

Change Request form

General Information (Origin of Request)		
<input checked="" type="checkbox"/> User Requirements Document (URD) <input type="checkbox"/> Other User Functional or Technical Documentation (SYS) <input type="checkbox"/> Other TIPS Documentation (OTD)		
Request raised by: Riksbank	Date raised: 14/02/2020	
Request title: TIPS adaptation stemming from Riksbank requirements – Lot 1	Name of Central Bank: Riksbank	Request ref. no: TIPS CR.0030.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 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.

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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 1. The detailed scope of the proposed changes is described below.

Single Instructing Party settlement model

RIX-INST will make use both of the standard TIPS Instant Payment transaction settlement process and of a new settlement process without reservation of funds.

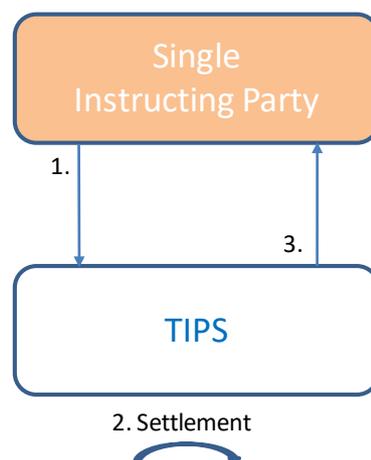
The former shall re-use the already existing workflow envisaged for EPC SCT-Inst scheme.

The latter shall implement a settlement model envisaging the immediate settlement of Instant Payments received by TIPS, after said Instant Payments have already been validated by a Single Instructing Party (SIP), with the involvement of both the Originator PSP and the Beneficiary PSP (which accepts the transaction before it is submitted to TIPS).

The diagram in Figure 1 shows the SIP settlement model, which is based on the following processing steps:

1. After having validated an instant payment with both PSPs, the Single Instructing Party sends it to TIPS for settlement.
2. Settlement attempt takes place in TIPS immediately, without preliminary reservation of funds.
3. The Single Instructing Party is notified about the outcome of the settlement attempt, so that the settlement confirmation can be forwarded to the Originator PSP and to the Beneficiary PSP.

Figure 1: Single Instructing Party settlement model for Instant Payment



The SIP settlement model will be based on the same message scheme foreseen for the standard settlement model.

Customisation of A2A messages

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

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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.008

- 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 type:
 - pacs.008

- 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.008

- IV. Implementation of new values for the Service Level field (not used for processing in TIPS) in customisations related to the following message types:
 - pacs.008
 - pacs.002

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).

CRDM adaptation and configuration

Riksbank shall be configured in CRDM as a new Central Bank, identified by a dedicated System Entity and linked to the TIPS Service by means of a Party Service Link. Riksbank will be the only responsible for setting up and maintaining reference data for TIPS.

No changes to the current party and account hierarchical model are envisaged. Moreover, Scandinavian characters and the “@” are not required in CRDM data (U2A, A2A and DMT).

Additionally, in order for TIPS to determine whether an Instructing Party is entitled to use the new SIP settlement model, a new privilege shall be defined and be granted to the technical address (i.e. the Distinguished Name) of the given Instructing Party. This information shall be propagated to the TIPS Local Reference Data Management (LRDM) as part of the standard daily reference data propagation.

If the Distinguished Name of the Instructing Party acting on behalf of the Originator PSP has been granted with the above mentioned privilege, TIPS immediately settles the received Instant Payment, without any preliminary reservation of funds.

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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) §1.1 Introduction to the TIPS Service

[...]

TIPS accounts in other currency are legally opened in the relevant RTGS by the responsible Central Bank and have to be dedicated to the settlement of Instant Payments transactions in TIPS in the given currency. In the specific scenario of the RTGS system for SEK (i.e. RIX), the TIPS account in SEK are captured in CRDM. The TIPS Accounts' balances denominated in SEK are communicated to RIX at each EoD by means of a General Ledger file.

TIPS operates on a 24/7/365 basis and it makes use of the following components:

[...]

2) §1.3.1.1. Setup of TIPS Actors

Table 1 – Setup of Parties for TIPS

Reference Data Object	Responsible Actor	Mode
Party (CB)	TIPS Operator	U2A
Party (Participant)	Central Bank	U2A, <u>A2A</u>
Party (Reachable Party)	Central Bank	U2A, <u>A2A</u>
Instructing Party	TIPS Participant, Reachable Party	U2A

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3) §1.4.1. Payment Transaction

This entity represents data related to TIPS Instant Payment transactions, ~~recorded from~~ following the SCT^{Inst} scheme ~~messages~~, non-Euro denominated transactions or Single Instructing Party (SIP) model processing covering the request of settlement and the settlement confirmation.

Table 2 – Payment Transaction data

Attribute	Description
Reference	The Originator Bank's reference number of the SCT ^{Inst} Transaction, <u>non-Euro Transaction or SIP Transaction</u> message.
Acceptance Timestamp	Timestamp of the SCT ^{Inst} Transaction, <u>non-Euro^t Transaction or SIP Transaction</u>
Amount	Amount intended to be settled by the transaction
Currency	The currency relevant for the transaction
Crediting Account	TIPS Account to be credited

4) §1.4.1. Payment Transaction – Table 8

[...]	[...]
Debiting CMB Status	Blocking status for the CMB to be debited. Exhaustive list of possible values: <ul style="list-style-type: none"> - Blocked for credit; - Blocked for debit; - Blocked for credit and debit; - Unblocked.

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Status	<p>Status of the transaction <u>for both SCT^{Inst} and non-Euro settlement schemes.</u></p> <p>Exhaustive list of possible values:</p> <ul style="list-style-type: none"> - Received - Validated - Reserved - Settled - Failed - Rejected - Expired <p><u>For SIP model the exhaustive list of possible status values is the following:</u></p> <ul style="list-style-type: none"> - <u>Received</u> - <u>Validated</u> - <u>Settled</u> - <u>Failed</u> - <u>Expired</u>
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5) §1.5.2. Settlement of Instant Payment transactions

TIPS supports the different process flows foreseen in the SCT^{Inst} scheme, i.e. Instant Payments, recalls and investigations.

Moreover, TIPS supports two additional process flows for Instant Payment processing:

- Non-Euro settlement scheme (e.g. RIX-INST);
- Single Instructing Party (SIP) model.

The table below contains an overview of the types of instructions TIPS Actors can exchange with TIPS for payment purposes.

Table 3 – TIPS Payment transaction types

Instruction Type	Description	<u>Model/Flow</u>
Instant Payment transaction	Forwarded from an Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party to TIPS to instruct the settlement of cash on a TIPS Account. It is also forwarded by TIPS to the intended Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party to request confirmation for the settlement.	<u>SCT^{Inst}, non-Euro settlement scheme</u>

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Instruction Type	Description	Model/Flow
<u>Instant Payment transaction without reservation (for SIP)</u>	<u>Sent from an Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party to TIPS to instruct the immediate settlement of cash on a TIPS Account, without preliminary reservation of funds.</u> <u>In order to activate such a settlement model, TIPS will check that (i) the DN acting on behalf of the Originator and the Beneficiary coincide and (ii) it is granted with the appropriate privilege to <i>Instruct as SIP</i>¹.</u>	<u>SIP</u>
Beneficiary Reply	Forwarded from a Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party to TIPS as response to an Instant Payment transaction. It contains the Beneficiary Participant's positive or negative response. In the event of a positive response, it is also forwarded by TIPS back to (i) the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party and (ii) <u>an additional confirmation is sent to the Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party as confirmation that settlement has been performed or ended in error.</u> In the event of a negative response, it is forwarded by TIPS back to the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party.	<u>SCT^{Inst}, non-Euro settlement scheme</u>
Recall	Sent by an Originator Participant of a previously settled Instant Payment transaction to request that the given transaction is refunded and a refunded amount – equal or possibly lower than the original one – is credited back to the original account. It is submitted by the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party to TIPS and, after successful validation, it is forwarded by TIPS to the relevant Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party.	<u>SCT^{Inst}, non-Euro settlement scheme</u>
Recall Answer	Sent by a Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party to TIPS as either a positive response to refund the cash, reversing the effect of the original Instant Payment transaction, or a negative response to a Recall instruction. In both cases, after successful validation, it is forwarded by TIPS to the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party as confirmation.	<u>SCT^{Inst}, non-Euro settlement scheme</u>
Investigation	The investigation is sent by the Originator Participant or Instructing Party acting on behalf of the Originator Participant or Reachable Party to TIPS in order to retrieve the last generated payment transaction status advice.	<u>SCT^{Inst}, non-Euro settlement scheme,</u> <u>SIP</u>
Request for Status Update on a Recall	The Request for Status Update on a Recall is sent by Recall Assigner to TIPS in order to retrieve the status of the Recall Answer. It is also forwarded by TIPS to the intended Recall Assignee to request confirmation about the status of the Recall.	<u>SCT^{Inst}, non-Euro settlement scheme</u>

6) Rename the title of the existing section §1.5.2.1. Instant Payment transaction settlement process

1.5.2.1 Instant Payment transaction settlement process (with reservation of funds)

¹ The privilege to 'Instruct as SIP' is newly introduced in CRDM and it is independent from the existing TIPS privilege to 'Instruct instant Payments'. This means that the two privileges can coexist in the same access right profile of a TIPS Actor. However, if the same technical sender is willing to send IPs for both settlement models, i.e. instruct IP with reservation of funds and SIP, it shall use two different DNs.

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An Instant Payment transaction for SCTInst is initiated by an Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party, e.g. a TIPS Participant, requesting to debit one of their TIPS accounts and to credit the TIPS account of a Beneficiary Participant. [...]

7) New section §1.5.2.2. Instant Payment transaction settlement process (without reservation of funds)

1.5.2.2. Instant Payment transaction settlement process (without reservation of funds)

An Instant Payment transaction for SIP settlement model - without preliminary reservation of funds - can be used for settlement of IPs. The transaction is initiated by an Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party, e.g. a TIPS Participant, requesting to debit one of their TIPS accounts and to credit the TIPS account of a Beneficiary Participant.

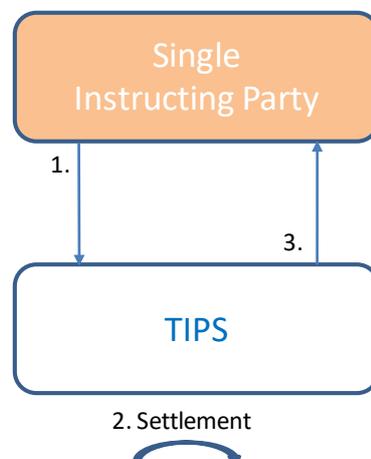
In order to trigger the SIP settlement model, the Instructing party that submits the Instant Payment has to be granted with a dedicated privilege in CRDM. Moreover, TIPS will check that the same DN is acting for both counterparties.

The SIP settlement model envisages the immediate settlement of Instant Payments received by TIPS, after the Instant Payments have already been validated by a Single Instructing Party (SIP), with the involvement of both the Originator PSP and the Beneficiary PSP (which accept the transaction before it is submitted to TIPS).

The diagram in Figure X shows the SIP settlement model, which is based on the following processing steps:

1. After having validated an instant payment with both PSPs, the Single Instructing Party sends it to TIPS for settlement.
2. Settlement attempt takes place in TIPS immediately, without preliminary reservation of funds.
3. The Single Instructing Party is notified about the outcome of the settlement attempt, so that the settlement confirmation can be forwarded to the Originator PSP and to the Beneficiary PSP.

Figure XX: Single Instructing Party settlement model for Instant Payments



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The SIP settlement process begins with an Instant Payment transaction message submitted by the Single Instructing Party to TIPS. TIPS checks whether the sender DN has the suitable access rights to trigger the SIP settlement model and validates the message. If the DN is granted with the correct access rights and no errors are detected, provided that sufficient funds are available on the account to be debited, TIPS settles the full amount by directly updating the cash balances of the Originator and Beneficiary Participant accounts. Subsequently, TIPS will forward a status advice to the Single Instructing Party DN. Instant payments are always settled for the full amount; partial settlement is not foreseen in TIPS.

Instant Payment transactions that involve CMBs are handled similarly to the above description. A CMB Headroom is created for each CMB in TIPS, and it is always kept equal to the CMB limit minus the current limit utilisation. A CMB can also be unlimited; in this case, the related user can make use of the full payment capacity of the TIPS Account linked to the CMB, the headroom is considered infinite and the utilisation always zero.

When an Instant Payment transaction involving one or two CMBs with limit is settled, in addition to updating the cash balances for the involved accounts, the headroom and the limit utilisation of the related CMBs are also modified. For the unlimited CMBs, the headroom remains unlimited and the utilisation remains zero.

The limit of a CMB can never be set to a negative value, although the headroom and utilisation can go negative.

The utilisation can become negative when the headroom to exceed the limit as a result of crediting payments or liquidity transfers.

The headroom can become negative as a result of a CMB limit decrease, since when updating the limit the headroom and utilisation are updated accordingly. When the headroom becomes negative, the CMB only accepts instant payments and liquidity transfers in credit until the headroom once again goes over zero.

The following diagram shows the possible statuses of an Instant Payment transaction in the scenario of a SIP settlement model.

Figure XX – SIP Payment Transaction status transition diagram

[Add new status diagram]

An Instant Payment transaction entering the system for the first time is temporarily in *Received* status while it undergoes the TIPS validations. While in this status, it is already possible for an Instant Payment transaction to exceed the timeout period, leading it to the final *Expired* status from which it will no longer be submitted to settlement. This can happen when TIPS receives a message from the Single Instructing Party that has an Acceptance Timestamp already older than the tolerable timeout; TIPS records the received message, replies with a timeout error message to the sender and saves the transaction as *Expired*.

If the Instant Payment transaction passes all validations successfully, it moves to status *Validated*. At this point, the actual settlement process begins with the attempt to settle the required cash amount on the relevant debit account. If the settlement is successful, the transaction is set to *Settled* status; if for

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any reason the settlement is unsuccessful (e.g. because the cash balance on the TIPS account is insufficient or the account is blocked) its status changes to *Failed*.

The detailed flow of the SIP settlement model process, with the relevant steps, is described in section 2.2.X – “Instant Payment transaction (non-Euro currencies scheme)” and Figure XX – Instant Payment transaction flow (non-Euro currencies scheme).

8) **New section §2.2.1 Instant Payment (SCT^{Inst} scheme)**

The new section 2.2.1 will encompass the text currently under the former section §2.2 with minor amendments.

[...] This section focuses on the settlement of Instant Payment transactions in the SCT^{Inst} scheme, describing the full scenario and the related steps.

9) **New section §2.2.2 Instant Payment (non-Euro currencies scheme)**

This section focuses on the settlement of Instant Payment transactions in non-Euro currencies (e.g. in Swedish Krona, adhering to the RIX-INST scheme), describing the full scenario and the related steps.

The introductory part of the section presents the general flow, including all the steps. A sub-section dedicated to the timeout follows, describing the specific case of timeout occurring when a Beneficiary reply is missing.

All the remaining sub-sections contain examples of the possible scenarios, starting from a successful one and detailing possible failure scenarios. Each example shows the relevant messages and how the main fields are filled.

The Instant Payment transaction process covers the scenarios in which an Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party instructs TIPS in order to transfer funds to the account of a Beneficiary Participant. The involved actors are:

- The Originator Participant, or Instructing Party acting on behalf of the Originator Participant or a Reachable Party, starting the scenario;
- The Beneficiary Participant, or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party, receiving the request and either confirming or rejecting the payment.

The involved messages are:

- The [FIToFICustomerCreditTransferV08](#) message sent by the Originator Participant or Instructing Party acting on behalf of the Participant/Reachable Party in order to (i) instruct the payment, (ii) to reserve the corresponding amount in a currency different from Euro (e.g. SEK) and (iii) to inform the Beneficiary Participant or Instructing Party acting on behalf of the Participant/Reachable Party about the transaction received;
- The [FIToFIPaymentStatusReportV10](#) message sent (i) by the Beneficiary Participant or Instructing Party acting on behalf of the Participant/Reachable Party to TIPS to either accept or

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reject the Instant Payment transaction, or (ii) by TIPS to inform the actors about the result of the settlement (i.e. settled, rejected, timed-out);

- The **ReturnAccount** message that can be possibly sent by TIPS to Creditor Account Owner and/or Debtor Account Owner. The message is sent by TIPS if (i) the owner of the TIPS account (or CMB) enables the floor and ceiling notifications and (ii) the configured threshold is crossed.

All the described scenarios are triggered under the assumption that the technical validation, check of mandatory fields and authentication of the user have already been successfully performed by ESMIG.

As in the SCTInst processing, it is worth noting that when the Debtor or Creditor BIC contains a BIC8 instead of a BIC11, the message is accepted and the BIC8 is translated into a BIC11 by appending “XXX” at the end of the BIC8 for further processing. All the steps are described considering BIC11 only.

Below is the diagram describing the process and the involved actors. The details of the steps are described in the following [Table XX – Instant Payment transaction for non-Euro currency steps](#)

10) New diagram “Instant Payment transaction flow for non-Euro currencies ”

The new diagram will follow the same approach of current figure 15 and it will describe the various steps envisaged for the processing of Instant Payment in currencies different from Euro (e.g. following the RIX-INST processing).

11) Amendment of Table 37 - Outbound Routing

Table 37 – Outbound routing

Data Exchange	Outbound DN-BIC	Party Technical Address + Routing	Sender DN
Instant Payment transactions answer (Originator role)	✘	✘	✔
Instant Payment transactions answer (Beneficiary role)	✔	✘	✘
<u>Instant Payment transactions answer (SIP model) when Single Instructing Party is acting for both Originator and Beneficiary</u>	<u>✘</u>	<u>✘</u>	<u>✔</u>
Timeout message generated by TIPS	✔	✘	✔
[...]	[...]	[...]	[...]

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12) New table “Instant Payment transaction steps for non-Euro currencies”

The new table will follow the same approach of current table 38 and it will describe the various steps envisaged, e.g. for the RIX-INST processing.

Step	Involved messages	Involved actors	Description
1	FIToFICustomerCreditTransferV08	<u>Originator Participant or Instructing Party as Sender</u> <u>TIPS as receiver</u>	<u>TIPS receives an Instant Payment transaction in non-Euro currency (e.g. SEK) from the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party starting the conditional settlement phase of the transaction.</u> <u>Technical validation, check of mandatory fields and authentication checks have already been successfully executed. The timeout for the Instant Payment transaction has not expired.</u> <u>TIPS logs the instruction as “Received”.</u>
2		<u>TIPS</u>	<u>TIPS successfully executes the checks:</u> <ul style="list-style-type: none"> - Access Rights check; - Timeout Check - Originator Side; - Maximum Amount (SEK) not Exceeded; - Originator Account or CMB existence; - Instructing Party authorised; - Beneficiary correctly configured; - Beneficiary Account or CMB existence.

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Step	Involved messages	Involved actors	Description
			<p>See 4.1- Business Rules for details.</p>
<p><u>2e</u></p>	<p>FIToFIPaymentStatusReportV10</p>	<p><u>TIPS as sender</u></p> <p><u>Originator Participant or Instructing Party as receiver</u></p>	<p><u>TIPS unsuccessfully executes one of the checks listed in step 2.</u></p> <p><u>At the first negative check the system stops and sends a message to the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party – same DN of the Sender in step 1 – containing the proper error code.</u></p> <p><u>If the failed check is “Timeout Check - Originator Side”, the status of the transaction is set to “<i>Expired</i>”; in all the other cases, the status is set to “<i>Failed</i>”.</u></p>
<p><u>3</u></p>		<p><u>TIPS</u></p>	<p><u>TIPS infers the account to be debited from the configured accounts information, the Originator Participant BIC and the currency of the Instant Payment transaction.</u></p> <p><u>In details TIPS checks that:</u></p> <ul style="list-style-type: none"> (i) <u>an account, with type “TIPS Account”, exists,</u> (ii) <u>it is linked to the Originator Participant (field “Originator BIC”) as authorised user,</u> (iii) <u>and it is denominated in the same currency as the one defined in the Settlement Amount (e.g. SEK).</u> <p><u>- If the check does not return any TIPS Account, TIPS looks for a CMB linked to the Originator Participant (field “Originator BIC”) as authorised user;</u></p> <p><u>- TIPS selects the TIPS Account linked to the CMB; the account related to the CMB must be denominated in the same currency as the one defined in the Settlement Amount.</u></p>

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<u>Step</u>	<u>Involved messages</u>	<u>Involved actors</u>	<u>Description</u>
			<p>From now on, the selected account is referred to as "Originator Account" and the possible CMB as "Debiting CMB".</p>
4		TIPS	<p>TIPS infers the account to be credited from the configured accounts information, the Beneficiary Participant BIC and the currency of the Instant Payment transaction (i.e. SEK).</p> <p>In details TIPS checks that:</p> <ul style="list-style-type: none"> (i) <u>an account, with type "TIPS Account", exists.</u> (ii) <u>it is linked to the Beneficiary Participant (field "Beneficiary BIC") as authorised user.</u> (iii) <u>and has a currency equal to the one defined in the Settlement Amount (e.g. SEK).</u> <p>- If the check does not return any TIPS Account, TIPS looks for a CMB linked to the Beneficiary Participant (field "Beneficiary BIC") as authorised user;</p> <p>- TIPS selects the TIPS Account linked to the CMB; the account related to the CMB must be denominated in the same currency as the one defined in the Settlement Amount.</p> <p>From now on, the selected account is referred to as "Beneficiary Account" and the possible CMB as "Crediting CMB".</p>
5		TIPS	<p>TIPS successfully executes the check:</p> <ul style="list-style-type: none"> - Duplicate check; <p>See 4.1 - Business Rules for details.</p>

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Step	Involved messages	Involved actors	Description
5e	FIToFIPaymentStatusReportV10	<u>TIPS as sender</u> <u>Originator Participant or Instructing Party as receiver</u>	<p><u>TIPS unsuccessfully executes the check listed in step 5.</u></p> <p><u>If the check is unsuccessful the validation stops and TIPS sends a message to the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party – same DN of the Sender – containing the proper error code.</u></p> <p><u>The transaction is set to “Failed” status.</u></p> <p><u>See 4.1 - Business Rules for details.</u></p>
6		<u>TIPS</u>	<p><u>TIPS sends it to the Check and Execute Instruction process. TIPS sets the transaction status to “Validated”.</u></p>
7		<u>TIPS</u>	<p><u>TIPS successfully executes the checks:</u></p> <ul style="list-style-type: none"> <u>- Originator Account/CMB not blocked;</u> <u>- Beneficiary Account/CMB not blocked;</u> <u>- Available amount not exceeded;</u> <p><u>See 4.1 - Business Rules for details.</u></p>
7e	FIToFIPaymentStatusReportV10	<u>TIPS as sender</u> <u>Originator Participant or Instructing Party as receiver</u>	<p><u>TIPS unsuccessfully executes the checks listed in step 7.</u></p> <p><u>At the first negative check the validation stops and TIPS sends a message to the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party – same DN of the Sender in step 1 – containing the proper error code.</u></p> <p><u>The transaction is set to “Failed” status.</u></p> <p><u>See 4.1 - Business Rules for details.</u></p>

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<u>Step</u>	<u>Involved messages</u>	<u>Involved actors</u>	<u>Description</u>
<u>8</u>		<u>TIPS</u>	<u>The DN of the Sender in step 1 is saved as information related to the transaction. From now on, this DN is referred to as "Originator DN".</u>
<u>9</u>		<u>TIPS</u>	<u>TIPS reserves funds in the Originator account. The full amount is reserved as Reserved Balance in the Cash Balance. TIPS sets the transaction status to "Reserved". If a Debiting CMB is involved, the system decreases its headroom by the same amount.</u> <u>After this moment, the settlement attempt is agreed and can either be confirmed or rejected by the counterpart or fail for a missing answer. The reserved amount cannot be taken into account for other payments or liquidity transfers.</u>
<u>10</u>		<u>TIPS</u>	<u>The DN of the beneficiary is identified in the "Outbound DN-BIC Routing" mapping table from the field Creditor Agent. From now on, this DN is referred to as "Beneficiary DN".</u>
<u>11</u>	<u>FIToFICustomerCreditTransferV08</u>	<u>TIPS as sender</u> <u>Beneficiary Participant or Instructing Party as receiver</u>	<u>TIPS forwards the received Instant Payment transaction to the Beneficiary DN.</u>
<u>12p</u>	<u>FIToFIPaymentStatusReportV10</u>	<u>Beneficiary Participant or Instructing Party as sender</u> <u>TIPS as receiver</u>	<u>The Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party starts the settlement phase of the transaction by sending a positive payment status report that is successfully delivered to TIPS.</u> <u>Technical validation, check of mandatory fields and authentication checks have already been successfully executed.</u>

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<u>Step</u>	<u>Involved messages</u>	<u>Involved actors</u>	<u>Description</u>
13p		TIPS	<p>TIPS successfully executes the checks:</p> <ul style="list-style-type: none"> - Access Rights check; - Instructing Party authorised – creditor side; - Pending transaction existing; - Timeout Check - Beneficiary Side. <p>See 4.1- Business Rules for details.</p>
13e	FIToFIPaymentStatusReportV10	<p><u>TIPS as sender</u></p> <p><u>Beneficiary Participant or Instructing Party as receiver</u></p>	<p>TIPS unsuccessfully executes the checks listed in step 13p.</p> <p>At the first negative check the system stops and sends a message to the Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party (DN of the sender of the message) containing the proper error code.</p> <p>See 4.1- Business Rules for details.</p>
14e		TIPS	<p>If the pending transaction exists, TIPS retrieves it using the Transaction ID.</p> <p>The reserved amount is released in the involved Originator Account and the possibly involved Debiting CMB is increased of the same amount.</p> <p>TIPS always releases the reserved transactions even if the involved account or CMB have been blocked in the meantime.</p> <p>The transaction is set to "<i>Failed</i>" status.</p>

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Step	Involved messages	Involved actors	Description
15e	FIToFIPaymentStatusReportV10	<u>TIPS as sender</u> <u>Originator Participant or Instructing Party as receiver</u>	<u>TIPS sends a message to the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party – same DN of the Sender in step 1 – containing the proper error code.</u>
14p		<u>TIPS</u>	<u>TIPS identifies the transaction using the Transaction ID. The transaction Id is related to a transaction that exists in TIPS and still in "Reserved" status.</u>
15p		<u>TIPS</u>	<u>TIPS retrieves the reserved transaction and confirms it. The amount is considered settled and the transaction is set to "Settled" status.</u> <u>The reserved amount of the Originator Account is decreased by the amount of the corresponding settled transaction.</u> <u>The same positive amount is added to the Beneficiary Account. If a Crediting CMB is involved, TIPS increases its headroom by the same amount.</u> <u>TIPS always executes the reserved transactions even though the involved accounts (or CMBs) have been blocked in the meantime.</u>
16p	FIToFIPaymentStatusReportV10	<u>TIPS as sender</u> <u>Originator Participant or Instructing Party as receiver</u>	<u>TIPS forwards the received FIToFIPaymentStatusReportV10 to the Originator DN.</u>

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Step	Involved messages	Involved actors	Description
17p	FIToFIPaymentStatusReportV10	<u>TIPS as sender</u> <u>Beneficiary Participant or Instructing Party as receiver</u>	<u>TIPS generates a positive Payment status report and sends it to the Beneficiary DN.</u> <u>The FIToFIPaymentStatusReportV10 contains the Transaction ID and Originator BIC of the transaction.</u>
18p	ReturnAccount	<u>TIPS as sender</u> <u>Debited Account and/or CMB Owner</u>	<u>TIPS checks the "Floor notification amount" configured for the involved Originator Account or Debiting CMB.</u> <u>After settlement confirmation, if the account balance and/or the CMB headroom crosses the threshold configured as "floor notification amount", TIPS sends a ReturnAccount to the Account and/or CMB owners involved in the transaction.</u> <u>The message is sent to the default DN of the Account Owner and/or CMB Owner.</u> <u>The message contains the Originator Account Number or the Debiting CMB Number</u>
19p	ReturnAccount	<u>TIPS as sender</u> <u>Credited Account and/or CMB Owner</u>	<u>TIPS checks the "Ceiling notification amount" configured for the involved Beneficiary Account or Crediting CMB.</u> <u>After settlement confirmation, if the account balance and/or the CMB headroom crosses the threshold configured as "ceiling notification amount", TIPS sends a ReturnAccount to the Account and/or CMB owners involved in the transaction.</u> <u>The message is sent to the default DN of the Account Owner and/or CMB Owner.</u> <u>The message contains the Beneficiary Account Number or the crediting CMB Number</u>

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Step	Involved messages	Involved actors	Description
12n	FIToFIPaymentStatusReportV10	<u>Beneficiary Participant or Instructing Party as sender</u> <u>TIPS as receiver</u>	<p><u>The Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party triggers the settlement phase of the transaction sending a negative payment status report that is successfully delivered to TIPS.</u></p> <p><u>In this scenario the settlement phase will end up with a rejection of the Instant Payment transaction and the un-reservation of corresponding funds.</u></p> <p><u>Technical validation, check of mandatory fields and authentication checks have already been successfully executed.</u></p>
13n		<u>TIPS</u>	<p><u>TIPS successfully executes the checks:</u></p> <ul style="list-style-type: none"> - Access Rights check; - Instructing Party authorised – creditor side; - Pending transaction existing. <p><u>See 4.1- Business Rules for details.</u></p>
13e		<u>TIPS as sender</u> <u>Beneficiary Participant or Instructing Party as receiver</u>	<p><u>TIPS unsuccessfully executes the checks at step 13n.</u></p> <p><u>At the first negative check the system stops and sends a message to the Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party (DN of the sender of the message) containing the proper error code.</u></p> <p><u>See 4.1- Business Rules for details.</u></p>
14e		<u>TIPS</u>	<p><u>If the pending transaction exists, TIPS retrieves it using the Transaction ID.</u></p> <p><u>The reserved amount is released in the involved Originator Account and the possibly involved Debiting CMB is increased of the same amount.</u></p>

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Step	Involved messages	Involved actors	Description
			<p><u>TIPS always releases the reserved transactions even if the involved account or CMB have been blocked in the meantime.</u></p> <p><u>The transaction is set to "Failed" status.</u></p>
15e	FIToFIPaymentStatusReportV10	<p><u>TIPS as sender</u></p> <p><u>Originator Participant or</u> <u>Instructing Party as receiver</u></p>	<p><u>TIPS sends a message to the Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party – same DN of the Sender in step 1 – containing the proper error code.</u></p>
14n		<u>TIPS</u>	<p><u>TIPS identifies the transaction using the Transaction ID. The Transaction ID is related to a transaction existing in TIPS and still in "Reserved" status.</u></p>
15n		<u>TIPS</u>	<p><u>TIPS retrieves the Instant Payment transaction to be rejected and releases it.</u></p> <p><u>The reserved amount is released in the involved Originator Account and the possibly involved Debiting CMB is increased of the same amount.</u></p> <p><u>TIPS always releases the reserved transactions even if the involved account or CMB have been blocked in the meantime.</u></p> <p><u>The transaction is set to "Rejected" status.</u></p>
16n	FIToFIPaymentStatusReportV10	<p><u>TIPS as sender</u></p> <p><u>Originator Participant or</u> <u>Instructing Party as receiver</u></p>	<p><u>TIPS forwards the received Payment status report to the Originator DN.</u></p>

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13) New section §2.2.3 Instant Payment (SIP model)

This section focuses on the settlement of Instant Payment transactions adhering to the SIP model, describing the full scenario and the related steps.

The introductory part of the section presents the general flow, including all the steps.

All the remaining sub-sections contain examples of the possible scenarios, starting from a successful one and detailing possible failure scenarios. Each example shows the relevant messages and how the main fields are filled.

The SIP process covers the scenarios in which an Originator Participant or Instructing Party acting on behalf of the Originator Participant or a Reachable Party instructs TIPS in order to transfer funds to the account of a Beneficiary Participant without prior reservation of funds. The involved actors are:

- The Originator Participant, or Instructing Party acting on behalf of the Originator Participant or a Reachable Party, starting the scenario;
- The Beneficiary Participant, or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party, receiving either the confirmation or the rejection of the payment.

The involved messages are:

- The [FIToFICustomerCreditTransferV08](#) message sent by the Single Instructing Party acting on behalf of the counterparties in order to instruct the instant payment in a non-Euro currency;
- The [FIToFIPaymentStatusReportV10](#) message sent by TIPS to inform the Single Instructing Party about the result of the settlement (i.e. settled, rejected, timed-out) in a non-Euro currency;
- The [FIToFICustomerCreditTransfer](#) message sent by the Single Instructing Party acting on behalf of the counterparties in order to instruct the instant payment in Euro currency;
- The [FIToFIPaymentStatusReport](#) message sent by TIPS to inform the Single Instructing Party actor about the result of the settlement (i.e. settled, rejected, timed-out) in Euro currency;
- The [ReturnAccount](#) message that is sent, on optional basis, by TIPS to the Single Instructing Party actor. The message is sent by TIPS if (i) the owner of the TIPS account (or CMB) enables the floor and ceiling notifications and (ii) the configured threshold is crossed.

All the described scenarios are triggered under the assumption that the technical validation, check of mandatory fields and authentication of the user have already been successfully performed by ESMIG.

Similarly to the SCT^{Inst} processing, it is worth noting that when the Debtor or Creditor BIC contains a BIC8 instead of a BIC11, the message is accepted and the BIC8 is translated into a BIC11 by appending "XXX" at the end of the BIC8 for further processing. All the steps are described considering BIC11 only.

14) New diagram "Instant Payment transaction flow for SIP model"

The new diagram will follow the same approach of current figure 15 and it will describe the various steps envisaged for the SIP model processing.

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15) New table “Instant Payment transaction steps for SIP model”

The new table will follow the same approach of current table 38 and it will describe the various steps envisaged for the SIP model processing which can be used for both Euro and non-Euro currencies.

16) New examples in §2.2.2 for non-Euro currencies scheme

New data constellation and examples have to be produced for the non-Euro currency scheme (e.g. RIX-INST). This includes the usage of the customised pacs.008 and pacs.002 envisaged for the settlement of instant payments in non-Euro currencies (i.e. FIToFICustomerCreditTransferV08 and FIToFIPaymentStatusReportV10).

17) New examples in §2.2.2 for SIP model

New data constellation and examples have to be produced for the Instant Payment processing model following the Single Instructing Party approach, including the usage of the customised pacs.008 and pacs.002 envisaged for the settlement of instant payments both in euro (i.e., FIToFICustomerCreditTransfer and FIToFIPaymentStatusReport). or in a currency different from euro (i.e., FIToFICustomerCreditTransferV08 and FIToFIPaymentStatusReportV10).

18) §3.3.1 List of messages – table for non-Euro Settlement Models contains also messages and impacts stemming from TIPS CR.0031.URD

Table 4 – List of messages for SCT^{Inst}

ISO Message	Message Name	Scenario
<u>Payments Clearing and Settlement</u>		
[...]	[...]	[...]
<u>Cash Management</u>		
[...]	[...]	[...]
camt.004.001.07	ReturnAccount	Settlement of Instant Payments <u>Settlement of Recall</u> Liquidity Management Reports and queries

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Table 54 – List of messages for non-Euro Settlement Models

ISO Message	Message Name	Scenario
<u>Payments Clearing and Settlement</u>		
pacs.002.001.10	FIToFIPaymentStatusReport	Settlement of Instant Payments
pacs.004.001.09	PaymentReturn	Settlement of Recall
pacs.008.001.08	FIToFICustomerCreditTransfer	Settlement of Instant Payments
pacs.028.001.03	FIToFIPaymentStatusRequest	Investigation and Recall
<u>Cash Management</u>		
camt.003.001.06	GetAccount	Reports and queries
camt.004.001.07	ReturnAccount	Settlement of Instant Payments Settlement of Recall Liquidity Management Reports and queries
camt.011.001.06	ModifyLimit	Reference data maintenance
camt.019.001.06	ReturnBusinessDayInformation	Reports and queries
camt.025.001.04	Receipt	Liquidity Management Reference data maintenance
camt.029.001.09	ResolutionOfInvestigation	Recall
camt.050.001.04	LiquidityCreditTransfer	Liquidity Management
camt.052.001.06	BankToCustomerAccountReport	Reports and queries
camt.053.001.06	BankToCustomerStatement	Reports and queries
camt.054.001.06	BankToCustomerDebitCreditNotification	Liquidity Management
camt.056.001.08	FIToFIPaymentCancellationRequest	Recall
<u>Account Management (acmt)</u>		
acmt.010.001.02	AccountRequestAcknowledgement	Reference Data management
acmt.011.001.02	AccountRequestRejection	Reference Data management
acmt.015.001.02	AccountExcludedMandateMaintenanceRequest	Reference Data management
<u>Reference Data (reda)</u>		

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ISO Message	Message Name	Scenario
reda.016.001.01	PartyStatusAdviceV01	Reference Data management
reda.022.001.01	PartyModificationRequestV01	Reference Data management

19) §3.3.2.1.5 FIToFIPaymentStatusReportV10

FIToFIPaymentStatusReportV10 (pacs.002.001.10)

The FIToFIPaymentStatusReport message is used in several business cases for non-Euro settlement models:

1. It is sent by TIPS to the Originator Participant to report a rejection for a pacs.008 transaction;
2. It is sent by the Beneficiary Participant or Instructing Party to TIPS to report the processing result of a pacs.008 sent by TIPS upon request of an Originator Participant;
3. The message as received by the Beneficiary Participant is forwarded to the Originator Participant. This scenario covers also the positive response to a Status Investigation request;
4. It is sent by TIPS to the Beneficiary Participant as a confirmation for processing of the pacs.002 received from the Beneficiary Participant itself;
5. It is sent by TIPS to the Originator Participant after a negative response to a Status Investigation request;
6. It is sent by TIPS to either the Originator Participant or the Beneficiary Participant in case of errors (e.g. to Beneficiary Participant in response to a delayed positive confirmation, in case of timeout condition triggered by TIPS);
7. It is sent by TIPS to the sender of the Recall in case of errors;
8. It is sent by TIPS to the sender of the positive Recall Answer either as a positive settlement confirmation or in case of errors (e.g. not sufficient funds to settle the positive recall or validation error related to the Recall Answer);
9. It is sent by TIPS to the sender of the negative Recall Answer in case of errors (e.g. missing access rights);
10. It is sent by TIPS to the Originator Participant as a confirmation for the successful processing of the pacs.008 transaction.

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Table xx – pacs.002.001.10

<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Message Identification</u>	<u>The Identification of the message.</u>	<u>FIToFIPmtStsRpt/GrpHdr/MsgId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Creation Date Time</u>	<u>Date and time at which the message was created.</u>	<u>FIToFIPmtStsRpt/GrpHdr/CreDtTm</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Instructing Agent</u>	<u>Agent that instructs the next party in the chain to carry out the instruction.</u>	<u>FIToFIPmtStsRpt/GrpHdr/InstgAgt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Instructed Agent</u>	<u>Agent that is instructed by the previous party in the chain to carry out the instruction.</u>	<u>FIToFIPmtStsRpt/GrpHdr/InstdAgt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Original Message Identification</u>	<u>Message Identification of the originating message</u>	<u>FIToFIPmtStsRpt/OrgnlGrpInfAndSts/OrgnlMsgId</u>	<u>Yes</u>	<p><u>This field matches with the Identification of the original message.</u></p> <p><u>Business cases 1.2.3.6.10:</u> <u>FIToFICstmrCdtTrf/GrpHdr/MsgId</u></p> <p><u>Business case 4:</u> <u>FIToFIPmtStsRpt/GrpHdr/MsgId</u></p> <p><u>Business case 5:</u> <u>FIToFIPmtStsReq/GrpHdr/MsgId</u></p> <p><u>Business case 7:</u> <u>FIToFIPmtCxlReq/Assqnm/Id</u></p> <p><u>Business case 8:</u> <u>PmtRtr/GrpHdr/MsgId</u></p> <p><u>Business case 9:</u> <u>RsltnOfInvstqtn/Assqnm/Id</u></p>

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<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Original Message Name Identification</u>	<u>Message identifier of the originating message</u>	<u>FItoFIPmtStsRpt/OrqnlGrpInfAndSts/OrqnlMsgNmld</u>	<u>Yes</u>	<u>Business cases 1,2,3,6,10 : pacs.008.001.08</u> <u>Business case 4: pacs.002.001.10</u> <u>Business case 5: pacs.028.001.03</u> <u>Business case 7: camt.056.001.08</u> <u>Business case 8: pacs.004.001.09</u> <u>Business case 9: camt.029.001.09</u>
<u>Group Status Transaction Status</u>	<u>The type of "R" message</u>	<u>FItoFIPmtStsRpt/OrqnlGrpInfAndSts/GrpSts</u> <u>FItoFIPmtStsRpt/TxInfAndSts/TxSts</u>	<u>No</u>	<u>Either Group Status or Transaction Status must be used.</u> <u>If incoming pacs.002 from beneficiary does not include any status or both are filled in, connected payment transaction will be rejected by TIPS.</u> <u>In outgoing pacs.002 messages produced by TIPS, Group Status will be used for positive confirmation while Transaction Status will be included for negative acknowledgements.</u>
<u>Reason</u>	<u>The reason code for non-acceptance of the Transaction</u>	<u>FItoFIPmtStsRpt/OrqnlGrpInfAndSts/StsRsnInf/Rsn/Cd</u>	<u>No</u>	<u>This field is used for negative confirmation message only.</u>
<u>Transaction Information And Status</u>	<u>Information concerning the original transactions, to which the status report message refers.</u>	<u>FItoFIPmtStsRpt/TxInfAndSts</u>	<u>No</u>	<u>Only one occurrence is allowed</u>

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Reference Name	Description	XML path	Mand.	TIPS Usage
Status Identification	The specific reference of the party initiating the Reject	<u>FIToFIPmtStsRpt/TxInfAndSts/StslId</u>	No	For positive confirmation it is the The Beneficiary Bank's reference of the SCT Inst Transaction. For negative confirmation it is the The specific reference of the party initiating the Reject.
Original Instruction Identification	Unique identification, as assigned by the original Instructing Party for the original instructed party.	<u>FIToFIPmtStsRpt/TxInfAndSts/OrgnlInstrId</u>	No	Only schema validation is performed.
Original End To End Identification	The Originator's reference of the Transaction	<u>FIToFIPmtStsRpt/TxInfAndSts/OrgnlEndToEndId</u>	No	Only schema validation is performed.
Original Transaction Identification	The Originator Bank's reference number of the Transaction message	<u>FIToFIPmtStsRpt/TxInfAndSts/OrgnlTxId</u>	Yes	
Original UETR	UETR number of the Transaction message	<u>FIToFIPmtStsRpt/TxInfAndSts/OrgnlUETR</u>	No	Only schema validation is performed.
Originator	The Identification of the type of party initiating the "R" message	<u>FIToFIPmtStsRpt/OrgnlGrpInfAndSts/StsRsnInf/Orgtr</u> <u>FIToFIPmtStsRpt/TxInfAndSts/StsRsnInf/Orgtr</u>	No	These fields are mandatory for negative confirmation message. not allowed otherwise.
Reason	The reason code for non-acceptance of the Transaction	<u>FIToFIPmtStsRpt/TxInfAndSts/StsRsnInf/Rsn/Cd</u>	No	This field is used for negative confirmation message only.
Acceptance Timestamp	Time Stamp of the Transaction	<u>FIToFIPmtStsRpt/TxInfAndSts/AcceptncDtTm</u>	No	Only schema validation is performed.
Original Transaction Reference	Set of key elements used to identify the original transaction that is being referred to.	<u>FIToFIPmtStsRpt/TxInfAndSts/OrgnlTxRef</u>	Yes	Only schema validation is performed.
Scheme Identification Code	The identification code of the Scheme	<u>FIToFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/PmtTpInf/SvcLvl/Cd</u> <u>FIToFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/PmtTpInf/LclInstrm/Cd</u>	No	Only schema validation is performed.
Category Purpose	The category purpose of the Instruction	<u>FIToFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/PmtTpInf/CtgyPurp</u>	No	Only schema validation is performed.

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<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Originator BIC</u>	<u>The BIC code of the Originator Bank</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnITxRef/DbtrAgt/FinInstnId/BICFI</u>	<u>Yes</u>	

20) §3.3.2.1.6 FIToFICustomerCreditTransferV08

FItoFICustomerCreditTransferV08 (pacs.008.001.08)

The FItoFICustomerCreditTransfer message allows instructing TIPS for an Instant Payment transaction of a positive amount of money from the originator participant account to the beneficiary participant account for non-Euro settlement models:

Table xx – Description of the fields for pacs.008.001.08

<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Message Identification</u>	<u>Point to point reference, as assigned by the instructing party.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/MsgId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Creation Date Time</u>	<u>Date and time at which the message was created.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/CreDtTm</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Number Of Transactions</u>	<u>Number of individual transactions contained in the message.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/NbOfTx</u>	<u>Yes</u>	<u>Possible values are checked within schema validation.</u>
<u>Total Interbank Settlement Amount</u>	<u>Total amount of money moved between the instructing agent and the instructed agent.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/TtlIntrBkSttlmAmt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Settlement Date</u>	<u>The Settlement Date of the Transaction</u>	<u>FItoFICstmrCdtTrf/GrpHdr/intrBkSttlmDt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Settlement Information</u>	<u>Specifies the details on how the settlement of the transaction between the instructing agent and the instructed agent is completed.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/SttlmInf</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>

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<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Settlement Method</u>	<u>Method used to settle the Instant Payment Transaction.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/SttlmInf/SttlmMtd</u>	<u>Yes</u>	<u>Possible values are checked within schema validation.</u>
<u>Settlement Account</u>	<u>A specific purpose account used to post debit and credit entries as a result of the transaction.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/SttlmInf/SttlmAcct</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Clearing System</u>	<u>Specification of a pre-agreed offering between clearing agents or the channel through which the Instant Payment transaction is processed.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/SttlmInf/ClrSys</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Payment Type Information</u>	<u>Set of elements used to further specify the type of transaction.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/PmtTpInf</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Scheme Identification Code</u>	<u>The identification code of the Scheme</u>	<u>FIToFICstmrCdtTrf/GrpHdr/PmtTpInf/SvcLvl</u> <u>FIToFICstmrCdtTrf/GrpHdr/PmtTpInf/LclInstrm</u>	<u>No</u>	<u>Possible values are checked within schema validation.</u>
<u>Category Purpose</u>	<u>The category purpose of the Instruction</u>	<u>FIToFICstmrCdtTrf/GrpHdr/PmtTpInf/CtgyPurp</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Instructing Agent</u>	<u>Agent that instructs the next party in the chain to carry out the instruction.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/instgAgt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Instructed Agent</u>	<u>Agent that is instructed by the previous party in the chain to carry out the instruction.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/instdAgt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Credit Transfer Transaction Information</u>	<u>Set of elements providing information specific to the individual credit transfer.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Instruction Identification</u>	<u>Unique identification, as assigned by an instructing party for an instructed party.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/PmtId/InstrId</u>	<u>No</u>	<u>Only schema validation is performed.</u>

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<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>End To End Identification</u>	<u>The Originator's reference of the Transaction</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Pmtld/EndToEndId</u>	No	<u>Only schema validation is performed.</u>
<u>Transaction Identification</u>	<u>The Originator Bank's reference number of the Transaction message</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Pmtld/TxId</u>	Yes	<u>The Transaction Reference used to identify the Instant Payment transaction and perform the duplicate check</u>
<u>UETR</u>	<u>UETR number of the Transaction message</u>	<u>Document/FItoFICstmrCdtTrf/CdtTrfTxInf/Pmtld/UETR</u>	No	<u>Only schema validation is performed.</u>
<u>Service Level</u>	<u>GPI Service Type Identifiers of the Transaction message</u>	<u>Document/FItoFICstmrCdtTrf/CdtTrfTxInf/PmtTpInf/SvcLvl</u>	No	No
<u>Settlement Amount</u>	<u>The amount of the Transaction</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/IntrBkSttlmAmt</u>	Yes	<u>The currency of the Settlement Amount must be the same of the Creditor and Debtor Accounts</u>
<u>Acceptance Timestamp</u>	<u>Time Stamp of the Transaction</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/AcceptncDtTm</u>	Yes	<u>The Acceptance Timestamp is used as a starting point in time for the Instant Payment transaction processing at Originator Bank level. The Acceptance Timestamp shall be expressed in UTC.</u>

Change Request form

<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Charge Bearer</u>	<u>Specifies which party/parties will bear the charges associated with the processing of the payment transaction.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/ChrgBr</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Originator Reference Party Name</u>	<u>The name of the Originator Reference Party</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/Nm</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Originator Reference Party Identification Code</u>	<u>The identification code of the Originator Reference Party</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/Id</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Ultimate Debtor ± Identification ++ Organisation Identification</u>	<u>Unique and unambiguous way to identify an organisation.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/Id/OrgId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Ultimate Debtor ± Identification ++ Private Identification</u>	<u>Unique and unambiguous identification of a person, eg. passport.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/Id/PrvtId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Ultimate Debtor + Country Of Residence</u>	<u>Country Of Residence</u>	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/CtryOfRes</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Debtor</u>	<u>Party that owes an amount of money to the (ultimate) creditor.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Originator Name</u>	<u>The name of the Originator</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/Nm</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Originator Address</u>	<u>The address of the Originator</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/PstlAdr</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Debtor + Postal Address ++ Country Code</u>	<u>Nation with its own government.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/PstlAdr/Ctry</u>	<u>No</u>	<u>Only schema validation is performed.</u>

Change Request form

<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Debtor</u> <u>+ Postal Address</u> <u>++ Address Line</u>	<u>Information that locates and identifies a specific address, as defined by postal services, presented in free format text.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/PstlAdr/AdrLine</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Originator Identification Code</u>	<u>The Originator identification code</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/Id</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Debtor</u> <u>± Identification</u> <u>++ Organisation Identification</u>	<u>Unique and unambiguous way to identify an organisation</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/Id/OrgId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Debtor</u> <u>± Identification</u> <u>++ Private Identification</u>	<u>Unique and unambiguous identification of a person, eg. passport.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/Id/PrvtId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Debtor</u> <u>+ Country Of Residence</u>	<u>Country Of Residence</u>	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/CtryOfRes</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Originator Account</u>	<u>The account of the Originator</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Originator Account Identification</u>	<u>Identification of the Originator Account</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Id</u>	<u>Yes</u>	<u>IBAN is used to identify an Account.</u>
<u>Originator Account</u> <u>+ Type</u>	<u>Originator Account type used for Alias/Proxy</u>	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Tp</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Originator Account</u> <u>+ Name</u>	<u>The Alias or Proxy of the account of the Originator.</u>	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Nm</u>	<u>No</u>	<u>Only schema validation is performed.</u>

Change Request form

<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Originator</u>	<u>The Originator Bank</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt/FinInstnId</u>	<u>Yes</u>	<p>The <u>Distinguished Name of the sender must be authorised to instruct for the Originator BIC</u></p> <p>The <u>Originator BIC must be stored as an Account Authorised BIC or CMB user</u></p>
<u>Beneficiary</u>	<u>The Beneficiary Bank</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt/FinInstnId</u>	<u>Yes</u>	<p>The <u>Beneficiary BIC must be linked with at least one Distinguish Name for outbound message routing</u></p>
<u>Creditor</u>	<u>Party to which an amount of money is due.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Creditor Name</u>	<u>The name of the Beneficiary</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Nm</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Creditor Address</u>	<u>The address of the Beneficiary</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/PstlAdr</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Creditor + Postal Address ++ Country Code</u>	<u>Nation with its own government.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/PstlAdr/Ctry</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Creditor + Postal Address ++ Address Line</u>	<u>Information that locates and identifies a specific address, as defined by postal services, presented in free format text.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/PstlAdr/AdrLine</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Creditor Identification</u>	<u>The Beneficiary identification code</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Id</u>	<u>No</u>	<u>Only schema validation is performed.</u>

Change Request form

<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Creditor ± Identification ++ Organisation Identification</u>	<u>Unique and unambiguous way to identify an organisation</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Ld/Orqld</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Creditor ± Identification ++ Private Identification</u>	<u>Unique and unambiguous identification of a person, eg, passport.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Ld/Prvtld</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>Creditor Account</u>	<u>The account of the beneficiary</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Creditor Account Identification</u>	<u>Identification of the Creditor Account</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Ld/Orqld</u>	<u>Yes</u>	<u>IBAN is used to identify an Account.</u>
<u>Creditor Account + Type</u>	<u>Creditor Account type used for Alias/Proxy</u>	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct/Tp</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Creditor Account + Name</u>	<u>The Alias or Proxy of the account of the Creditor.</u>	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct/Nm</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Creditor Account Proxy</u>	<u>Specifies an alternate assumed name for the identification of the account.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Ld/Prvtld</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Ultimate Creditor</u>	<u>Ultimate party to which an amount of money is due.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Ultimate Creditor Name</u>	<u>The name of the Beneficiary Reference Party</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr/Nm</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Ultimate Creditor + Postal Address</u>	<u>Ultimate Creditor Postal Address</u>	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr/PstlAdr</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>Ultimate Creditor Identification</u>	<u>The identification code of the Beneficiary Reference Party</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr/Ld</u>	<u>No</u>	<u>Only schema validation is performed.</u>

Change Request form

<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Ultimate Creditor</u> ± <u>Identification</u> ++ <u>Organisation Identification</u>	Information that locates and identifies a specific address, as defined by postal services, presented in free format text.	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UlmtCdtr/Id/OrgId</u>	Yes	<u>Only schema validation is performed.</u>
<u>Ultimate Creditor</u> ± <u>Identification</u> ++ Private <u>Identification</u>	Unique and unambiguous identification of a person, eg, passport.	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UlmtCdtr/Id/PrvtId</u>	Yes	<u>Only schema validation is performed.</u>
<u>Purpose</u>	The purpose of the Instruction	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Purp</u>	No	<u>Only schema validation is performed.</u>
<u>Regulatory Reporting</u>	Information needed due to regulatory and statutory requirements.	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/RgltryRptg</u>	No	<u>Only schema validation is performed.</u>
<u>Regulatory Reporting</u> + Debit Credit <u>Reporting Indicator</u>	Information needed due to regulatory and statutory requirements.	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/RgltryRptg/DbtCdtRptgInd</u>	No	<u>Only schema validation is performed.</u>
<u>Regulatory Reporting</u> ± Authority	Information needed due to regulatory and statutory requirements.	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/RgltryRptg/Authrty</u>	No	<u>Only schema validation is performed.</u>
<u>Regulatory Reporting</u> + Details	Information needed due to regulatory and statutory requirements.	<u>Document/FIToFICstmrCdtTrf/CdtTrfTxInf/RgltryRptg/Dtls</u>	No	<u>Only schema validation is performed.</u>
<u>Remittance Information</u>	The Remittance Information	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/RmtInf</u>	No	<u>Only schema validation is performed.</u>

Change Request form

Reference Name	Description	XML path	Mand.	TIPS Usage
Remittance Information ± Unstructured	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an account receivable system, in an unstructured form.	FItoFICstmrCdtTrf/CdtTrfTxInf/RmtInf/Ustrd	No	Either Unstructured or Structured may be present. If both components are included, the message will be rejected during the schema validation process.
Remittance Information + Structured	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an account receivable system, in a structured form.	FItoFICstmrCdtTrf/CdtTrfTxInf/RmtInf/Strd	No	Either Unstructured or Structured may be present. If both components are included, the message will be rejected during the schema validation process.
Remittance Information + Structured ++ Referred Document Information	Set of elements used to identify the documents referred to in the remittance information.	Document/FItoFICstmrCdtTrf/CdtTrfTxInf/RmtInf/Strd/RfrdDocInf	No	Only schema validation is performed.
Remittance Information + Structured ++ Referred Document Amount	Set of elements used to provide details on the amounts of the referred document.	Document/FItoFICstmrCdtTrf/CdtTrfTxInf/RmtInf/Strd/RfrdDocAmt	No	Only schema validation is performed.

Change Request form

<u>Reference Name</u>	<u>Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>Remittance Information</u> + Structured ++ Creditor Reference Information	<u>Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an account receivable system, in a structured form.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/RmtInf/Strd</u> _____	No	<u>As the Creditor Bank is not obliged to validate the reference information, TIPS will apply schema validation to this component and included sub-components.</u>

21) §4.6 List of acronyms

<u>Item</u>	<u>Description</u>
[...]	[...]
SEPA	Single Euro Payments Area
<u>SIP</u>	<u>Single Instructing Party</u>
[...]	[...]

22) New XSD for pacs.008.001.08 and pacs.002.001.10

CRDM UDFS for Riksbank

23) §1.2.2.1.2 Privileges – Table 12 – TIPS Functions

A new privilege has to be defined, in order to enable the SIP processing model.

<u>PRIVILEGE</u>	<u>USER FUNCTION</u>	<u>DATA SCOPE</u>
Adjust CMB Limit	Adjust CMB Limit	Data within own System Entity (for Central Bank) or linked to own Party (for Payment Bank)
Instruct Instant Payment	Initiate Instant Payment Confirm/reject Instant Payment	Data related to Accounts within own System Entity (for Central Bank) or for which own Party is set as authorised user (for Payment Bank)

Change Request form

PRIVILEGE	USER FUNCTION	DATA SCOPE
	Request Instant Payment recall Confirm Instant Payment recall Reject Instant Payment recall Instant Payment Status Investigation Request Recall Status Update	
<u>Instruct IP using Single Instructing Party</u>	<u>Initiate Instant Payment without reservation of funds</u>	<u>Data related to Accounts within own System Entity (for Central Bank) or for which own Party is set as authorised user (for Payment Bank)</u>
Instruct Liquidity Transfer	Initiate Outbound Liquidity Transfer	Accounts within own System Entity (for Central Bank) or owned by own Party (for Payment Bank)
[...]	[...]	[...]

TIPS Training material

24) FN.010-TIPS Overview – Slide 17

Provide an high-level description of the new SIP settlement model.

25) FN.040-Settlement of Instant Payments – Slide 4

Amend the diagram to adapt to the non-Euro currencies scheme requirements.

26) FN.040-Settlement of Instant Payments – Section 1 “Settlement process” – slides 3 to 34

Amend the whole section to reflect the required changes due to non-Euro currencies scheme. A description of the SIP settlement model has also to be provided.

Change Request form

ESMIG UDFS

27) §1.5.3.2 Technical message validation for TIPS

New subsection §1.5.3.2.1 to describe the technical message validation for the SCT^{Inst} scheme.

28) §1.5.3.2.1 Additional technical validation for SCT^{Inst} scheme

In the business context of the EPC SCTInst scheme~~As for TIPS~~, the additional technical message validation are executed by ESMIG and they are required to detect potential inconsistencies in the format of the message, e.g. due to cross-field validation.

[...]

29) New section §1.5.3.2.2 Additional technical validation for non-Euro currencies scheme

1.5.3.2.2 Additional technical validation for non-Euro currencies scheme

In the business context of non-Euro currencies scheme, the additional technical message validation are executed by ESMIG and they are required to detect potential inconsistencies in the format of the message, e.g. due to cross-field validation.

As soon as the first cross-field validation is unsuccessful, ESMIG prevents the forwarding of the incoming message to the TIPS application and replies to the sender [see [Table 4](#) and [1.5.4.3 – ReceiptAcknowledgement \(admi.007.001.01\)](#)] containing a proper error code, depending on the specific violation hit.

Change Request form

The table below describes, for each incoming message where the cross-field validation applies, the technical checks performed by ESMIG and the relevant error code issued.

Table XX – Cross Field validation for non-Euro currencies scheme

ISO CODE	Field/Group	Check to be performed	X-PATH	ERROR Code	Output message
<u>pac.002.001.10</u>	<u>Group Status</u> <u>Transaction Status</u>	<u>Neither group status nor transaction status has been specified</u>	<u>FIToFIPmtStsRpt/OrgnlGrpInfAndSts/GrpSts</u> <u>FIToFIPmtStsRpt/TxInfAndSts/TxSts</u>	MS01	<u>pac.002.001.10</u>
<u>pac.002.001.10</u>	<u>Group Status</u> <u>Transaction Status</u>	<u>Both group status and transaction status have been specified</u>	<u>FIToFIPmtStsRpt/OrgnlGrpInfAndSts/GrpSts</u> <u>FIToFIPmtStsRpt/TxInfAndSts/TxSts</u>	MS01	<u>pac.002.001.10</u>
<u>pac.002.001.10</u>	<u>Reason</u>	<u>The relevant StsRsnInf tag for a negative reply (RJCT) should have been specified</u>	<u>FIToFIPmtStsRpt/OrgnlGrpInfAndSts/StsRsnInf/Rsn/Cd</u>	MS01	<u>pac.002.001.10</u>
<u>pac.002.001.10</u>	<u>Reason</u>	<u>The relevant StsRsnInf tag for a negative reply (RJCT) should have been specified</u>	<u>FIToFIPmtStsRpt/TxInfAndSts/StsRsnInf/Rsn/Cd</u>	MS01	<u>pac.002.001.10</u>
<u>pac.004.001.09</u>	<u>Number Of Transactions</u>	<u>TIPS supports only one transaction per message.</u> <u>NbOfTx (attribute tag) = 1</u>	<u>PmtRtr/GrpHdr/NbOfTx</u>	MS01	<u>pac.002.001.10</u>
<u>pac.004.001.09</u>	<u>Original Group Information</u>	<u>The OrgnlGrpInf has not been specified neither at group nor at transaction level</u>	<u>PmtRtr/OrgnlGrpInf</u> <u>PmtRtr/TxInf/OrgnlGrpInf</u>	MS01	<u>pac.002.001.10</u>

Change Request form

ISO CODE	Field/Group	Check to be performed	X-PATH	ERROR Code	Output message
<u>pac.004.001.09</u>	<u>Original Group Information</u>	<u>The OrgnlGrpInf has been specified both at group and at transaction level</u>	<u>PmtRtr/OrgnlGrpInf</u> <u>PmtRtr/TxInf/OrgnlGrpInf</u>	<u>MS01</u>	<u>pac.002.001.10</u>
<u>pac.004.001.09</u>	<u>Transaction Information</u>	<u>The xml message should contain exactly one TxInf tag</u>	<u>PmtRtr/TxInf</u>	<u>MS01</u>	<u>pac.002.001.10</u>
<u>pac.008.001.08</u>	<u>Remittance Information</u>	<u>Either Unstructured or Structured may be present. If both components are included, the message will be rejected</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/RmtInf/Ustrd</u> <u>FItoFICstmrCdtTrf/CdtTrfTxInf/RmtInf/Strd</u>	<u>MS01</u>	<u>pac.002.001.10</u>
<u>pac.028.001.03</u>	<u>Original Message Name Identification</u> <u>Original Instruction Identification</u>	<u>Original Message Name Identification = "camt.056.001.08" and Original Instruction Identification not specified.</u>	<u>FItoFIPmtStsReq/OrgnlGrpInf/OrgnlMsgNmId</u> <u>FItoFIPmtStsReq/TxInf/OrgnlInstrId</u>	<u>MS01</u>	<u>pac.002.001.10</u>
<u>pac.028.001.03</u>	<u>Original Message Name Identification</u> <u>Creditor Agent</u>	<u>Original Message Name Identification = "camt.056.001.08" and Creditor Agent not specified.</u>	<u>FItoFIPmtStsReq/OrgnlGrpInf/OrgnlMsgNmId</u> <u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/CdtrAgt/FinInstnId/BI</u> <u>CFI</u>	<u>MS01</u>	<u>pac.002.001.10</u>
<u>camt.050.001.04</u>	<u>Creditor Account Type</u>	<u>This field must not be included in the request.</u>	<u>LqdtuCdtTrf/LqdtuCdtTrf/CdtrAcct/Tp</u>	<u>L099</u>	<u>camt.025.001.04</u>

Change Request form

ISO CODE	Field/Group	Check to be performed	X-PATH	ERROR Code	Output message
		<u>The message will be rejected in that case.</u>			
<u>camt.050.001.04</u>	<u>Debtor Account Type</u>	<u>This field must not be included in the request.</u> <u>The message will be rejected in that case.</u>	<u>LqdyCdtTrf/LqdyCdtTrf/DbtrAcct/Tp</u>	<u>L099</u>	<u>camt.025.001.04</u>
<u>camt.050.001.04</u>	<u>Settlement Date</u>	<u>This must be included in outgoing Credit Transfer. It must be filled with the stored RTGS business date.</u>	<u>LqdyCdtTrf/LqdyCdtTrf/StlmDt</u>	<u>L099</u>	<u>camt.025.001.04</u>

30) §4.5 List of acronyms

Update the list of acronyms with all the necessary entries related to RIX-INST scheme.

Change Request form

High level description of Impact:

Outcome/Decisions:

General Information	
Impact on TIPS	
Business Interface	
X	A2A Interface
	U2A Interface
Settlement Engine	
X	Payment Transaction
	Liquidity Transfer
	Recall
Queries and Reports	
	Queries
	Reports
Others	
X	Testing tool
X	Contingency message application
Common Components	
X	ESMIG
X	CRDM
	Archiving
	Billing
	DMT
Operational Tools	
	SLA Reporting
	TMS

Change Request form

	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
TIPS UDFS	<ul style="list-style-type: none"> • §1.1 Introduction • §1.4.1 Payment transaction • §1.5.2 Settlement of IPs • §2.2 Examples • §3.3.1 List of messages 	<ul style="list-style-type: none"> • Description of the new Single Instructing Party model • New diagrams, tables with steps related to the new model/scheme • Update of the list of messages • Customised version for pacs.008 and pacs.002
CRDM UDFS	<ul style="list-style-type: none"> • §1.2.2.1.2 Privileges 	<ul style="list-style-type: none"> • New privilege for enabling the SIP model
ESMIG UDFS	<ul style="list-style-type: none"> • §1.5.3.2 Technical message validation for TIPS • §2.5 List of acronyms 	<ul style="list-style-type: none"> • New technical validations for the customised version of the XML messages for non-Euro currencies scheme
Training documentation	<ul style="list-style-type: none"> • FN.010_TIPS overview • FN.040_Settlement of instant payments 	<ul style="list-style-type: none"> • Adaptation of the existing TIPS training material to cope with the Riksbank new requirements and specific features.
Other documents		

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Overview of the impact of the request on TIPS

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

Summary of functional impact:

The Instant Payment processing in non-Euro currencies envisaged by the RIX-INST scheme implies a customisation of the relevant XSD schemas for pacs.008 and pacs.002. New version of such messages will coexist with the version used by SCT^{Inst} scheme for Euro.

Additionally, a new settlement model (i.e. Single Instructing Party model) is implemented with immediate settlement, without reservation of funds.

A new privilege has to be defined in CRDM and propagated to TIPS in order to allow Instructing Parties to trigger the SIP model.

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

- TIPS UDFS (for non-Euro currencies (e.g. RIX-INST), new SIP model, new examples)
- CRDM UDFS (new TIPS privilege)
- Message schemas for pacs.008 and pacs.002 (customisation of the existing schemas to take on board Riksbank requirements)
- TIPS Training material (adaptation of the current presentations due to multicurrency aspects, specificities in the area of IP settlement related to RIX^I-INST and new SIP model).

Summary of application development impact:

To enhance the TIPS application adding the new SIP and RIX-INST scheme and including the customization of the CRDM, leads to the following changes:

- SIP model:
 - o TIPS-ESMIG (Network adapter): handling of new message flows for SIP (parsing using the new schema files for XSD schemas for pacs.008 and pacs.002, validating and rejecting ensuring coexistence of current messages)
 - o TIPS Message Router: Processing of SIP payment and new non-euro RIX-INST messages (Authorization checks, normalization, serialization, post settlement and notification back to originator)
 - o TIPS Settlement core: New settlement operation for implementation of SIP scheme
 - o Other components impacted: Testing tool and Contingency Message Application (new messages added), Operational Database (new structures for SIP payments) and Informational Database (same as above)
- Customisation of messages (for both SIP model and for non-euro RIX-INST messages)
 - o TIPS-ESMIG (Network adapter): changes to handle new message flows for non-euro messages (parsing using the new schema files for XSD schemas for pacs.008 and pacs.002, validating and rejecting ensuring coexistence of current messages)

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- TIPS Message Router: Processing of non-euro RIX-INST messages (Authorization checks, normalization, serialization, store of on the Operational Database and Informational Database, post settlement and notification)
- Other components impacted: Testing tool (new messages added), Operational Database (new structures for SIP payments) and Informational Database (same as above)
- CRDM customisation and configuration for authorization to SIP model:
 - CRDM-Backend: new business rule to control granting of new privilege for SIP enabling.
 - CRDM-Backend: extraction of new privilege and transfer to TIPS.

Summary of infrastructure impact:

No infrastructure impact.

Summary of operational impact:

The new functionalities introduced with SIP model will entail an set of modification in operational tools and procedures in the following areas:

- Providing support for the customers testing activities related to the new SIP settlement model, new message schemas, granting and propagation of new privilege, configuration of the CRDM data related to the non-euro Central Bank in all environments;
- Updating operating procedures and testing the new functionalities of the Contingency Message Application.;

Updating operating procedures and testing the new functionalities of the informational database.

Summary of security impact:

See Change Request analysis.