Change Request form

target | **TIPS**

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<tr><td colspan="3" align="center">General Information (Origin of Request)</td></tr>
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<tr><td colspan="2">Request title: Alignment of TIPS to the 2025 Version of the EPC SCT Inst specifications</td><td>Request ref. no: TIPS-0087-SYS[1]</td></tr>
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Reason for change and expected benefits/business motivation:

The proposed change aims at aligning TIPS specifications to (i) the EPC004-16 / 2025 Version 1.0 of the EPC SCTInst Scheme Rulebook and (ii) the EPC122-16 / 2025 Version 1.0 of the EPC SCTInst Inter-PSP Implementation Guidelines (IG).

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Description of requested change:

TIPS specifications currently take the EPC SCTInst documentation version 1.2 (2023) as reference baseline, as consequence of the TIPS.0052.SYS "Alignment of TIPS to the 2023 SCT Inst and MyStandards migration".

Due to the continuous evolution of the EPC scheme rulebooks, a detailed analysis has been performed by 4CB to highlight potential gaps between the current TIPS specifications and the reference EPC documentation version 2025.

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

- EPC004-16 / 2025 Version 1.0 SCT Inst Scheme Rulebook;
- EPC122-16 / 2025 Version 1.0 SCT Inst Inter-PSP Implementation Guidelines.

The following gaps have been identified:

- Updates stemming from the SCT Inst Scheme Rulebook:
  - New entry-into-force time of the SCT Inst scheme rulebooks at 03:30 CET on 5 October 2025 (not on the third full weekend of November 2025 as in the past);
  - New execution sub-timelines within the prescribed maximum execution timeline of 10 seconds (Art 5a (4) (c), amended SEPA Regulation): the current 10-20-25 seconds timeline will be changed into a 5-7-9 seconds sub-timeline;
  - Only one Recall allowed for a given SCT Inst Transaction during the periods mentioned in the SCT Inst Rulebook. The Originator PSP is not allowed to send another SCT Inst Recall for the same initial SCT Inst Transaction[2];
  - There is no longer a maximum amount stipulated at scheme level[3].

- Main updates stemming from the Inter-PSP Implementation Guidelines:
  - The attribute AT-T056 'Timestamp of the SCT Inst Transaction' to be unambiguous and to include milliseconds. A dedicate pattern introduced for all timestamps not being part of the Original Transaction Reference block of R-messages;
  - Introduction of the possibility for payment end-users to provide an address of the payer and/or of the payee in a hybrid format alongside the already existing possibilities of submitting an address either in a fully structured format or in an unstructured format[4];

o In the Original Message Name field of R-messages, the ISO variant number and version number to become optional (e.g. "pacs.008" is allowed instead of "pacs.008.001.08");

In addition to the above, stemming indirectly from the Implementation Guidelines and in order to remove any remaining gaps on message tags, for R-messages, the yellow message elements under 'Original Transaction Reference' to be populated (then structured in the XSD) with the same value as the message elements of the original instruction, as for the clarification of the dedicated SEPA Usage. Eventual existing gaps in the TIPS message specifications (e.g. the ones mentioned in the PBI000000234349 and in the PBI000000234532) to be covered, if any.

The above updates have an impact on the current processing flows in TIPS, in order to correctly manage the updated schema messages (changes to the XSDs could lead to changes in the processing flow, adding for example additional validations or business rules to be checked.).

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Submitted annexes / related documents:

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Proposed wording for the Change request:

TIPS UDFS R2025.JUN

1) **§ 1.7.1 Service Configuration**

[…]

Note that the system parameters defined for SCT^{Inst} transactions are also valid for <u>both non-Euro and</u> cross<u>-</u>currency payments<u>. with the following exceptions:</u>

- <u>a different *Cross-currency Timestamp Timeout* is defined for cross-currency transactions;</u>

- <u>a different *Investigation Offset* parameter is defined for non-Euro payments in SEK currency and for cross-currency payments.</u>

Table 1 – System Parameters

Parameter name	Description	Default value
[…]		
SCT^{Inst} Timestamp Timeout	The time window foreseen in SCT^{Inst} scheme after which an Instant Payment transaction must be rejected due to timeout. This parameter is expressed in milliseconds.	~~20~~7,000

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[1] XXXX = ECMS /TIPS / CONS, NNNN = 9999, DDDD = URD/UDFS/UHB

[2] This change in the Rulebook (as the one related to the maximum number of Business days for the Beneficiary to answer to a Recall Request – implicit in the sentence "during the periods mentioned in the SCT Inst Rulebook") will not trigger a change in TIPS as it is considered that these requirements have to be respected on the side of the PSPs side for SCT Inst compliance. The detailed assessment will describe this aspect in detail.

[3] It will not imply changes at level of TIPS core engine, only for the TIPS Directory.

[4] Address of the payer and/or of the payee can be in a hybrid format besides the existing possibilities of either a structured or an unstructured format. As of 22 November 2026 (and as of 03h30 CET for the SCT Inst and OCT Inst schemes), unstructured format is no longer allowed. The management of this rule in TIPS will be clarified during the CR Detailed Assessment.
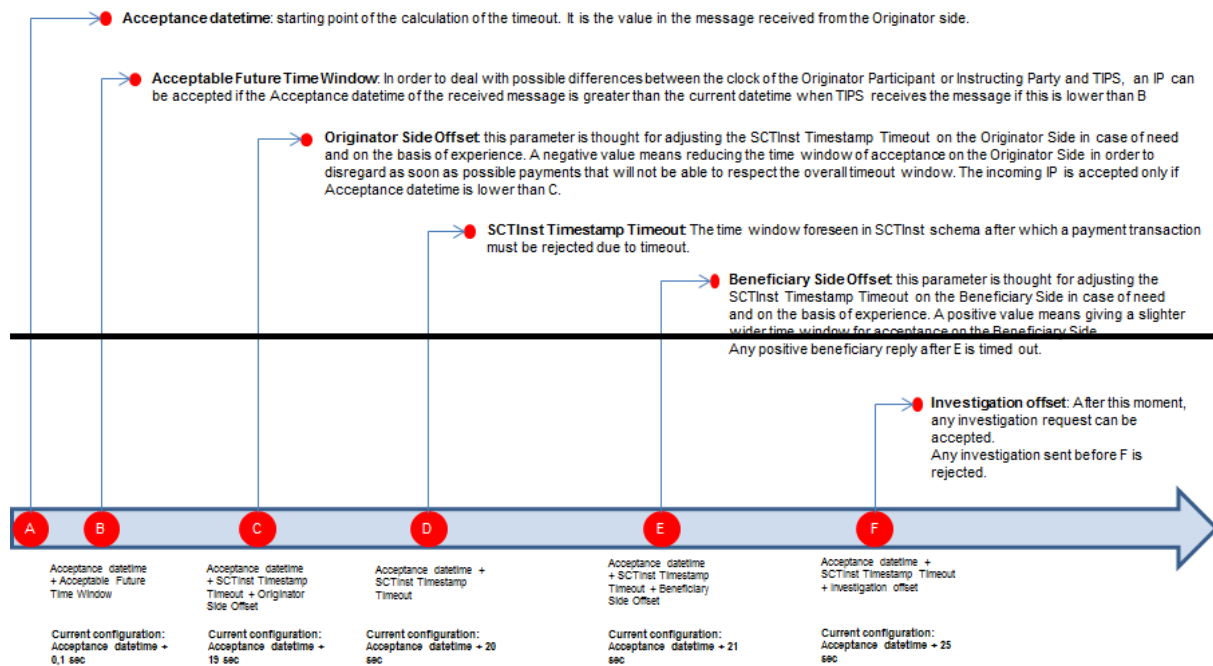
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Parameter name	Description	Default value
<u>Cross-currency Timestamp Timeout</u>	<u>The time window foreseen in cross-currency scheme after which a cross-currency transaction must be rejected due to timeout. This parameter is expressed in milliseconds.</u>	<u>20,000</u>
[…]		
Beneficiary Side Offset	It is a configurable offset for evaluation of the SCT^{Inst} Timestamp Timeout applied to the reception of the message sent by Beneficiary Participant or Instructing Party acting on behalf of the Beneficiary Participant or a Reachable Party. Rejections due to timeout can occur in the event that the Beneficiary Reply message is not received or if it is submitted to TIPS with a timestamp (the SCT^{Inst} timestamp, field AT-T056 in DS-02) that is already past the timeout window (SCT^{Inst} Timestamp Timeout + Beneficiary Side Offset). This parameter is expressed in milliseconds.	~~1~~0,000
Sweeping Timeout	The time window after which the sweeping daemon looks for pending payments for which: (i) a valid and timely confirmation from the Beneficiary Participant has not been received yet and (ii) the SCT^{Inst} Timestamp Timeout is elapsed. The value can impact on the performances of the system and must be changed only after green light received by the technical support. The parameter is expressed in seconds.	~~5~~2
[…]		
Investigation Offset	Configurable offset foreseen in SCT^{Inst} scheme. An Investigation request can be accepted only if it is received after SCT^{Inst} Timestamp Timeout of the Instant Payment transaction + Investigation Offset. This parameter is expressed in milliseconds.	~~5~~2,000
<u>Investigation Offset (cross-currency)</u>	<u>Configurable offset foreseen in the cross-currency scheme. An Investigation request can be accepted only if it is received after Timestamp Timeout of the cross-currency transaction + Investigation Offset (cross-currency).</u> <u>This parameter is expressed in milliseconds.</u>	<u>5,000</u>
Investigation Offset (non-Euro currency)	Configurable offset foreseen in the non-Euro currency scheme. An Investigation request can be accepted only if it is received after <u>Timestamp Timeout</u> of the Instant Payment transaction + Investigation Offset (non-Euro currency). This parameter is expressed in milliseconds and can hold a negative value.	-~~5~~*10,000 (for SEK)* *2,000 (for DKK)*
RTGS Alert	Configurable timeframe after which the TIPS Operator is notified about a missing answer from the RTGS System to an Outbound liquidity transfer. The parameter value is expressed in minutes.	15

In order to properly configure the parameters, the following diagram depicts the meaning of SCT^{Inst} Timestamp Timeout, Originator Side Offset, Beneficiary Side Offset and Investigation Offset in the timeout scenario.

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Figure 1 – Timeout parameters for SCT Inst [to be updated to the new sub-timeline]

Acceptance datetime: starting point of the calculation of the timeout. It is the value in the message received from the Originator side.

Acceptable Future Time Window: In order to deal with possible differences between the clock of the Originator Participant or Instructing Party and TIPS, an IP can be accepted if the Acceptance datetime of the received message is greater than the current datetime when TIPS receives the message if this is lower than B

Originator Side Offset: this parameter is thought for adjusting the SCTInst Timestamp Timeout on the Originator Side in case of need and on the basis of experience. A negative value means reducing the time window of acceptance on the Originator Side in order to disregard as soon as possible payments that will not be able to respect the overall timeout window. The incoming IP is accepted only if Acceptance datetime is lower than C.

SCTInst Timestamp Timeout: The time window foreseen in SCTInst schema after which a payment transaction must be rejected due to timeout.

Beneficiary Side Offset: this parameter is thought for adjusting the SCTInst Timestamp Timeout on the Beneficiary Side in case of need and on the basis of experience. A positive value means giving a slighter wider time window for acceptance on the Beneficiary Side. Any positive beneficiary reply after E is timed out.

Investigation offset: After this moment, any investigation request can be accepted. Any investigation sent before F is rejected.

2) **§ 3.3.2.1.1 FIToFIPaymentStatusReport (pacs.002.001.10)**

[…]

EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
[…]					
n/a	Original Message Name Identification	Message identifier of the originating message. SEPA usage rule: ~~Only pacs.008.001.08 is allowed~~ Must begin with **pacs.008**. The addition of a variant number and version number is optional.	FIToFIPmtStsRpt/Orgnl GrpInfAndSts/OrgnlMsg NmId	Yes	Business cases 1,2,3, 6,10,11[5]: **pacs.008.001.08** ~~or pacs.008.001.02~~ Business cases 4,12: **pacs.002.001.10** Business case 5: **pacs.028.001.03** Business case 7: **camt.056.001.08** Business case 8: **pacs.004.001.09** Business case 9: **camt.029.001.09** SEPA usage rule applicable only to business cases 2, 3

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[5] ~~For all business cases in which the message is generated by TIPS, the Original Message Name Identification in line with the 2019 message version of ISO 20022 is provided. For all the other business cases, the usage of the correct Original Message Name Identification, in relation to the moment in which the original message was sent in reference to the migration date to the 2019 message version of ISO 20022, should be ensured by the actor who sends the message to TIPS: no check on the correspondence of this value with respect to the version of the original message is performed by TIPS.~~

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
[...]					

3) § 3.3.2.1.2 PaymentReturn (pacs.004.001.09)

[…]

EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
[...]					
n/a	Original Group Information + Original Message Name Identification	Specifies the original message name identifier to which the message refers. Must begin with **pacs.008**. The addition of a variant number and version number is optional. Allowed values[6]: **pacs.008.001.08** or **pacs.008.001.02**.	PmtRtr/OrgnlGrpInf/OrgnlMsgNmId	Yes	This information must be present in either 'Original Group Information' or in 'Transaction Information'. If it is included in both components, message will be rejected.
[..]					
n/a	Transaction Information + Original Group Information ++ Original Message Name Identification	Specifies the original message name identifier to which the message refers. Must begin with **pacs.008**. The addition of a variant number and version number is optional. Allowed values[7]: **pacs.008.001.08** or **pacs.008.001.02**.	PmtRtr/TxInf/OrgnlGrpInf/OrgnlMsgNmId	Yes	This information must be present in either 'Original Group Information' or in 'Transaction Information'. If it is included in both components, message will be rejected.
[...]					

4) § 3.3.2.1.3 FIToFICustomerCreditTransfer (pacs.008.001.08)

[…]

EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
[...]					

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[6] The usage of the correct Original Message Name Identification, in relation to the moment in which the original message was sent in reference to the migration date to the 2019 message version of ISO 20022, should be ensured by the actor who generates and sends the message to TIPS: no check on the correspondence of this value with respect to the version of the original message is performed by TIPS.

[7] The usage of the correct Original Message Name Identification, in relation to the moment in which the original message was sent in reference to the migration date to the 2019 message version of ISO 20022, should be ensured by the actor who generates and sends the message to TIPS: no check on the correspondence of this value with respect to the version of the original message is performed by TIPS.

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
AT-T056	Acceptance Timestamp	Timestamp of the SCT^{Inst} Transaction	FIToFICstmrCdtTrf/CdtTrf TxInf/AccptncDtTm	Yes	The Acceptance Timestamp is used as a starting point in time for the Instant Payment transaction processing at Originator PSP level. The Acceptance Timestamp shall be expressed in UTC. ~~The~~Timestamp̲s̲ must be unambiguous and ~~at least~~ include milli̲seconds. The representation of milliseconds must follow the W3C recommendation.
[…]					
n/a	Ultimate Debtor + Identification ++ Organisation Identification	Unique and unambiguous way to identify an organisation.	FIToFICstmrCdtTrf/CdtTrf TxInf/UltmtDbtr/Id/OrgId	Yes	Either 'AnyBIC', 'LEI' and/̲or one occurrence of 'Other' is allowed.
[…]					

					STRUCTURED ADDRESS: Usage is recommended. 'Town Name' and 'Country' are mandatory. 'Address Line' is not allowed. It is recommended to provide as many structured elements as possible. HYBRID ADDRESS: 'Town Name' and 'Country' are mandatory. At least one occurrence of 'Address line' is mandatory. UNSTRUCTURED ADDRESS (As of 22 November 2026 at 03:30 CET only the use of structured and hybrid addresses will be allowed - based on available information at the moment of publication): At least one occurrence of 'Address line' is mandatory. 'Postal Address' sub-elements other than 'Address Line' and 'Country' are forbidden. The use of 'Country' is mandatory when either the Debtor Agent or Creditor Agent is located in a non-EEA SEPA country or territory.
AT-P005	Originator Address	The address of the Originator	FIToFICstmrCdtTrf/CdtTrf TxInf/Dbtr/PstlAdr	No	~~If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is allowed; it is recommended when either the Debtor Agent or Creditor Agent is a non EEA SEPA PSP. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.~~
[...]					

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
n/a	Debtor + Postal Address ++ Address Line	Information that locates and identifies a specific address, as defined by postal services, presented in free format text.	FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/PstlAdr/AdrLine	No	<u>Only schema validation is performed.</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; it is recommended when either the Debtor Agent or Creditor Agent is a non EEA SEPA PSP. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.~~
AT-P004	Originator Identification Code	The Originator identification code	FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/Id	No	Only schema validation is performed.
n/a	Debtor + Identification ++ Organisation Identification	Unique and unambiguous way to identify an organisation	FIToFICstmrCdtTrf/CdtTrfTxInf/Dbtr/Id/OrgId	Yes	Either 'AnyBIC', 'LEI' <u>and</u>/or one occurrence of 'Other' is allowed.
[…]					

					STRUCTURED ADDRESS: Usage is recommended. 'Town Name' and 'Country' are mandatory. 'Address Line' is not allowed. It is recommended to provide as many structured elements as possible. HYBRID ADDRESS: 'Town Name' and 'Country' are mandatory. At least one occurrence of 'Address line' is mandatory. UNSTRUCTURED ADDRESS (As of 22 November 2026 at 03:30 CET only the use of structured and hybrid addresses will be allowed - based on available information at the moment of publication): At least one occurrence of 'Address line' is mandatory. 'Postal Address' sub-elements other than 'Address Line' and 'Country' are forbidden. The use of 'Country' is mandatory when either the Debtor Agent or Creditor Agent is located in a non-EEA SEPA country or territory. ~~If 'Address Line' is used, then 'Postal Address' sub-elements other than 'Country' are forbidden. A combination of 'Address Line' and 'Country' is allowed; it is recommended when either the Debtor Agent or Creditor Agent is a non EEA SEPA PSP. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.~~
AT-E004	Creditor Address	The address of the Beneficiary	FIToFICstmrCdtTrf/CdtTrf TxInf/Cdtr/PstlAdr	No	
[…]					

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EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
n/a	Creditor + Postal Address ++ Address Line	Information that locates and identifies a specific address, as defined by postal services, presented in free format text.	FIToFICstmrCdtTrf/CdtTrf TxInf/Cdtr/PstlAdr/AdrLin e	No	<u>Only schema validation is performed.</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; it is recommended when either the Debtor Agent or Creditor Agent is a non EEA SEPA PSP. If 'Address Line' is not used, then at least 'Town Name' and 'Country' must be used.~~
[...]					

5) **§ 3.3.2.1.4 FIToFIPaymentStatusRequest (pacs.028.001.03)**

[…]

Table 2 – Status investigation Message EPC DS-07 vs pacs.028.001.03

EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
[...]					
n/a	Original Message Name Identification	Message identifier of the originating message	FIToFIPmtStsReq/Orgnl GrpInf/OrgnlMsgNmId	Yes	<u>Must begin with **pacs.008**. The addition of a variant number and version number is optional.</u> ~~Possible allowed values[8]:~~ ~~"**pacs.008.001.08**" or "**pacs.008.001.02**"~~
[...]					

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[8] ~~The usage of the correct Original Message Name Identification, in relation to the moment in which the original message was sent in reference to the migration date to the 2019 message version of ISO 20022, should be ensured by the actor who generates and sends the message to TIPS: no check on the correspondence of this value with respect to the version of the original message is performed by TIPS.~~

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Table 3 – Request for Status Update on a Recall

EPC Ref.	Reference Name	EPC/ISO Description	XML path	Mand.	TIPS Usage
[…]					
n/a	Original Message Name Identification	Message identifier of the originating message	FIToFIPmtStsReq/Orgnl GrpInf/OrgnlMsgNmId	Yes	<u>Must begin with **camt.056**. The addition of a variant number and version number is optional.</u> ~~Possible allowed values[9]:~~ "~~**camt.056.001.08**~~" ~~or~~ "~~**camt.056.001.01**~~"
[…]					

6) **§ 3.3.2.2.9 ResolutionOfInvestigation (camt.029.001.09)**

[…]

EPC Ref.	Reference Name	EPC Description	XML path	Mand.	TIPS Usage
[…]					
n/a	Original Message Name Identification	Message identifier of the originating message	RsltnOfInvstgtn/CxlDtls/ TxInfAndSts/OrgnlGrpl nf/OrgnlMsgNmId	Yes	<u>Must begin with **pacs.008**. The addition of a variant number and version number is optional.</u> ~~Possible allowed values[10]:~~ "~~**pacs.008.001.08**~~" ~~or~~ "~~**pacs.008.001.02**~~"
[…]					

7) **§ 3.3.2.2.15 FIToFIPaymentCancellationRequest (camt.056.001.08)**

[…]

EPC Ref.	Reference Name	EPC Description	XML path	Mand.	TIPS Usage
[…]					

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[9] ~~The usage of the correct Original Message Name Identification, in relation to the moment in which the original message was sent in reference to the migration date to the 2019 message version of ISO 20022, should be ensured by the actor who generates and sends the message to TIPS: no check on the correspondence of this value with respect to the version of the original message is performed by TIPS.~~

[10] ~~The usage of the correct Original Message Name Identification, in relation to the moment in which the original message was sent in reference to the migration date to the 2019 message version of ISO 20022, should be ensured by the actor who generates and sends the message to TIPS: no check on the correspondence of this value with respect to the version of the original message is performed by TIPS.~~

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EPC Ref.	Reference Name	EPC Description	XML path	Mand.	TIPS Usage
n/a	Original Message Name Identification	Specifies the original message name identifier to which the message refers.	FIToFIPmtCxlReq/Undrlyg/TxInf/OrgnlGrpInf/OrgnlMsgNmId	Yes	<u>Must begin with **pacs.008**. The addition of a variant number and version number is optional.</u> ~~Possible allowed values[11]:~~ ~~"**pacs.008.001.08**" or "**pacs.008.001.02**"~~
[…]					

8) § 4.1 Business Rules

Business process	BR Name	Check ID	Input Fields and parameters	Business check	Error codes	Error Description
[…]						
Instant Payment transaction business process	Timeout Check - Originator Side	010001	Acceptance Date Time Parameter "SCT^{Inst} Timestamp Timeout" <u>or "Cross-currency Timestamp Timeout"</u> Parameter "Originator Side Offset" Parameter "Acceptable Future Time Window" Current timestamp	The "Acceptance Date Time" of the message sent by the Originator Participant, Ancillary System or Instructing Party must respect this check: *for SCT^{Inst} and non-Euro Instant Payments* Acceptance Date Time < (current timestamp + Acceptable Future Time Window) current timestamp < (Acceptance Date Time + SCT^{Inst} Timestamp Timeout + Originator Side Offset) <u>*for cross-currency Transactions*</u> <u>Acceptance Date Time < (current timestamp + Acceptable Future Time Window)</u> <u>current timestamp < (Acceptance Date Time + Cross-currency Timestamp Timeout + Originator Side Offset)</u>	If the check is not respected: - error code **AB06**	Timeout debtor side exceeded or "Acceptance datetime" too far in the future – acceptable future offset exceeded.

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[11] ~~The usage of the correct Original Message Name Identification, in relation to the moment in which the original message was sent in reference to the migration date to the 2019 message version of ISO 20022, should be ensured by the actor who generates and sends the message to TIPS: no check on the correspondence of this value with respect to the version of the original message is performed by TIPS.~~

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Business process	BR Name	Check ID	Input Fields and parameters	Business check	Error codes	Error Description
Instant Payment transaction business process	Timeout Check - Beneficiary Side	010002	Acceptance Date Time Parameter "SCT^{Inst} Timestamp Timeout" or "Cross-currency Timestamp Timeout" Parameter "Beneficiary Side Offset" Current timestamp	The "Acceptance Date Time" of the message sent for initiating the transaction must respect this check: _for SCT^{Inst} and non-Euro Instant Payments_ current timestamp < (Acceptance Date Time + SCT^{Inst} Timestamp Timeout + Beneficiary Side Offset) _for cross-currency Transactions_ current timestamp < (Acceptance Date Time + Cross-currency Timestamp Timeout + Beneficiary Side Offset)	If the check is not respected: - error code **AB05** to the Originator Side - error code **TM01** to the Beneficiary side	Timeout creditor side exceeded
Instant Payment transaction business process	Timeout Check - Missing answer	010003	Transaction acceptance time Parameter "SCT^{Inst} Timestamp Timeout" or "Cross-currency Timestamp Timeout" Parameter "Beneficiary Side Offset" Current timestamp	The "Acceptance Date Time" of the transaction must respect this check: _for SCT^{Inst} and non-Euro Instant Payments_ current timestamp < (Acceptance Date Time + SCT^{Inst} Timestamp Timeout + Beneficiary Side Offset) _for cross-currency Transactions_ current timestamp < (Acceptance Date Time + Cross-currency Timestamp Timeout + Beneficiary Side Offset)	If the check is not respected: - error code **AB08** to the Originator Side - error code **TM01** to the Beneficiary side	Timeout creditor side - missing answer in the proper time
[…]						
Instant Payment transaction business process	Maximum Amount not Exceeded	010005	Settlement amount Parameter "Maximum Amount"	The "Maximum Amount" parameter for the currency of the transaction is selected. The "Settlement amount" of the message must be lower than or equal to the "Maximum Amount".	If the check is not respected: - return error code **AM0~~2~~3**	Amount exceeds the maximum authorised amount
[…]						

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Business process	BR Name	Check ID	Input Fields and parameters	Business check	Error codes	Error Description
Recall business process	Maximum Amount not exceeded for Returned Amount	020001	Returned Amount (AT-R054 DS-06) Parameter "Maximum Amount"	The "Maximum Amount" parameter for the currency of the transaction is selected. The "Returned Amount" of the message must be lower than or equal to the "Maximum Amount".	If the check is not respected: - return error code AM0~~02~~3	Amount exceeds the maximum authorised amount
[…]						
Investigation business process	Investigation allowed	030002	Transaction Identification Originator BIC Acceptance date time SCT^{Inst} Timestamp Timeout_or_ "Cross-currency Timestamp Timeout" Investigation Offset _or_ Investigation Offset (cross-currency) Current timestamp	_for SCT^{Inst} and non-Euro Instant Payments_ Current Timestamp => (Transaction_Acceptance Date Time + SCT^{Inst} Timestamp Timeout + Investigation Offset) _for cross-currency Transactions_ Current Timestamp => (Transaction_ Acceptance Date Time + Cross-currency Timestamp Timeout + Investigation Offset (cross-currency))	If the check is not respected: - Business error RJCT, error code **AG09**	Investigation not allowed for the Payment Transaction
[…]						

9) § 4.2.1 List of ISO Error Codes

The table below contains the exhaustive list of ISO error codes generated by TIPS in case of error detected during the validation processes.

ISO Code	ISO Name	SEPA Core Reason as specified in the Rulebook	Comments
AB05	TimeoutCreditorAgent	Transaction stopped due to timeout at the Creditor Agent.	
AB06	TimeoutInstructedAgent	Transaction stopped due to timeout at the Instructed Agent.	

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ISO Code	ISO Name	SEPA Core Reason as specified in the Rulebook	Comments
AB08	OfflineCreditorAgent	Creditor Agent is not online.	Used in TIPS for the orphan payments
AG09	PaymentNotReceived	Original payment never received.	Pending item to be confirmed not existing or already expired
~~AM02~~	~~NotAllowedAmount~~	~~Amount exceeds the maximum authorised amount for SCT^Inst~~	
AM03	NotAllowedCurrency	Specified message amount is an non processable currency outside of existing agreement	Not present in SEPA document – introduced for checking the validity of the currency since TIPS is multi-currency
AM05	Duplication	Duplicate payment	
AM23	AmountExceedsSettlementLimit	Transaction amount exceeds settlement limit.	
CNOR	Creditor bank is not registered	Beneficiary PSP is not registered under this BIC in the CSM	
DNOR	Debtor bank is not registered	Originator PSP is not registered under this BIC in the CSM	
DS14	UserDoesNotExist	The user is unknown on the server	Not present in SEPA document.
MS01	NotSpecifiedReason	Reason not specified	Currently used for generic error when no related error code has been defined in the ISO documentation. Not present in SEPA document.
TM01	InvalidCutOffTime	Time-out – maximum execution time has been exceeded	

10) § 4.7 List of referenced documents

	Title	Source
[1]	SEPA Instant Credit Transfer (SCT^Inst) Scheme Rulebook, Version 1.~~4~~0, 202~~3~~5	EPC
[2]	SEPA Instant Credit Transfer Scheme Inter-PSP Implementation Guidelines, Version V1.~~2~~0, 202~~3~~5	EPC
[3]	TARGET Instant Payment Settlement User Requirements	ECB
[4]	TARGET Instant Payment Settlement User Handbook	4CB
[5]	TIPS Connectivity Guide	4CB
[6]	~~EPC087-22 / Version 3.1: EPC Guidance Document – Migration to the 2019 version of the ISO 20022 Standard-based XML Messages~~	~~EPC~~
[7]	~~EPC053-23 / Version 1.1 – ERRATA to the 2023 version 1.1 of the SEPA Instant Credit Transfer Customer-to-PSP (C2PSP) and Inter-PSPm Implementation Guidelines~~	~~EPC~~

Change Request form

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High-level description of Impact:

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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:

L3 analysis - General Information
Impact on TIPS

Change Request form

	Business Interface
X	A2A Interface
	U2A Interface

	Settlement Engine
X	Payment Transaction
	Liquidity Transfer
X	Recall

	Queries and Reports
	Queries
	Reports

	Other functions
	Local Reference Data Management
	Statistics
	Complex Queries and Reports
	Mobile Proxy Look-up

	Common Components
	ESMIG
	CRDM
	Archiving
	Billing
	DMT

	Operational Tools
	SLA Reporting
	TMS
	Technical Monitoring
	Change Management
	Capacity Management

	Infrastructure request

Change Request form

	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	1.7.1 Service configuration	System parameters updated to be in line with the new timeout requirements and sub-timelines.
	3 Catalogue of messages	TIPS Usage changes as per proposed wording.
	4.1 Business Rules	Added reference to the new timeout in the related checks. References to AM02 amended to AM23.
	4.2.1 List of ISO Error Codes	Reference to AM02 removed.
	4.7 List of referenced documents	Referenced EPC documentation updated to the latest versions.
TIPS UHB		
Training documentation	TIPS.TR.FN.040	Reference to timeout parameters will need to be aligned (slides 4-7-8-43-44-85)
MyStandards	Usage Guidelines for: • camt.029 SCT Inst • camt.056 SCT Inst • pacs.002 SCT Inst • pacs.004 SCT Inst • pacs.008 SCT Inst • pacs.028 SCT Inst	Changes detailed in functional impact + annotations aligned to TIPS Usage.
Other documents		
Impacted GDPR message / screen fields	n/a	n/a

Overview of the impact of the request on TIPS (L2 view)
Summary of functional, development, infrastructure, operational and security impacts

Change Request form

Summary of functional impact:

In order to align TIPS to 'EPC004-16/ 2025 Version 1.0 SEPA Instant Credit Transfer Scheme Rulebook' and to 'EPC122-16 / 2025 Version 1.0 SEPA Instant Credit Transfer Scheme Inter-PSP Implementation Guidelines' both issued in November 2024 and entering into force at 03:30 CET on 5 October 2025, an adaptation of TIPS Scope Defining Documents and MyStandards Usage Guidelines is required to cover:

1) the full list of changes in the SCT Inst Inter PSP Implementation Guidelines, in line with the 2023 version v1.2 and impacting camt.029, camt.056, pacs.002, pacs.004, pacs.008, pacs.028. Those updates include:

    a) a change to pacs.008 Acceptance Timestamp datatype which must be unambiguous and at least include milliseconds;

    b) some purely editorial changes on Debtor and Ultimate Debtor identifications usage rules;

    c) a new way for identifying the Original Message Name Identification for each message containing this tag. The former extended name with variant number and version number becomes optional (e.g. pacs.008.001.08, camt.056.001.08 etc.) and the minimum allowed value becomes the message category and type (e.g. pacs.008, camt.056 etc.);

    d) the possibility to distinguish and use one between structured, unstructured and hybrid postal addresses for Debtor and Creditor (until 22 November 2026 at 03:30 CET. Afterwards only the use of structured and hybrid addresses will be allowed);

    e) Removal of reason code 'AM02' (Amount Exceeds the maximum authorized amount for SCT Inst) and replacing it with 'AM23' (Transaction amount exceeds settlement limit) in TIPS Business Rules;

2) a number of residual gaps identified both by TIPS customers (i.e. PBI000000234349, PBI000000234532, PBI000000234674) and by the analysis of the new versions of the EPC documentation. They can be summarized in:

    a) gaps in multiplicity on mandatory EPC yellow fields (e.g. some remittance information sub-tags in pacs.008 and the reason tag in camt.029 were wrongly optional instead of being mandatory), and

    b) gaps in 'Original Transaction Reference' tag in all the messages different from pacs.008. In fact, as per EPC usage rules: "the yellow message elements under 'Original Transaction Reference' must be populated with the same value as the message elements of the original instruction" meaning that, for each and every yellow field below this tag, the UG customization should follow the pacs.008 one allowing customers to satisfy EPC requirements.

3) New execution sub-timelines within the prescribed maximum execution timeline of 10 seconds (Art 5a (4) (c), amended SEPA Regulation): the current 10-20-25 seconds timeline will be changed into a 5-7-9 seconds sub-timeline. The functional TIPS impacts stemming from this update can be summarized in:

    a) update or creation of the following TIPS system parameters:

        1. *SCTInst Timestamp Timeout* has been amended from 20 to 7 seconds

        2. A new *Cross-currency Timestamp Timeout* parameter is defined and set to 20 seconds in order to maintain the current functionality

        3. *Beneficiary Side Offset* parameter is reduced from 1 second to 0 second taking into consideration the new strict sub-timelines

        4. *Sweeping Timeout* parameter has been amended from 5 to 2 seconds

        5. *Investigation offset* parameter has been updated from 5 to 2 seconds

        6. A new *Investigation offset (cross-currency)* parameter is defined and set to 5 seconds in order to maintain the current functionality

7. *Investigation offset (non-euro currency)* parameter has been updated from -10 to -5 seconds for SEK (synergies with requirement from change request TIPS-0089) and reference to DKK currency has been added

b) amendment of the processing in the TIPS timeout checks to make explicit reference to the new timeout parameter for cross-currency payments that will maintain the 20 seconds limit.

4) There is no longer a maximum amount stipulated at EPC scheme level.

For what concern this change there is no impact in TIPS in terms of *Maximum Amount* system parameters which are already set to unlimited value for all the currencies currently defined in the system (i.e. EUR, SEK, DKK).

For what concern the values defined in CRDM at Authorised Account Users level which are propagated to TIPS on a daily basis, as agreed during the TIPS-CG February 2025 meeting, 4CB will perform a massive last-level intervention to modify all the records via a database update, dependent on the currency denomination of the account (e.g. removing the value only linked to EUR accounts).

Regarding change of Rulebook about the number and frequency of the Recall allowed for a given SCT Inst Transaction, considering (i) the current retention period in TIPS for the IP transactions/ Positive Recall Responses, (ii) the fact that TIPS currently does not store the Recall Request message and (iii) the fact that currently each positive Recall Response is considered as transaction unrelated from the previous ones from TIPS pure settlement perspective, then this change on the Rulebook does not trigger a change in TIPS. The new Rulebook requirement about the number and frequency of the Recall allowed for a given SCT Inst Transaction has to be respected on the side of the PSPs side for SCT Inst compliance, as it is in place today for the current, less restrictive, requirement.

An update of the TIPS functional documentation is required in the following areas, to keep track of the editorial changes and the amendment to the message specifications from this Change Request:
- TIPS UDFS;
- Message schema camt.029, camt.056, pacs.002, pacs.004, pacs.008, pacs.028 for euro community and related message example, if needed;
- TIPS Training documentation.

Summary of application development impact:

The DEV cost assessment includes, among other things, an additional effort to cope with involvement of personnel on Sunday night to handle the PRODUCTION deploy of this CR.

Impacts on "TIPS Core"

- *XSD schema and JAXB parsers* update for camt.029, camt.056, pacs.002, pacs.004, pacs.008, pacs.028.

- *CRDM Reference Data Model* modifications to take into account the new attribute to be added to the VIPSRTGS entity.

- *CRDM Importer* module modifications to handle the new fields added to the VIPSRTGS and VIPSCONF entities.

- *Message Router*: Update processing of pacs.008 messages for expiration check to take into account the new rules for timeout management.

- *Message Router*: Update processing of pacs.002 messages for expiration check to take into account the new rules for timeout management.

- *Message Router* - Update processing of pacs.004 for updated validation rules.

- *Message Router* - Update processing of pacs.028 for updated validation rules.

- *Message Router* - Update processing of camt.029 for updated validation rules.

- *Message Router* - Update processing of camt.056 for updated validation rules.

- *Message Router* - Message Sweeper – Revise the verification logic for payment expiration.

- *TIPS Responder* (aka *TIPS Counterparty Simulator*) - UPD - Sending simulated responses pacs.008/pacs.004/camt.029 messages as a response to camt.056 messages.

- *Testing tool and Contingency Message Application* – Modify template repository for camt.029, camt.056, pacs.002, pacs.004, pacs.008, pacs.028.

Impacts on CoCos

- CRDM TIPSRTGS entity to be amended (along with its linked VIPSRTGS view) to add the new required *offset* field.

Summary of infrastructure impact:

Performance and load tests shall be carried out to verify the TIPS response time shall remain within the SLAs, given the new reduced expiration timeout, in particular when the throughput of incoming requests reaches the maximum peak of 2000 instant payments/sec.

Based on the results of these tests, an evaluation will be made regarding the necessary infrastructure modifications. The test results are expected to be available by the end of Aprile 2025.

The TA[12] cost assessment includes effort to cope performance tests and the involvement of personnel on Sunday night to handle the deployment in PRODUCTION of this CR.

The potential costs associated with the infrastructural adjustments that may arise from testing have not been included in this Change Request.
Summary of operational impact:

No impact.

Summary of security impact:

See Change Request Analysis.

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[12] Technical Administration (TA)