI	MS01	pacs.002.001.03

TIPS QUALIFICATION TRAINING MATERIAL

19) FN.040_Settlement_of_Instant_Payments_v1.2_0: the following changes are required.

- Recall section, new sub-section 'Request for Status Update on a Recall flow'; new slides are required to show the Request for Status Update on a Recall processing;
- Recall section, slide 52: list of involved messages has to be updated by adding the FI-to-FI Payment Status Request (pacs.028.001.01) message.

High level description of Impact:

Outcome/Decisions:

Impact on TIPS	
Business Interface	
	A2A Interface
	U2A Interface
Settlement Engine	
	Payment Transaction
	Liquidity Transfer
x	Recall
Queries and Reports	
	Queries
	Reports
Common Components	
x	ESMIG
	CRDM
	Archiving
	Billing
	DMT
Operational Tools	
	SLA Reporting
	TMS
	Technical Monitoring
	Change Management
	Capacity Management
Infrastructure request	
	Application components impacted
	Application components not impacted
Operational activities	
	Business activities impacted
	Technical activities impacted
New functionalities	

Impact on documentation		
Document	Chapter	Change
UDFS	TIPS UDFS - §1.5.2.2 Recall settlement process - §2.1 Message routing - §2.3 Recall - §2.3.1. Examples - Figure 52 - Table 23 – Recall steps - §3.3.1. List of messages - §3.3.2.1.2 PaymentReturn - §3.3.2.1.4 FIToFIPaymentStatusRequest - §3.3.2.2.6 ResolutionOfInvestigation - XSD of the pacs.028.001.01	Description of the new business case Description of the new business case Description of the new business case New example Diagram to be enhanced Steps 1 and 4 shall be amended Update of table 36 Description of the new business case New business case and new table Description of the new business case Schema file to be updated
	ESMIG UDFS - §1.5.3 – Table 2	Two additional technical validations shall be added
UHB		
Training documentation	TIPS User Training - FN.040 Settlement_of_Instant_Payments	New slides to show the Request for Status Update on a Recall processing;
Other documents		

Overview of the impact of the request on TIPS (L2 view)
Summary of functional, operational, development, infrastructure and security impacts
<p><u>Summary of functional impact:</u></p> <p>TIPS URD, TIPS UDFS, ESMIG^{TIPS} UDFS and TIPS Qualification training material shall be updated in order to include the new business case related to the recall processing, stemming from the updated EPC SCT Inst scheme documentation 2019.</p> <p><u>Summary of operational impact:</u></p> <p>No operational impact.</p> <p><u>Summary of application development impact:</u></p>

TIPS must be able to identify the new type of pacs.028, sent by actors as "Recall status update request", and to differentiate the processing from what is triggered by pacs.028 for Investigation.

Afterwards, TIPS must perform authorization checks.

Finally, pacs.028 must be forwarded to the relevant recipient

Notes:

- 1) Recipient of pacs.028 is extracted from the incoming pacs.028, not derived by the original Instant Payment, neither from the preceding recall request.
- 2) The whole business case does not produce any persistent trace (neither the incoming nor the outgoing message are stored, nor other database instances are updated).

Summary of infrastructure impact:

Ask NSPs to put in place changes to make possible to transport pacs.028 in outbound (in addition to pacs.028 inbound).

Summary of security impact:

No security impact.

L3 detailed analysis

Functional analysis

Impact description:

A new business case for recall processing stemming from the updated ECP SCT Inst scheme documentation

2019 will be implemented.

Assumptions

Functional Specifications

This workstream includes the following activities:

1. Update of the User Detailed Functional Specifications for TIPS
2. Update of the User Detailed Functional Specifications for ESMIG^{TIPS}

Test Specifications

This work stream includes the following activities:

1. Setup of the test plan.
2. Drafting of the functional test cases.

Text Execution

This work stream includes the following activities:

1. Execution of all the test cases included in the test plan.
2. Management of all the defects identified during the IAC testing phase.

Other Project Tasks

Update of the training documentation.

Running Phase

Impact on documentation:

See "Impact on documentation" section.

Planning:

<i>Component</i>	<i>Activity</i>	<i>Target</i>
<i>TIPS (Recall processing)</i>	<i>Functional Specifications</i>	TIPS R2.0
	<i>Test Specifications</i>	TIPS R2.0
	<i>Test Execution</i>	TIPS R2.0
	Overall TIPS	TIPS R2.0
<i>ESMIG</i>	<i>Functional Specifications</i>	TIPS R2.0
	<i>Test Specifications</i>	TIPS R2.0
	<i>Test Execution</i>	TIPS R2.0
	Overall ESMIG	TIPS R2.0
	Overall Change Request	TIPS R2.0

Cost assessment:

Total functional effort in project phase:

<i>Component</i>	<i>Activity</i>	<i>Effort</i>
<i>TIPS (Recall processing)</i>	<i>Functional Specifications</i>	3 man-days
	<i>Test Specifications</i>	1 man-days
	<i>Test Execution</i>	3,5 man-days
	Total TIPS	7,5 man-days
<i>ESMIG</i>	<i>Functional Specifications</i>	1 man-days
	<i>Test Specifications</i>	0,5 man-days
	<i>Test Execution</i>	1 man-days
	Total ESMIG	2,5 man-days
	Total Change Request	10 man-days

Total functional effort in running phase: 0,9MD (per year)

Operational analysis
Impact description: No operational impact.
Impact on documentation:
Planning:
Cost assessment:

Application development analysis
Impact description:
<u>Assumptions</u>
Summary of the impacts:
TIPS BACKEND:
<ul style="list-style-type: none"> Identify the new type of pacs.028: Perform authorization checks (to be clarified by FIT) Extract the recipient of the message to be forwarded (to be clarified by FIT) Forward the message to the recipient.
TIPS TESTING TOOL:
<ul style="list-style-type: none"> Add outgoing pacs.028:
MAIN ASSUMPTIONS:
<ol style="list-style-type: none"> Recipient of pacs.028 is extracted from the incoming pacs.028, not derived by the original Instant Payment, neither from the preceding recall request. The whole business case doesn't produce any persistent trace (neither the incoming nor the outgoing

message are stored, nor other database instances are updated.

Backward compatibility:

As a new feature, no special care must be paid to ensure live change and backward compatibility.

Technical documentation

Update of technical documentation for TIPS Message Router

Test e quality assurance

1. Execution of ad-hoc unit tests and integration test cases
2. Enhancement of test automation suite to include new functions and to adapt test submission and expected results for changed functions.

Other Project Tasks

Liaise with NSPs to check if some activities are needed in order to make possible to transport pacs.028 in outbound (in addition to pacs.028 inbound).

Running Phase

N/A

Impact on documentation:

Planning:

Component: TIPS Message router (recall processing):

Phase: Technical analysis and *User stories* drafting - Planning: TIPS R2.0

Phase: Implementation - Planning: TIPS R2.0

Phase: Integration tests - Planning: TIPS R2.0

Cost assessment:

Total application development effort in project phase:

- 0 man days of external staff,
- 34,5 man days of internal staff
- 3 man days of internal staff for test automation (10%)

Total application development effort in running phase: 3,4MD (per year)

Infrastructure analysis

Impact description:

No infrastructure impact.

Impact on documentation:

<i>Planning:</i>
<i>Cost assessment:</i>

Security analysis
<i>Impact description:</i> No security impact.
<i>Impact on documentation:</i>
<i>Planning:</i>
<i>Cost assessment:</i>