Change Request form

General Information (Origin of Request)
☒ User Requirements Document (URD)
☐ Other User Functional or Technical Documentation (SYS)
☐ Other TIPS Documentation (OTD)

Request raised by:	Date raised:	
Riksbank	14/02/2020	
Request title: **TIPS adaptation stemming from Riksbank requirements – Lot 2**	**Name of Central Bank:** Riksbank	**Request ref. no:** TIPS CR.0031.URD

Categorisation of changes	
1. Functional/technical importance parameter: TBD	**4. Legal importance parameter:** TBD
2. Operational importance parameter: TBD	**5. Financial importance parameter:** TBD
3. Stakeholder importance parameter: TBD	
Status: Allocated to a Release	

Description of requested change:

The high-level functional analysis of all TIPS features (including the relevant common components and MPL) against the RIX-INST requirements identified a list of required changes to be implemented in TIPS.

In order to cater for the planning needs expressed by Riksbank and to reduce project risks, all changes should be implemented incrementally, taking advantage of the available releases in 2021 and 2022, i.e. R.3.1 (June 2021), R.4.0 (November 2021) and R.4.1 (May 2022).

For this reason, the full scope of the required changes is split into three separate change requests whose individual content is outlined below:

CR Lot 1:

- new settlement model based on a Single Instructing Party (SIP), with immediate settlement and no reservation of funds;
- customization of a sub-set of A2A messages for both settlement models;
- Common Reference Data Management (CRDM) adaptation and configuration.

CR Lot 2:

- customization of a sub-set of A2A messages for both settlement models;
- interactions between an external RTGS and TIPS;
- definition of a separate set of system parameters for the investigation process and the maximum amount in SEK currency.

Change Request form

CR Lot 3:

- new reconciliation process;
- provision of the daily consumption file in SEK and definition of an extended set of statistical indicators.

This change request copes with the changes envisaged in lot 2. The detailed scope of the proposed changes is described below.

Customisation of A2A messages

The current charset supported by TIPS (UTF-8) includes Latin-4 (ISO-8859-4), which covers the Scandinavian characters plus "@".

As to references, identifications and identifiers contained in messages, RIX-INST shall adopt the same pattern restrictions currently implemented in TIPS.

Furthermore, RIX-INST shall adopt the same amount format already implemented in TIPS, i.e. 18.2 (i.e. a maximum of 18 digits, including a maximum of two decimal positions).

With specific reference to the additional RIX-INST requirements for A2A messages, new dedicated message customisations have to be developed, as TIPS must remain EPC SCT-Inst compliant. The list of RIX-INST message-related requirements is as follows:

I. Implementation of customisations for the following message type, in order to remove the currency code restriction to EUR and to allow any currency code:

- pacs.004

II. Implementation of new fields to convey Alias/Proxy information for Creditor and Debtor (not used for processing in TIPS) in customisations related to the following message types:

- camt.056
- camt.029
- pacs.004
- pacs.028

III. Implementation of new values for the Charge Bearer field (not used for processing in TIPS) in customisations related to the following message type:

- pacs.004

IV. Implementation of new values for the Service Level field (not used for processing in TIPS) in customisations related to the following message type:
- pacs.028

In addition to the above mentioned changes, the required mandatory fields should be kept to a minimum (e.g. only those required by the ISO-standard and are required for settlement should be mandatory).

Interactions between an external RTGS system and TIPS

An external RTGS shall make use of the standard TIPS process for the settlement of *Inbound Liquidity Transfers*. Currently, TIPS receives Inbound Liquidity Transfers from the RTGS for Euro via an internal channel. *Inbound Liquidity Transfer* processing shall be adapted in order to allow processing *Inbound Liquidity Transfers* in other currencies received from an external channel via the Network Service Provider (NSP), and to send the related confirmation/rejection messages via the same channel.

An external RTGS shall make use of the standard TIPS process for the settlement of *Outbound Liquidity Transfers*. The current TIPS functionality foresees that any *Outbound Liquidity Transfer* received from the customer, after successful validation and settlement in TIPS, is forwarded to the RTGS for Euro via an internal channel. Therefore, *Outbound Liquidity Transfer* process shall be adapted in order to manage the communication with another RTGS system through an external channel via the NSP for all the *Outbound Liquidity Transfers* in other currencies. *Outbound Liquidity Transfer* orders triggered in an external RTGS (i.e. Pull functionality) shall be managed accordingly.

An external RTGS shall make use of the standard RTGS query functionality for (i) the *Account Balance and Status Query* and (ii) *CMB Limit and Status Query*, for entities denominated in the currency related to the external RTGS, using the above-mentioned external channel through the NSP.

Besides the processing of inbound/outbound liquidity transfers and the processing of queries, TIPS foresees two other types of interactions with any RTGS System: (i) the opening/closure of the RTGS System (for the maintenance window, the weekend or banking holidays) and (ii) the change of business date of the RTGS System. The communication with TARGET2 currently takes place via the internal channel. Therefore, the existing TIPS functionality shall be amended in a way to allow the aforementioned interactions with any external RTGS using the external channel that goes through the NSP.

Furthermore, a new version of the camt.019 message, used for such interaction, is required to remove the fixed reference to TARGET2 that is present in the current schema.

Finally, with specific reference to the contingency scenario in which the communication between an external RTGS and TIPS is interrupted, it shall be possible to inject/drain liquidity into/from TIPS Accounts denominated in a given currency by debiting/crediting directly the relevant RTGS Transit Account in the same currency and conversely crediting/debiting the given TIPS Accounts by means of internal Liquidity Transfers in TIPS, as already envisaged by the change request TIPS-0011-URD.

System parameters

Specific values for the system parameters related to (i) the investigation process and (ii) the maximum amount allowed in SEK shall be implemented. More in detail:

I. **Investigation Offset**(SEK): A well-formed Investigation request for an Instant Payment in SEK is accepted and processed by TIPS only if it is received when at least the Investigation Offset(SEK) is elapsed[1] , after the reception of the underlying Instant Payment[2];

II. **Maximum Amount**(SEK): The parameter defines the maximum amount in SEK currency which can be settled with a single Instant Payment transaction involving two TIPS Accounts denominated in Swedish Krona.

These system parameters shall be maintained by the TIPS Operator and shall be applicable only to Instant Payment transactions in SEK currency. No impact is envisaged on the already existing set of system parameters, which shall remain valid for transactions in Euro currency.

RIX Directory

To support the routing in TIPS of instant payments denominated in SEK, the needed routing information is provided in a structured TIPS Directory which is delivered to TIPS Actors based on a report subscription.

The RIX Directory shall include the list of all BICs of TIPS Participants and Reachable Parties that are addressable within TIPS by using the RIX Inst and SIP model. This means that a segregation per denomination currency of the accounts has to be triggered in CRDM.

RIX Participants may receive the RIX Directory in two ways:

l   push mode: each day, when the end-of-day is reached, CRDM sends the full version or the delta version of the RIX Directory to all RIX^{Inst} Participants who created for this an appropriate Report Configuration.

l   pull mode: at any time during the service hours of CRDM, a RIX^{Inst} Participant may download either the full version or the delta version of the RIX Directory from a CRDM web-page.

The name of the flat file that contains the RIX Directory is as follows: TIPSXXXTTTTYYYYMMDD where:

l   TTTT is the type, i.e. FULL for the full version and DLTA for the delta version;

l   XXX is the currency related to the records included in the directory;

l   YYYYMMDD specifies the year, month and day as of which the RIX Directory is valid.

_____

Reason for change and expected benefits/business motivation:

All changes listed in the three lots described above are necessary for the smooth on-boarding of the Riksbank community in TIPS, for the settlement of Instant Payments in central bank money.

_____

Submitted annexes / related documents:

_____

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

TIPS UDFS for Riksbank

1) **§1.5.3 Liquidity Management**

TIPS provides liquidity management functionalities to allow the transfer of liquidity between TIPS Accounts and RTGS Accounts, in both directions. Liquidity transfers can only be performed between accounts – TIPS and RTGS – that are denominated in the same currency.

TIPS foresees two different types of Liquidity Transfer: Inbound (from an RTGS System to TIPS) and Outbound (from TIPS to an RTGS System).

~~All~~Inbound and outbound Liquidity Transfers~~, regardless of the type,~~ are settled by moving the liquidity through an RTGS Transit Account. TIPS has one and only one Transit Account defined for each currency. The Central Bank responsible for the RTGS System related to a given currency is the Central Bank accountable for the Transit Account. The ECB is responsible for the Transit Account denominated

---

[1] Any Investigation received prior to the Investigation Offset is elapsed shall be rejected by TIPS.

[2] The reception of an Investigation whose underlying Instant Payment is still pending, e.g. waiting for an answer from the Beneficiary PSP, shall trigger the timeout procedure for the relevant Instant Payment.

in euro. whereas each non-Euro Central Bank is responsible for the Transit Account denominated in their currency.

Liquidity transfers do not entail a reservation of funds, unlike Instant Payment transactions, and are settled immediately.

2) §1.6.1.4 TIPS General Ledger

In the specific case of the RTGS for euro, TIPS provides a general ledger file to TARGET2 for accounting and Reserve Management purposes. As for non-Euro currencies, TIPS provides the relevant RTGS system with a General Ledger carrying the information related to TIPS Accounts (and transit account) denominated in the given currency for the past business date. In order to convey such a set of information to the relevant RTGS system a camt.053 message is used.

3) §1.6.1.4.1 TIPS General Ledger production

When TARGET2 starts its End-of-Day process, it sends a ReturnBusinessDayInformation to TIPS, in order to inform the latter that no more liquidity transfers are accepted by TARGET2 and TIPS starts to finalise all pending liquidity transfers towards TARGET2.

After the finalisation of the pending liquidity transfers, TIPS confirms it with the delivery of a Receipt (camt.025) to TARGET2.

After that and upon request via ReturnBusinessDayInformation from TARGET2, TIPS generates and provides a general ledger file based on "TIPS EoD account balances" data related to the business day that just elapsed and that TARGET2 uses to build and provide general ledgers to the Central Banks.

Exactly the same communication protocol applies also to the End-of-Day processing related to non-Euro RTGS system connected to TIPS.

4) §1.6.1.4.2 Content

The general ledger messagefile contains all accounts in a given currencyeuro held in TIPS, including the transit account denominated in the same currencyeuro.

TIPS sends to each RTGS systemTARGET2 a single not compressed flat filemessage containing records without a particular order.

TIPS delivers general ledger data that fulfil the following condition: the sum of all balances of the TIPS accounts denominated in a given currencyeuro (excluding the transit account for that currencyeuro) must be equal to the balance on the transit account for that currency in absolute value.

5) §1.7.1 Service configuration – Table 35

Parameter name	Description	Default value
[...]	[...]	[...]

Change Request form

Parameter name	Description	Default value
SCTInst Timestamp Timeout	The time window foreseen in SCTInst scheme after which an Instant Payment transaction must be rejected due to timeout. This parameter is expressed in milliseconds.	20,000
Originator Side Offset	It is a configurable offset for evaluation of the SCT^{Inst} Timestamp Timeout applied to the reception of the message sent by Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party. This parameter can only have values smaller than or equal to zero. An Instant Payment Transaction sent by the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party can be rejected due to timeout in the event that the message is submitted to TIPS with a timestamp (the SCT^{Inst} timestamp, field AT-50 in DS-02) that is already past the timeout window (SCT^{Inst} Timestamp Timeout + Originator Side Offset). This parameter is expressed in milliseconds.	-1,000
Beneficiary Side Offset	It is a configurable offset for evaluation of the SCT^{Inst} Timestamp Timeout applied to the reception of the message sent by Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party. Rejections due to timeout can occur in the event that the Beneficiary Reply message is not received or if it is submitted to TIPS with a timestamp (the SCT^{Inst} timestamp, field AT-50 in DS-02) that is already past the timeout window (SCT^{Inst} Timestamp Timeout + Beneficiary Side Offset). This parameter is expressed in milliseconds.	1,000
Sweeping Timeout	The time window after which the sweeping daemon looks for pending payments for which: (i) a valid and timely confirmation from the Beneficiary Participant has not been received yet and (ii) the SCT^{Inst} Timestamp Timeout. is elapsed. 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.	*30*
Maximum Amount	Maximum amount – defined for each settlement currency – which can be transferred by a single Instant Payment transaction. The parameter must allow an "unlimited" value.	*Unlimited (for Euro), tbd (for SEK)*
[…]	[…]	[…]
Investigation Offset	Configurable offset foreseen in SCT^{Inst} scheme. An Investigation request can be accepted only if it is received after SCT^{Inst} Timestamp Timeout of the Instant Payment transaction + Investigation Offset. This parameter is expressed in milliseconds.	5,000

Change Request form

Parameter name	Description	Default value
Investigation Offset (non-Euro currency)	Configurable offset foreseen in the non-Euro currency scheme. An Investigation request can be accepted only if it is received after Timestamp Timeout of the Instant Payment transaction + Investigation Offset (non-Euro currency). This parameter is expressed in milliseconds and can hold a negative value.	*tbd*
RTGS Alert	Configurable timeframe after which the TIPS Operator is notified about a missing answer from the RTGS to an Outbound liquidity transfer. The parameter value is expressed in minutes.	15

6) §2.1 Message routing – Table 36

Table 36 – Network services

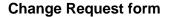| Data Exchange	Inbound transfer services	Outbound transfer services
[...]	[...]	[...]
Reports (push)	n/a	File-based, store-and-forward
Raw data and data for General Ledger	n/a	File transfer to the RTGS system~~TARGET2~~

7) §2.4 Investigation

[…]

TIPS answers to an investigation request only if it is received when the time-out period for Instant Payment transaction is expired for more than 5 seconds (Investigation Offset + SCTInst Timestamp Timeout), as indicated in the SCTInst scheme rulebook. In the non-Euro currency scheme the Investigation can be triggered after a reduced time calculated on the basis of Instant payment Timeout and the Investigation Offset(non-Euro currency).

8) §2.4.1 Example of Investigation

The examples on the investigation processing have to be enriched taking into account the RIX[Inst] scenario.

9) §3.3.2.1.7 PaymentReturnV09

PaymentReturn (pacs.004.001.09)

Change Request form

The PaymentReturn message is used for non-Euro settlement models and it 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.

Table XX – Description of the fields pacs.004.001.09

Reference Name	Description	XML path	Mand.	TIPS Usage
Message Identification	The Identification of the message.	PmtRtr/GrpHdr/MsgId	Yes	Only schema validation is performed.
Creation Date Time	Date and time at which the message was created.	PmtRtr/GrpHdr/CreDtTm	Yes	Only schema validation is performed.
Number Of Transactions	Number of individual transactions contained in the message.	PmtRtr/GrpHdr/NbOfTxs	Yes	TIPS supports only one transaction per message. If this field is not "1", message will be rejected.
Total Returned Interbank Settlement Amount	Total amount of money moved.	PmtRtr/GrpHdr/TtlRtrdIntrBkSttlmAmt	Yes	Only schema validation is performed.
Interbank Settlement Date	The Settlement Date for the positive answer to the Recall	PmtRtr/GrpHdr/IntrBkSttlmDt	No	Only schema validation is performed.
Settlement Method	Method used to settle the Instant Payment Transaction.	PmtRtr/GrpHdr/SttlmInf/SttlmMtd	Yes	Possible values are checked within schema validation.
Settlement Account	A specific purpose account used to post debit and credit entries as a result of the transaction.	PmtRtr/GrpHdr/SttlmInf/SttlmAcct	No	Only schema validation is performed.
Clearing System	Specification of a pre-agreed offering between clearing agents or the channel through which the Instant Payment transaction is processed.	PmtRtr/GrpHdr/SttlmInf/ClrSys	No	Only schema validation is performed.
Instructing Agent	Agent that instructs the next party in the chain to carry out the instruction.	PmtRtr/GrpHdr/InstgAgt	No	Only schema validation is performed.
Instructed Agent	Agent that is instructed by the previous party in the chain to carry out the instruction.	PmtRtr/GrpHdr/InstdAgt	No	Only schema validation is performed.

Change Request form

Reference Name	Description	XML path	Mand.	TIPS Usage
Original Group Information	Information concerning the original group of transactions, to which the message refers.	PmtRtr/OrgnlGrpInf	No	Sub-elements of 'Original Group Information' must be present in either'Original Group Information' or in 'Transaction Information'. If any of these sub-elements is included in both components, message will be rejected.
Original Group Information + Original Message Identification	Point to point reference, as assigned by the original instructing party, to unambiguously identify the original message.	PmtRtr/OrgnlGrpInf/OrgnlMsgId	Yes	This information must be present in either'Original Group Information' or in 'Transaction Information'. If it is included in both components, message will be rejected.
Original Group Information + Original Message Name Identification	Specifies the original message name identifier to which the message refers. Only pacs.008.001.08 is allowed.	PmtRtr/OrgnlGrpInf/OrgnlMsgNmId	Yes	This information must be present in either'Original Group Information' or in 'Transaction Information'. If it is included in both components, message will be rejected.
Transaction Information	Information concerning the original transactions, to which the return message refers.	PmtRtr/TxInf	Yes	TIPS supports only one transaction per message. If more than one Transaction Information block is included, message will be rejected.
Return Identification	Unique identification, as assigned by an instructing party for an instructed party, to unambiguously identify the returned transaction.	PmtRtr/TxInf/RtrId	Yes	TIPS uses this field for the duplicate check
Transaction Information + Original Group Information	Information concerning the original group of transactions, to which the message refers.	PmtRtr/TxInf/OrgnlGrpInf	No	Sub-elements of 'Original Group Information' must be present in either'Original Group Information' or in 'Transaction Information'. If any of these sub-elements is included in both components, message will be rejected.
Transaction Information + Original Group Information ++ Original Message Identification	Point to point reference, as assigned by the original instructing party, to unambiguously identify the original message.	PmtRtr/TxInf/OrgnlGrpInf/OrgnlMsgId	Yes	This information must be present in either 'Original Group Information' or in 'Transaction Information'. If it is included in both components, message will be rejected.
Transaction Information + Original Group Information ++ Original Message Name Identification	Specifies the original message name identifier to which the message refers. Only pacs.008.001.08 is allowed.	PmtRtr/TxInf/OrgnlGrpInf/OrgnlMsgNmId	Yes	This information must be present in either'Original Group Information' or in 'Transaction Information'. If it is included in both components, message will be rejected.
Original Instruction Identification	Unique identification, as assigned by the original instructing party for the original instructed party, to unambiguously identify the original instruction.	PmtRtr/TxInf/OrgnlInstrId	No	It is mandatory if provided in the original transaction. Only schema validation is performed.
Original End To End Identification	The Originator's reference of the Instruction.	PmtRtr/TxInf/OrgnlEndToEndId	No	Only schema validation is performed.

Change Request form

Reference Name	Description	XML path	Mand.	TIPS Usage
Original Transaction Identification	The Originator Bank's reference of the Transaction message.	PmtRtr/TxInf/OrgnlTxId	No	Only schema validation is performed.
Original UETR	UETR number of the Transaction message	PmtRtr/TxInf/OrgnlUETR	No	Only schema validation is performed.
Original Interbank Settlement Amount	The amount .	PmtRtr/TxInf/OrgnlIntrBkSttlmAmt	No	Only schema validation is performed.
Returned Interbank Settlement Amount	The returned amount of the positive answer to the Recall.	PmtRtr/TxInf/RtrdIntrBkSttlmAmt	Yes	Amount to be settled in TIPS.
Returned Instructed Amount	Amount of money to be moved between the debtor and the creditor, before deduction of charges, in the returned transaction.	PmtRtr/TxInf/RtrdInstdAmt	No	Only schema validation is performed.
Charge Bearer	Specifies which party/parties will bear the charges associated with the processing of the payment transaction.	PmtRtr/TxInf/ChrgBr	No	Only schema validation is performed.
Charges Information + Amount	The fee for the positive answer to a Recall (optional)	PmtRtr/TxInf/ChrgsInf/amt	No	It is mandatory if Charges Information component is included.\n\nOnly schema validation is performed.
Charges Information + Agent ++ Financial Institution Identification	The BIC code of the Beneficiary Bank.	PmtRtr/TxInf/ChrgsInf/Agt/FinInstnId	No	Only schema validation is performed.
Transaction Information + Instructing Agent	Agent that instructs the next party in the chain to carry out the instruction.	PmtRtr/TxInf/InstgAgt	No	Only schema validation is performed.
Transaction Information + Instructed Agent	Agent that is instructed by the previous party in the chain to carry out the instruction.	PmtRtr/TxInf/InstdAgt	No	Only schema validation is performed.
	The type of "R" message			
Return Reason Information + Originator	The Identification of the type of party initiating the "R" message	PmtRtr/TxInf/RtrRsnInf/Orgtr	Yes	Only schema validation is performed.
Return Reason Information + Reason	The reason code for non-acceptance of the Transaction.	PmtRtr/TxInf/RtrRsnInf/Rsn/Cd	Yes	Only schema validation is performed.
Return Reason Information + Additional Information	The specific reference of the bank initiating the Recall	PmtRtr/TxInf/RtrRsnInf/addtlInf	Yes	Only schema validation is performed.
Interbank Settlement Date	The Settlement Date of the Transaction.	PmtRtr/TxInf/OrgnlTxRef/IntrBkSttlmDt	No	Only schema validation is performed.

Change Request form

target | TIPS

Reference Name	Description	XML path	Mand.	TIPS Usage
Settlement Information	Specifies the details on how the settlement of the original transaction between the instructing agent and the instructed agent was completed.	PmtRtr/TxInf/OrgnlTxRef/SttlmInf	No	Only schema validation is performed.
Scheme Identification Code	The identification code of the Scheme	PmtRtr/TxInf/OrgnlTxRef/PmtTpInf/SvcLvl/Cd PmtRtr/TxInf/OrgnlTxRef/PmtTpInf/LclInstrm/Cd	No	Only schema validation is performed.
Category Purpose	The category purpose of the Instruction.	PmtRtr/TxInf/OrgnlTxRef/PmtTpInf/CtgyPurp	No	Only schema validation is performed.
Remittance Information	The Remittance information.	PmtRtr/TxInf/OrgnlTxRef/RmtInf	No	Only schema validation is performed.
Ultimate Debtor + Name	The name of the Originator Reference Party.	PmtRtr/TxInf/OrgnlTxRef/UltmtDbtr/Pty/Nm	No	Only schema validation is performed.
Ultimate Debtor + Identification	The identification code of the Originator Reference Party.	PmtRtr/TxInf/OrgnlTxRef/UltmtDbtr/Pty/Id	No	Only schema validation is performed.
Debtor + Name	The name of the Originator.	PmtRtr/TxInf/OrgnlTxRef/Dbtr/Pty/Nm	No	Only schema validation is performed.
Debtor + Postal Address	The address of the Originator.	PmtRtr/TxInf/OrgnlTxRef/Dbtr/Pty/PstlAdr	No	Only schema validation is performed.
Debtor + Identification	The Originator identification code.	PmtRtr/TxInf/OrgnlTxRef/Dbtr/Pty/Id	No	Only schema validation is performed.
Debtor Account	The account of the Originator.	PmtRtr/TxInf/OrgnlTxRef/DbtrAcct	No	Only schema validation is performed.
Debtor Account Identification	Identification of the Debtor Account	PmtRtr/TxInf/OrgnlTxRef/DbtrAcct/Id	Yes	IBAN is used to identify an Account.
Debtor Account + Type	Debtor Account type used for Alias/Proxy	Document/PmtRtr/TxInf/OrgnlTxRef/DbtrAcct/Tp	No	Only schema validation is performed.
Debtor Account + Name	The Alias or Proxy of the account of the Debtor.	Document/PmtRtr/TxInf/OrgnlTxRef/DbtrAcct/Nm	No	Only schema validation is performed.
Debtor Agent	The BIC code of the Originator Bank.	PmtRtr/TxInf/OrgnlTxRef/DbtrAgt	No	Only schema validation is performed. This field is used in TIPS for recall answer processing.
Creditor Agent	The BIC code of the Beneficiary Bank.	PmtRtr/TxInf/OrgnlTxRef/CdtrAgt	No	Only schema validation is performed. This field is used in TIPS for recall answer processing.
Creditor + Name	The name of the Beneficiary.	PmtRtr/TxInf/OrgnlTxRef/Cdtr/Pty/Nm	No	Only schema validation is performed.
Creditor + Postal Address	The address of the Beneficiary.	PmtRtr/TxInf/OrgnlTxRef/Cdtr/Pty/PstlAdr	No	Only schema validation is performed.
Creditor + Identification	The Beneficiary identification code.	PmtRtr/TxInf/OrgnlTxRef/Cdtr/Pty/Id	No	Only schema validation is performed.
Creditor Account	The account of the Beneficiary.	PmtRtr/TxInf/OrgnlTxRef/CdtrAcct	No	Only schema validation is performed.

Change Request form

Reference Name	Description	XML path	Mand.	TIPS Usage
Creditor Account Identification	Identification of the Creditor Account	PmtRtr/TxInf/OrgnlTxRef/ CdtrAcct /Id	Yes	IBAN is used to identify an Account.
Creditor Account + Type	Creditor Account type used for Alias/Proxy	Document/PmtRtr/TxInf/Or gnlTxRef/CdtrAcct/Tp	No	Only schema validation is performed.
Creditor Account + Name	The Alias or Proxy of the account of the Creditor.	Document/PmtRtr/TxInf/Or gnlTxRef/CdtrAcct/Nm	No	Only schema validation is performed.
Ultimate Creditor + Name	Name of the Beneficiary Reference Party.	PmtRtr/TxInf/OrgnlTxRef/Ul tmtCdtr/Pty/Nm	No	Only schema validation is performed.
Ultimate Creditor + Identification	Identification code of the Beneficiary Reference Party.	PmtRtr/TxInf/OrgnlTxRef/Ul tmtCdtr/Pty/Id	No	Only schema validation is performed.

10) §3.3.2.1.8 FIToFIPaymentStatusRequestV03 (pacs.028.001.03)

FIToFIPaymentStatusRequest (pacs.028.001.03)

The FI to FI Payment Status Request message is used for non-Euro settlement models and it allows instructing TIPS for retrieving the status of an Instant Payment transaction.

This message covers the scenario 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.

Change Request form

Table XX – Status investigation Message pacs.028.001.03

Reference Name	Description	XML path	Mand.	TIPS Usage
Message Identification	Point to point reference, as assigned by the instructing party.	FIToFIPmtStsReq/GrpHdr/MsgId	Yes	Only schema validation is performed.
Creation Date Time	Date and time at which the message was created.	FIToFIPmtStsReq/GrpHdr/CreDtTm	Yes	Only schema validation is performed.
Instructing Agent	Agent that instructs the next party in the chain to carry out the instruction.	FIToFIPmtStsReq/GrpHdr/InstgAgt	No	Only schema validation is performed.
Instructed Agent	Agent that is instructed by the previous party in the chain to carry out the instruction.	FIToFIPmtStsReq/GrpHdr/InstdAgt	No	Only schema validation is performed.
Original Message Identification	Message Identification of the originating message	FIToFIPmtStsReq/OrgnlGrpInf/OrgnlMsgId	No	Only schema validation is performed.
Original Message Name Identification	Message identifier of the originating message	FIToFIPmtStsReq/OrgnlGrpInf/OrgnlMsgNmId	No	Possible allowed value "pacs.008.001.08"
Status Request Identification	Unique identification, as assigned by an instructing party for an instructed party.	FIToFIPmtStsReq/TxInf/stsReqId	No	Only schema validation is performed.
Original Instruction Identification	Unique identification, as assigned by the original instructing party for the original instructed party	FIToFIPmtStsReq/TxInf/OrgnlInstrId	No	Only schema validation is performed.
Original End To End Identification	The Originator's reference of the Transaction	FIToFIPmtStsReq/TxInf/OrgnlEndToEndId	No	Only schema validation is performed.
Transaction Identification	The Originator Bank's reference number of the Transaction message	FIToFIPmtStsReq/TxInf/OrgnlTxId	Yes	Identification of the Payment Transaction to be investigated.
Original UETR	UETR number of the Transaction message	FIToFIPmtStsReq/TxInf/OrgnlUETR	No	Only schema validation is performed.
Acceptance Timestamp	Time Stamp of the Transaction	FIToFIPmtStsReq/TxInf/accptncDtTm	No	Acceptance timestamp of the Payment Transaction to be investigated.
Category Purpose	The category purpose of the Instruction	FIToFIPmtStsReq/TxInf/OrgnlTxRef/PmtTpInf/CtgyPurp	No	Only schema validation is performed.
Scheme Identification Code	The identification code of the Scheme	FIToFIPmtStsReq/TxInf/OrgnlTxRef/PmtTpInf/SvcLvl/Cd FIToFIPmtStsReq/TxInf/OrgnlTxRef/PmtTpInf/LclInstrm/Cd	Yes	Only schema validation is performed.
Originator BIC	The BIC code of the Originator Bank	FIToFIPmtStsReq/TxInf/OrgnlTxRef/DbtrAgt/FinInstnId/BICFI	Yes	This field is used in combination with the requestor Distinguish Name to check user access rights.

Table XX - Request for Status Update on a Recall pacs.028.001.03

Change Request form

Reference Name	Description	XML path	Mand.	TIPS Usage
Message Identification	Point to point reference, as assigned by the instructing party.	FIToFIPmtStsReq/GrpHdr/MsgId	Yes	Only schema validation is performed.
Creation Date Time	Date and time at which the message was created.	FIToFIPmtStsReq/GrpHdr/CreDtTm	Yes	Only schema validation is performed.
Instructing Agent	Agent that instructs the next party in the chain to carry out the instruction.	FIToFIPmtStsReq/GrpHdr/InstgAgt	No	Only schema validation is performed.
Instructed Agent	Agent that is instructed by the previous party in the chain to carry out the instruction.	FIToFIPmtStsReq/GrpHdr/InstdAgt	No	Only schema validation is performed.
Original Message Identification	Message Identification of the originating message	FIToFIPmtStsReq/OrgnlGrpInf/OrgnlMsgId	No	Only schema validation is performed.
Original Message Name Identification	Message identifier of the originating message	FIToFIPmtStsReq/OrgnlGrpInf/OrgnlMsgNmId	No	Possible allowed value: "camt.056.001.08"
Status Request Identification	Unique identification, as assigned by an instructing party for an instructed party.	FIToFIPmtStsReq/TxInf/stsReqId	No	Only schema validation is performed.
Original Instruction Identification	Cancellation ID of the relevant camt.056 Transaction Information.	FIToFIPmtStsReq/TxInf/OrgnlInstrId	No	If not present, the message will be rejected during the schema validation process.
Original End To End Identification	The Originator's reference of the Transaction	FIToFIPmtStsReq/TxInf/OrgnlEndToEndId	No	Only schema validation is performed.
Transaction Identification	The Originator Bank's reference number of the Transaction message	FIToFIPmtStsReq/TxInf/OrgnlTxId	Yes	Identification of the Payment Transaction to be investigated.
Original UETR	UETR number of the Transaction message	FIToFIPmtStsReq/TxInf/OrgnlUETR	No	Only schema validation is performed.
Acceptance Timestamp	Time Stamp of the Transaction	FIToFIPmtStsReq/TxInf/accptncDtTm	No	Acceptance timestamp of the Payment Transaction to be investigated.
Original Transaction Reference	Same values as the message elements of the original instruction.	FIToFIPmtStsReq/TxInf/OrgnlTxRef	Yes	Only schema validation is performed.
Settlement Amount	Amount.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/IntrBkSttlmAmt	No	Only schema validation is performed.
Settlement Date	The Settlement Date of the Transaction.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/IntrBkSttlmDt	No	Only schema validation is performed.
Settlement Information	Specifies the details on the settlement.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/SttlmInf	No	Only schema validation is performed.
Scheme Identification Code	The identification code of the Scheme	FIToFIPmtStsReq/TxInf/OrgnlTxRef/PmtTpInf/SvcLvl/Cd FIToFIPmtStsReq/TxInf/OrgnlTxRef/PmtTpInf/LclInstrm/Cd	Yes	Only schema validation is performed.
Category Purpose	The category purpose of the Instruction	FIToFIPmtStsReq/TxInf/OrgnlTxRef/PmtTpInf/CtgyPurp	No	Only schema validation is performed.
Remittance Information	The Remittance information.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/RmtInf	No	Only schema validation is performed.

Originator Reference Party Name	The name of the Originator Reference Party	FIToFIPmtStsReq/TxInf/OrgnlTxRef/UltmtDbtr/Pty/Nm	No	Only schema validation is performed.
Originator Reference Party Identification Code	The identification code of the Originator Reference Party	FIToFIPmtStsReq/TxInf/OrgnlTxRef/UltmtDbtr/Pty/Id	No	Only schema validation is performed.
Debtor + Name	The name of the Originator.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/Dbtr/Pty/Nm	No	Only schema validation is performed.
Debtor + Postal Address	The address of the Originator.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/Dbtr/Pty/PstlAdr	No	Only schema validation is performed.
Debtor + Identification	The Originator identification code.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/Dbtr/Pty/Id	No	Only schema validation is performed.
Debtor Account	The account of the Originator.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/DbtrAcct	No	Only schema validation is performed.
Debtor Account Identification	Identification of the Originator Account	FIToFIPmtStsReq/TxInf/OrgnlTxRef/DbtrAcct/Id	Yes	IBAN is used to identify an Account.
Debtor Account + Type	Debtor Account type used for Alias/Proxy	Document/FIToFIPmtStsReq/TxInf/OrgnlTxRef/DbtrAcct/Tp	No	Only schema validation is performed.
Debtor Account + Name	The Alias or Proxy of the account of the Debtor.	Document/FIToFIPmtStsReq/TxInf/OrgnlTxRef/DbtrAcct/Nm	No	Only schema validation is performed.
Debtor Agent	The BIC code of the Originator Bank	FIToFIPmtStsReq/TxInf/OrgnlTxRef/DbtrAgt/FinInstnId/BICFI	Yes	This field is used in combination with the requestor Distinguish Name to check user access rights.
Creditor Agent	The BIC code of the Beneficiary Bank.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAgt/FinInstnId/BICFI	No	This field is used to forward the request. If not present, the message will be rejected during the schema validation process. Multiple instances of Transaction Information must report the same Creditor Agent BIC. Otherwise the message will be rejected by TIPS.
Creditor + Name	The name of the Beneficiary.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/Cdtr/Pty/Nm	No	Only schema validation is performed.
Creditor + Postal Address	The address of the Beneficiary.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/Cdtr/Pty/PstlAdr	No	Only schema validation is performed.
Creditor + Identification	The Beneficiary identification code.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/Cdtr/Pty/Id	No	Only schema validation is performed.
Creditor Account	The account of the Beneficiary.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAcct	No	Only schema validation is performed.
Creditor Account Identification	Identification of the Beneficiary Account	FIToFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAcct/Id	Yes	IBAN is used to identify an Account.
Creditor Account + Type	Creditor Account type used for Alias/Proxy	Document/FIToFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAcct/Tp	No	Only schema validation is performed.
Creditor Account + Name	The Alias or Proxy of the account of the Creditor.	Document/FIToFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAcct/Nm	No	Only schema validation is performed.
Ultimate Creditor + Name	Name of the Beneficiary Reference Party.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/UltmtCdtr/Pty/Nm	No	Only schema validation is performed.
Ultimate Creditor + Identification	Identification code of the Beneficiary Reference Party.	FIToFIPmtStsReq/TxInf/OrgnlTxRef/UltmtCdtr/Pty/Id	No	Only schema validation is performed.

11) §3.3.2.2.12 FIToFIPaymentCancellationRequestV03

FIToFIPaymentCancellationRequest (camt.056.001.08)

The FI To FI Payment Cancellation Request message is used for non-Euro settlement models and it allows instructing TIPS to trigger a recall process for a formerly settled Instant Payment transaction.

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

No further processing but message schema validation is performed as the message is directly forwarded to the party to which the case is assigned.

Table xx – FIToFIPaymentCancellationRequest (camt.056.001.08)

Reference Name	Description	XML path	Mand:	TIPS Usage
Assignment Identification	Uniquely identifies the case assignment.	FIToFIPmtCxlReq/Assgnmt/Id	Yes	Only schema validation is performed.
Assigner	Party who assigns the case.	FIToFIPmtCxlReq/Assgnmt/Assgnr/Agt/FinInstnId/BICFI	Yes	This field must be filled with the BIC of the originating party and is used in combination with the requestor Distinguish Name to check user access rights.
Assignee	Party to which the case is assigned	FIToFIPmtCxlReq/Assgnmt/Assgne/Agt/FinInstnId/BICFI	Yes	This field must be filled with the BIC of the party to which the Cancellation Request is forwarded.
Creation Date Time	Date and time at which the assignment was created.	FIToFIPmtCxlReq/Assgnmt/CreDtTm	Yes	Only schema validation is performed.
Number Of Transactions	Number of individual transactions contained in the message.	FIToFIPmtCxlReq/CtrlData/NbOfTxs	No	Only a single transaction can be included. Fixed value for the Message Element is '1'.
Underlying	Identifies the payment instruction to be cancelled.	FIToFIPmtCxlReq/Undrlyg	Yes	Only a single Underlying element is allowed in TIPS.
Transaction Information	Set of elements used to provide information on the original transactions to which the cancellation request message refers.	FIToFIPmtCxlReq/Undrlyg/TxInf	Yes	Only a single Transaction Information element is allowed in TIPS.
Cancellation Identification	The specific reference of the bank initiating the Recall.	FIToFIPmtCxlReq/Undrlyg/TxInf/CxlId	Yes	
Original Message Identification	Point to point reference assigned by the original instructing party to unambiguously identify the original transaction.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlGrpInf/OrgnlMsgId	Yes	Only schema validation is performed.

Change Request form

Reference Name	Description	XML path	Mand.	TIPS Usage
Original Message Name Identification	Specifies the original message name identifier to which the message refers.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlGrpInf/OrgnlMsgNmId	Yes	Only 'pacs.008.001.08' is allowed.
Original Instruction Identification	Unique identification, as assigned by the original instructing party for the original instructed party, to unambiguously identify the original instruction.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlInstrId	No	Only schema validation is performed.
Original End To End Identification	The Originator's reference of the Transaction.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlEndToEndId	No	Only schema validation is performed.
Original Transaction Identification	The Originator Bank's reference of the ransaction message.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlTxId	Yes	Reference of the Instant Payment Transaction for which the Recall is requested.
Original UETR	UETR number of the Transaction message	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlUETR	No	Only schema validation is performed.
Original Interbank Settlement Amount	The amount of Transaction.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlIntrBkSttlmAmt	Yes	Amount of the Instant Payment Transaction for which the Recall is requested.
Original Interbank Settlement Date	The Settlement Date of the SCT Inst Transaction.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlIntrBkSttlmDt	No	Settlement Date of the Instant Payment Transaction for which the Recall is requested.
Cancellation Reason Information	Set of elements used to provide detailed information on the cancellation reason.	FIToFIPmtCxlReq/Undrlyg/TxInf/CxlRsnInf	No	Only one occurrence is allowed.
Cancellation Reason Information + Originator	Identification of the type of party initiating the R-message.	FIToFIPmtCxlReq/Undrlyg/TxInf/CxlRsnInf/Orgtr	No	Only schema validation is performed.
Cancellation Reason Information + Reason	The Recall reason code.	FIToFIPmtCxlReq/Undrlyg/TxInf/CxlRsnInf/Rsn	Yes	Only schema validation is performed.
Cancellation Reason Information + Additional Information	Additional information to the Recall reason code.	FIToFIPmtCxlReq/Undrlyg/TxInf/CxlRsnInf/AddtlInf	No	Only schema validation is performed.
Original Transaction Reference	Attributes of the initially transaction which is to be cancelled.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlTxRef	Yes	Only schema validation is performed.
Settlement Information	Specifies the details on the settlement.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlTxRef/SttlmInf	No	Only schema validation is performed.
Scheme Identification Code	The identification code of the Scheme	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlTxRef/PmtTpInf/SvcLvl/Cd FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlTxRef/PmtTpInf/LclInstrm/Cd	No	Only schema validation is performed.
Category Purpose	The category purpose of the Instruction	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlTxRef/PmtTpInf/CtgyPurp	No	Only schema validation is performed.
Remittance Information	The Remittance information.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlTxRef/RmtInf	No	Only schema validation is performed.

Change Request form

Reference Name	Description	XML path	Mand.	TIPS Usage
Originator Reference Party Name	The name of the Originator Reference Party	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/UltmtDbtr/Pty/Nm	No	Only schema validation is performed.
Originator Reference Party Identification Code	The identification code of the Originator Reference Party	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/UltmtDbtr/Pty/Id	No	Only schema validation is performed.
Debtor + Name	The name of the Originator.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/Dbtr/Pty/Nm	No	Only schema validation is performed.
Debtor + Postal Address	The address of the Originator.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/Dbtr/ Pty/PstlAdr	No	Only schema validation is performed.
Debtor + Identification	The Originator identification code.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/Dbtr/Pty/Id	No	Only schema validation is performed.
Debtor Account	The account of the Originator.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/DbtrAcct	No	Only schema validation is performed.
Debtor Account Identification	Identification of the Debtor Account	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/DbtrAcct/Id	Yes	IBAN is used to identify an Account.
Debtor Account + Type	Debtor Account type used for Alias/Proxy	Document/FIToFIPmtCxlReq/Und rlyg/TxInf/OrgnlTxRef/DbtrAcct/T p	No	Only schema validation is performed.
Debtor Account + Name	The Alias or Proxy of the account of the Debtor.	Document/FIToFIPmtCxlReq/Und rlyg/TxInf/OrgnlTxRef/DbtrAcct/N m	No	Only schema validation is performed.
Debtor Agent	The identification of the Originator Bank.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/DbtrAgt	No	Only schema validation is performed.
Creditor Agent	The identification of the Beneficiary Bank.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/CdtrAgt	No	Only schema validation is performed.
Creditor + Name	The name of the Beneficiary.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/Cdtr/Pty/Nm	No	Only schema validation is performed.
Creditor + Postal Address	The address of the Beneficiary.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/Cdtr/ Pty/PstlAdr	No	Only schema validation is performed.
Creditor + Identification	The Beneficiary identification code.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/Cdtr/Pty/Id	No	Only schema validation is performed.
Creditor Account	The account of the Beneficiary.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/CdtrAcct	No	Only schema validation is performed.
Creditor Account Identification	Identification of the Creditor Account	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/CdtrAcct/Id	Yes	IBAN is used to identify an Account.
Creditor Account + Type	Creditor Account type used for Alias/Proxy	Document/FIToFIPmtCxlReq/Und rlyg/TxInf/OrgnlTxRef/CdtrAcct/T p	No	Only schema validation is performed.
Creditor Account + Name	The Alias or Proxy of the account of the Creditor.	Document/FIToFIPmtCxlReq/Und rlyg/TxInf/OrgnlTxRef/CdtrAcct/N m	No	Only schema validation is performed.
Ultimate Creditor + Name	Name of the Beneficiary Reference Party.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/UltmtCdtr/Pty/Nm	No	Only schema validation is performed.
Ultimate Creditor + Identification	Identification code of the Beneficiary Reference Party.	FIToFIPmtCxlReq/Undrlyg/TxInf/ OrgnlTxRef/UltmtCdtr/Pty/Id	No	Only schema validation is performed.

12) §3.3.2.2.13 ResolutionOfInvestigationV09

ResolutionOfInvestigation (camt.029.001.09)

The Resolution of Investigation message is used for non-Euro settlement models and it 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.

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.

Table xx – ResolutionOfInvestigation (camt.029.001.09)

Change Request form

Reference Name	Description	XML path	Mandatory	TIPS Usage
Assignment + Identification	Uniquely identifies the case assignment.	RsltnOfInvstgtn/Assgnmt/Id	Yes	Only schema validation is performed.
Assigner	Party who sends the Resolution of Investigation message.	RsltnOfInvstgtn/Assgnmt/Assgnr/Agt/FinInstnId/BICFI	Yes	This field must be filled with the BIC of the party sending the Resolution of Investigation message and is used in combination with the requestor Distinguish Name to check user access rights.
Assignee	Party to which the case is assigned	RsltnOfInvstgtn/Assgnmt/Assgne/Agt/FinInstnId/BICFI	Yes	This field must be filled with the BIC of the party to which the Resolution of Investigation message is forwarded.
Assignment + Creation Date Time	Date and time at which the assignment was created.	RsltnOfInvstgtn/Assgnmt/CreDtTm	Yes	Only schema validation is performed.
Status + Confirmation	Specifies the status of the investigation, in a coded form.	RsltnOfInvstgtn/Sts/Conf	Yes	Possible values are checked within schema validation.
Cancellation Status Identification	Unique and unambiguous identifier of a cancellation request status, as assigned by the assigner.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/CxlStsId	Yes	Only schema validation is performed.
Original Message Identification	Message Identification of the originating message	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlGrpInf/OrgnlMsgId	Yes	Only schema validation is performed.
Original Message Name Identification	Message identifier of the originating message	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlGrpInf/OrgnlMsgNmId	Yes	Possible allowed value "pacs.008.001.08"
Original Instruction Identification	Unique identification, as assigned by the original instructing party for the original instructed party	FIToFIPmtStsReq/TxInf/OrgnlInstrId	No	Only schema validation is performed.
Original End To End Identification	The Originator's reference of the Transaction	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlEndToEndId	No	Only schema validation is performed.
Original Transaction Identification	The Originator Bank's reference number of the Transaction message	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxId	Yes	Only schema validation is performed.
Original UETR	UETR number of the Transaction message	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlUETR	No	Only schema validation is performed.
Transaction Cancellation Status	Specifies the status of the transaction cancellation request.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/TxCxlSts	Yes	Possible values are checked within schema validation.
Cancellation Status Reason Information	Set of elements used to provide detailed information on the cancellation status reason.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/CxlStsRsnInf	Yes	Only schema validation is performed.
Cancellation Status Reason Information + Originator	The Name of the Beneficiary or The BIC code of the Beneficiary Bank	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/CxlStsRsnInf/Orgtr	No	Only schema validation is performed.
Cancellation Status Reason Information + Reason	The Reason Code for non-acceptance of the Recall.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/CxlStsRsnInf/Rsn	Yes	Only schema validation is performed.

Change Request form

Cancellation Status Reason Information + Reason ++ Code	Reason for the cancellation status, in a coded form.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/CxlStsRsnInf/Rsn/Cd	Yes	Only schema validation is performed.
Cancellation Status Reason Information + Reason ++ Proprietary	Reason for the status, in a proprietary form.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/CxlStsRsnInf/Rsn/Prtry	Yes	Only schema validation is performed.
Cancellation Status Reason Information + Additional Information	Further details on the cancellation status reason.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/CxlStsRsnInf/AddtlInf	No	Only schema validation is performed.
Original Transaction Reference	Set of key elements used to identify the original transaction that is being referred to.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef	Yes	Only schema validation is performed.
Interbank Settlement Amount	The amount of the transaction.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/IntrBkSttlmAmt	No	Only schema validation is performed.
Interbank Settlement Date	The Settlement Date of the Transaction.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/IntrBkSttlmDt	No	Only schema validation is performed.
Scheme Identification Code	The identification code of the Scheme	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/PmtTpInf/SvcLvl/Cd RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/PmtTpInf/LclInstrm/Cd	No	Possible values are checked within schema validation.
Category Purpose	The category purpose of the Instruction	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/PmtTpInf/CtgyPurp	No	Only schema validation is performed.
Remittance Information	Information supplied to enable the matching of an entry with the items that the transfer is intended to settle	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/RmtInf	No	Only schema validation is performed.
Ultimate Debtor + Name	The name of the Originator Reference Party.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/UltmtDbtr/Pty/Nm	No	Only schema validation is performed.
Ultimate Debtor + Identification	The identification code of the Originator Reference Party.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/UltmtDbtr/Pty/Id	No	Only schema validation is performed.
Debtor + Name	The name of the Originator.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/Dbtr/Pty/Nm	No	Only schema validation is performed.
Debtor + Postal Address	The address of the Originator.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/Dbtr/Pty/PstlAdr	No	Only schema validation is performed.
Debtor + Identification	The Originator identification code.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/Dbtr/Pty/Id	No	Only schema validation is performed.
Debtor Account	The account of the Originator.	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/DbtrAcct	No	Only schema validation is performed.
Debtor Account Identification	Identification of the Debtor Account	RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/DbtrAcct/Id	Yes	IBAN is used to identify an Account.
Debtor Account + Type	Debtor Account type used for Alias/Proxy	Document/RsltnOfInvstgtn/CxlDtls/TxInfAndSts/OrgnlTxRef/DbtrAcct/Tp	No	Only schema validation is performed.

Debtor Account + Name	The Alias or Proxy of the account of the Debtor.	Document/RsltnOfInvstgtn/Cxl Dtls/TxInfAndSts/OrgnlTxRef/ DbtrAcct/Nm	No	Only schema validation is performed.
Debtor Agent	The Identification of the Originator Bank.	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/DbtrAgt	No	Only schema validation is performed.
Creditor Agent	The identification of the Beneficiary Bank.	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/CdtrAgt	No	Only schema validation is performed.
Creditor + Name	The name of the Beneficiary.	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/Cdtr/Pty/Nm	No	Only schema validation is performed.
Creditor + Postal Address	The address of the Beneficiary.	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/Cdtr/Pty/Pstl Adr	No	Only schema validation is performed.
Creditor + Identification	The Beneficiary identification code.	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/Cdtr/Pty/Id	No	Only schema validation is performed.
Creditor Account	The account of the Beneficiary.	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/CdtrAcct	No	Only schema validation is performed.
Creditor Account Identification	Identification of the Creditor Account	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/CdtrAcct/Id	Yes	IBAN is used to identify an Account.
Creditor Account + Type	Creditor Account type used for Alias/Proxy	Document/RsltnOfInvstgtn/Cxl Dtls/TxInfAndSts/OrgnlTxRef/ CdtrAcct/Tp	No	Only schema validation is performed.
Creditor Account + Name	The Alias or Proxy of the account of the Creditor.	Document/RsltnOfInvstgtn/Cxl Dtls/TxInfAndSts/OrgnlTxRef/ CdtrAcct/Nm	No	Only schema validation is performed.
Ultimate Creditor + Name	Name of the Beneficiary Reference Party.	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/UltmtCdtr/Pt y/Nm	No	Only schema validation is performed.
Ultimate Creditor + Identification	Identification code of the Beneficiary Reference Party.	RsltnOfInvstgtn/CxlDtls/TxInfA ndSts/OrgnlTxRef/UltmtCdtr/Pt ty/Id	No	Only schema validation is performed.

CRDM UDFS for Riksbank

13) Amendment of section 1.4.4 TIPS Directory

1.4.4 TIPS Directory

[…]

1.4.4.3 Generation

[…]

Immediately after the generation is completed, CRDM forwards both the full version and the delta version to TIPS for push distribution (see section 1.4.4.4).

TIPS Actors who created a Report Configuration either full and delta version will receive a TIPS directory including only the records related to the currency of the Central Bank to which the TIPS Participant and Reachable Parties belongs to.

Change Request form

1.4.4.4 Distribution

[…]

The name of the flat file that contains the TIPS Directory is as follows: TIPS~~DIR~~XXXTTTTYYYYMMDD where:

- TTTT is the type, i.e. FULL for the full version and DLTA for the delta version;
- <u>XXX is the currency related to the records included in the directory;</u>
- YYYYMMDD specifies the year, month and day as of which the TIPS Directory is valid.

1.4.4.5 XML Envelope

[…]

The produced XML file should look as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<File fileId = "TIPSDIREURFULL20200101" xmlns=" urn:TIPS:TIPSDirectory
">Record1
Record2
…
Recordn
</File>
```

Change Request form

TIPS Training material for Riksbank

14) <u>FN.010_TIPS overview – slide 18</u>

Slide has to be amended to reflect the multicurrency scenario as for the liquidity management.

15) <u>FN.040_Settlement of instant payments – slides 7 and 57</u>

Slides have to be amended to reflect the new system parameters envisaged for RIX^{Inst}.

16) <u>FN.040_Settlement of instant payments – slides 52 and 63</u>

Slides have to be amended to reflect the new message versions to be used for RIX^{Inst}.

17) <u>FN.050_Liquidity management – slides 4, 5, 7 and 8</u>

Slides have to be amended to reflect the multicurrency scenario as for the liquidity management.

18) <u>FN.050_Liquidity management – section 2 of the presentation to be adapted (slides 30 to 42)</u>

The section "Interaction with TARGET2" has to be slightly amended in ordet to reflect the multicurrency scenario and the interactions with RIX RTGS system.

19) <u>FN.060_ Reference data management – slide 27</u>

Slide has to be amended to reflect the multicurrency scenario as for the TIPS transit acount viewpoint.
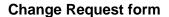
_____

High-level description of Impact:

_____

Outcome/Decisions:

Change Request form

General Information	
Impact on TIPS	
Business Interface	
X	A2A Interface
X	U2A Interface
Settlement Engine	
	Payment Transaction
	Liquidity Transfer
	Recall
Queries and Reports	
	Queries
X	Reports
Others	
X	Testing tool
X	Contingency message application
Common Components	
	ESMIG
X	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	

Change Request form

	Business activities impacted		
	Technical activities impacted		
New functionalities			

Impact on documentation		
Document	**Chapter**	**Change**
UDFS	**TIPS UDFS** §1.5.3 Liquidity Management §1.6.1.4 TIPS General Ledger §1.7.1 Service configuration §2.1 Message routing §2.4 Investigation §2.4.1 Example of Investigation §3.3.2.1.X PaymentReturnV09 §3.3.2.1.X FIToFIPaymentStatusRequestV03 (pacs.028.001.03) §3.3.2.2.X FIToFIPaymentCancellationRequestV03 §3.3.2.2.13 ResolutionOfInvestigationV09	Changes stemming from the Riksbank requirements envisaged in Lot 2
	CRDM UDFS §1.4.4 TIPS Directory	Amendment of the section for the generation of the TIPS directory segregated by currency
UHB		
Training documentation	FN.010 TIPS overview FN.040 Settlement of instant payments FN.050 Liquidity management FN.060 Reference data management	Changes stemming from the Riksbank requirements envisaged in Lot 2 have to be reflected into the training material.
Other documents		

Overview of the impact of the request on TIPS

Summary of functional, development, infrastructure, operational and security impacts

Summary of functional impact:

An update of the TIPS functional documentation is required in the following areas:

- TIPS UDFS (Interaction with non-euro RTGS system, new examples for recall and investigation, new system parameters for IP processing in SEK)
- Message schemas for pacs.004, pacs.028, camt.056 and camt.029 (customisation of the existing schemas to take on board Riksbank requirements)
- CRDM UDFS (Multicurrency aspects related to the generation of the TIPS Directory)
- TIPS Training material (adaptation of the current presentations due to multicurrency aspects, liquidity management, recall and investigation)

Summary of application development impact:

To enhance the TIPS application adding the new message versions, enabling the interaction with an external RTGS (letting unchanged the current application protocol used with TARGET2) and including the use of the new system parameters, leads to the following changes:

- Customization of a sub-set of A2A messages:
    o TIPS-ESMIG (Network adapter): handling of new message flows (parsing using the new schema files for XSD schemas)
    o TIPS Message Router: Processing of new message payloads (for new versions of camt.056, camt.029, pacs.004, pacs.028)
    o Other components impacted: Testing tool and Contingency Message application (new messages added), Operational Database (new data to be stored) and Informational Database (same as above)

- Interactions between an external RTGS and TIPS:
    o TIPS-ESMIG (Network adapter): all messages coming from and sent to the external RTGS must follow the "at least once" principle between ESMIG and Message Router. Also when notifications are sent out from Message Router, the "at least once" principle will be enforced
    o New format of camt.019 will be adopted during EOD processing with the external RTGS

- Definition of a separate set of system parameters and TIPS changes for currency-related TIPS Directory:
    o TIPS Message Router: it must be adapted in order to read and adopt, during validations, the new system parameters (Investigation offset and Maximum amount)
    o Additional Services: new parameters have to be transferred from CRDM TIPS and stored into the local reference data.
    o Additional Services: New TIPS Directory (Full and Update) will be produced and distributed by CRDM (both for EUR and for other currencies). Consequently, the process already in place in TIPS will be decommissioned (up to now, this includes the transfer of TIPS Directory files from CRDM to TIPS and the distribution to participants via NSP file-transfer).

Change Request form

Summary of infrastructure impact:

The infrastructural impact is setting up new MQ queues; this is a configuration activity requiring neither new systems nor licenses.

Summary of operations impact:

No impact envisaged from the operational point of view.

Summary of security impact:

See Change Request analysis.