EUROPEAN CENTRAL BANK

EUROSYSTEM

T2S CHANGE REQUEST FORM			
General Information (Origin of Request) ☐ User Requirements (URD) or GUI Business Functionality Document (BFD) ☒ Other User Functional or Technical Documentation (SYS)			
Request raised by: TFOS	**Institute:** CSD		**Date raised:** 02/07/2024
Request title: Un-prune additional attributes in T2S settlement messages to enhance STP processing			**Request No.:** T2S 0834 SYS
Request type: Common	**Classification:** Scope Enhancement		**Urgency:** Normal
1. Legal/business importance parameter[1]**:** Medium		**2.** Market implementation efforts parameter[2]**:** Low	
3. Operational/Technical risk parameter[3]**:** Low		**4.** Financial impact parameter[4]**:** High	
Requestor Category: CSD		**Status:** Allocated to a Release	

Reason for change and expected benefits/business motivation:

Currently T2S applies the following "freeze approach" for maintenance of T2S customised versions of ISO 20022 messages:

- At the time of writing this CR, T2S customised versions of ISO20022 messages are based on ISO20022 message versions from 2019.
- As T2S evolves, new versions of the T2S customised messages are generated, but they keep being based on the "frozen" original ISO20022 message versions from 2019.
- In parallel, the ISO20022 standard evolves with the yearly Maintenance Releases, but this evolution is not yet reflected in T2S. In fact, ISO versions and T2S versions evolve independently.

In June 2026, the T2S customised versions will be aligned with the evolved ISO20022 versions via T2S CR 809 "*Alignment of T2S Messages with ISO Maintenance Release 2020 – 2024*", which will integrate all changes of ISO Maintenance Release (MR) 2020 – 2024 into the customised T2S message versions.

At this point in time, T2S will launch the "*T2S Unfreeze Strategy*" with the objective to update all T2S messages to the latest ISO20022 base message versions, and from then on, to follow the latest ISO20022 versions via the yearly Maintenance Releases.

In this context, the TFOS was created to provide the market view of how T2S messages can be improved. The initial scope of the work of the TFOS was to review which SWIFT/ISO CRs, implemented since the last freeze of the T2S settlement messages, should be implemented with priority and ideally at the same time with the "*T2S Unfreeze Strategy*". To implement such scope items, dedicated T2S Change Requests should be raised.

Additionally, the TFOS has analysed which additional elements would be helpful in T2S messages to enhance the STP processing for T2S Actors. Such elements should be unpruned, as outlined in the T2S customisation approach in the UDFS, see section 3.2.1.3 T2S-specific schema customisation, page 852:

- *For scenario 2* [i.e., if T2S does not need such elements but there is a demand for T2S Actors] *there is one exception: as indicated above, S&R messages may contain more elements than necessary for the processing in T2S. T2S does not prune dispensable elements as these elements may be required for STP of T2S Actors.*

[1] Legal/business importance parameter was set to "Medium" because the change request supports STP processing on the T2S Actor's side.
[2] Market implementation effort parameter was set to "Low" as the change does not imply significant changes to T2S Actors.
[3] Operational/technical risk parameter was set to "Low" because it is not expected that this change will have an operational impact on the T2S Actors.
[4] Low < 100kEUR < Low-Medium < 200 kEUR < Medium < 400kEUR < High < 700kEUR < Very high

This change request formalises this analysis by requesting to include into the T2S Schemas those additional elements which have been identified by the TFOS.

Description of requested change:

The following messages elements shall be unpruned in the schemas of all message types which are mentioned in the table. They shall be treated as “LCMM Instruction Additional Information”, i.e., if filled in the sese.023 inbound message, they shall also be mapped into the related outbound messages, but otherwise T2S does not process them (unless T2S already processes them, e.g. certain codes such as the NOMC or ADEA values in the STCO field – for those cases, T2S shall continue to process them with the existing logic).

Message element(s)	Requirement	sese.023	sese.024	sese.025	sese.028
TradDtls/TradId	If filled in sese.023, then populate in all relevant outbound messages	Attribute supported	Un-prune attribute	Attribute supported	Attribute supported
TradDtls/ SttlmInstrPrcgAddtlDtls	If filled in sese.023, then populate in all relevant outbound messages	Attribute supported	Un-prune attribute[5]	Un-prune attribute	N/A
SttlmParams/SttlmTxCond	If filled in sese.023 (with codes and/or DSS values), then populate all those elements also in all relevant outbound messages (for sese.028: map only code if this code is supported).	Element supported with all codes and with DSS.	Element supported with all codes and with DSS.	Element supported with all codes and with DSS.	Element supported with all codes and with DSS.
SttlmParams/SctiesRTGS	If filled in sese.023, then populate in all relevant outbound messages	Element supported	Un-prune element	Not required	Un-prune element
SttlmParams/Regn	If filled in sese.023, then populate in all relevant outbound messages	Element supported	Un-prune element	Un-prune element	Not required
SttlmParams/ StmpDtyTaxBsis	If filled in sese.023, then populate in all relevant outbound messages	Element supported	Un-prune element	Un-prune element	Not required
RcvgSttlmPties/ Pty2/SfkpgAcct/Id DlvrgSttlmPties/ Pty2/SfkpgAcct/Id	If filled in sese.023, then populate in all relevant outbound messages	Attributes supported	Un-prune attributes	Un-prune attributes	Attribute supported
RcvgSttlmPties/ Pty2/PrcgId DlvrgSttlmPties/ Pty2/PrcgId	If filled in sese.023, then populate in all relevant outbound messages	Attributes supported	Un-prune attributes	Un-prune attributes	Attribute supported
RcvgSttlmPties/ Pty1/AddtlInf/PtyCtctDtls RcvgSttlmPties/ Pty2/AddtlInf/PtyCtctDtls DlvrgSttlmPties/ Pty1/AddtlInf/PtyCtctDtls	If filled in sese.023, then populate in all relevant outbound messages	Attributes supported	N/A	Un-prune attributes	Attribute supported

[5]SttlmInstrPrcgAddtlDtls is supported by sese.024 until R2026.JUN, but only in case of partial release, i.e., to provide information on "Release Quantity" and “Quantity remaining on hold”. However, as of R2026.JUN, it will be pruned from sese.024 schema with CR-0823, i.e., because CR-0823 will introduce the code "PREL" and the subsequence “Partially Released Quantity” will become available within the “Transaction Details”. Therefore, CR-0834 will unprune the field TradDtls/SttlmInstrPrcgAddtlDtls in sese.024 and introduce an update of the T2S-Use and T2S-Mapping.

DlvrgSttlmPties/ Pty2/AddtlInf/PtyCtctDtls					

To limit the scope of the CR, the updates are required only for sese.024, sese.025 and sese.028 messages. It is not required to unpruned those elements in any other message, in particular, it is not required to un-prune them in T2S statement semt.017 and semt.018.

Following the "T2S Unfreeze strategy", the strong preference of the TFOS is to implement this CR together with the implementation of T2S CR 809 "*Alignment of T2S Messages with ISO Maintenance Release 2020 – 2024*", currently scheduled for June.2026 release.

Submitted annexes / related documents:

Outcome/Decisions:

*ECB on 2 July 2024: the ECB team checked the completeness of the CR template, assigned change request number CR-0834 and informed the CR initiator.
*CRG on 16 October 2024: the CRG agreed to launch the preliminary assessment of CR-0834.
*CRG on 20 March 2025: the CRG agreed to recommend CR-0834 for authorisation by the T2S Steering Level.
*AMI-SeCo on 2 April 2025: the AMI-SeCo agreed with the CRG recommendation of CR-834 for T2S Steering Level authorisation.
*CSG on 3 April 2025: the CSG agreed to authorise CR-834.
*NECSG on 3 April 2025: the NECSG agreed to authorise CR-834.
*PMG on 10 April 2025: the PMG agreed to launch the detailed assessment of CR-0834 with a view of scoping in R2026.NOV, subject to the MIB authorisation.
*MIB on 14 April 2025: the MIB agreed to authorise CR-834.
*OMG on 15 August 2025: the OMG did not identify an operation impact due to the inclusion of CR-0834 in the scope of R2027.NOV.
*CRG on 15 August 2025: the CRG agreed to recommend to the PMG the implementation of CR-0834 within the scope of R2027.NOV.
*PMG on 11 September 2025: the PMG requested a discussion to potentially withdraw CR-0834 due to the high implementation costs.
*CRG on 14 October 2025: the CRG agreed not to withdraw CR-0834, and to assess in October 2025 potential synergies with ISO MR2027 or other CRs impacting the same messages in R2027.NOV
*PMG on 15 October 2025: the PMG agreed to recommend to the SL the implementation of CR-0834 with R2027.NOV, pending confirmation in October 2026 of potential synergies with ISO MR2027 or other CRs impacting the same messages in R2027.NOV.
*CSG on 10 November 2025: the CSG approved the inclusion of CR-0834 in the scope of R2027.NOV.
*NECSG on 10 November 2025: the NECSG approved the inclusion of CR-0834 in the scope of R2027.NOV.
*MIB on 20 November 2025: the MIB approved the inclusion of CR-0834 in the scope of R2027.NOV.

Documentation to be updated:

These updates will be provided during the implementation phase.

Preliminary assessment:

- **Financial Impact:** Medium
- **Impacted Modules**: LCMM, T2S-INTF, T2S-DWH
- **Impact on other Eurosystem Services (T2, TIPS) or projects (ECMS):** yes in ECMS, for sese.024 and sese.025 and potentially for sese.023, if it is expected that ECMS sends those fields to T2S. No impact for T2 and TIPS
- **Risks:** no
- **Findings:**

The implementation of this CR implies that:

- The message elements described in the table above will be unpruned in the required schemas.
- If these elements are filled in the sese.023 inbound message, they will be mapped into the necessary outbound message as described above.
- For element SttlmParams/SttlmTxCond no changes are required, even though it is mentioned in the table, since as mentioned in it, it is already supported in the messages.

- No additional (new) processing is required for none of the elements.
- Data Migration Tool will not be updated (i.e. no new fields for the new elements supported will be added to the Excel/CSV files used for Settlement Instructions).
- No change or addition is required on the related U2A Screens.

For this purpose:

- The Instruction Validation module needs to be enhanced in order to store and map the new elements.
- The Status Management module needs to consider the new elements to be reported in the corresponding outbound messages.
- A testing campaign needs to be executed in order to verify that the elements unpruned in the sese messages impacted by this CR are correctly reported when filled in the sese.023 inbound message.
- No functional impact on SETT module. However, significant efforts need to be considered, particularly in terms of regression tests if the T2S CR-834 would not be implemented together with the implementation of T2S CR-841.

- **Open issues/ questions to be clarified by the originator:**
- 4CB recommend fast Steering Level authorisation and request for DA in view of R2026.NOV

Detailed assessment:

T2S Specific Components		Common Components	
LCMM		**Common Reference Data Management**	
X	Instructions validation		Party data management
X	Status management		Securities data management
	Instruction matching		Cash account data management
	Instructions maintenance		Securities account data management
	Penalty Mechanism		Rules and parameters data management
			Access rights management
Settlement		**CRDM business interface**	
	Standardisation and preparation to settlement		Report management
	Night-time Settlement		Query management
	Daytime Recycling and optimisation		Communication
	Daytime Validation, provisioning & booking		Outbound Processing
	Auto-collateralisation		Inbound Processing
Liquidity Management			
	Outbound Information Management		
	NCB Business Procedures		
	Liquidity Operations		
Statistics and archive			
	Short term statistical information		Legal archiving
		X	Data Warehouse
T2S Interface		**Eurosystem Single Market Infrastructure Gateway**	
X	Communication		Communication
	Outbound Processing		Outbound Processing
X	Inbound Processing		Inbound Processing
T2S information management			
	Report management		
	Query management		

Operational Services			
X	Data Migration (T2S DMT)		Data Migration (CRDM DMT)
	MOP Contingency Templates		Business Day Management
	Omega Tool		Business Day Management business interface
X	AID Tool		Billing
			Billing business interface
			Operational and Business Monitoring

Impact on major documentation		
Document	**Chapter**	**Change**
Impacted GFS chapter	3.4.2.2 Description of the data related to LCMM Instructions 3.4.2.3 Description of the data related to Settlement Instructions 4.2 Data Model	Update the diagram to include the new necessary fields. Update the diagram to include the new necessary fields. Update the T2S logical data model to include the new necessary fields. *These updates will be provided during the implementation phase.*
Impacted UDFS chapter	-	No impact
Impacted URD chapter	-	
Additional deliveries for Message Specification (UDFS, MyStandards, MOP contingency templates)	Securities Settlement Transaction Status Advice (sese.024.001.12) Securities Settlement Transaction Confirmation (sese.025.001.11) Securities Settlement Transaction Allegement Notification (sese.028.001.08)	Customisation in Mystandards of sese.024, sese.025 and sese.028 messages to make available the necessary fields as per the table above.
UHB	-	No impact
External training materials	-	No impact
Other impacted documentation (FA Sch. 05, FA Sch. 07)	-	No impact
Impacted GDPR message/ screen fields	-	No impact

Links with other requests				
Links	Reference		Title	

OVERVIEW OF THE IMPACT OF THE REQUEST ON THE T2S SYSTEM AND ON THE PROJECT

Summary of functional, development, infrastructure and migration impacts

The implementation of this CR implies in LCMM that:

- The message elements described in the table above will be unpruned where necessary, in the required schemas.
- If these elements are filled in the sese.023 inbound message, they will be reported in the outbound messages sese.024, sese.025 and sese.028 as per the table above.
- Where necessary, the logic to store, map and report these message elements will be developed.
- The fields in the U2A screens remain unchanged.

For this purpose:

- The Instruction Validation module needs to be enhanced in order to:

    - store and map the elements which are currently not reported in any outbound message:
        - TradDtls/ SttlmInstrPrcgAddtlDtls
        - SttlmParams/SctiesRTGS
        - SttlmParams/Regn
        - SttlmParams/ StmpDtyTaxBsis
    - map the elements which are currently already reported in some outbound messages, but not in all the necessary outbound messages as per the table above.

    It will need to be adapted in its following functions:
    - LCMM Instruction Validation
        - Adapt Message Mapping sub-function in order to map the new elements.
        - Update the Mapping File: Mapping-InbLCMMMes-Incx
    - Instruction Management
        - Update the internal flows in order to map the new necessary fields

- The Status Management module must be enhanced in order to apply, in the status advice reporting, the changes described above.

    It will need to be adapted in its following functions:
    - Data Collection for Messages
    - Allegements

- The process for updating the posting inconsistencies via the AID tool has to be enhanced to consider the new fields.

- The number of LCMM flows will need to be adapted accordingly.

- Logical data model will be updated to include the new fields:
    - TradDtls/ SttlmInstrPrcgAddtlDtls
    - SttlmParams/SctiesRTGS
    - SttlmParams/Regn
    - SttlmParams/ StmpDtyTaxBsis

LCMM Messages:

- This CR requires the following changes in Mystandards for messages sese.024, sese.025 and sese.028.
    - Customisation for **sese.024:**
        - Unpruning the following elements:
            - Trade Identification within the path /Document/SctiesSttlmTxStsAdvc/TxDtls/TradId, update its respective T2S-Use and T2S-Mapping.
            - Settlement Instruction Processing Additional Details within the path /Document/SctiesSttlmTxStsAdvc/TxDtls/SttlmInstrPrcgAddtlDtls, update its respective T2S-Use and T2S-Mapping.
            - Securities RTGS block within the path /Document/SctiesSttlmTxInstr/SttlmParams/SctiesRTGS, update its respective T2S-Use and T2S-Mapping.
            - Registration block within the path /Document/SctiesSttlmTxStsAdvc/TxDtls/SttlmParams/Regn, update its respective T2S-Use and T2S-Mapping.
            - Stamp Duty Tax Basis block within the path /Document/SctiesSttlmTxStsAdvc/TxDtls/SttlmParams/StmpDtyTaxBsis, update its respective T2S-Use and T2S-Mapping.
            - Safekeeping Account Identification for Delivering/Receiving Party 2 block within the paths /Document/SctiesSttlmTxStsAdvc/TxDtls/RcvgSttlmPties/Pty2/SfkpgAcct/Id and /Document/SctiesSttlmTxStsAdvc/TxDtls/DlvrgSttlmPties/Pty2/SfkpgAcct/Id, update the T2S-Use.

- Processing Identification for Delivering/Receiving Party 2 block within the path /Document/SctiesSttlmTxStsAdvc/TxDtls/RcvgSttlmPties/Pty2/PrcgId and /Document/SctiesSttlmTxStsAdvc/TxDtls/DlvrgSttlmPties/Pty2/PrcgId.

- Customisation for **sese.025:**
  - Unpruning the following elements:
    - Settlement Instruction Processing Additional Details within the path /Document/SctiesSttlmTxConf/TradDtls/SttlmInstrPrcgAddtlDtls.
    - Registration block within the path /Document/SctiesSttlmTxConf/SttlmParams/Regn.
    - Stamp Duty Tax Basis block within the path /Document/SctiesSttlmTxConf/SttlmParams/StmpDtyTaxBsis.
    - Safekeeping Account Identification for Delivering/Receiving Party 2 block within the paths /Document/SctiesSttlmTxConf/DlvrgSttlmPties/Pty2/SfkpgAcct/Id and /Document/SctiesSttlmTxConf/RcvgSttlmPties/Pty2/SfkpgAcct/Id, update the T2S-Use.
    - Processing Identification for Delivering/Receiving Party 2 block within the path /Document/SctiesSttlmTxConf/DlvrgSttlmPties/Pty2/PrcgId and /Document/SctiesSttlmTxConf/RcvgSttlmPties/Pty2/PrcgId.
    - Additional Information block for the Delivering/Receiving Party 1 and 2 blocks with in the paths, /Document/SctiesSttlmTxConf/DlvrgSttlmPties/Pty1/AddtlInf, /Document/SctiesSttlmTxConf/DlvrgSttlmPties/Pty2/AddtlInf, /Document/SctiesSttlmTxConf/RcvgSttlmPties/Pty1/AddtlInf and /Document/SctiesSttlmTxConf/RcvgSttlmPties/Pty2/AddtlInf.
      - Within this block, unprune the Party Contact Details element and prune out elements Declaration Details and Registration Details.

- Customisation for **sese.028:**
  - Unpruning the following elements:
    - Securities RTGS block within the path /Document/SctiesSttlmTxAllgmtNtfctn/SttlmParams/SctiesRTGS, update its respective T2S-Use and T2S-Mapping.

- Testing campaign has to be carried out in order to verify the correct storage and reporting of the elements unpruned with CR-834 in sese.024, sese.025 and sese.028 outbound messages, in case they are informed in the sese.023 inbound message.
- DMT non-regression campaign needs to be executed to verify that the tool works properly after the implementation of technical changes with impact on the interface used by the DMT tool.

Main Cost Drivers

Specification, coding and development testing of the requested functionalities: 53% including:

- Changes to the Instructions Validation module and Status Management module of LCMM with regards to the new fields and mapping logic.
- Adaptations of the internal flows between INTF and LCMM (inbound and outbound).
- Enhancement of the AID tool to report the new fields in sese.025.
- Introduction of a new fields in the DMT-LCMM interface at internal technical level (not visible to users) for the objects Pending Instructions and Free of Payment.
- Adaptations in T2S INTF A2A for the new message schemas Import new message schemas for sese.024, sese.025 and sese.028 messages.
- Adaptations in U2A-LCMM interface, for sese.23 and sese.24, to send and receive/process the unpruned elements.
- Adaptation of DWH to consider the new data model. DWH has to reflect the update of the file FISSCSIN[6] to maintain the DWH data load till Landing Zone only. The fields are not relevant for Reporting and AE.

[6] The new fields of the file FISSCSIN are the following fields defined in the sese.023:

- TradDtls/SttlmInstrPrcgAddtlDtls: SettlementInstructionProcessingAdditionalDetails.
- SttlmParams/SctiesRTGS: SecuritiesRTGS.
- Indicator
- Identification
- Issuer
- Schema Name
- SttlmParams/Regn: Registration

• Add Safekeeping Account/Id for Pty2 on Additional Parameters on New-SI screen. INTF changes not visible to users, no GUI impact. Functional acceptance and non-regression testing: 31% • In the current DA of CR-0834 no synergies have been considered (e.g. with CR-0841) due to different release allocation proposals. If there are other ISO/message related CRs in R2027.NOV, there could be potential synergies, specifically for non-regression testing (efforts, cost, etc.).
Impact on other TARGET Services and projects
• No impact on T2 and TIPS. ECMS would be impacted for sese.024 and sese.025. and potentially for sese.023, if it is expected that ECMS sends those fields to T2S. CSDs and the ECMS-WG should confirm if ECMS is expected to enrich sese.024/sese.025 messages with the un-pruned sese.023 elements.
Summary of project risk
No risks identified.
Security analysis
No adverse effect has been identified during security assessment
Other impacts (yes/no)
Yes

- Code
- Identification
- Issuer
- Schema Name
- SttlmParams/ StmpDtyTaxBsis
- Identification
- Issuer
- Schema Name

DG - MARKET INFRASTRUCTURE & PAYMENTS ECB-PUBLIC

14 July 2025

Cost assessment on Change Requests

T2S-834-SYS – Unprune additional attributes in T2S settlement messages to enhance STP processing			
One-off	Assessment costs* - Preliminary - Detailed	 2,000.00 10,000.00	 Euro Euro
One-off	Development costs	598,362.80	Euro
Annual	Operational costs - Maintenance costs - Running costs	 58,448.05 0.00	 Euro Euro

*The relevant assessment costs will be charged regardless of whether the CR is implemented (Cf. T2S Framework Agreement, Schedule 7, par. 5.2.3).