

Change Request form

General Information (Origin of Request)		
<input checked="" type="checkbox"/> User Requirements Document (URD)		
<input checked="" type="checkbox"/> User Detailed Functional Specification (UDFS)		
<input checked="" type="checkbox"/> User Handbook (UHB)		
<input checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
Request raised by: ECB	Institution: ECB	Date raised: 11 December 2023
Request title: Adaptation of TIPS for the settlement of cross-currency transactions (based on OCT Inst scheme)		Request ref. no: TIPS-0064-URD
Request type:		
1. Legal/business importance parameter: High	2. Market implementation efforts parameter – Stakeholder impact: High	
3. Operational impact: High	4. Financial impact parameter: Medium	
5. Functional/ Technical impact: High	6. Interoperability impact: Medium	
Requestor Category: Central Bank	Status: Allocated to a Release	

Reason for change and expected benefits/business motivation:

In line with the European Commission communication on strengthening the international role of the euro¹ and the Eurosystem's Retail Payments Strategy², it is proposed to adapt TIPS for the settlement of cross-currency³ instant payment transactions.

By way of background, in November 2023 the European Payments Council (EPC)⁴ launched the One-Leg Out Instant Credit Transfer (OCT Inst) scheme and published the corresponding Rulebook (EPC158-22 v1.1 2023 One-Leg Out Instant Credit Transfer (OCT Inst) Scheme Rulebook) and Implementation Guidelines (EPC294-22 OCT Inst Inter-PSP OUTGOING IGs 2023 v1.0 and EPC251-22 OCT Inst Inter-PSP INCOMING IGs 2023 v1.0). The OCT Inst scheme covers the set of rules, practices and standards to achieve interoperability for the provision and operation of the euro leg of an international instant credit transfer agreed at inter-payment service provider level within SEPA.

Considered the multi-currency nature of the TIPS platform and the EU objective to enhance the harmonisation of instant payments within SEPA, it would be advisable that the cross-currency instant payment transactions settled in TIPS are processed in alignment with the rules defined in the OCT Inst Scheme.

During the analysis of the OCT Inst scheme the following findings have been identified:

- Separation of IGs and XSDs between OUTGOING (from Euro Leg to non-Euro Leg) and INCOMING (from non-Euro Leg to Euro Leg) flow directions;
- The currency EUR fixed at XSD level for one of the two currencies managed by the scheme;
- Several additional mandatory business cases shall be supported, compared to what is currently in place for SCT Inst.

¹ https://commission.europa.eu/publications/towards-stronger-international-role-euro-commission-contribution-european-council-and-euro-summit-13_en

² https://www.ecb.europa.eu/paym/integration/retail/retail_payments_strategy/html/index.en.html

³ The instant settlement of the leg(s) of a cross-currency payment transaction related to currency(ies) managed in TIPS

⁴ <https://www.europeanpaymentscouncil.eu/what-we-do/epc-payment-schemes/one-leg-out-instant-credit-transfer>

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While for the first two findings an alternate solution of using a super-set of XSDs and performing the validation of EUR currency at application level are considered good approximations given the multi-currency nature of TIPS, the third finding related to business cases cannot be implemented fully at this stage in view of this first cross-currency solution.

Description of requested change:

TIPS should be adapted in order to support the settlement of cross-currency instant payment transactions.

The proposed first version⁵ of a settlement model for cross-currency instant payment transactions in TIPS would foresee the following features:

- The implementation of a minimum set of core functions, which includes Instant Payment flow (i.e. pacs.008 and pacs.002) and Investigation (i.e. pacs.028);
- The creation of a super-set of XSDs, based on those defined in the context of the OCT Inst scheme, for each message used in the above-mentioned core functions, covering both incoming and outgoing directions; such superset would be used for both euro and non-euro transactions⁶ (e.g. for SEK to DKK transactions);
- The implementation of a check at application level (instead of at XSD level) for the Euro currency, in line with the OLO Usage rule.

The process flow entailed by the new functionality shall be available on an optional basis to the standard settlement model. This entails that PSPs would have to explicitly express their readiness to accept such transactions.

Submitted annexes / related documents:

Proposed wording for the Change request:

TIPS UDFS R2024.JUN

1) § 1.1 Introduction to the TIPS Service

TARGET Instant Payment Settlement (TIPS) is a harmonised and standardised pan-European service with common functionality across different countries and jurisdictions for settling payments instantly in Central Bank Money, with high capacity and around-the-clock availability.

The primary aim of TIPS is to offer instant settlement services in euro to its participants, extending the services offered by TARGET2. TIPS is, in any case, designed to be currency-agnostic in order to provide settlement in non-euro Central Bank Money, if requested, by connecting to any RTGS System.

In addition, TIPS offers on optional basis an instant settlement service for cross-currency transactions involving both euro and non-euro currencies.

⁵ Please note that the implementation of TIPS-0064-URD in TIPS would set the technical building blocks for potential future enhancement(s) of the TIPS cross-currency settlement model in a phased approach.

⁶ This requirement would entail that the super-set of XSDs, defined in the context of the proposed first version of a settlement model for cross-currency transactions for TIPS, should also take into consideration some mandatory specificities that are coming from the Nordic Payment Council flavour of the messages (already supported in TIPS within the RIX-Inst component).

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The TIPS service provides:

- Real-time gross settlement in Central Bank Money for ~~both domestic, and cross-border~~ and cross-currency Instant Payment transactions received from TIPS Actors;
- Liquidity management functionalities to support the Instant Payment process;
- Queries and reporting tools to support monitoring and reconciliation.

In order to reach these objectives, TIPS enables communication and provides authentication services and secure messaging to and from the centralised settlement component. The participants (i.e. Payment Service Providers⁷ or PSPs) have a settlement interface to send Instant Payment transactions and receive payment confirmations or any other payment related messages based – when possible – on ISO 20022 standards and, in case of euro transactions, in accordance with the SEPA Instant Credit Transfer (SCT^{Inst}) scheme. For cross-currency transactions, a cross-currency settlement service based on the One-Leg Out Instant Credit Transfer (OCT^{Inst}) scheme has been designed and implemented in TIPS. The participants are also provided with the functionalities to either recall settled Instant Payments transactions or initiate investigations on Instant Payments (including cross-currency payments) submitted to TIPS whose status confirmation has not been received yet. Additionally, TIPS Participants or Instructing Parties can initiate Outbound Liquidity Transfers.

2) § 1.3.2 Accounts structure and organisation

[...]

Figure 4 – Account structure and organisation

The figure will include Cross-currency: Boolean as attribute in the Authorised Account User entity.

3) § 1.3.2.1 TIPS Accounts

TIPS Accounts are accounts that Participants use for the settlement of Instant Payments and Liquidity Transfers. They cannot have a negative balance.

Each Participant may own one or many TIPS Accounts and they may use them for their settlement activities or to give the possibility to settle to Reachable Parties or other Participants as well as authorising several BICs to use the account for settlement. For the purpose of cross-currency settlement, each Participant has to specify whether a given authorised BIC can accept cross-currency payments. The Participant that holds the TIPS Account, in any case, remains the owner and legal responsible for the TIPS Account itself.

Central Banks create TIPS Accounts for their Participants.

4) § 1.3.2.5 Reference data for accounts and CMBs in TIPS

Table 1 – Authorised Account User reference data

Attribute	Description
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⁷ The definition of Payment Service Provider used in this document is purely technical and aims at keeping the terminology consistent with the EPC scheme and the TIPS URD.

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User BIC	BIC authorised for settling on the account or CMB.
<u>Cross-currency</u>	<u>Boolean attribute specifying whether the BIC is authorised to accept cross-currency instant payments.</u>

5) § 1.4 Dynamic data model

Figure 5 – Dynamic data model

The figure will include Cross-currency: Boolean as attribute in the Authorised Account User entity.

6) § 1.4.1 Payment Transaction

This entity represents data related to TIPS Instant Payment transactions following the SCT^{Inst} scheme, non-Euro denominated transactions, ~~or~~ Single Instructing Party (SIP) or cross-currency settlement service processing.

Table 2 – Payment Transaction data

Attribute	Description
Reference	The Originator PSP's reference number of the SCT ^{Inst} Transaction message, non-Euro Transaction, or SIP Transaction message <u>or cross-currency Transaction message.</u>
Acceptance Timestamp	Timestamp of the SCT ^{Inst} Transaction, non-Euro Transaction, SIP Transaction message <u>or cross-currency Transaction.</u>
[...]	[...]
Status	<p>Status of the transaction for both SCT^{Inst}, and non-Euro settlement schemes <u>and cross-currency settlement service.</u></p> <p>Exhaustive list of possible values:</p> <ul style="list-style-type: none"> - Received - Validated - Reserved - Settled - Failed - Rejected - Expired <p>For the SIP settlement model the exhaustive list of possible status values is the following:</p> <ul style="list-style-type: none"> - Received - Validated - Settled - Failed <p>Expired</p>

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7) § 1.5.1 General concepts

[...]

The possible types of instructions processed by TIPS are listed below:

- Instant Payment transactions for the settlement of cash on a TIPS Account/TIPS AS Technical Account
- Beneficiary replies to confirm or reject an Instant Payment transaction on the beneficiary side
- Recall instructions to request a refund from the Beneficiary Participant for previously settled Instant Payment transactions
- Recall Responses from the Beneficiary Participant – for either the refund or the rejection - in response to a recall instruction
- Investigation and Request for Status Update on a Recall
- Liquidity transfers to instruct the transfer of liquidity between TIPS and an RTGS System
- Intra-service Liquidity transfers between a TIPS Account and a TIPS AS Technical Account
- Reference data maintenance instructions to modify TIPS local reference data.

Note that for the cross-currency settlement only Instant Payment transactions and Investigations are supported for the time being.

8) § 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 ~~three~~ two additional process flows for Instant Payment processing:

- Non-Euro settlement scheme;
- Single Instructing Party (SIP) settlement model;
- Cross-currency settlement service.

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

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Instruction Type	Description	Model/Flow
[...]	[...]	[...]
Beneficiary Reply	Forwarded from a Beneficiary Participant, Ancillary System 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 both (i) the Originator Participant, Ancillary System or Instructing Party acting on behalf of the Originator Participant or a Reachable Party and (ii) an additional confirmation is sent to the Beneficiary Participant, Ancillary System 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. In the event of a negative response, it is forwarded by TIPS back to the Originator Participant, Ancillary System or Instructing Party acting on behalf of the Originator Participant or a Reachable Party.	SCT ^{Inst} , non-Euro settlement scheme, <u>cross-currency settlement service</u>
[...]	[...]	[...]
Investigation	The investigation is sent by the Originator Participant, Ancillary System 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.	SCT ^{Inst} , non-Euro settlement scheme, SIP settlement model, <u>cross-currency settlement service</u>

9) **§ 1.5.2.1 Instant Payment transaction settlement process (with reservation of funds)**

The detailed flow of the process, with the relevant steps, is described (i) in section [2.2.1 – “Instant Payment \(SCT^{Inst} scheme\)”](#) and [Figure 19 – Instant Payment transaction flow](#) for Euro currency, and (ii) in section [2.2.2 – “Instant Payment \(non-Euro currencies scheme\)”](#) and [Figure 60 – Instant Payment transaction flow for non-Euro currencies](#) and (iii) in section [2.2.4 Instant payment \(cross-currency settlement service\)](#) and [Figure XX – Instant Payment transaction flow for cross-currency](#).

10) **§ 1.5.2.4 Investigation process**

As defined in both the SCT^{Inst} and OCT^{Inst} rulebooks, the investigation procedure is foreseen for exceptional situations whereby no confirmation message has reached the Originator PSP after the time-out deadline.

In line with both the SCT^{Inst} and OCT^{Inst} scheme rulebooks, TIPS supports a transaction status investigation process, which can be initiated only by Participants or Instructing Parties acting on behalf of Participants or Reachable Parties on the originator side using the transaction status inquiry message. This allows TIPS Actors to retrieve the last generated payment transaction status advice for either a

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single or a set of transactions contained in the status request. If no payment transaction status advice is present, an error is returned for each transaction under investigation.

TIPS retains information for responding to investigations for a configurable timeframe, initially set to exactly 5 calendar days (see [Table 75](#)). Furthermore, according to both the SCT^{Inst} and OCT^{Inst} scheme rulebooks, the investigation functionality will be available only after the certainty of completion of the settlement phase of a transaction, which translates into [SCT^{Inst} Timestamp Timeout](#) expiration + [Investigation Offset](#) for both SCT^{Inst} and cross-currency transactions.

The investigation functionality will be described in the section [2.4 “Investigation”](#).

11) [§ 1.7.1 Service configuration](#)

TIPS relies on system parameters configured and maintained by the TIPS Operator. The parameters are configured in the CRDM and propagated to TIPS once a day.

The following table includes the exhaustive list of system parameters and their default values.

Note that the system parameters defined for SCT^{Inst} transactions are also valid for cross-currency payments.

Table 4 – System Parameters

Parameter name	Description	Default value
[...]	[...]	[...]
Maximum Amount	Maximum amount – defined for each settlement currency – which can be transferred by <u>both a single Instant Payment and a cross-currency transaction</u> . The parameter must allow an “unlimited” value.	<i>Unlimited (for Euro)</i> <i>Unlimited (for SEK)</i> <i>7,500,000.00 (for DKK)</i>

12) [§ 2.2.4 Instant Payment \(cross-currency settlement service\)](#)

This section focuses on the settlement of the euro leg of a cross-currency Instant Payment transactions based on the OCT^{Inst} scheme. Furthermore, the settlement service has been extended in order to allow cross-currency settlement of non-euro transactions (e.g. for SEK to DKK transactions). Since the entire end-to-end cross-currency Instant Payment transaction flow is composed of two separate and independent Instant Payments which take place respectively in the currencies of the origin and destination leg, each scenario and the related steps performed in one Leg are analogous to those envisioned in the other leg, at least, for the currencies supported in TIPS.

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 comprise examples of both the successful and most meaningful failure scenarios. Each example shows the relevant messages and how the key fields are filled.

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The cross-currency Instant Payment transaction process covers the scenarios in which an Originator Participant, Ancillary System or Instructing Party acting on behalf of the Originator Participant or a Reachable Party instructs TIPS in order to instantly transfer funds to the account of a Beneficiary Participant.

The involved actors are:

- The Originator Participant, Ancillary System or Instructing Party acting on behalf of the Originator Participant or a Reachable Party, starting the cross-currency payment in the Origin Leg.
- The Beneficiary Participant, Ancillary System or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party, receiving the request and either confirming or rejecting the cross-currency payment in the destination leg.

According to the direction of a payment (incoming or outgoing), the cross-currency PSP acting as intermediary in the settlement from one Leg to the other may be denoted differently. In case of:

- Outgoing transaction: the Leg Exit PSP acts as Beneficiary in the Origin leg and it is identified by either the 'Instructed Agent' BIC in case it is a direct CSM participant, or the 'Intermediary Agent 1' BIC.
- Incoming transaction: the Leg Entry PSP acts as Originator in the destination leg and it is identified by either the 'Instructing Agent' BIC in case it is a direct CSM participant or the last 'Previous Instructing Agent' BIC, that is the agent immediately prior to the Instructing Agent in the chain.

The involved messages are:

- The [FIToFICustomerCreditTransfer](#) message sent by the Originator Participant, Ancillary System or Instructing Party acting on behalf of the Participant/Reachable Party in order to (i) instruct the payment, (ii) to reserve the corresponding amount and (iii) to inform the Beneficiary Participant, Ancillary System or Instructing Party acting on behalf of the Participant/Reachable Party about the transaction received;
- The [FIToFIPaymentStatusReport](#) message sent (i) by the Beneficiary Participant, Ancillary System or Instructing Party acting on behalf of the Participant/Reachable Party to TIPS to either accept or reject the cross-currency Instant Payment, or (ii) by TIPS to inform the actors about the result of the settlement (i.e. settled, rejected, timed out);
- The [ReturnAccount](#) message that is sent, on optional basis, by TIPS to the Creditor Account Owner and/or the Debtor Account Owner. The message is sent if (i) the owner of the account (or CMB) activates the floor and ceiling notifications and (ii) the configured threshold is breached.

All the described scenarios are triggered under the assumption that technical validations, 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 steps for cross-currency](#)

Figure XXX – Instant Payment transaction flow for cross-currency

The new figure will include the Instant Payment transaction flow for cross-currency

Table XX – Instant Payment transaction steps for cross-currency

Step	Involved messages	Involved actors	Description
1	FItoFICustomerCreditTransfer	Originator Participant, Ancillary System or Instructing Party as Sender TIPS as receiver	TIPS receives a cross-currency Instant Payment transaction from the Originator Participant or Instructing Party acting on behalf of the Originator Participant, Ancillary System or a Reachable Party starting the conditional settlement phase of the transaction. Technical validations, check of mandatory fields and authentication have already been successfully executed. The timeout for the Instant Payment transaction has not expired. TIPS logs the instruction as “Received”.
2		TIPS	TIPS successfully executes the checks: <ul style="list-style-type: none"> - Access Rights check; - Timeout Check - Originator Side; - Maximum Amount not Exceeded; - Originator Account or CMB existence; - Instructing Party authorised; - Beneficiary correctly configured; - Beneficiary Account or CMB existence. - Creditor authorised for Cross-currency <p>See 4.1- Business Rules for details.</p>
2e	FIToFIPaymentStatusReport	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	TIPS unsuccessfully executes one of the checks listed in step 2 . At the first negative check the system stops and sends a message to the Originator Participant, Ancillary System 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. If the failure relates to “Timeout Check - Originator Side”, the status of the transaction is set to “Expired”; in all the other cases, the status is set to “Failed”.
3		TIPS	TIPS infers differently the account to be debited from the configured accounts information of the actors involved in the transaction, which depends on the direction of the cross-currency Instant Payment transaction (i.e. incoming

Step	Involved messages	Involved actors	Description
			<p>or outgoing) through the consultation of the 'Clearing System Code' field.⁴⁰</p> <p>Outgoing direction: TIPS verifies that an account:</p> <ul style="list-style-type: none"> (i) with either type "TIPS Account" or "TIPS AS Technical Account" exists, (ii) is linked to the Originator Participant (field "Debtor Agent") as authorised user, (iii) and is denominated in the same currency as the one defined in the Interbank Settlement Amount. <p>- If the look up does not return any account, TIPS looks for a CMB linked to the Originator Participant (field "Debtor Agent") as authorised user;</p> <p>Incoming Direction: TIPS verifies that an account:</p> <ul style="list-style-type: none"> (i) with either type "TIPS Account" or "TIPS AS Technical Account" exists, (ii) is linked to the Leg Entry PSP Participant as authorised user: <ul style="list-style-type: none"> a. if the Leg Entry PSP is a direct TIPS participant, then the BIC taken from the "Instructing Agent" field is used; b. otherwise the BIC is taken from the last "Previous Instructing Agent" field. (iii) and is denominated in the same currency as the one defined in the Interbank Settlement Amount.⁴¹ <p>- If the look up does not return any account, TIPS looks for a CMB linked to the Leg Entry PSP Participant (the field taken into account is based on the abovementioned assumption ii) as authorised user;</p> <p>- For both directions, TIPS selects the account linked to the CMB; the account related to the CMB must be denominated in the same currency as the one defined in the Interbank Settlement Amount. From now on, the selected account is referred to as "Originator Account" and the possible CMB as "Debiting CMB".</p>

⁴⁰ In case of an outgoing payment transaction, the Clearing System Code field must be set to 'TGT' while in case of an incoming transaction, it may assume any value other than the one aforementioned.

⁴¹ The 'Interbank Settlement Amount' field refers to the amount exchanged in the currency of the current Leg and the 'Instructed Amount' field refers to the amount exchanged in the currency of the other Leg. For this reason, the Leg Entry PSP while instructing the inbound cross-currency instant payment in the destination Leg, in case the payment transaction in the Origin Leg has been managed in TIPS, has to (i) generate a new Transaction Identification for the destination-Leg transaction, (ii) blank the value of the 'Clearing System Code' field to instruct an incoming payment transaction, (iii) swap the values of the two aforementioned amount fields as well as their respective currency attributes.

Step	Involved messages	Involved actors	Description
4		TIPS	<p>TIPS infers differently the account to be credited from the <u>configured accounts information of the actors involved in the transaction, which depends on the direction of the cross-currency Instant Payment transaction (i.e. incoming or outgoing) through the consultation of the 'Clearing System Code' field.</u><small>Error! Bookmark not defined.</small></p> <p>Outgoing direction: <u>In details TIPS verifies that:</u></p> <ul style="list-style-type: none"> (i) <u>an account, with either type "TIPS Account" or "TIPS AS Technical Account" exists,</u> (ii) <u>it is linked to the Leg Exit PSP as authorised user;</u> <ul style="list-style-type: none"> a. <u>if the Leg Exit PSP is a direct TIPS participant, the BIC taken from the "Instructed Agent" field is used;</u> b. <u>otherwise the BIC is taken from the "Intermediary Agent 1" field.</u> (iii) <u>and is denominated in the same currency as the one defined in the Interbank Settlement Amount.</u> <p><u>- If the look up does not return any account, TIPS looks for a CMB linked to the Leg Exit PSP as authorised user;</u></p> <p>Incoming Direction: <u>In details TIPS verifies that an account:</u></p> <ul style="list-style-type: none"> (i) <u>with either type "TIPS Account" or "TIPS AS Technical Account" exists,</u> (ii) <u>is linked to the BIC taken from the "Creditor Agent" field as authorised user;</u> (iii) <u>and is denominated in the same currency as the one defined in the Interbank Settlement Amount.</u><small>Error! Bookmark not defined.</small> <p><u>- If the look up does not return any account, TIPS looks for a CMB linked to the Beneficiary Participant (field "Creditor Agent") as authorised user;</u></p> <p><u>- For both directions, TIPS selects the account linked to the CMB; the account related to the CMB must be denominated in the same currency as the one defined in the Interbank Settlement Amount.</u></p> <p><u>In addition, TIPS checks whether the Beneficiary Participant linked to the selected Account or CMB is authorised to accept cross-currency payments.</u> <u>From now on, the selected account is referred to as "Beneficiary Account" and the possible CMB as "Crediting CMB".</u></p>
5		TIPS	<p><u>TIPS successfully executes the check:</u> <u>- Duplicate check;</u></p> <p><u>See 4.1 - Business Rules for details.</u></p>
5e	FIToFIPaymentStatusReport	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	<p><u>TIPS unsuccessfully executes the check listed in step 5.</u></p> <p><u>The processing stops and TIPS sends a message to the Originator Participant, Ancillary System 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>

Step	Involved messages	Involved actors	Description
			<p>The transaction is set to "<i>Failed</i>" status.</p> <p>See 4.1 - Business Rules for details.</p>
6		TIPS	TIPS sends it to the Check and Execute Instruction process. TIPS sets the transaction status to " <i>Validated</i> ".
7		TIPS	<p>TIPS successfully executes the checks:</p> <ul style="list-style-type: none"> - Originator Account/CMB not blocked; - Beneficiary Account/CMB not blocked; - Available amount not exceeded; <p>See 4.1 - Business Rules for details.</p>
7e	FIToFIPaymentStatusReport	<p>TIPS as sender</p> <p>Originator Participant, Ancillary System or Instructing Party as receiver</p>	<p>TIPS unsuccessfully executes the checks listed in step 7. At the first negative check the system stops and sends a message to the Originator Participant, Ancillary System 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. The transaction is set to "<i>Failed</i>" status.</p> <p>See 4.1 - Business Rules for details.</p>
8		TIPS	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".
9		TIPS	<p>TIPS reserves the full amount in the Originator account and sets the transaction status to "<i>Reserved</i>". If a Debiting CMB is involved, the system also decreases its headroom by the same amount.</p> <p>The conditional settlement phase is completed the settlement attempt is agreed and can either be confirmed or rejected by the counterpart or fail for a missing answer.</p> <p>The reserved amount is not available for any concurrent payments.</p>
10		TIPS	The DN of the Beneficiary Participant is identified in the "Outbound DN-BIC Routing" mapping table. The field to look up is based on the criteria specified for both payment directions and described in step 4. From now on, this DN is referred to as "Beneficiary DN".
11	FIToFICustomerCreditTransfer	<p>TIPS as sender</p> <p>Beneficiary Participant, Ancillary System or Instructing Party as receiver</p>	TIPS forwards the received cross-currency Instant Payment transaction to the Beneficiary DN.
12p	FIToFIPaymentStatusReport	<p>Beneficiary Participant, Ancillary System or Instructing Party as sender</p> <p>TIPS as receiver</p>	<p>The Beneficiary Participant, Ancillary System or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party triggers the settlement phase of the transaction by sending a positive payment status report that is successfully delivered to TIPS.</p> <p>Technical validation, check of mandatory fields and authentication checks have already been successfully executed.</p>

Step	Involved messages	Involved actors	Description
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	FIToFIPaymentStatusReport	<p>TIPS as sender</p> <p>Beneficiary Participant, Ancillary System or Instructing Party as receiver</p>	<p>TIPS unsuccessfully executes the checks listed in step 13p.</p> <p>At the first negative check the processing stops and TIPS sends a message to the Beneficiary Participant, Ancillary System 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 corresponding reserved amount is released in the involved Originator Account. If a debiting CMB is involved, its headroom is increased by the same amount.</p> <p>It is worth noting that TIPS releases the reserved transactions even if either the involved account or CMB have been blocked after the conditional settlement phase of the given transaction.</p> <p>The transaction is set to "Failed" status.</p>
15e	FIToFIPaymentStatusReport	<p>TIPS as sender</p> <p>Originator Participant, Ancillary System or Instructing Party as receiver</p>	<p>TIPS sends a message to the Originator Participant, Ancillary System 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.</p>
14p		TIPS	<p>TIPS identifies the transaction using the Transaction ID.</p> <p>The transaction shall exist in TIPS and it shall be still in "Reserved" status.</p>
15p		TIPS	<p>TIPS retrieves and settles the reserved transaction. The transaction is set to "Settled" status.</p> <p>The reserved amount of the Originator Account is decreased by the amount of the corresponding settled transaction.</p> <p>The same amount is credited to the Beneficiary Account. If a Crediting CMB is involved, TIPS increases its headroom by the same amount.</p> <p>Upon Beneficiary confirmation, TIPS settles the reserved transactions even though the involved accounts (or CMBs) have been blocked immediately after the conditional phase of the given transaction.</p>
16p	FIToFIPaymentStatusReport	<p>TIPS as sender</p> <p>Originator Participant, Ancillary System or</p>	<p>TIPS forwards the received Payment status report to the Originator DN.</p>

Step	Involved messages	Involved actors	Description
		<u>Instructing Party as receiver</u>	
17p	FIToFIPaymentStatusReport	<u>TIPS as sender</u> <u>Beneficiary Participant, Ancillary System or Instructing Party as receiver</u>	<u>TIPS generates a positive Payment status report and sends it to the Beneficiary DN.</u> <u>The FIToFIPaymentStatusReport 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>
12n	FIToFIPaymentStatusReport	<u>Beneficiary Participant, Ancillary System or Instructing Party as sender</u> <u>TIPS as receiver</u>	<u>The Beneficiary Participant, Ancillary System 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> <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> <u>Technical validation, check of mandatory fields and authentication checks have already been successfully executed.</u>
13n	-	<u>TIPS</u>	<u>TIPS successfully executes the checks:</u> <u>- Access Rights check;</u> <u>- Instructing Party authorised – creditor side;</u> <u>- Pending transaction existing.</u> <u>See 4.1- Business Rules for details.</u>
13e	-	<u>TIPS as sender</u> <u>Beneficiary Participant, Ancillary System or Instructing Party as receiver</u>	<u>TIPS unsuccessfully executes the checks at step 13n.</u> <u>At the first negative check the processing stops and sends a message to the Beneficiary Participant, Ancillary System 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>

Step	Involved messages	Involved actors	Description
			See 4.1- Business Rules for details.
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 by the same amount.</p> <p>TIPS always releases the reserved transactions even if the involved account or CMB have been blocked immediately after the conditional phase of the given transaction.</p> <p>The transaction is set to "Failed" status.</p>
15e	FIToFIPaymentStatusReport	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	TIPS sends a message to the Originator Participant, Ancillary System 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.
14n	-	TIPS	TIPS identifies the transaction using the Transaction ID. The Transaction ID is related to a transaction existing in TIPS and still in "Reserved" status.
15n	-	TIPS	<p>TIPS retrieves the cross-currency Instant Payment transaction to be rejected.</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 releases the reserved transaction even if the involved account or CMB have been blocked after the conditional settlement phase.</p> <p>The transaction is set to "Rejected" status.</p>
16n	FIToFIPaymentStatusReport	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	TIPS forwards the received Payment status report to the Originator DN.

13) § 2.2.3.2. Timeout scenario: missing/delayed Beneficiary-side answer (cross-currency settlement servicecross-currency settlement service)

This sub-section describes the specific scenario of TIPS not receiving a Beneficiary-side answer or receiving it after the timeout condition is hit.

This scenario assumes that TIPS has successfully executed the conditional settlement phase of cross-currency Instant Payment.

A specific software component (Sweeping service) is always acting in background taking care of all the orphan payments – an orphan payment being a reserved Instant Payment transaction still waiting for a confirmation/rejection. Every X seconds (X being the “Sweeping Timeout” parameter configured in the

system, see 1.7.1 “Service configuration”) a process looks for any pending Instant Payment transactions and rejects only those that have exceeded the Timestamp Timeout plus the Beneficiary side offset.

The time-out can also be triggered by an Investigation message from Originator Side that reaches TIPS requesting information for an existing Instant Payment transaction whose status is Reserved for which no Beneficiary-side answer is arrived yet and that has not been treated by the Sweeping Service (see 2.4 “Investigation”). In this case, TIPS does not answer to the Investigation directly, but sets to Expired the Instant Payment transaction, informing both Originator and Beneficiary participants about the occurred time-out condition.

Any confirmation from the Beneficiary Participant relating to an orphan payment already treated by the Sweeping service generates an error since the corresponding reserved transaction is no longer found.

The diagram below describes the specific process and the involved actors for the outgoing cross-currency scenario. The same logic applies to the incoming scenario where the Originator Participant is replaced by the Leg Entry PSP and the Leg Exit PSP is replaced by the Beneficiary Participant. The details of the steps are described in the following Table xx – Instant Payment transaction missing/delayed Beneficiary-side answer steps.

Figure XX – Instant Payment transaction missing/delayed Beneficiary-side answer flow

The new figure will include the cross-currency scenario

Table XX – Instant Payment transaction missing/delayed Beneficiary-side answer steps

Step	Involved messages	Involved actors	Description
1	-	TIPS	Every X seconds, with "X" being defined in the "Sweeping timeout" parameter, the Sweeping service scans all the payment in status "Reserved". If the "Acceptance timestamp" of the payment has exceeded the "Timestamp Timeout" value, the payment is eligible for sweeping.
1	FIToFIPaymentStatusRequest	Originator Participant, Ancillary System or Instructing Party as Sender TIPS as receiver	TIPS receives an incoming Investigation request from the Originator Participant, Ancillary System or Instructing Party. There is no existing generated payment transaction status advice for the transaction and no answer from Leg Exit PSP side has reached TIPS.
2	-	TIPS	TIPS executes these operations for each orphan payment: - TIPS retrieves the transaction to be rejected and its ID executing the check "Timeout Check - Missing answer" (see 4.1- Business Rules for details); - The transaction is set to "Expired" status; - The reserved amount is released in the involved Originator account. If a Debiting CMB is involved, its headroom is increased by the same amount TIPS releases the reserved transactions even if either the involved account or CMB have been blocked in the meantime.

Step	Involved messages	Involved actors	Description
3	FIToFIPaymentStatusReport	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	TIPS sends a message to the Originator Participant, Ancillary System or Instructing Party – same DN of the Sender taken from the transaction under analysis. The FIToFIPaymentStatusReport contains the Transaction ID of the transaction and the proper error code.
3a	FIToFIPaymentStatusReport	TIPS as sender Beneficiary Participant, Ancillary System or Instructing Party as receiver	TIPS sends a message on the transaction under analysis to the Leg Exit PSP specified in: - the Instructed Agent BIC, if it is a direct TIPS participant. - the 'Intermediary Agent 1' BIC, otherwise. The FIToFIPaymentStatusReport contains the Transaction ID of the transaction and the proper error code.
4	-	TIPS	TIPS unsuccessfully executes the check: - Pending transaction existing . See 4.1- Business Rules for details.
5	FIToFIPaymentStatusReport	TIPS as sender Beneficiary Participant, Ancillary System or Instructing Party as receiver	TIPS sends a FIToFIPaymentStatusReport message to the Leg Exit PSP containing the proper error code.

14) § 2.2.3.3. Examples (cross-currency settlement service cross-currency settlement service)

This sub-section includes a non-exhaustive list of examples of TIPS cross-currency transactions and related messages.

Each example is introduced by a description of both involved actors and messages.

All the examples are based on the data constellation introduced below. The data constellation is depicted on the basis of the concepts introduced in 1.3.2 “Accounts structure and organisation”.

It is worth noting that the first example describes a whole cross-currency transaction including the steps of both the Incoming and Outgoing Legs while the error scenarios refer to one Leg of the whole cross-currency transaction flow. According to the direction of the payment (incoming or outgoing), the parameters included in each message may differ.

In the following examples, Leg Exit/Entry PSPs are direct TIPS participants. Thus:

- In the outgoing scenario, the Leg Exit PSP acts as Beneficiary in the Origin Leg and unlike Instant Payments in euro and non-euro currencies described in the previous sections, the Instructed Agent BIC is taken into consideration in order to credit the correct account instead of the Beneficiary BIC which identifies the final beneficiary in the other leg according to the cross-currency settlement service cross-currency settlement service .
- In the incoming scenario, the Leg Entry PSP acts as Originator in the destination leg and the Instructing Agent BIC is taken into consideration in order to debit the correct account instead of the Originator BIC which identifies the actual debtor in the Origin leg according to the cross-currency settlement service cross-currency settlement service .

Figure XX – Instant Payment transaction examples data constellation for cross-currency

The figure will include the data constellation for cross-currency

15) § 2.2.3.3.1 Successful cross-currency scenario with confirmed order – only accounts involved

This positive scenario describes a successful cross-currency payment transaction originating in the Euro Leg (Outgoing Euro Leg Scenario) and ending in the Swedish Krona Leg (Incoming Swedish Krona Leg scenario) involving the following actors:

- Originator Participant: payment initiator of the whole cross-currency transaction and owner of a TIPS Account in the Euro Leg. It is identified by the message field 'Debtor Agent'.
- Beneficiary Participant: final beneficiary of the whole cross-currency transaction and owner of a TIPS Account in the Swedish Krona Leg. It is identified by the message field 'Creditor Agent'.
- Euro Leg Exit PSP: intermediary that receives the amount in the Euro Leg from the Originator Participant and advising the intermediary counterpart in the Swedish Krona Leg (i.e. that Swedish Krona Leg Entry PSP) to instruct the corresponding Swedish Krona Instant Payment to credit the Beneficiary Participant. It is owner of a TIPS Account in the Euro leg and it is identified by the message field 'Instructed Agent', under the assumption it is a direct TIPS participant.
- Swedish Krona Leg Entry PSP: intermediary that instructs the corresponding Swedish Krona Instant Payment (based on the 'Exchange Rate' and assuming no additional fees) in the Swedish Krona leg in order to credit the Beneficiary Participant. It is owner of a TIPS Account in Swedish Krona and it is identified by the message field 'Instructing Agent', under the assumption it is a direct TIPS participant.

"Configuration 1" and "Configuration 2" (highlighted in white and yellow in the [Figure 21 – Instant Payment transaction examples data constellation for cross-currency](#)) are considered.

No errors or timeouts occur. No floor or ceiling notification expected. The current business date, in the given example, is 30/12/2024.

OUTGOING EURO LEG SCENARIO

The [FltoFICustomerCreditTransfer](#) message sent by the Originator Participant and received by TIPS, triggering the scenario, looks like the following one.

Figure XX – Successful Instant Payment transaction: FltoFICustomerCreditTransfer

The figure will include additional fields based on the cross-currency settlement service cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The system, after performing the expected checks successfully, settles the transaction as follows:

- It identifies the cross-currency transaction as outgoing from the Clearing System Code.

- It identifies the Originator Account (ACCOUNT1) from the Debtor Agent BIC;
- It identifies the Beneficiary Account (ACCOUNT2) of the Euro transaction leg from the Instructed Agent BIC;
- It identifies the Instructed Agent DN from the “Outbound DN-BIC Routing” _____
_____ (<ou=dept abc, o=prtybcmxxx, o=a2anet>);
- It reserves the amount in ACCOUNT1, so the available balance for ACCOUNT1 decreases from 1,000.00 EUR to 900.00 EUR;
- The transaction is stored with status *Reserved*.

The [FltoFICustomerCreditTransfer](#) message is delivered to the Instructed Agent DN completing the Conditional Settlement phase.

Figure XXX – Successful Instant Payment transaction: reservation of funds

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The confirmation message from the Instructed Agent triggers the settlement phase. In this scenario, the Euro Leg Exit PSP confirms the payment by sending a [FIToFIPaymentStatusReport](#) message with a positive answer. TIPS settles the transaction, moving the amount from ACCOUNT1 to ACCOUNT2.

Figure XXX – Successful Instant Payment transaction: FIToFIPaymentStatusReport

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The system, after performing the expected checks successfully, finds the reserved transaction and executes the settlement on the accounts as follows:

- It identifies the transaction based on the Transaction Identification field. The underlying transaction shall be in status *Reserved*.
- it identifies the Originator Account (ACCOUNT1) and the Instructed Agent Account (ACCOUNT2) from the retrieved transaction;
- It identifies the Originator DN from the transaction;
- It settles the amount transferring the reserved liquidity in the ACCOUNT1 to the ACCOUNT2;
- The transaction status is changed to *Settled*.

TIPS then forwards the [FIToFIPaymentStatusReport](#) message to the Originator DN and sends a confirmation message for successful settlement to the Instructed Agent.

Figure 1 – Successful Instant Payment transaction: settlement phase

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

INCOMING SWEDISH KRONA LEG SCENARIO

Upon the successful settlement on the Euro leg side, the Euro Leg Exit PSP notifies the Swedish Krona Leg Entry PSP accordingly. The Swedish Krona Leg Entry PSP is provided with all the required information contained in the original FltoFICustomerCreditTransfer message in order to instruct the corresponding instant payment transaction in SEK and credit the Beneficiary Participant. In this example, for the sake of clarity, the Euro Leg Exit PSP and Swedish Krona Leg Entry PSP belong to the same Cross-currency PSP. Therefore, taking into account the original Euro Instant Payment instruction, the Swedish Krona Leg Entry PSP sends the FltoFICustomerCreditTransfer message to TIPS as follows:

- It specifies a new Transaction Identification for the destination leg transaction.⁴²
- It specifies the cross-currency transaction as incoming by blanking the value of the Clearing System Code message field.
- It swaps the values of the 'Interbank Settlement Amount' and 'Instructed Amount' as well as their respective currency attributes (from EUR to SEK and viceversa).

Figure XX – Successful Instant Payment transaction: FltoFICustomerCreditTransfer

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The system, after performing the expected checks successfully, settles the transaction as follows:

- It identifies the cross-currency transaction as incoming from the Clearing System Code;
- It identifies the Originator Account (ACCOUNT3) from the Instructing Agent BIC;
- It identifies the Beneficiary Account (ACCOUNT4) of the SEK transaction leg from the Creditor Agent BIC;
- It identifies the Beneficiary DN from the "Outbound DN-BIC Routing"

(<ou=dept_abc, o=prtybcmxxx, o=a2anet>);
- It reserves the amount in ACCOUNT3, so the available balance for ACCOUNT3 decreases from 5,000.00 SEK to 4,000.00 SEK;
- The transaction is stored with status *Reserved*.

The FltoFICustomerCreditTransfer message is delivered to the Beneficiary DN completing the Conditional Settlement phase.

⁴² The reference to the whole cross-currency transaction is reported in the End To End Identification message field.

Figure XX – Successful Instant Payment transaction: reservation of funds

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The confirmation message from the Beneficiary Participant triggers the settlement phase. In this scenario, the Beneficiary PSP confirms the payment by sending a [FIToFIPaymentStatusReport](#) message with a positive answer. TIPS settles the transaction, moving the amount from ACCOUNT3 to ACCOUNT4.

Figure XXX – Successful Instant Payment transaction: FIToFIPaymentStatusReport

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The system, after performing the expected checks successfully, finds the reserved transaction and executes the settlement on the accounts as follows:

- It identifies the transaction based on the Transaction Identification field. The underlying transaction shall be in status *Reserved*.
- it identifies the Instructing Agent Account (ACCOUNT3) and the Beneficiary Participant Account (ACCOUNT4) from the retrieved transaction;
- It identifies the Instructing Agent DN from the transaction;
- It settles the amount transferring the reserved liquidity in the ACCOUNT3 to the ACCOUNT4;
- The transaction status is changed to *Settled*.

TIPS then forwards the [FIToFIPaymentStatusReport](#) message to the Instructing Agent DN and sends a confirmation message for successful settlement to the Beneficiary Participant.

Figure XXX – Successful Instant Payment transaction: settlement phase

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

16) § 2.2.3.3.3 Error scenarios

This section describes some possible error scenarios that can happen when dealing with cross-currency Instant Payments. This is a subset of possible error cases but the error mechanism is always the same.

Blocked Account in the Outgoing Euro-Leg scenario

This error scenario describes a payment transaction between two TIPS Accounts respectively owned by the Originator Participant of an outgoing cross-currency transaction and the cross-currency PSP

(acting as Euro Leg Exit PSP and beneficiary in the Euro leg) both sending the messages on their own (i.e., no Instructing Party is involved). “Configuration 1” and “Configuration 2” (highlighted in white and yellow in [Figure 21 – Instant Payment transaction examples data](#) constellation) are considered.

The transaction fails since the account to be debited is blocked and not available for settlement.

The [FltoFICustomerCreditTransfer](#) message received by TIPS and triggering the scenario is described in the following figure.

Figure XXX– Blocked account error: FltoFICustomerCreditTransfer

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The system executes these steps:

- It identifies the cross-currency transaction as outgoing from the Clearing System Code;
- It identifies the Debiting Account (ACCOUNT1) from the Debtor Agent BIC;
- It detects that ACCOUNT1 is blocked (e.g. status is either 'blocked for debit' or 'blocked for credit and debit');
- The transaction fails. The attempt is saved as failed Instant Payment transaction and the sender is informed of the error.

Figure XXX – Blocked account error: transaction failed

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

TIPS then sends a [FIToFIPaymentStatusReport](#) to the sender with the proper error code.

Figure XXX – Blocked account error: FltoFIPaymentStatusReport

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

Beneficiary side timeout in the Incoming Euro leg scenario

This error scenario describes a payment transaction between two TIPS Accounts respectively owned by the cross-currency PSP (acting as Euro Leg Entry PSP and Originator in the Euro leg) and the Beneficiary of the cross-currency transaction both sending the messages on their own (i.e. no Instructing Party is involved). “Configuration 1” and “Configuration 2” (highlighted in white and yellow in [Figure XX – Instant Payment transaction examples data](#) constellation) are considered.

The transaction fails since the confirmation message from the Beneficiary Participant reaches TIPS after the allocated timeout period.

The [FltoFICustomerCreditTransfer](#) message received by TIPS for this scenario is shown in the following diagram.

Figure XXX – Beneficiary side timeout error: FltoFICustomerCreditTransfer

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The system, after performing the expected checks successfully, sets up the settlement on the accounts as follows:

- It identifies the cross-currency transaction as incoming from the Clearing System Code;
- It identifies the Originator Account from the Instructing Agent BIC (ACCOUNT1);
- It identifies the Beneficiary Participant Account (ACCOUNT2) from the Creditor Agent BIC;
- It identifies the Beneficiary DN from the “Outbound DN-BIC Routing _____ (<ou=dept_abc, o=prtybcm123, o=a2anet>);
- It reserves the amount in ACCOUNT1, so the available balance for ACCOUNT1 decreases from 774.00 EUR to 744.00 EUR;
- The transaction is stored with status *Reserved*.

The [FltoFICustomerCreditTransfer](#) message is delivered to the Beneficiary DN completing the Conditional Settlement phase.

Figure XXX – Beneficiary side timeout error: reservation of funds

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The confirmation message from the Beneficiary Participant arrives in TIPS when the timeout period is elapsed.

Figure XXX – Beneficiary side timeout error: FltoFIPaymentStatusReport

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

The timeout check on Beneficiary Participant side fails. TIPS finds the reserved transaction and releases the funds on the accounts as follows:

- It identifies the transaction based on the Transaction Identification fields. The underlying transaction must be in status *Reserved*;
- It identifies the Instructing Agent Account (ACCOUNT1) from the retrieved transaction;

- It releases the amount on the ACCOUNT1;
- The transaction status is changed to *Expired*;
- It identifies the Instructing Agent DN from the transaction.

Figure XXX – Beneficiary side timeout error: release of funds

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

TIPS informs both counterparties of the transaction about the expiration. TIPS sends the message to:

- The DN of the sender of the Instant Payment transaction;
- The Beneficiary DN as configured in the “Outbound DN-BIC Routing _____ (<ou=dept_abc, o=prtybcm123, o=a2anet>);
- The messages, respectively for the Euro Leg Entry PSP (reason code equal to AB05) and the Beneficiary PSP (reason code equal to TM01), are generated and sent as shown in the following diagram.

Figure XXX – Beneficiary side timeout error: FltoFIStatusReport

The figure will include additional fields based on the cross-currency settlement service (e.g. End to End Identification, Exchange Rate, etc.)

17) § 2.4 Investigation

This section focuses on the processing of an Investigation Request, with the description of the full scenario and its steps. The same processing also applies in respect of Investigation Request for transactions denominated in a non-Euro currency⁸ as well as for cross-currency transactions.

[...]

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 + SCT^{Inst} Timestamp Timeout), as indicated in the SCT^{Inst} scheme rulebook. The same logic applies to Instant Payment transactions related to cross-currency payments (including those not involving a Euro leg) where TIPS responds to an investigation request when the time-out period for a cross-currency Instant Payment transaction is elapsed by more than 5 seconds.

[...]

If the Investigation message is correctly received, for each of the transaction referenced in the investigation request, if the transaction is existing and still *Reserved* (meaning that no Beneficiary side

confirmation/rejection has been received and no sweeping has been performed), then TIPS assumes that the Instant Payment is timed-out. In this case, TIPS does not answer to the Investigation directly, but set to *Expired* the Instant Payment transaction, informing both Originator and Beneficiary side accordingly (see [2.2.1.1 “Timeout scenario: missing/delayed Beneficiary-side answer”](#)⁵⁰).

[...]

For the non-Euro currency scheme the involved messages are:

- [FIToFIPaymentStatusRequest \(pacs.028.001.03\)](#) message in order to instruct Investigation;
- [FIToFIPaymentStatusReport \(pacs.002.001.10\)](#) message in order to receive last generated payment transaction status advice.

For the cross-currency settlement service the involved messages are:

- [FIToFIPaymentStatusRequest \(pacs.028.001.03\)](#) message in order to instruct Investigation;
- [FIToFIPaymentStatusReport \(pacs.002.001.03\)](#) message in order to receive last generated payment transaction status advice.

[...]

Table 5 – Investigation steps

Step	Involved messages	Involved actors	Description
1	FIToFIPaymentStatusRequest (Euro currency) or FIToFIPaymentStatusRequest (pacs.028.001.03) (non-Euro currency) or FIToFIPaymentStatusRequest (pacs.028.001.03) (cross-currency)	Originator Participant, Ancillary System or Instructing Party as Sender TIPS as receiver	TIPS receives an incoming Investigation request from the Originator Participant, Ancillary System or Instructing Party. Technical validation, check of mandatory fields and authentication checks have already been successfully executed.
2		TIPS	TIPS successfully executes the checks: - Access Rights check . See 4.1- Business Rules for details.
2e	FIToFIPaymentStatusReport (Euro currency) or FIToFIPaymentStatusReport (pacs.002.001.10) (non-Euro currency) or FIToFIPaymentStatusReport (pacs.002.001.03) (cross-currency)	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	TIPS unsuccessfully executes the checks of step 2 . At the first negative check the system stops and sends a message to the Originator Participant, Ancillary System or Instructing Party - same DN of the Sender – containing the error.

⁵⁰ For Instant Payment transaction denominated in a non-Euro currency and cross-currency transactions, please see [2.2.2.1](#) respectively “[Timeout scenario: missing/delayed Beneficiary-side answer \(non-Euro currencies scheme\)](#)” and [2.2.4.X](#) [Timeout scenario: missing/delayed Beneficiary-side answer \(cross-currency settlement service\)](#)).

Step	Involved messages	Involved actors	Description
3		TIPS	<p>For each transaction referenced in the Investigation request, TIPS successfully executes the check:</p> <ul style="list-style-type: none"> - Instructing Party authorised for queries; - Payment Transaction existence; - Payment Transaction existence in final status. <p>See 4.1- Business Rules for details.</p>
3e	FIToFIPaymentStatusReport (Euro currency) or FIToFIPaymentStatusReport (pacs.002.001.10) (non-Euro currency) or FIToFIPaymentStatusReport (pacs.002.001.03) (cross-currency)	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	TIPS unsuccessfully executes the check of step 3 . In the case of a negative check the system stops and sends a message to the Originator Participant, Ancillary System or Instructing Party – same DN of the Sender – containing the error.
4		TIPS	<p>TIPS successfully executes the check:</p> <ul style="list-style-type: none"> - Investigation allowed. <p>TIPS checks if the Investigation request has been received after the SCT^{Inst} Timestamp Timeout + Investigation Offset. The same logic applies to cross-currency payments.</p> <p>See 4.1- Business Rules for details.</p>
4e	FIToFIPaymentStatusReport (Euro currency) or FIToFIPaymentStatusReport (pacs.002.001.10) (non-Euro currency) or FIToFIPaymentStatusReport (pacs.002.001.03) (cross-currency)	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	TIPS unsuccessfully executes the check of step 4 for each transaction referenced in the Investigation request. In the case of a negative check the system stops the processing for the transaction and sends a message to the Originator Participant, Ancillary System or Instructing Party – same DN of the Sender – containing the error.
5		TIPS	<p>For each transaction referenced in the Investigation request, TIPS retrieves the last FIToFIPaymentStatusReport sent to the Participant initiating the investigation</p>
6	FIToFIPaymentStatusReport (Euro currency) or FIToFIPaymentStatusReport (pacs.002.001.10) (non-Euro currency) or FIToFIPaymentStatusReport (pacs.002.001.03) (cross-currency)	TIPS as sender Originator Participant, Ancillary System or Instructing Party as receiver	<p>For each transaction referenced in the Investigation request, the system sends the last FIToFIPaymentStatusReport to the Originator Participant, Ancillary System or Instructing Party – same DN of the query Sender.</p>

Change Request form

18) § 3.2.3 Supported Character Set

TIPS fully supports UTF-8 Character Set.

Following the SEPA Instant Credit Transfer specifications, the character set is restricted for references and identifiers to support the Latin characters which are commonly used in international communication.

The complete list is as follows:

a b c d e f g h i j k l m n o p q r s t u v w x y z

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

0 1 2 3 4 5 6 7 8 9

/ - ? : () . , ' + Space

For cross-currency transactions only, also special characters are allowed in:

- All party (agents and non agents) 'Name' and 'Address' elements.
- The 'Related Remittance Information' element.
- The 'Remittance Information' (structured & unstructured) element.
- The 'Email Address' where included as part of 'Proxy' elements.
- 'City of Birth' and 'Province of Birth' elements nested in Private Identification.

Cross-currency transactions special characters are: ! # \$ % & * = ^ _ ` { | } ~ " ; < > @ [\]

As additional rules, it is required that references, identifications and identifiers must not start or end with '/' or contain '//'.
/

19) § 3.3.1 List of messages

In the following table, messages are grouped by ISO 20022 business domain.

[...]

Table XX – List of messages for cross-currency settlement service

<u>ISO Message</u>	<u>Message Name</u>	<u>Scenario</u>
<u>Payments Clearing and Settlement</u>		
<u>pacs.002.001.10</u>	<u>FIToFIPaymentStatusReport</u>	<u>Settlement of cross-currency Transactions</u>
<u>pacs.008.001.08</u>	<u>FIToFICustomerCreditTransfer</u>	<u>Settlement of cross-currency Transactions</u>

Change Request form

ISO Message	Message Name	Scenario
<u>pac.028.001.03</u>	<u>FItoFIPaymentStatusRequest</u>	<u>Investigation on cross-currency Transactions</u>

20) FItoFICustomerCreditTransfer (pac.008.001.08) (new section)

The FItoFICustomerCreditTransfer message allows instructing TIPS for a cross-currency transaction of a positive amount of money from the participant account on debtor side to the participant account on creditor side.

References/links

The schema and the related documentation in XSD/EXCEL/PDF format as well as the message examples are provided within the MyStandards repository under the following link:

<https://www.swift.com/mystandards/TIPS/pac.008.001.08>

Table xxx – cross-currency pac.008.001.08

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>n/a</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>n/a</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>n/a</u>	<u>Number Of Transactions</u>	<u>Number of individual transactions contained in the message.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/NbOfTxs</u>	<u>Yes</u>	<u>The number of transactions is limited to one.</u>
<u>n/a</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>Yes</u>	<u>Only schema validation is performed. For PSPs compliant with the EPC OCT^{Inst} schema, only 'EUR' is allowed as currency.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
AT-T051	<u>Settlement Date</u>	The Settlement Date Euro Leg of the OCT ^{Inst} .	<u>FIToFICstmrCdtTrf/GrpHdr/intrBkSttlmDt</u>	Yes	<u>Only schema validation is performed.</u>
n/a	<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>	Yes	<u>Only schema validation is performed.</u>
n/a	<u>Settlement Method</u>	<u>Method used to settle the (batch of) payment instructions.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/SttlmInf/SttlmMtd</u>	Yes	<u>Possible values are checked within schema validation.</u>
n/a	<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>	No	<u>Only schema validation is performed.</u>
n/a	<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>	No	<u>It should be present for Outgoing cross-currency transactions.</u>
n/a	<u>Clearing System</u> <u>+Code</u>	<u>Infrastructure through which the payment instruction is processed, as published in an external clearing system identification code list.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/SttlmInf/ClrSys/Cd</u>	Yes	<u>The Clearing System Code is used in TIPS to understand the payment direction (Outgoing vs Incoming) via the indication of the Clearing System which should settle the Debtor leg of the cross-currency transaction.</u> <u>In case of Outgoing cross-currency transaction, the Code 'TGT' must be used.</u> <u>In case of Incoming cross-currency transaction, the Code 'TGT' cannot be used.</u>
n/a	<u>Clearing System</u> <u>+Proprietary</u>	<u>Clearing system identification in a proprietary</u>	<u>FIToFICstmrCdtTrf/GrpHdr/SttlmInf/ClrSys/Prtry</u>	Yes	<u>Only schema validation is performed.</u>
n/a	<u>Payment Type Information</u>	<u>Set of elements used to further specify the type of transaction.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/PmtTpInf</u>	Yes	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-T001</u>	<u>Scheme Identification Code</u>	<u>The identification code of the Scheme.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/PmtTpInf/SvcLvl/Cd</u>	<u>Yes</u>	<u>Only "EOLO" is allowed.</u>
<u>AT-T001</u>	<u>Local Instrument +Code</u>	<u>The identification code of the Scheme.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/PmtTpInf/LclInstrm/Cd</u>	<u>Yes</u>	<u>Only "INST" is allowed.</u>
<u>AT-T008</u>	<u>Category Purpose</u>	<u>The category purpose of the OCT^{Inst}.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/PmtTpInf/CtgyPurp</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Category Purpose +Code</u>	<u>Category purpose, as published in an external category purpose code list.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/PmtTpInf/CtgyPurp/Cd</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Category Purpose +Proprietary</u>	<u>Category purpose, in a proprietary form.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/PmtTpInf/CtgyPurp/Prty</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-X001</u>	Instructing Agent	<u>The Identification Code of the Leg Entry PSP.</u>	<u>FItoFICstmrCdtTrf/GrpHdr/instgAgt</u>	No	<p>For Incoming cross-currency transactions:</p> <ul style="list-style-type: none"> - this is the <u>Identification Code of the Entry PSP (AT-X001)</u>; - <u>AT-X001 must be provided here in case it is a direct CSM participant, if not AT-X001 is to be provided in the last Previous Instructing Agent BICFI (agent immediately prior to the 'Instructing Agent' in the chain)</u>; - in case both <u>Previous Instructing Agent 1 BICFI and Instructing Agent BICFI are not populated, the message is rejected by TIPS</u>; - in case the <u>Previous Instructing Agent 1 BICFI is populated and the Instructing Agent BICFI is not populated, the message is rejected by TIPS</u>; - in case <u>Previous Instructing Agent 1 BICFI is not populated, the Distinguished Name of the Instructing Agent BICFI must be authorised to instruct for the Debtor Agent BICFI, and the Instructing Agent BICFI must be stored as an Account Authorised BIC or CMB user.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-X002</u>	<u>Instructed Agent</u>	<u>The Identification Code of the Leg Exit PSP.</u>	<u>FIToFICstmrCdtTrf/GrpHdr/instdAgt</u>	No	<p><u>For Outgoing cross-currency transactions:</u></p> <ul style="list-style-type: none"> - <u>This is the Identification Code of the Exit PSP (AT-X002);</u> - <u>AT-X002 must be provided here in case it is a direct CSM participant, if not AT-X002 is to be provided under Intermediary Agent 1 BICFI;</u> - <u>in case both Intermediary Agent 1 BICFI and Instructed Agent BICFI are not populated, the message is rejected by TIPS;</u> - <u>in case the Intermediary Agent 1 BICFI is populated and the Instructed Agent BICFI is not populated, the message is rejected by TIPS;</u> - <u>in case the Intermediary Agent 1 BICFI is not populated, the Instructed Agent BICFI must be linked with at least one Distinguished Name for outbound message routing.</u>
<u>n/a</u>	<u>Credit Transfer Transaction Information</u>	<u>Set of elements providing information specific to the individual credit transfer.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf</u>	Yes	<u>Only schema validation is performed.</u>
<u>n/a</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>	No	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-T014</u>	<u>End To End Identification</u>	<u>The Payer's reference of the OCT^{Inst}.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/PmtId/EndToEndId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u> <u>In the event that no reference was given, NOTPROVIDED must be used.</u>
<u>AT-T054</u>	<u>Transaction Identification</u>	<u>The Reference of the OCT^{Inst} message</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/PmtId/TxId</u>	<u>Yes</u>	<u>With the Debtor Agent BIC, it is used by TIPS to uniquely identify the cross-currency transaction and to perform the duplicate check.</u>
<u>AT-T016</u>	<u>UETR</u>	<u>Unique End-to-End Transaction Reference (UETR).</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/PmtId/UETR</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>AT-T002</u>	<u>Settlement Amount</u>	<u>The amount of the OCT^{Inst}</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/IntrBkSttlmAmt</u>	<u>Yes</u>	<u>Amount to be settled in the current cross-currency transaction leg. The currency of the Settlement Amount must be the same of the Accounts on Creditor and Debtor sides.</u> <u>Only schema validation is performed.</u> <u>For PSPs compliant with the EPC OCT^{Inst} schema, only 'EUR' is allowed as currency.</u>
<u>AT-T057</u>	<u>Settlement Time Indication</u>	<u>Non-Euro Leg Time Stamp</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/SttlmTmIndctn</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Settlement Time Indication</u> <u>+Debit Date Time</u>	<u>Debit Date Time</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/SttlmTmIndctn/DbtDtTm</u>	<u>No</u>	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-T056</u>	<u>Acceptance Timestamp</u>	<u>Timestamp of the OCT^{Inst} Transaction</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/AcceptncDtM</u>	<u>Yes</u>	<p><u>The Acceptance Timestamp is used as a starting point in time for the Instant Payment transaction processing at Originator PSP level.</u></p> <p><u>The Acceptance Timestamp shall be expressed in UTC.</u></p> <p><u>The Timestamp must be unambiguous and at least include seconds.</u></p>
<u>AT-T003</u>	<u>Instructed Amount</u>	<u>The Initial Amount of the OCT^{Inst} ordered by the Payer.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/InstdAmt</u>	<u>No</u>	<p><u>Only schema validation is performed.</u></p> <p><u>Mandatory if AT-T004 is different from Euro and/or if AT-T003 is different from 'Interbank Settlement Amount' (for example in case of fees).</u></p>
<u>AT-T004</u>	<u>Currency</u>	<u>Currency of the Initial Amount</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/InstdAmt/@Ccy</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>AT-T005</u>	<u>Exchange Rate</u>	<u>Currency exchange rate applied on the Initial Amount.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/XchgRate</u>	<u>No</u>	<p><u>Only schema validation is performed.</u></p> <p><u>Only to be used if the currency of the Initial Amount (AT-T004) is different from Euro.</u></p>
<u>n/a</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>n/a</u>	<u>Charges Information</u>	<u>Provides information on the charges to be paid by the charge bearer(s) related to the payment</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>AT-T058</u>	<u>Charges Information</u> <u>+Amount</u>	<u>The amount of the OCT^{Inst} charges</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Amt</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
AT-T059	<u>Charges Information</u> <u>+Agent</u>	The party that levies the <u>OCT^{Inst}</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt</u>	Yes	<u>Only schema validation is performed.</u>
n/a	<u>Charges Information</u> <u>+Agent</u>	The party that levies the <u>OCT^{Inst}</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt</u>	Yes	<u>Only schema validation is performed.</u>
n/a	<u>Charges Information</u> <u>+Agent</u> <u>++Financial Institution Identification</u>	<u>Unique and unambiguous identification of a financial institution</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt/FinInstnId</u>	Yes	<u>Only schema validation is performed.</u> <u>If the Party which receives the fee is a Euro Leg-Based PSP, then only 'BICFI' is allowed. If the Party which receives the fee is a non-Euro Leg FI, then it is strongly recommended to provide: - Either 'BICFI' only (preferred option); - Or the combination of any other identification with 'Name' and 'Postal Address'; - Or 'Name' and 'Postal Address'.</u>
n/a	<u>Charges Information</u> <u>+Agent</u> <u>++Financial Institution Identification</u> <u>+++BICFI</u>	<u>Business identifier code</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt/FinInstnId/BICFI</u>	No	<u>Only schema validation is performed.</u> <u>To be used if the Party which receives a fee is a PSP or FI.</u>
n/a	<u>Charges Information</u> <u>+Agent</u> <u>++Financial Institution Identification</u> <u>+++Clearing System Member Identification</u>	<u>Information used to identify a member within a clearing system</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt/FinInstnId/ClrSysMmbld</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-T059 is a BIC.</u>
n/a	<u>Charges Information</u> <u>+Agent</u> <u>++Financial Institution Identification</u> <u>+++LEI</u>	<u>Legal entity identifier of the financial institution.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt/FinInstnId/LEI</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-T059 is a BIC.</u>

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<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>n/a</u>	<u>Charges Information</u> +Agent ++Financial Institution Identification +++Name	<u>Name by which an agent is known and which is usually used to identify that agent.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt/FinInstnId/Nm</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-T059 is a BIC.</u>
<u>n/a</u>	<u>Charges Information</u> +Agent ++Financial Institution Identification +++Postal Address	<u>Information that locates and identifies a specific address, as defined by postal services</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt/FinInstnId/PstlAdr</u>	No	<u>Only schema validation is performed.</u> <u>Mandatory when 'Name' is provided. If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is allowed. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>
<u>n/a</u>	<u>Charges Information</u> +Agent ++Financial Institution Identification +++Other	<u>Unique identification of an agent, as assigned by an institution, using an identification scheme</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/ChrgsInf/Agt/FinInstnId/Othr</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-T059 is a BIC.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-X001</u> <u>AT-X003</u>	<u>Previous Instructing Agent 1</u>	<u>Agent immediately prior to the instructing agent</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt1</u>	No	<p>For Incoming cross-currency transactions:</p> <ul style="list-style-type: none"> - this is the <u>Identification Code of the Entry PSP</u>, in case it is an indirect participant of the CSM (AT- X001). - Only 'BICFI' is allowed; - the Previous <u>Instructing Agent 1 BICFI</u> must be linked with at least one <u>Distinguished Name for outbound message routing</u>. <p>Otherwise:</p> <p><u>Either 'BICFI', 'LEI' or 'Other/Identification' must be used for AT-X003.</u></p> <p>For AT-X003 'The <u>Identification Code of the Intermediary FI(s) of the non-Euro Leg Payer's FI</u>', it is strongly recommended to provide: - Either <u>'BICFI' only (preferred option)</u>; - Or the combination of any other identification with <u>'Name' and 'Postal Address'</u>; - Or <u>'Name' and 'Postal Address'</u>.</p>
<u>AT-X001</u> <u>AT-X003</u> <u>AT-X004</u> <u>AT-X005</u>	<u>Previous Instructing Agent 1</u> <u>+Financial Institution Identification</u>	<u>Unique and unambiguous identification of a financial institution</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt1/FinInstnId</u>	Yes	<u>Only schema validation is performed.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
n/a	<u>Previous Instructing Agent 1</u> +Financial Institution Identification +BICFI	<u>Business identifier code</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt1/FinInstnId/BICFI</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Previous Instructing Agent 1</u> +Financial Institution Identification +Clearing System Member Identification	<u>Information used to identify a member within a clearing system.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt1/FinInstnId/ClrSysMmbld</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-X003 is a BIC.</u>
n/a	<u>Previous Instructing Agent 1</u> +Financial Institution Identification +LEI	<u>Legal entity identifier of the financial institution.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt1/FinInstnId/LEI</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-X003 is a BIC.</u>
n/a	<u>Previous Instructing Agent 1</u> +Financial Institution Identification +Name	<u>Name by which an agent is known and which is usually used to identify that agent.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt1/FinInstnId/Nm</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-X003 is a BIC.</u>
n/a	<u>Previous Instructing Agent 1</u> +Financial Institution Identification +Postal Address	<u>Information that locates and identifies a specific address, as defined by postal services.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt1/FinInstnId/PstlAdr</u>	No	<u>Only schema validation is performed.</u> <u>Mandatory when AT-X004 is provided. If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is allowed. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
n/a	<u>Previous Instructing Agent 1</u> +Financial Institution Identification +Other	<u>Unique identification of an agent, as assigned by an institution, using an identification scheme</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt1/FinInstnId/PstlAdr</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-X003 is a BIC.</u>
<u>AT-X001</u> <u>AT-X003</u> <u>AT-X004</u> <u>AT-X005</u>	<u>Previous Instructing Agent 2</u>	<u>Agent immediately prior to the instructing agent.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt2</u>	No	<u>Only schema validation is performed.</u> <u>Identical to 'Previous Instructing Agent 1'.</u>
<u>AT-X001</u> <u>AT-X003</u> <u>AT-X004</u> <u>AT-X005</u>	<u>Previous Instructing Agent 3</u>	<u>Agent immediately prior to the instructing agent.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt3</u>	No	<u>Only schema validation is performed.</u> <u>Identical to 'Previous Instructing Agent 1'.</u>
<u>AT-X001</u> <u>AT-X003</u> <u>AT-X004</u> <u>AT-X005</u>	<u>Previous Instructing Agent 3</u>	<u>Agent immediately prior to the instructing agent.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/PrvsInstgAgt3</u>	No	<u>Only schema validation is performed.</u> <u>Identical to 'Previous Instructing Agent 1'.</u>
<u>AT-X002</u>	<u>Intermediary Agent 1</u>	<u>Agent between the debtor's agent and the creditor's agent</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/IntrmyAgt1</u>	No	<u>For Outgoing cross-currency transactions:</u> <u>- this is the Identification Code of the Exit PSP, in case it is an indirect participant of the CSM (AT-X002).</u> <u>- Only 'BICFI' is allowed;</u> <u>- the Instructed Agent 'BICFI' must be linked with at least one Distinguished Name for outbound message routing.</u>
<u>AT-P006</u>	<u>Ultimate Debtor</u> +Name	<u>Name of the Payer Reference Party</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/Nm</u>	No	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-P008</u>	<u>Ultimate Debtor</u> <u>+Postal Address</u>	<u>The address of the Payer Reference Party.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/PstlAdr</u>	No	<u>Only schema validation is performed.</u> <u>If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is recommended. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>
<u>AT-P007</u>	<u>Ultimate Debtor</u> <u>+Identification</u>	<u>Identification code of the Payer Reference Party.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/Id</u>	No	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Ultimate Debtor</u> <u>+ Identification</u> <u>++ Organisation Identification</u>	<u>Unique and unambiguous way to identify an organisation.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/Id/OrgId</u>	Yes	<u>Only schema validation is performed.</u> <u>Either 'AnyBIC', 'LEI' or one occurrence of 'Other' is allowed.</u>
<u>n/a</u>	<u>Ultimate Debtor</u> <u>+ Identification</u> <u>++ Private Identification</u>	<u>Unique and unambiguous identification of a person, eg. passport.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/UltmtDbtr/Id/PrvtId</u>	Yes	<u>Only schema validation is performed.</u> <u>Either 'Date and Place of Birth' or one occurrence of 'Other' is allowed.</u>
<u>n/a</u>	<u>Debtor</u>	<u>Party that owes an amount of money to the (ultimate) creditor.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Dbtr</u>	Yes	<u>Only schema validation is performed.</u>
<u>AT-P001</u>	<u>Debtor</u> <u>+Name</u>	<u>Name of the Payer.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Dbtr/Nm</u>	Yes	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-P005</u>	<u>Debtor</u> <u>+Postal Address</u>	<u>The address of the Payer.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/PstAdr</u>	<u>Yes</u>	<u>Only schema validation is performed.</u> <u>If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is recommended. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>
<u>AT-P004</u>	<u>Debtor</u> <u>+Identification</u>	<u>The Payer Identification Code.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/Id</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>n/a</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>Either 'AnyBIC', 'LEI' or one occurrence of 'Other' is allowed.</u>
<u>n/a</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>Either 'Date and Place of Birth' or one occurrence of 'Other' is allowed.</u>
<u>n/a</u>	<u>Debtor Account</u>	<u>Unambiguous identification of the account of the debtor to which a debit entry will be made as a result of the transaction</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>AT-D001</u>	<u>Debtor Account</u> <u>+Identification</u>	<u>The unique identifier of the Account of the Payer.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Id</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
<u>AT-D001</u>	<u>Debtor Account</u> +Identification ++IBAN	The unique identifier of the Account of the Payer.	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Id/IBAN</u>	Yes	<u>Only schema validation is performed.</u> It is strongly recommended to use the IBAN as identifier of the Account of the Payer to be debited for the OCT ^{Inst} Instruction.
<u>n/a</u>	<u>Debtor Account</u> +Identification ++Other	Unique identification of an account, as assigned by the account servicer, using an identification scheme	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Id/Other</u>	Yes	<u>Only schema validation is performed.</u>
<u>AT-D003</u>	<u>Debtor Account</u> +Type	The type of the Account of the Payer.	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Tp</u>	No	<u>Only schema validation is performed.</u>
<u>AT-D004</u>	<u>Debtor Account</u> +Currency	The currency of the Account of the Payer	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Ccy</u>	No	<u>Only schema validation is performed.</u>
<u>AT-P003</u>	Proxy	Proxy/Alias of the Account of the Payer.	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAcct/Prxy</u>	No	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Debtor Agent</u>	Financial institution servicing an account for the debtor.	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt</u>	Yes	<u>Financial Institution Identification 'BICFI' is mandatory for the processing in TIPS: if not present, the message will be rejected by TIPS.</u>
<u>n/a</u>	<u>Debtor Agent</u> +Financial Institution Identification	Unique and unambiguous identification of a financial institution, as assigned under an internationally recognised or proprietary identification scheme	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt/FinInstnId</u>	Yes	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
AT-D002	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++BIC</u>	<u>The Identification Code of the Payer's PSP/FI.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt/FinInstnId/BICFI</u>	No	<u>'BICFI' is mandatory for the processing in TIPS: if not present, the message will be rejected by TIPS.</u> <u>With the Transaction ID, it is used by TIPS to uniquely identify the cross-currency transaction.</u> <u>For Outgoing cross-currency transactions:</u> <u>- the Originator BIC must be stored as an Account Authorised BIC or CMB user, and</u> <u>- the Distinguished Name of the sender must be authorised to instruct for the Originator BIC.</u>
n/a	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++Clearing System Member Identification</u>	<u>Information used to identify a member within a clearing system.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt/FinInstnId/ClrSysMmbld</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++LEI</u>	<u>Legal entity identifier of the financial institution.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt/FinInstnId/LEI</u>	No	<u>Only schema validation is performed.</u>
AT-D005	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++Name</u>	<u>Name by which an agent is known and which is usually used to identify that agent.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt/FinInstnId/Nm</u>	No	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
AT-D006	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++Postal Address</u>	<u>Information that locates and identifies a specific address, as defined by postal services.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt/FinInstnld/PstlAdr</u>	No	<u>Only schema validation is performed.</u> <u>Mandatory when AT-D005 is provided.</u> <u>If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is recommended. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>
n/a	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++Other</u>	<u>Unique identification of an agent, as assigned by an institution, using an identification scheme.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/DbtrAgt/FinInstnld/Othr</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Creditor Agent</u>	<u>Financial institution servicing an account for the creditor.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt</u>	Yes	<u>Only schema validation is performed.</u> <u>It is strongly recommended to provide: - Either 'BICFI' only (preferred option); - Or the combination of any other identification with 'Name' and 'Postal Address'; - Or 'Name' and 'Postal Address'.</u>
n/a	<u>Creditor Agent</u> <u>+Financial Institution Identification</u>	<u>Unique and unambiguous identification of a financial institution, as assigned under an internationally recognised or proprietary identification scheme</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt/FinInstnld</u>	Yes	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
AT-C002	<u>Creditor Agent</u> <u>+Financial Institution Identification</u> <u>++BIC</u>	<u>The Identification Code of the Payee's PSP/Fl.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt/FinInstnId/BICFI</u>	No	<u>For Incoming cross-currency transactions:</u> <u>- 'BICFI' is mandatory for the processing in TIPS: if not present, the message will be rejected by TIPS, and</u> <u>- The 'BICFI' must be linked with at least one Distinguished Name for outbound message routing.</u>
n/a	<u>Creditor Agent</u> <u>+Financial Institution Identification</u> <u>++Clearing System Member Identification</u>	<u>Information used to identify a member within a clearing system.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt/FinInstnId/ClrSysMmbld</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-C002 is a BIC.</u>
n/a	<u>Creditor Agent</u> <u>+Financial Institution Identification</u> <u>++LEI</u>	<u>Legal entity identifier of the financial institution.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt/FinInstnId/LEI</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-C002 is a BIC.</u>
AT-C005	<u>Creditor Agent</u> <u>+Financial Institution Identification</u> <u>++Name</u>	<u>Name by which an agent is known and which is usually used to identify that agent.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt/FinInstnId/Nm</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-C002 is a BIC.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
AT-C006	<u>Creditor Agent</u> <u>+Financial Institution Identification</u> <u>++Postal Address</u>	<u>Information that locates and identifies a specific address, as defined by postal services.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt/FinInstnId/PstlAdr</u>	No	<u>Only schema validation is performed.</u> <u>Mandatory when AT-C005 is provided.</u> <u>If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is recommended. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>
n/a	<u>Creditor Agent</u> <u>+Financial Institution Identification</u> <u>++Other</u>	<u>Unique identification of an agent, as assigned by an institution, using an identification scheme.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAgt/FinInstnId/Othr</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-C002 is a BIC.</u>
n/a	<u>Creditor</u>	<u>Party to which an amount of money is due.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Cdtr</u>	Yes	<u>Only schema validation is performed.</u>
AT-E001	<u>Creditor</u> <u>+Name</u>	<u>Name of the Payee.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Nm</u>	Yes	<u>Only schema validation is performed.</u>
AT-E004	<u>Creditor</u> <u>+Postal Address</u>	<u>The address of the Payer.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Cdtr/PstlAdr</u>	Yes	<u>Only schema validation is performed.</u> <u>If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is recommended. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
AT-E005	<u>Creditor</u> <u>+Identification</u>	<u>The Payer Identification Code.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Id</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Creditor</u> <u>+ Identification</u> <u>++ Organisation Identification</u>	<u>Unique and unambiguous way to identify an organisation</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Id/OrgId</u>	Yes	<u>Only schema validation is performed.</u> <u>Either 'AnyBIC', 'LEI' or one occurrence of 'Other' is allowed.</u>
n/a	<u>Creditor</u> <u>+ Identification</u> <u>++ Private Identification</u>	<u>Unique and unambiguous identification of a person, eg. passport.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/Cdtr/Id/PrvtId</u>	Yes	<u>Only schema validation is performed.</u> <u>Either 'Date and Place of Birth' or one occurrence of 'Other' is allowed.</u>
n/a	<u>Creditor Account</u>	<u>Unambiguous identification of the account of the creditor to which a debit entry will be made as a result of the transaction</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct</u>	Yes	<u>Only schema validation is performed.</u>
AT-C001	<u>Creditor Account</u> <u>+Identification</u>	<u>The unique identifier of the Account of the Payee.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct/Id</u>	Yes	<u>Only schema validation is performed.</u>
AT-C001	<u>Creditor Account</u> <u>+Identification</u> <u>++IBAN</u>	<u>The unique identifier of the Payment Account of the Payee.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct/Id/IBAN</u>	Yes	<u>Only schema validation is performed.</u> <u>It is strongly recommended to use the IBAN as identifier of the Account of the Payer to be debited for the OCT^{Inst} Instruction.</u>
n/a	<u>Creditor Account</u> <u>+Identification</u> <u>++Other</u>	<u>Unique identification of an account, as assigned by the account servicer, using an identification scheme</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct/Id/Othr</u>	Yes	<u>Only schema validation is performed.</u>
AT-C003	<u>Creditor Account</u> <u>+Type</u>	<u>The type of the Account of the Payee.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct/Tp</u>	No	<u>Only schema validation is performed.</u>
AT-C004	<u>Creditor Account</u> <u>+Currency</u>	<u>The currency of the Account of the Payee.</u>	<u>FItoFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct/Ccy</u>	No	<u>Only schema validation is performed.</u>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand.</u>	<u>TIPS Usage</u>
AT-E003	<u>Proxy</u>	<u>Proxy/Alias of the Account of the Payee.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/CdtrAcct/Prxy</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Ultimate Creditor</u>	<u>Ultimate party to which an amount of money is due.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr</u>	No	<u>Only schema validation is performed.</u>
AT-E007	<u>Ultimate Creditor Name</u>	<u>The name of the Payee Reference Party</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr/Nm</u>	No	<u>Only schema validation is performed.</u>
AT-P008	<u>Ultimate Creditor</u> <u>+Postal Address</u>	<u>The address of the Payer Reference Party.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr/PstlAdr</u>	No	<u>Only schema validation is performed.</u> <u>If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is allowed. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>
AT-E010	<u>Ultimate Creditor Identification</u>	<u>The identification code of the Payee Reference Party</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr/Id</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Ultimate Creditor</u> <u>+ Identification</u> <u>++ Organisation Identification</u>	<u>Information that locates and identifies a specific address, as defined by postal services, presented in free format text.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr/Id/Orgld</u>	Yes	<u>Only schema validation is performed.</u> <u>Either 'AnyBIC', 'LEI' or one occurrence of 'Other' is allowed.</u>
n/a	<u>Ultimate Creditor</u> <u>+ Identification</u> <u>++ Private Identification</u>	<u>Unique and unambiguous identification of a person, eg. passport.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/UltmtCdtr/Id/Prvtld</u>	Yes	<u>Only schema validation is performed.</u> <u>Either 'Date and Place of Birth' or one occurrence of 'Other' is allowed.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
AT-T020	<u>Instruction For Next Agent</u>	<u>The currency requested by the Payer for the funds in the non-Euro Leg</u>	<u>/FIToFICstmrCdtTrf/CdtTrfTxInf/InstrForNxtAgt</u>	No	<u>Only schema validation is performed.</u> <u>For Outgoing cross-currency transactions only one occurrence is allowed.</u>
n/a	<u>Instruction For Next Agent</u> <u>+Instruction Information</u>	<u>The currency requested by the Payer for the funds in the non-Euro Leg</u>	<u>/FIToFICstmrCdtTrf/CdtTrfTxInf/InstrForNxtAgt/InstrInf</u>	No	<u>Only schema validation is performed.</u>
AT-T007	<u>Purpose</u>	<u>The purpose of the OCT^{Inst}.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Purp</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Purpose</u> <u>+ Code</u>	<u>Underlying reason for the payment transaction, as published in an external purpose code list.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/Purp/Cd</u>	No	<u>Only schema validation is performed.</u>
AT-T053	<u>Regulatory Reporting</u>	<u>Regulatory reporting.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/RgltryRptg</u>	No	<u>Only schema validation is performed.</u>
AT-T009	<u>Remittance Information</u>	<u>The Remittance Information</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/RmtInf</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Remittance Information</u> <u>+ Unstructured</u>	<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 an unstructured form.</u>	<u>FIToFICstmrCdtTrf/CdtTrfTxInf/RmtInf/Ustrd</u>	No	<u>Either Unstructured or Structured may be present. If both components are included, the message will be rejected during the schema validation process.</u>
n/a	<u>Remittance Information</u> <u>+ Structured</u>	<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>Either Unstructured or Structured may be present. If both components are included, the message will be rejected during the schema validation process.</u>

Change Request form

21) FIToFIPaymentStatusReport (pacs.002.001.10) (new section)

The FltoFIPaymentStatusReport message is used in several business cases for cross-currency 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 the Originator Participant (e.g., in case of errors during the conditional phase or in case of timeout condition triggered by TIPS during either the conditional phase or settlement phase);
7. It is sent by TIPS to the Beneficiary Participant in case of timeout condition triggered by TIPS during the settlement phase due to missing positive confirmation from the Beneficiary Participant;
8. It is sent by TIPS to the Beneficiary Participant in case of timeout condition triggered by TIPS during the settlement phase due to delayed positive confirmation from the Beneficiary Participant.

For Outgoing cross-currency transactions, the Beneficiary Participant of the leg is the Leg Exit PSP. For Incoming cross-currency transactions, the Originator Participant of the leg is the Leg Entry PSP.

References/links

The schema and the related documentation in XSD/EXCEL/PDF format as well as the message examples are provided within the MyStandards repository under the following link:

<https://www.swift.com/mystandards/TIPS/pacs.002.001.10>

Table 6 – cross-currency pacs.002.001.10

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand</u>	<u>TIPS Usage</u>
<u>n/a</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>n/a</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>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand	TIPS Usage
n/a	Instructing Agent	Agent that instructs the next party in the chain to carry out the instruction.	FItoFIPmtStsRpt/GrpHdr/InstgAgt	No	Only schema validation is performed.
n/a	Instructed Agent	Agent that is instructed by the previous party in the chain to carry out the instruction.	FItoFIPmtStsRpt/GrpHdr/InstdAgt	No	Only schema validation is performed.
n/a	Original Message Identification	Message Identification of the originating message	FItoFIPmtStsRpt/OrgnlGrpInfAndSts/OrgnlMsgld	Yes	<p>This field matches with the Identification of the original message.</p> <p>Business cases 1, 2, 3, 6, 7:</p> <p>FItoFICstmrCdtTrf/GrpHdr/Msgld</p> <p>Business case 4, 8:</p> <p>FItoFIPmtStsRpt/GrpHdr/Msgld</p> <p>Business case 5:</p> <p>FItoFIPmtStsReq/GrpHdr/Msgld</p>
n/a	Original Message Name Identification	Message identifier of the originating message. EOLO usage rule: Only pac.008.001.08 is allowed.	FItoFIPmtStsRpt/OrgnlGrpInfAndSts/OrgnlMsgNmld	Yes	<p>Business cases 1, 2, 3, 6, 7:</p> <p>pac.008.001.08</p> <p>Business cases 4, 8:</p> <p>pac.002.001.10</p> <p>Business case 5:</p> <p>pac.028.001.03</p> <p>EOLO usage rule applicable only to business cases 2, 3</p>
AT-R001	<p>Group Status</p> <p>Transaction Status</p>	The type of "R" message	<p>FItoFIPmtStsRpt/OrgnlGrpInfAndSts/GrpSts</p> <p>FItoFIPmtStsRpt/TxInfAndSts/TxSts</p>	No	<p>Either Group Status or Transaction Status must be used.</p> <p>If pac.002 sent by beneficiary does not include any status or both are filled in, connected payment transaction will be rejected by TIPS.</p> <p>In pac.002 messages produced by TIPS, Group Status will be used for positive confirmation while Transaction Status will be included for negative acknowledgements.</p>

Change Request form

<u>EPC Ref.</u>	<u>Reference Name</u>	<u>EPC/ISO Description</u>	<u>XML path</u>	<u>Mand</u> :	<u>TIPS Usage</u>
<u>AT-R002</u>	<u>Originator</u>	<u>The Identification of the type of Actor initiating the "R" message</u>	<u>FItoFIPmtStsRpt/OrgnlGrpInfAndSts/StsRsnInf/Orgtr</u>	<u>Yes</u>	<u>This field is mandatory for negative confirmation message if Group Status is used, not allowed otherwise.</u>
<u>AT-R004</u>	<u>Reason</u>	<u>The reason code for non-acceptance of the OCT^{Inst} Transaction</u>	<u>FItoFIPmtStsRpt/OrgnlGrpInfAndSts/StsRsnInf/Rsn</u>	<u>Yes</u>	<u>This field is mandatory for negative confirmation message if Group Status is used, not allowed otherwise.</u>
<u>n/a</u>	<u>Reason</u> <u>+ Code</u>	<u>Reason for the status, as published in an external reason code list.</u>	<u>FItoFIPmtStsRpt/OrgnlGrpInfAndSts/StsRsnInf/Rsn/Cd</u>	<u>Yes</u>	<u>This field is mandatory for negative confirmation message if Group Status is used, not allowed otherwise.</u> <u>Only "FF01" is allowed.</u>
<u>AT-R003</u> <u>AT-T055</u>	<u>Status Identification</u>	<u>Unique identification to unambiguously identify the reported status.</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/StsId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u> <u>For positive confirmation it is the AT-T055:</u> <u>- The Euro Leg-Based Payee's PSP reference of the OCT^{Inst} for incoming messages.</u> <u>- The Euro Leg Exit PSP reference of the OCT^{Inst} for outgoing messages.</u> <u>For negative confirmation it is the AT-R003:</u> <u>- The specific reference of the Actor initiating the Reject.</u>
<u>n/a</u>	<u>Original Instruction Identification</u>	<u>Unique identification, as assigned by the original Instructing Party for the original instructed party.</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlInstrld</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>AT-T014</u>	<u>Original End To End Identification</u>	<u>The Originator's reference of the OCT^{Inst} Transaction</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlEndToEndId</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand	TIPS Usage
AT-T054	<u>Original Transaction Identification</u>	The Originator PSP's reference number of the OCT ^{Inst} Transaction message	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlTxId</u>	Yes	Reference of the cross-currency transaction to which the <u>PaymentStatusReport</u> refers. With the Debtor Agent BIC, it is used by TIPS to uniquely identify the cross-currency transaction.
AT-T016	<u>Original UETR</u>	<u>Unique End-to-End Transaction Reference (UETR)</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlUETR</u>	No	Only schema validation is performed.
AT-R002	<u>Originator</u>	The Identification of the type of party initiating the "R" message	<u>FItoFIPmtStsRpt/TxInfAndSts/StsRsnInf/Orgtr</u>	Yes	This field is mandatory for negative confirmation message if Transaction Status is used, not allowed otherwise.
AT-R004	<u>Reason</u>	The reason code for non-acceptance of the OCT ^{Inst} Transaction	<u>FItoFIPmtStsRpt/TxInfAndSts/StsRsnInf/Rsn</u>	Yes	This field is mandatory for negative confirmation message if Transaction Status is used, not allowed otherwise.
n/a	<u>Reason</u> + Code	Reason for the status, as published in an external reason code list.	<u>FItoFIPmtStsRpt/TxInfAndSts/StsRsnInf/Rsn/Cd</u>	Yes	This field is mandatory for negative confirmation message if Transaction Status is used, not allowed otherwise.
AT-T056	<u>Acceptance Timestamp</u>	<u>Euro Leg Time Stamp of the OCT^{Inst} Transaction</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/AcceptncDtTm</u>	Yes	Only schema validation is performed.
n/a	<u>Original Transaction Reference</u>	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.
AT-T001	<u>Scheme Identification Code</u>	The identification code of the OCT ^{Inst} Scheme	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/PmtTplnf/SvcLvl/Cd</u>	No	Only schema validation is performed.
AT-T001	<u>Local Instrument Code</u>	The identification code of the OCT ^{Inst} Scheme	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/PmtTplnf/LclInstrm/Cd</u>	Yes	Only schema validation is performed. Only "INST" should be used.

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand	TIPS Usage
AT-T008	<u>Category Purpose</u>	<u>The category purpose of the OCT^{Inst} Instruction</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/PmtTplnf/CtgyPurp</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Debtor Agent</u>	<u>Financial institution servicing an account for the debtor.</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/DbtrAgt</u>	Yes	<u>Only schema validation is performed.</u> <u>For incoming OCT^{Inst} transactions AT-D002, AT-D005, AT-D006 can be used:</u> - The <u>Identification Code of the non-Euro Leg Payer's FI.</u> - The <u>name of the non-Euro Leg Payer's FI.</u> - The <u>address of the non-Euro Leg Payer's FI.</u> <u>For outgoing OCT^{Inst} transactions AT-D002 can be used:</u> - The <u>Identification Code of the Euro Leg-Based Payer's PSP.</u>
AT-D002	<u>Debtor Agent</u> + <u>Financial Insitution Identification</u> ++ <u>BIC</u>	<u>The Identification Code of the Payer's PSP/FI</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/DbtrAgt/FinInstnld/BICFI</u>	No	<u>'BICFI' is mandatory for the processing in TIPS: if not present, the message will be rejected by TIPS.</u>
AT-D005	<u>Debtor Agent</u> + <u>Financial Insitution Identification</u> ++ <u>Name</u>	<u>Name by which an agent is known and which is usually used to identify that agent</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/DbtrAgt/FinInstnld/Nm</u>	No	<u>Only schema validation is performed.</u>
AT-D006	<u>Debtor Agent</u> + <u>Financial Insitution Identification</u> ++ <u>Postal Address</u>	<u>Information that locates and identifies a specific address, as defined by postal services</u>	<u>FItoFIPmtStsRpt/TxInfAndSts/OrgnlTxRef/DbtrAgt/FinInstnld/PstlAdr</u>	No	<u>Only schema validation is performed.</u>

22) FItoFIPaymentStatusRequest (pacs.028.001.03) (new section)

The FI to FI Payment Status Request message allows instructing TIPS for the retrieval of the status of a single or group of cross-currency Instant Payment transaction.

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This message covers the scenario of Status investigation message:

- The Originator PSP, Ancillary System or Instructing Party acting on debtor side of the leg of the cross currency transaction under analysis (Originator Participant for Outgoing transactions and Leg Entry PSP for Incoming ones) can start the investigation process on a single or group of previously instructed Instant cross-currency Payment Transactions.

References/links

The schema and the related documentation in XSD/EXCEL/PDF format as well as the message examples are provided within the MyStandards repository under the following link:

<https://www.swift.com/mystandards/TIPS/pacs.028.001.03>

Table 7 – cross-currency pacs.028.001.03

EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
<u>n/a</u>	<u>Message Identification</u>	<u>Point to point reference, as assigned by the instructing party, and sent to the next party in the chain to unambiguously identify the message.</u>	<u>FItoFIPmtStsReq/GrpHdr/Msgld</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Creation Date Time</u>	<u>Date and time at which the message was created.</u>	<u>FItoFIPmtStsReq/GrpHdr/CreDtTm</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Instructing Agent</u>	<u>Agent that instructs the next party in the chain to carry out the (set of) instruction(s).</u>	<u>FItoFIPmtStsReq/GrpHdr/InstgAgt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Instructed Agent</u>	<u>Agent that is instructed by the previous party in the chain to carry out the (set of) instruction(s).</u>	<u>FItoFIPmtStsReq/GrpHdr/InstdAgt</u>	<u>No</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Original Message Identification</u>	<u>Point to point reference, as assigned by the original instructing party, to unambiguously identify the original message.</u>	<u>FItoFIPmtStsReq/OrgnlGrpInf/OrgnlMsgld</u>	<u>Yes</u>	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Original Message Name Identification</u>	<u>original message name identifier to which the message refers.</u>	<u>FItoFIPmtStsReq/OrgnlGrpInf/OrgnlMsgNmld</u>	<u>Yes</u>	<u>Possible allowed values: "pacs.008.001.08"</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
<u>n/a</u>	<u>Status Request Identification</u>	<u>Unique identification, as assigned by an instructing party for an instructed party, to unambiguously identify the status request.</u>	<u>FItoFIPmtStsReq/TxInf/stsReqId</u>	Yes	<u>Only schema validation is performed.</u>
<u>n/a</u>	<u>Original Instruction Identification</u>	<u>Unique identification, as assigned by the original instructing party for the original instructed party, to unambiguously identify the original instruction.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlInstrId</u>	No	<u>Only schema validation is performed.</u>
<u>AT-T014</u>	<u>Original End To End Identification</u>	<u>Unique identification, as assigned by the original initiating party, to unambiguously identify the original transaction.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlEndToEndId</u>	Yes	<u>Only schema validation is performed.</u>
<u>AT-T054</u>	<u>Original Transaction Identification</u>	<u>Unique identification, as assigned by the original first instructing agent, to unambiguously identify the transaction.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxId</u>	Yes	<u>Identification of the Payment Transaction to be investigated.</u>
<u>AT-T016</u>	<u>Original UETR</u>	<u>Universally unique identifier to provide the original end-to-end reference of a payment transaction.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlUETR</u>	No	<u>Only schema validation is performed.</u>
<u>AT-T056</u>	<u>Acceptance Timestamp</u>	<u>Timestamp of the OCT^{Inst} Transaction</u>	<u>FItoFIPmtStsReq/TxInf/accptncDtTm</u>	Yes	<u>Acceptance timestamp of the Payment Transaction to be investigated.</u> <u>In case it is not filled, the investigation on the related transaction will be rejected by TIPS.</u>
<u>n/a</u>	<u>Payment Type Information</u>	<u>Set of elements used to further specify the type of transaction.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/PmtTplnf</u>	Yes	<u>Only schema validation is performed.</u>
<u>AT-001</u>	<u>Scheme Identification Code</u>	<u>The identification code of the OCT^{Inst} Scheme</u>	<u>FItoFIPmtStsReq/TxInf/OrgnlTxRef/PmtTplnf/SvcLv/Cd</u>	Yes	<u>Only schema validation is performed.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
AT-T001	<u>Local Instrument</u> <u>+Code</u>	<u>The identification code of the OCT^{Inst} Scheme.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnITxRef/PmtTplnf/LclInstrm/Cd</u>	Yes	<u>Only schema validation is performed. Only "INST" should be used.</u>
AT-T008	<u>Category Purpose</u>	<u>The category purpose of the OCT^{Inst} Instruction</u>	<u>FItoFIPmtStsReq/TxInf/OrgnITxRef/PmtTplnf/CtgyPurp</u>	No	<u>Only schema validation is performed.</u>
n/a	<u>Category Purpose</u> <u>+Code</u>	<u>Category purpose, as published in an external category purpose code list.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnITxRef/PmtTplnf/CtgyPurp/Cd</u>	Yes	<u>Only schema validation is performed.</u>
n/a	<u>Category Purpose</u> <u>+Proprietary</u>	<u>Category purpose, in a proprietary form.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnITxRef/PmtTplnf/CtgyPurp/Prtry</u>	Yes	<u>Only schema validation is performed.</u>
n/a	<u>Debtor Agent</u>	<u>Financial institution servicing an account for the debtor.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnITxRef/DbtrAgt</u>	Yes	<u>Only schema validation is performed.</u> <u>It is strongly recommended to provide: - Either 'BICFI' only (preferred option); - Or the combination of any other identification with 'Name' and 'Postal Address'; - Or 'Name' and 'Postal Address'.</u>
n/a	<u>Debtor Agent</u> <u>+Financial Institution Identification</u>	<u>Unique and unambiguous identification of a financial institution, as assigned under an internationally recognised or proprietary identification scheme</u>	<u>FItoFIPmtStsReq/TxInf/OrgnITxRef/DbtrAgt/FinInstnId</u>	Yes	<u>Only schema validation is performed.</u>
AT-D002	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++BIC</u>	<u>The Identification Code of the Payer's PSP/FI.</u>	<u>FItoFIPmtStsReq/TxInf/OrgnITxRef/DbtrAgt/FinInstnId/BICFI</u>	No	<u>'BICFI' is mandatory for the processing in TIPS: if not present, the message will be rejected by TIPS.</u> <u>With the Transaction ID, it is used by TIPS to uniquely identify the cross-</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
					<u>currency transaction.</u> <u>This field is used in combination with the requestor Distinguished Name to check user access rights..</u>
<u>n/a</u>	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++Clearing System Member Identification</u>	<u>Information used to identify a member within a clearing system.</u>	<u>FItoFIPmtStsReq/TxInf/</u> <u>OrgnlTxRef/DbtrAgt/Finl</u> <u>nstnId/ClrSysMmbld</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-D002 is a BIC.</u>
<u>n/a</u>	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++LEI</u>	<u>Legal entity identifier of the financial institution.</u>	<u>FItoFIPmtStsReq/TxInf/</u> <u>OrgnlTxRef/DbtrAgt/Finl</u> <u>nstnId/LEI</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-D002 is a BIC.</u>
<u>AT-D005</u>	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++Name</u>	<u>Name by which an agent is known and which is usually used to identify that agent.</u>	<u>FItoFIPmtStsReq/TxInf/</u> <u>OrgnlTxRef/DbtrAgt/Finl</u> <u>nstnId/Nm</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-D002 is a BIC.</u>
<u>AT-D006</u>	<u>Debtor Agent</u> <u>+Financial Institution Identification</u> <u>++Postal Address</u>	<u>Information that locates and identifies a specific address, as defined by postal services.</u>	<u>FItoFIPmtStsReq/TxInf/</u> <u>OrgnlTxRef/DbtrAgt/Finl</u> <u>nstnId/PstlAdr</u>	No	<u>Only schema validation is performed.</u> <u>Mandatory when AT-D005 is provided.</u> <u>If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is recommended. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.</u>

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
n/a	<u>Debtor Agent</u> +Financial Institution Identification ++Other	<u>Unique identification of an agent, as assigned by an institution, using an identification scheme.</u>	<u>FItoFIPmtStsReq/TxInf/ OrgnlTxRef/DbtrAgt/Finlnstnld/Othr</u>	No	<u>Only schema validation is performed.</u> <u>Not to be used in case AT-D002 is a BIC.</u>

23) § 3.3.2.2.3 GetTransaction (camt.005.001.07)

This message is sent by the TIPS actor to TIPS to instruct a Payment transaction status query.

The following table describes the message elements to be filled.

References/links

The schema and the related documentation in XSD/EXCEL/PDF format as well as the message examples are provided within the MyStandards repository under the following link:

<https://www.swift.com/mystandards/TIPS/camt.005.001.07>

Table 8 – GetTransaction (camt.005.001.07)

Field Name	Description	XML path	Mand.	TIPS Usage
Message Identifier	Identification of the message	GetTx/MsgHdr/Msgld	Yes	This information will be included in the resulting camt.006
Request Type	Type of the request	GetTx/MsgHdr/ReqTp/Prtry/ld	Yes	Allowed value: - INPA : for Payment transaction status query
Debtor <u>Agent</u>	BIC of the debtor <u>agent</u> of the searched IP Transaction	GetTx/TxQryDef/TxCrit/NewCrit/SchCrit/PmtFr/M mblld/FinInstnld/BICFI	Yes	
Transaction Identification	Identification of the Instant Payment <u>or cross-currency Instant Payment</u> Transaction to be found.	GetTx/TxQryDef/TxCrit/NewCrit/SchCrit/PmtSch/ Txld	Yes	pacs.008 Transaction Identification or pacs.004 Return Identification

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24) § 3.3.2.2.4 ReturnTransaction (camt.006.001.07)

This message is sent by TIPS to the interested TIPS Actor as an answer to a previously received Payment transaction status query.

References/links

The XSD schema and the related message example can be downloaded from the ECB Website.

Table 9 – ReturnTransaction (camt.006.001.07)

Field Name	Description	XML path	Mand.	TIPS Usage
[...]	[...]	[...]	[...]	[...]
Originator BIC	Originator of the Instant Payment Transaction	RtrTx/RptOrErr/BizRpt/TxRpt/TxOrErr/Tx/PmtFr/Mmbld/FinInstnId/BICFI	No	<u>It contains:</u> - The Originator BIC in case of an Instant Payment Transaction or the Debtor Agent BIC in case of an outgoing cross-currency Instant Payment Transaction; - The Entry PSP BIC in case of incoming cross-currency Instant Payment Transaction
Beneficiary BIC	Beneficiary of the Instant Payment Transaction	RtrTx/RptOrErr/BizRpt/TxRpt/TxOrErr/Tx/PmtTo/Mmbld/FinInstnId/BICFI	No	<u>It contains:</u> - The Beneficiary BIC in case of an Instant Payment Transaction or the Creditor Agent BIC in case of an incoming cross-currency Instant Payment Transaction; - The Exit PSP BIC in case of an outgoing cross-currency Instant Payment Transaction

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Field Name	Description	XML path	Mand.	TIPS Usage
Payment Transaction reference	Identification of the Instant Payment <u>or cross-currency Instant Payment</u> Transaction.	RtrTx/RptOrErr/BizRpt/TxRpt/TxOrErr/Tx/Pmt/TxId	Yes	pac.008 Transaction Identification or pac.004 Return Identification
[...]	[...]	[...]	[...]	[...]
Payment transaction amount	Amount of the reported Instant <u>Payment or cross-currency Instant Payment</u> Transaction	RtrTx/RptOrErr/BizRpt/TxRpt/TxOrErr/Tx/Pmt/IntrBkStlmAmt/AmtWthCcy	Yes	
[...]	[...]	[...]	[...]	[...]
Payment status code + Final	Status of the Instant <u>Payment or cross-currency Instant Payment</u> Transaction	RtrTx/RptOrErr/BizRpt/TxRpt/TxOrErr/Tx/Pmt/Sts/Cd/Fnl	Yes	Used to report the following statuses: - STLD : for Settled; - CAND : for Cancelled; - FNLD : for Expired.
Payment status code + RTGS	Status of the Instant <u>Payment or cross-currency Instant Payment</u> Transaction	RtrTx/RptOrErr/BizRpt/TxRpt/TxOrErr/Tx/Pmt/Sts/Cd/RTGS	Yes	Used to report the status: - FAIL : for Failed.
Payment status code + Pending	Status of the Instant <u>Payment or cross-currency Instant Payment</u> Transaction	RtrTx/RptOrErr/BizRpt/TxRpt/TxOrErr/Tx/Pmt/Sts/Cd/Pdg		Used to report the status: - PSTL : for Reserved.
[...]	[...]	[...]	[...]	[...]

25) § 3.3.2.2.12 BankToCustomerStatement (camt.053.001.06)

The Bank To Customer Statement (camt.053.001.06) provides detailed information on the activities recorded for all the accounts in the data scope of the recipient actor.

References/links

The schema and the related documentation in XSD/EXCEL/PDF format as well as the message examples are provided within the MyStandards repository under the following link:

<https://www.swift.com/mystandards/TIPS/camt.053.001.06>

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Table 10 – BankToCustomerStatement (camt.053.001.06)

Field Name	Description	XML path	Mand.	TIPS Usage
[...]	[...]	[...]	[...]	[...]
Entry	Entries of the statement	BkToCstmrStmt/Stmt/Ntry	No	<p>Every Entry block contains the details of an Instant <u>Payment or cross-currency Instant Payment</u> Transaction or Liquidity Transfer which resulted in a movement for the reported account.</p> <p>If no activity occurred for the reported account during the pre-agreed account reporting period, no Entry blocks will be returned.</p>
Transaction Reference	Payment transaction or Liquidity transfer reference	BkToCstmrStmt/Stmt/Ntry/NtryRef	Yes	<p>This the Transaction Identification of the reported Instant <u>Payment or cross-currency Instant Payment</u> Transaction or Liquidity Transfer.</p>

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Field Name	Description	XML path	Mand.	TIPS Usage
Bank Transaction Code Family	Family of the Bank Transaction Code.	BkToCstmrStm/Stmt/Ntry/BkTxCd/Domn/Fmly/Cd	Yes	<p>Allowed values depend on the type of reported payment:</p> <ul style="list-style-type: none"> - ICDT: Debited Liquidity Transfers (for Outbound and intra-service LTs⁹) - RCDT: Credited Liquidity Transfers (for Inbound and intra-service LTs¹⁰) - IRCT: Debited Instant Payment <u>or cross-currency Instant Payment Transaction</u> - RRCT: Credited Instant Payment <u>or cross-currency Instant Payment Transaction</u>
[...]	[...]	[...]	[...]	[...]
Transaction Originator BIC	BIC of the Originator Participant of the transaction	BkToCstmrStm/Stmt/Ntry/NtryDtIs/TxDtIs/RltdAgts/DbtrAgt/FinInstnId/BICFI	Yes	<p>It contains:</p> <ul style="list-style-type: none"> - The Originator BIC in case of an Instant Payment Transaction <u>or Debtor Agent BIC in case of an outgoing cross-currency Instant Payment Transaction</u>; - The Debtor BIC in case of a Liquidity Transfer Order; - The Entry PSP BIC in case of an <u>incoming cross-currency Instant Payment Transaction</u>

⁹ Intra-service LT where the debited account is a TIPS DCA and the credited account is a TIPS AS Technical Account.

¹⁰ Intra-service LT where the credited account is a TIPS DCA and the debited account is a TIPS AS Technical Account.

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Field Name	Description	XML path	Mand.	TIPS Usage
Transaction Beneficiary BIC	BIC of the Beneficiary Participant of the transaction	BkToCstmrStmnt/Stmnt/Ntry/NtryDtIs/TxDtIs/RltdAgts/CdtrAgt/FinInstnId/BICFI	Yes	<p>It contains:</p> <ul style="list-style-type: none"> - The Beneficiary BIC in case of an Instant Payment Transaction or <u>Creditor Agent BIC in case of an incoming cross-currency Instant Payment Transaction;</u> - The Creditor BIC in case of a Liquidity Transfer Order; - The Exit PSP BIC for an outgoing <u>cross-currency Instant Payment Transaction</u>

26) § 4.1 Business Rules

Business process	BR Name	Check ID	Input Fields and parameters	Business check	Error codes	Error Description
[...]	[...]	[...]	[...]	[...]	[...]	[...]
<u>Instant Payment transaction business process</u>	<u>Creditor authorised for Cross-currency</u>	0000011	<u>Creditor Agent</u>	<p><u>In case of an incoming cross-currency transaction, the system verifies that the Creditor Agent has the Cross-currency Flag set to "True".</u> <u>In case of an outgoing cross-currency transaction, the system verifies that the Leg Exit PSP has the Cross-currency Flag set to "True".</u></p>	<p><u>If the check is not respected:</u> - error code CNOR</p>	<p><u>Creditor not authorised to receive cross-currency transactions.</u></p>
[...]	[...]	[...]	[...]	[...]	[...]	[...]

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1) § 1.3.3.1 Data model of the component

The following diagram shows the conceptual data model for Cash Account Data Management.

The diagram will include Cross-currency: Boolean as attribute in the Authorised Account User entity.

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2) § 1.4.4.2 Structure

TABLE 1 – TIPS DIRECTORY STRUCTURE

O/M	FIELD No.	FIELD NAME	FORMAT	DESCRIPTION
[...]	[...]	[...]	[...]	[...]
<u>M</u>	<u>10</u>	<u>Cross-currency</u>	<u>BOOLEAN</u>	<u>Flag that specifies whether the Authorised Account User BIC is authorised to accept cross-currency payments for the associated TIPS Account, TIPS AS Technical Account or CMB in TIPS</u>

3) § 4.5.3.36 Authorised Account User

- Record Type: “Authorised Account User”

The record is used to define Authorised Account Users for a Cash Account.

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
[...]	[...]	[...]	[...]	[...]	[...]	[...]	[...]
<u>9</u>	<u>!</u>	<u>Cross-currency</u>	<u>BOOLEAN</u>	<u>Flag that specifies whether the Authorised Account User BIC is authorised to accept cross-currency payments for the Cash Account number in TIPS or not.</u>		<u>This field is mandatory if the Cash Account type is TIPS Account, TIPS AS Technical Account or TIPS CMB.</u>	<u>0..1</u>

4) § 1.3.3.3 Description of the entities

1. Cash Account

The following footnote has been amended:

⁴⁸ For each Authorised Account User related to T2 accounts a period of validity and a participation type must be specified. Available participation types are: Direct, Indirect, Multi Addressee (Branch of Direct Participant or Credit Institution), Addressable BIC (Correspondent or Branch of Direct Participant). For accounts in RTGS, exclusion rules may also be defined to prevent the related BIC(s) from being included in the RTGS directory. For Multi-Addressee and Addressable BIC participation, the BIC(s) may also be specified by using wildcard characters. Optionally, for Authorised Account User related to TIPS Accounts or TIPS CMB, a Maximum IP Amount can be defined as well as a cross-currency flag to accept cross-currency payments.

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1) § 2.3.1.9 TIPS Directory – Search/List Screen

[...]

TIPS Directory - List	
[...]	[...]
<u>Cross-currency</u>	<u>Shows whether the Authorised Account User BIC is authorised to accept cross-currency payments for the associated Cash Account.</u>

2) § 2.3.2.6 Authorised Account User – Search/list Screen

[...]

Screenshot Illustration 1: Authorised Account User – search/list screen will include the Cross-currency flag as search criteria.

Fields

Description

Authorised Account User - Search Criteria	
[...]	[...]
<u>Cross-currency</u>	<u>Select whether to search only Authorised Account Users authorised to accept cross-currency payments for the associated Cash Account.</u>

Authorised Account User - List	
[...]	[...]
<u>Cross-currency</u>	<u>Shows whether the Authorised Account User is authorised to accept cross-currency payments for the associated Cash Account.</u>

3) § 2.3.2.7 Authorised Account User – New/Edit Screen

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[...]

Screenshot Illustration 2: Authorised Account User – new/edit screen will include the Cross-currency flag.

Fields Description

Authorised Account User	
[...]	[...]
Cash Account Number	<p>Enter or select the unique number of the related Cash Account object.</p> <p>This field accepts only cash accounts of the following type:</p> <ul style="list-style-type: none"> TIPS Account TIPS Ancillary System Technical Account TIPS Credit Memorandum Balance Main Cash Account CLM Central Bank Account Central Bank ECB Account ECB Mirror Account CLM Dedicated Transit Account for T2S CLM Dedicated Transit Account for RTGS CLM Dedicated Transit Account for TIPS RTGS Dedicated Cash Account Ancillary System Guarantee Funds Account AS Technical Account RTGS Central Bank Account RTGS Dedicated Transit Account <p>Reference for error message []:</p> <ul style="list-style-type: none"> DCC2002 DCC2013 DCU2002 DCU2012 <p>This field is mandatory in create mode.</p> <p>The field is read-only in edit mode.</p> <p>Required format is: max 34x characters.</p>

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[...]	[...]
<u>Cross-currency</u>	<p>Select whether to set the Authorised Account User to accept cross-currency payments in TIPS for the associated Cash Account.</p> <p>The behaviour of this field depends on the chosen Cash Account.</p> <p>It is enabled when (i) Cash Account is inserted and (ii) if it is a TIPS Account, TIPS AS Technical Account, or a TIPS CMB.</p> <p>The content is blanked when the cash account content changes.</p> <p>The field is disabled if the chosen Cash Account is different from TIPS Account, TIPS AS Technical Account, and TIPS CMB.</p> <p>Reference for error message []:</p> <ul style="list-style-type: none"> DCC2013 DCU2012

Buttons

Submit	<p>This function enables the user to create or edit an Authorised Account User according to the information filled in the fields.</p> <p>Reference for error message []:</p> <ul style="list-style-type: none"> DCC2001 DCC2002 DCC2003 DCC2004 DCC2005 DCC2006 DCC2007 DCC2008 DCC2009 DCC2010 DCC2011 DCC2013

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	<ul style="list-style-type: none"> DCU2001 DCU2002 DCU2003 DCU2004 DCU2005 DCU2006 DCU2007 DCU2008 DCU2009 DCU2010 DCU2012
[...]	[...]

4) § 4.3.2.12 Authorised Account User – New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
[...]	[...]	[...]	[...]
<u>DCC2013</u>	<ul style="list-style-type: none"> <u>Cash Account number field</u> <u>Cross-currency</u> <u>Submit button</u> 	<u>Invalid use of Cross-currency</u>	<u>Cross-currency can only be set and is mandatory for TIPS Accounts, TIPS AS Technical Accounts and TIPS CMBs. Otherwise the field is not used.</u>
[...]	[...]	[...]	[...]
<u>DCU2012</u>	<ul style="list-style-type: none"> <u>Cash Account number field</u> <u>Cross-currency</u> <u>Submit button</u> 	<u>Invalid use of Cross-currency</u>	<u>Cross-currency can only be set and is mandatory for TIPS Accounts, TIPS AS Technical Accounts and TIPS CMBs. Otherwise the field is not used.</u>

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High level description of Impact:

The change request aims at introducing in TIPS the a cross-currency settlement model based on OCT Inst scheme. The model implemented relies on a subset of core functions, such as settlement and investigation, for which a dedicated super-set of XSDs has been designed, following the principles of OCT Inst IGs.

Impacts on other projects and products:

No impact is foreseen on other TARGET Services:

- T2: no impact
- ECMS: no impact
- T2S: no impact

Outcome/Decisions:

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L3 analysis - General Information	
Impact on TIPS	
Business Interface	
X	A2A Interface
	U2A Interface
Settlement Engine	
X	Payment Transaction
	Liquidity Transfer
	Recall
Queries and Reports	
X	Queries
X	Reports
Other functions	
	Local Reference Data Management
X	Statistics
	Complex Queries and Reports
	Mobile Proxy Look-up
Common Components	
X	ESMIG
X	CRDM
	Archiving
	Billing
X	DMT
Operational Tools	
	SLA Reporting

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	TMS	
	Technical Monitoring	
	Change Management	
	Capacity Management	
Infrastructure request		
	Application components impacted	
	Application components not impacted	
Operational activities		
	Business activities impacted	
	Technical activities impacted	
New functionalities		
	Enhanced Information Database (EIDB)	
Impact on documentation		
Document	Chapter	Change
TIPS UDFS	1.1 Introduction to the TIPS Service	Update of the description on the Instant Settlement services provided.
	1.3.2.1 TIPS Accounts	Update of the description on TIPS accounts.
	1.3.2.5 Reference data for accounts and CMBs in TIPS	Update of Table 7 - Authorised Account User reference data to include the Cross-currency attribute.
	1.4 Dynamic data model	Update of Figure 5 – Dynamic data model to include the Cross-currency flag in the Authorised Account User entity.
	1.4.1 Payment Transaction	Update of Table 8 – Payment Transaction Data to include cross-currency Transaction data.
	1.5.1 General concepts	Update of the description on the processed instructions.

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	<p>1.5.2 Settlement of Instant Payment transactions</p> <p>1.5.2.1 Instant Payment transaction settlement process (with reservation of funds)</p> <p>1.5.2.4 Investigation process</p> <p>1.7.1 Service configuration</p> <p>2.2.4 Instant Payment (cross-currency settlement service)</p> <p>2.4 Investigation</p> <p>3.2.3. Supported Character Set</p> <p>3.3.1 List of messages</p> <p>New section FIToFICustomerCreditTransfer (pacs.008.001.08)</p> <p>New section FIToFIPaymentStatusReport (pacs.002.001.10)</p> <p>New section FIToFIPaymentStatusRequest (pacs.028.001.03)</p>	<p>Update of Table 14 – TIPS Payment transaction types to include the cross-currency settlement service.</p> <p>Update of the description on transaction flows to include the Instant Payment transaction flow for cross-currency</p> <p>Update of the description on the investigation process</p> <p>Update of the description on system parameters to include cross-currency payments. Update of the maximum amount in Table 75 – System Parameters.</p> <p>Introduction of a new section on Instant payments based on the cross-currency settlement service with the inclusion of:</p> <ul style="list-style-type: none"> • Instant Payment transaction flow for cross-currency. • Timeout scenario for missing/delayed Beneficiary-side answer and corresponding steps. • Examples including a whole successful cross-currency transaction scenario as well as error scenarios. <p>Update of the description on the Investigation process to include the cross-currency time-out logic. Update of Table 84 – Investigation steps to include cross-currency messages.</p> <p>Update of the character set for the cross-currency settlement service .</p> <p>Creation of a new message table for cross-currency settlement service .</p> <p>New section for the cross-currency pacs.008 message specifications.</p> <p>New section for the cross-currency pacs.002 message specifications.</p> <p>New section for the cross-currency pacs.028 message specifications.</p>
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	<p>3.3.2.2.12 BankToCustomerStatement (camt.053.001.06)</p> <p>3.3.2.2.3 GetTransaction (camt.005.001.07)</p> <p>3.3.2.2.4 ReturnTransaction (camt.006.001.07)</p> <p>Statistics</p>	<p>Changes for the management of cross-currency transactions.</p> <p>Changes for the management of cross-currency transactions.</p> <p>Changes for the management of cross-currency transactions.</p> <p>The cross-currency transactions shall not be counted in the existing statistical framework, regardless of the currency.</p>
TIPS UHB		
Training documentation	Training documentation related to the settlement models	Cross-currency settlement service to be added.
Other documents	<p>MyStandards for TIPS</p> <p>MyStandards UGs for pacs.008, pacs.002 and pacs.028.</p> <p>MyStandards UGs for camt.053.</p> <p>CRDM UDFS</p> <p>CRDM UDFS – 1.3.3.1 Cash Account data management</p> <p>CRDM UDFS – 1.3.3.3 Description of the entities – 1. Cash Account</p> <p>CRDM UDFS – 1.4.4.2 Structure</p> <p>CRDM UDFS – 4.5.3.36 Authorised Account User</p> <p>CRDM UHB</p> <p>CRDM UHB – 2.3.1.9 TIPS Directory – Search/List Screen</p>	<p>New UGs to be created for the cross-currency settlement service related to the Super Set XSD.</p> <p>UGs to be updated with annotations (editorial changes) in order to specify the behaviour for cross-currency transactions.</p> <p>Update of the diagram on the conceptual data model for Cash Account Management to include the Cross-currency flag in the Authorised Account User entity.</p> <p>Update of the footnote 48</p> <p>Update of Table 121 – TIPS Directory Structure to include the Boolean attribute Cross-currency.</p> <p>Update of the Record Type: Authorised Account User.</p> <p>Update of the TIPS Directory – List to include the cross-currency attribute.</p>

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	<p>CRDM UHB – 2.3.2.6 Authorised Account User – Search/List Screen</p> <p>CRDM UHB – 2.3.2.7 Authorised Account User – New/Edit Screen</p> <p>CRDM UHB – 4.3.2.12 Authorised Account User – New/Edit Screen</p> <p>CoCo IDFS</p> <p>IDFS_BdI_CRDM-DIR_TIPS_Directory</p> <p>Screen Documentation CRDM TIPS Directory</p> <p>IDFS_BdI_CRDM_CSA_CREA-02</p> <p>IDFS_BdI_CRDM-CSA-UPD-02</p> <p>Screen Documentation CRDM Authorised Account User</p> <p>IDFS_BdI_ALL-EXT_Data Extraction for TIPS</p> <p>MEPT</p>	<p>Update of Illustration 53: Authorised Account User – Search/List screen; Inclusion of the Cross-currency flag as search criteria and as a listed attribute.</p> <p>Update of Illustration 54: Authorised Account User – New/Edit Screen; Update of the Authorised Account User fields description.</p> <p>Inclusion of business rules DCC2013 and DCU2012.</p> <p>Update of the TIPS Directory generation to include the Cross-currency flag.</p> <p>Update of the TIPS Directory Search/List Screen to include the Cross-currency flag.</p> <p>Update of the Inputs/Outputs flows of the Create Authorised Account User function and introduction of business rule B-CRDM-CSA-CRE-02-0013</p> <p>Update of the Inputs/Outputs flows of the Update Authorised Account User function and introduction of business rule B-CRDM-CSA-UPD-02-0012</p> <p>Update of Authorised Account User – Search/List Screen and New/Edit Screen</p> <p>Update of the principles for the extraction of TIPS data to include the Cross-currency attribute in the Authorised Account User table.</p> <p>MEPT documentation shall be updated to convey the information about the new introduced messages types</p>
<p>Impacted GDPR message / screen fields</p>	<p>n/a</p>	<p>n/a</p>

Overview of the impact of the request on TIPS (L2 view)

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

Summary of functional impact:

Assumptions underlying the CR Detailed Assessment

1. **Usage Rules.** All applicable EOLO Usage Rules contained in the OCT Inst IGs will be reported in the TIPS MyStandards UGs and in the tables contained in the chapter 3 of the TIPS UDFS. Anyway, at application level only a subset of these rules will be implemented in TIPS as additional technical validations, which cause a rejection of the message with error code "MS01" in case of the failure of the check: these are the rules strictly needed for the processing of the cross-currency transactions. For all the others (highlighted with the sentence "Only schema validation is performed" in the chapter 3 of the TIPS UDFS) any compliance check is delegated at PSP level.
2. **Reports and queries.** Regarding the customer report camt.053 Statement of Account and queries (payment transaction status query, U2A via GUI and A2A via camt.005/006), the cross-currency transactions will be managed as any other euro and non-euro IP transactions, thus with the same set of reported fields.
3. **Billing.** Considering the absence of any requirement about how to bill cross-currency transactions, the assumption made is that the current TIPS Pricing Policy for Settled and Unsettled Instant Payment transactions applies. Therefore, it is expected that each cross-currency transaction leg will be treated as a regular domestic instant payment from Billing point of view. No changes are foreseen either on the STSI-BILL component (and thus on Billing) or on SLA Reporting.
4. **Check at application level (instead of at XSD level) for the Euro currency.** This requirement will be implemented through a consistency check between the currency present in the message and that of the account held by the relevant actors (i.e, Debtor Agent and Leg Exit PSP for Outgoing cross-currency transactions, Leg Entry PSP and Creditor Agent for Incoming cross-currency transactions). If the BIC is authorised for multiple currencies, TIPS will allow cross-border transactions involving those currencies on the debtor/creditor side.
5. **Statistical indicator for cross-currency transactions.** In absence of requirements about, no statistical indicators will be implemented for cross-currency transactions. Anyway, cross-currency transactions should be clearly marked in order to be excluded from the statistical indicators already foreseen for euro e non-euro currencies. Likewise, the statistical indicators, also the Enhanced Information Database (EIDB) shall not be fed with aggregated data stemming from cross-currency transactions. No changes are foreseen to the TIPS Dashboard.

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The purpose of this CR is to support a new settlement service for the management of cross-currency/cross-border transactions in TIPS for the Inter-PSP Space. This would, in principle, be based on the EPC OCT Inst Rulebook and Implementation Guidelines, albeit with some deviations in order to mitigate some of the constraints that make the current version of the EPC OCT Inst scheme not efficient for its implementation in TIPS.

The scheme supports both incoming and outgoing cross-currency transactions from the perspective of a Payee and a Payer respectively, for which at least one of the interested PSPs at Debtor and Creditor sides own an account (DCA or ASTA) in TIPS.

An end-to-end cross-currency transaction is composed by two separate legs: two separate and independent Instant Payments which take place respectively in the currencies of the origin and of the destination leg. The execution of a cross-currency transaction involves in general the services of a Leg Entry PSP for Incoming cross-currency transactions, acting on behalf of debtor for the destination leg of the cross-currency transaction, and of a Leg Exit PSP for Outgoing cross-currency transactions, acting on behalf of creditor for the originator leg of the cross-currency transaction.

In detail, the actors involved in a cross-currency transaction are:

- *The Originator Participant*, starting the cross-currency payment in the originator leg;
- *The Beneficiary Participant*, receiving the request and either confirming or rejecting the cross-currency payment in the destination leg;
- *Leg Entry/Exit PSP*: according to the direction of a payment (Incoming or Outgoing), the cross-currency PSP acting as intermediary in the settlement from one leg to the other may be denoted differently. In case of:
 - o Outgoing transaction: it acts as Beneficiary in the originator leg. It is identified by either the 'Instructed Agent' BIC in case it is a direct CSM participant, or the 'Intermediary Agent 1' BIC in the pacs.008 message;
 - o Incoming transaction, it acts as Originator in the destination leg. It is identified by either the 'Instructing Agent' BIC in case it is a direct CSM participant or the last 'Previous Instructing Agent 1' BIC, that is the agent immediately prior to the Instructing Agent in the chain.

As for the Instant Payment transaction steps for cross-currency, once TIPS receives the request of instructing a cross-currency Instant Payment originated by the payment initiator, denoted as Originator Participant in the originator leg and Leg Entry PSP in the destination leg, TIPS performs in step 2 of the Instant Payment transaction flow for cross-currency an additional check with respect to the regular flow foreseen for SCT Inst transactions that is verifying whether the Beneficiary Participant (in case of an incoming payment) or the Leg Exit PSP (in case of an outgoing scenario) is authorised to accept cross-currency payments. This led to the introduction of a new TIPS Business rule "Creditor authorised for Cross-currency". The verification of the Cross-currency flag set to 'True' will be checked only in step 2 of the cross-currency settlement flow, therefore any other amendment of the Cross-currency flag value for the Creditor Agent/Instructed Agent that will happen after step 2 will not affect that payment transaction. Moreover, TIPS infers the account to be debited and credited based on the assumptions mentioned above, that is, by retrieving the corresponding BICs from the Instructed Agent/Intermediary Agent 1 and Instructing Agent/Previous Instructing Agent message fields.

Regarding the Beneficiary Reply, the same SCT Inst transaction mechanism is foreseen for cross-currency payments always taking into account the direction of the payment.

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As for the Investigation Request, the same logic foreseen for SCT Inst applies to the cross-currency scenario including those payments not involving the Euro Leg where TIPS responds to an investigation request when the time-out period for a cross-currency Instant Payment transaction is elapsed by a more than 5 seconds. The investigation is allowed for actors operating on Debtor side (namely, the Debtor Agent for an Outgoing cross-currency IP and the Leg Entry PSP for an Incoming cross-currency IP).

Differently from EPC OCT Inst scheme implementation guidelines, the settlement model for cross-currency transactions for TIPS foresees the following features:

1. *Implementation of a minimum set of core functions*, which includes Instant Payment flow (i.e. pacs.008 and pacs.002) and Investigation (i.e. pacs.028). This minimum set of functionality is considered as the first building block for the creation of a cross-currency settlement service cross-currency settlement service in TIPS and it will take into account the system parameters defined for the SCT Inst scheme. In case, the need of a recall or a return of fund would materialise, a new pacs.008 may be used as a contingency measure instead of the pacs.004. Further functionalities would be implemented via a new separate TIPS CR according to the current stepped approach.
2. *Creation of a super-set of XSDs*, based on those defined in the context of the OCT Inst scheme, for each message used in the above-mentioned core functions, covering both Incoming and Outgoing directions; such superset would be used for both euro and non-euro transactions (e.g. for SEK to DKK transactions). For each message belonging to the defined set of core functions, a new Usage Guideline in MyStandards named with the suffix "XCY" will be created, with a dedicated example. The schema has been customised in order to allow the successful schema validation of message instance for both Incoming and Outgoing cross-currency transactions, implementing at application level all the necessary checks. Dedicated sections of chapter of the TIPS UDFS will describe in details the fields and the usage rules applied. In particular, as mentioned before and following the EPC OCT Inst IGs, the agents involved in the chain, in particular the BIC of the Leg Entry and Exit PSPs, are positioned in the messages in different xml tags depending on the direction of the payment, thus depending if the payment under analysis is an Incoming or an Outbound one. This requires the implementation of complex rules for the identification of agents and the need to clearly mark a cross-currency payment as Outgoing or Incoming in the message payload. Considering that the EPC OCT Inst IGs does not prescribe any indication about the latter, a solution in use in many scenarios for interlinking of Payment System has been chosen. The pacs.008 tag used to specify the Clearing System Code (FIToFICstmrCdtTrf/GrpHdr/SttlmInf/ClrSys/Cd) should be populated with the ISO code "TGT" (TARGET) in case the payment is meant for Outgoing direction. In Incoming direction, either (i) any other code besides "TGT" can be used or (ii) the Clearing System block can be skipped (it is optional). With this approach, TIPS will be able to distinguish between the Outgoing and the Incoming cross-currency transactions, applying the correct Usage Rules depending on the direction. All applicable EOLO Usage Rules contained in the OCT Inst IGs will be reported in the MyStandards UGs and in the tables contained in the chapter 3 of the TIPS UDFS. Anyway, as for the *Assumption 1* on the Usage Rules, in order to allow the implementation and the go-live of this CR in the expected timeline, only a subset of these rules will be implemented in TIPS as additional technical validations at application level, which would cause a rejection of the message with error code "MS01" in case of the failure of the

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check: these are the rules strictly needed for the processing of the cross-currency transactions. For all the others (highlighted with the sentence “Only schema validation is performed” in the chapter 3 of the TIPS UDFS) any compliance check is delegated at PSP level.

3. *Implementation of a check at application level* (instead of at XSD level) for the Euro currency, in line with the OLO Usage rule. As for the *Assumption 4*, this requirement will be implemented through a consistency check between the currency present in the message and the currency denomination of the accounts held by the relevant actors (Debtor Agent and Leg Exit PSP for Outgoing cross-currency transactions, Leg Entry PSP and Creditor Agent for Incoming cross-currency transactions). If the BIC is authorised for multiple currencies, TIPS will allow cross-border transactions involving those currencies on the debtor/creditor side.

TIPS uses the couple (Transaction Identification; Debtor Agent BIC) in order to uniquely identify an Instant Payment Transaction. This approach will be applied also for Outgoing and Incoming cross-currency transactions. In particular, for Incoming ones, a BIC for the identification of the Debtor Agent will be required by TIPS. This approach, needed in order to allow the execution of the duplicate check, is also in line with the requirement #8 contained in the G20 CPML report “*Harmonised ISO 20022 data requirements for enhancing cross-border payments*”.

In order to allow the usage of the service for the settlement of cross-currency transactions not involving the EUR currency, some mandatory specificities that are coming from the Nordic Payment Council flavor of the messages (already supported in TIPS within the RIX-Inst component) have been introduced in the MyStandards UGs. In particular, no limitation on the characters allowed has been imposed for the field End to End Identification in pacs.008, pacs.002 and pacs.028.

Among the tasks of the Leg Entry/Exit PSP there is the need to carry out all the necessary actions in order to manage the corresponding leg of the cross-currency transaction in the Payment System that is accountable for managing the liquidity and the related accounts. For example, the Leg Exit PSP should instantly transmit the cross-currency outgoing transaction to the Payee’s FI according to the stipulations of an Instant Payment System (directly or indirectly) commonly used by both. In case the destination currency is managed by TIPS and the Creditor Agent is a direct or indirect TIPS Participant/Reachable Party owning an account in TIPS, also the destination leg of the cross-currency transaction can be submitted to TIPS.

In this case, the Leg Entry PSP shall perform the following changes to the pacs.008 message received from the Leg Exit PSP before its injection towards TIPS in the Incoming direction (for the destination currency):

- 1) removing of the Clearing System Code “TGT” from the field FIToFICstmrCdtTrf/GrpHdr/SttlmInf/ClrSys/Cd;
- 2) swap the position of amounts in the message. Due to the fact that the Interbank Settlement Amount is considered as the amount to be transferred between the instructing agent and the instructed agent, then this amount represents the amount related to the cross-currency transaction leg under interest. This means that in case of Incoming cross-currency transaction, then the Interbank Settlement Amount (FIToFICstmrCdtTrf/CdtTrfTxInf/IntrBkSttlmAmt) should contain the amount in the destination currency while the Instructed Amount (FIToFICstmrCdtTrf/CdtTrfTxInf/InstdAmt) should contain the amount in the source currency.

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The field Total Interbank Settlement Amount (FIToFICstmrCdtTrf/GrpHdr/TtlIntrBkSttlmAmt) should be updated accordingly;

3) generate a new Transaction ID for the Incoming leg, in order to avoid rejection for duplicate check. In this regard, the OCT Inst IGs report that the Transaction ID "is to be delivered unaltered" in the payment chain. In addition, considering that the pacs.002 only reports the Debtor Agent as yellow core field and that also the Debtor Agent is considered not to be altered in the payment chain, following the EPC OCT Inst IGs the couple Debtor Agent and Transaction ID should not be changed over the entire payment chain. This is not an issue for the duplicate check in case the two legs of the cross-currency transactions are managed by different Payment Systems (the assumption made by the EPC, which regulates only the EUR leg), but it represents an issue in those cases where the same Payment System is able to manage both legs, e.g. TIPS.

In order to overcome this issue, the Leg Entry PSP should generate a different Transaction ID before the forwarding to TIPS of the second leg of the cross-currency transaction. The E2E reconciliation can still be performed using the End To End Identification (a mandatory yellow core field) or the UETR (an optional yellow core field).

Regarding the customer report camt.053 Statement of Account and queries (payment transaction status query, U2A via GUI and A2A via camt.005/006), the cross-currency transactions will be managed as any other euro and non-euro IP transactions, thus with the same set of reported fields, as mentioned in the *Assumption 2*. In order to allow the implementation and the go-live of this CR in the expected timeline, no additional field will be reported neither in the GUI nor in the referred A2A messages:

- a) for (i) the Creditor Agent for Outgoing cross-currency transactions and (ii) the Debtor Agent for Incoming cross-currency transactions. The field Creditor Agent in the case (i) will contain the Leg Exit PSP BIC while the field Debtor Agent in case (ii) will contain the Leg Entry PSP BIC. The focus will thus be on the transaction leg under analysis;
- b) no additional fields characteristic of cross-currency transactions (thus not included in SCT Inst and NCT Inst schemes) will be reported, as for example for the transaction amount in the other leg (with the related currency) or the exchange rate;
- c) no changes will be implemented in the GUI for the labels involved in the previous point a).

As for *Assumption 5*, the cross-currency transactions should not be counted in the existing statistical indicators for euro e non-euro currencies. For this reason, any transaction containing the Scheme Identification Code (FIToFICstmrCdtTrf/GrpHdr/PmtTpInf/SvcLvl/Cd and/or FIToFICstmrCdtTrf/GrpHdr/PmtTpInf/LclInstrm/Cd) filled with value "EOLO" should be marked as cross-currency transactions and thus excluded from the already existing statistical indicators. The following additional fields should be stored in TIPS for future purposes:

- Currency in the current leg (FIToFICstmrCdtTrf/CdtTrfTxInf/IntrBkSttlmAmt@Ccy);
- Currency in the other leg (FIToFICstmrCdtTrf/CdtTrfTxInf/InstAmt/@Ccy).

Regarding the possible measures to make the timeout condition optional for OCT Inst payments and provide more flexibility, in the future, on specific cross-currency corridors, it will not be implemented in this CR in order to allow

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its go-live of this CR in the expected timeline. In case requested by the market, dedicated solutions will be implemented via a new TIPS CR.

Message Exchange Protocol for TIPS (MEPT)

The new XSDs created for the cross-currency transactions are in line with the ISO MR2019 and they share the same message type and version of the messages dedicated to the euro and non-euro communities already supported by TIPS (e.g. pacs.008 V08 for SCT Inst, pacs.008 V08 for non-EURO and pacs.008 V08 for cross-currency). Therefore, a new suffix value for the existing MsgType MEPT property shall be introduced in order to clearly mark any cross-currency related message, in line with the solution foreseen in the TIPS CR0052, as described in the following example:

- MsgType=pacs.008.001.08.**XC**Y for cross-currency instant payment message
- MsgType=pacs.002.001.10.**XC**Y for cross-currency positive/negative confirmation
- MsgType=pacs.028.001.03.**XC**Y for cross-currency investigation

In case the suffix is not added or it does not match with a supported value, the message will be rejected with parsing error (X001) as it happens today for EURO and non-EURO communities.

CRDM

The new cross-currency settlement mechanism also introduces changes on the Common Reference Data Management (CRDM) side, in particular on the CRDM UDFS and CRDM UHB.

The process flow demanded by the new functionality shall be available on an optional basis. This entails that PSPs would have to explicitly express their readiness to accept such transactions. In this regard, the TIPS Directory shall be enriched in order to show which PSPs are willing to receive and process cross-currency transactions. The enrichment will exploit a new configuration at Authorised Account User level where each actor may decide, by means of a dedicated "Cross-currency" boolean flag, whether any given BIC is willing to accept or not any cross-currency payments in TIPS. The default value for this new flag shall be 'false' for all the new and existing entries. Such a configuration has the advantage that each actor may decide on which account(s)/position(s) the reception of cross-currency payments shall be enabled.

In case a cross-currency transaction is addressed to a PSP that does not process such transactions, TIPS will notify the Originator PSP, with the reason code CNOR. However, it shall be noted that the CNOR reason code is used currently in TIPS to identify a variety of errors due to lack of configuration on the crediting side, e.g. when there is no AAU for the Creditor Agent captured in CRDM. The same logic described applies to cross-currency as well, resulting in two error conditions sharing the same code, namely:

- Missing configuration for the PSP agent on creditor side, so Leg Exit PSP for Outgoing cross-currency transactions and Debtor Agent for (e.g. missing DN-BIC routing or missing/expired AAU)

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- Attempt to send a cross-currency transaction to a PSP that does not support cross-currency processing (i.e. that set the flag=false in its AAU).

It needs to be noted that while for the SCT Inst payments, in the TIPS Directory the PSPs can specify the amount they are willing to accept (reminder: the default value is the maximum amount defined by the SCT Inst scheme rulebook. Other values could be an unlimited amount or any other amount above the SCT Inst scheme rulebook defined maximum amount), for the cross-currency payments, no maximum amount is necessary, considering that the one already defined for EUR applies (thus there is no need to change the TIPS Directory on this aspect). New Business Rules will be implemented regarding the cross-currency flag.

In addition, the Data Migration Tool (DMT) functionality related to the Authorised Account will be updated for the management of the new flag.

As result, CRDM Screens related to the TIPS Directory and the AAU, the DMT and the linked CRDM Back End processes and data model should be updated.

BILL

Considering the absence of requirements about how to bill cross-currency transactions, the assumption made is that the current TIPS Pricing Policy for Settled and Unsettled IP is applied.

This means that each cross-currency leg shall be subject to the following service items:

- 3001 Settled Instant Payment transaction – Debtor
- 3005 Settled Instant Payment transaction – Creditor
- 3002 Unsettled Instant Payment transaction – Debtor
- 3006 Unsettled Instant Payment transaction – Creditor

Using exactly the same selection criteria of the Euro and non-Euro ones, so the ownership of the debited and credited account (the party to be charged is the owner of the TIPS DCA/ACH Technical Account to be debited for the service items 3001 and the 3002, while the party to be charged is the owner of the TIPS DCA/ACH Technical Account to be credited for the service items 3002 and the 3006). Following this approach, no functional impact on BILL is expected.

TIPS Training material

The training material should be updated in order to reflect the new cross-currency settlement service cross-currency settlement service. The update will be performed not in the context of the SDDs related to the CR release, but in a later stage.

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Summary of application development impact:

ESMIG:

- New XSD schema added for pacs.008, pacs.002, camt.053, pacs.028
- The Network adapter MEPT shall include new processing for parsing and syntax checks for incoming pacs.008, pacs.002 and pacs.028.

Message Router:

- Processing of new OCT Inst payment: leg 1 XCY (pacs.008), creation of instance on Operational Database and forwarding of message to beneficiary (exit PSP or domestic PSP) (pacs.008)
- Processing of new OCT Inst payment: leg 2 XCY, confirmation from beneficiary (exit PSP or domestic PSP) (pacs.002)
- Processing of investigation (pacs.028): upgrade to adopt new format of pacs.028 and new format of the reply message pacs.002
- Processing of new OCT Inst payment: settlement confirmation (pacs.002) to the Originator and Beneficiary (Entry/exit PSPs or local PSPs).
- Change of the Operational database (Aerospike) to add "secondary currency" field on Payment table (and further data such as payment direction, to distinguish payment incoming from abroad and payments outgoing).

TIPS Reference Data:

- Change of TIPS Reference data model to add the new flag in VIPSPBIC_BIC_ACCOUNT_LINK

Additional Services:

- Informational database: change in order to keep it aligned to the Operational database.

Testing tool and Contingency Message Application

- New XSD schema added for pacs.008, pacs.002, camt.053, pacs.028
- Processing of the OCT Inst payment request flow (pacs.028) - input to TIPS
- Processing of the OCT Inst payment request flow (pacs.008) - input to TIPS
- Processing of the OCT Inst payment response flow (pacs.002) - input to TIPS
- Processing of the OCT Inst forwarded message (pacs.008) - output from TIPS
- Processing of the OCT Inst payment confirmation (positive or negative) (pacs.002) - output from TIPS
- Update aggregation process for statistical indicators to filter out XCY transactions
- Update the feeding process from Aerospike to Oracle (PAYMENT table) in line with the changes to the Operational database

Update aggregation process from the Oracle PAYMENT table to the Oracle FACT table to filter out XCY transactions

Impacts on CoCos:

- CRDM BE

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- ❖ Data Model → Authorized Account User entity
- ❖ Authorized Account User export
- ❖ Authorized Account User (get with key) (extract list via criteria)
- ❖ Create Authorised Account User + test automation
- ❖ Update Authorised Account User + test automation
- ❖ Data extraction for TIPS directory → sent to CRDM A2A BI
- ❖ Data extraction for TIPS directory → sent to CRDM A2A GUI
- ❖ Data Model → TIRPTBDD_TIPS_BIC_DIR + connected views
- ❖ Data extraction and Data Model uploading (SIRPTBDD)
- CRDM DMT → DMT Creation of an Authorised Account User
- CRDM GUI
 - ❖ Authorised Account User – Search/List screen
 - ❖ Authorised Account User – New screen
 - ❖ Authorised Account User – Edit Screen
 - ❖ TIPS Directory – Search/List screen
 - ❖ screen EXPORT function
 - ❖ screen PRINT function
- CRDM A2A → NO IMPACTS
- CRDM BE Data Propagation to TIPS → Data Model view VIPSPBIC_BIC_ACCOUNT_LINK
- BILL BE
 - ❖ Data Model → Authorized Account User entity
 - ❖ Data Propagation from CRDM BE → Authorized Account User entity and view VIPSPBIC_BIC_ACCOUNT_LINK
- BILL GUI → NO IMPACTS

BILL A2A → NO IMPACTS

Summary of infrastructure impact:

No impact.

Summary of operational impact:

No impact.

Summary of security impact:

See Change Request Analysis.