imT2S 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: Clearstream	**Institute:** CSD	**Date raised:** 19/11/2019
Request title: Introduce Reason Code as Parameter for T2S Message Subscription Logic		**Request No.:** T2S 0723 URD
Request type: Common	**Classification:** Scope Enhancement	**Urgency:** Normal
1. Legal/business importance parameter: High[1]		**2. Market implementation efforts parameter:** Low[2]
3. Operational/Technical risk parameter: Low[3]		**4. Financial impact parameter:** Medium[4]
Requestor Category: CSD		**Status:** Implemented

Reason for change and expected benefits/business motivation:

T2S Message Subscription Logic supports a wide set of parameters that can be used within a message subscription. Amongst them are "Message Status" and "Instruction Status":

- Via "Message Status", a T2S Actor can subscribe (or unsubscribe) to messages which report a specific status. E.g. for sese.024 Securities Settlement Transaction Status Advices it is possible to subscribe to messages which report processing status, or to messages which report matching status or to messages which report settlement status.
- Via "Instruction Status", a T2S Actor can subscribe (or unsubscribe) in a more granular way for specific status values, e.g. for matching status to messages reporting "matched" status only (i.e. no "unmatched" matching status[5]), or for settlement status for messages reporting "pending" status only (i.e. no "failing" settlement status[6]).

An additional differentiation beyond "Instruction Status" is not supported by T2S Message Subscription logic, i.e. for a given "Instruction Status" it is not possible to subscribe (or unsubscribe) to status messages with a specific status reason code. However, such additional granularity would be very helpful to allow fine tuning of the Message Subscriptions on T2S to which types of status messages are really needed on the T2S Actor side.

For example, a T2S Actor might not want to receive status messages relating to a specific status reason code. Possible scenarios (non-exhaustive):

- sese.024 with settlement status "pending/failing" and reason PART: A T2S Actor might want to rely solely on the settlement confirmations sese.025 PAIN which always arrive in conjunction with the sese.024 "pending.PART" and which already imply there is a pending remaining part.
- sese.024 with settlement status "pending/failing" and reason INBC: A T2S Actor might have implemented a pool counting logic internally, and then there would be no need for such messages from T2S.
- sese.024 with settlement status "pending/failing" and reason PRCY if those were instructed already matched by the T2S Actor: In this case, the PRCY status can alternatively be derived from the hold reporting on the counter-leg which will also be sent to this actor in the already matched scenario.
- sese.024 with settlement status "pending/failing" and reason NORE: A T2S Actor might not want to receive such messages, as they contain limited business information.

To enable the T2S Actors to (un-)subscribe to such messages, T2S should enable a message subscription on status

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[1] Legal/business importance: *High - By allowing unsubscribing from messages on a more granular basis, the CR could contribute to reduce the volume of messages sent by T2S, but not needed by T2S users*

[2] Market implementation efforts: *Low – no adaptation is needed on T2S actors side*

[3] Operation/technical risk: *Low – The CR is an enhancement of an existing functionality*

[4] Financial impact parameter: *400kEUR < High < 700kEUR*

[5] It should be noted that T2S supports two different instruction status values for matching status: "matched" and "unmatched" (introduced with T2S CR614). However, only instruction status "matched" can be used in message subscription rules. See UDFS v4.2, page 212.

[6] It should be noted that T2S supports two different instruction status values for settlement status: "pending" and "failing" (introduced with T2S CR609). However, only instruction status "pending" can be used in message subscription rules. See UDFS v4.2, page 212.

reason code level.

<u>**Description of requested change:**</u>

The list of Message Subscription Parameter Types (UDFS v4.2, table 81) should be extended by one additional parameter:

- Instruction Status Reason Code

This parameter is relevant for outgoing messages only and within those messages (UDFS v4.2, table 83) only for the following message types:

- sese.024 "Securities Settlement Transaction Status Advice"
- semt.014 "Intra Position Movement Status Advice"
- camt.067 "Intra Balance Movement Status Advice"

Within such messages, the parameter would only refer to the reason codes relating to "pending" and "failing" settlement status. In other words, the mapping between applicable parameter types and message fields (UDFS v4.2, table 84) would be as follows:

APPLICABLE PARAMETER TYPE	TYPE OF CHECK	MESSAGE	MESSAGE FIELD
Instruction Status Reason Code	Direct	Sese.024	SctiesSttlmTxStsAdvc/SttlmSts/Pdg/NoSpcfdRsn
			SctiesSttlmTxStsAdvc/SttlmSts/Pdg/Rsn/Cd/Cd
			SctiesSttlmTxStsAdvc/SttlmSts/Flng/NoSpcfdRsn
			SctiesSttlmTxStsAdvc/SttlmSts/Flng/Rsn/Cd/Cd
		Semt.014	IntraPosMvmntStsAdvc/SttlmSts/Pdg/NoSpcfdRsn
			IntraPosMvmntStsAdvc/SttlmSts/Pdg/Rsn/Cd/Cd
			IntraPosMvmntStsAdvc/SttlmSts/Flng/NoSpcfdRsn
			IntraPosMvmntStsAdvc/SttlmSts/Flng/Rsn/Cd/Cd
		Camt.067	IntraBalMvmntStsAdvc/SttlmSts/Pdg/NoSpcfdRsn
			IntraBalMvmntStsAdvc/SttlmSts/Pdg/Rsn/Cd/Cd
			IntraBalMvmntStsAdvc/SttlmSts/Flng/NoSpcfdRsn
			IntraBalMvmntStsAdvc/SttlmSts/Flng/Rsn/Cd/Cd

The fields to be mapped per message type are mutually exclusive, i.e. within a given message, only one of the four possible paths will be filled.

However, the pending and failing reason codes can be repetitive, and can occur in combination with other "Message Status" and "Instruction Status" values. E.g.:

- "Pending" status can occur in combination with "Accepted" status in scenario "Accepted with hold",
- "Pending" status can occur in combination with "Unmatched" status in scenario "Party hold" for unmatched instructions (CR614),
- "Pending" status can occur repetitively in case of various reasons why an instruction is pending (e.g. PREA + CSDH in case an instruction was submitted with Party Hold and with CSD Hold).

To deal with this specific case of potentially repetitive status and status reasons, the following logic should be applied in case of positive and negative message subscription rules that contain "Instruction Status Reason Code" as parameter:

- Positive Rules: here standard logic applies, i.e. in case of a message subscription containing, potentially amongst other parameters, the "Instruction Status Reason Code" with a specific reason value, then the message should be sent if at least one of the reason codes in any of the repetitive sequences for pending/failing reasons equals the subscription parameter.
- Negative Rules: here additional logic is needed to ensure that T2S only filters out those messages which exclusively contain the information that should not be sent. However, if the message contains additional information, e.g. an additional processing status or matching status, then it should not be filtered, i.e. it should be sent. This implies additional conditions on the non-existence of other "Message Status" sequences in the message, and on the non-existence of other reportable status reasons. Namely, in case of a negative message subscription containing "Instruction Status Reason Code" as parameter, the message should not be sent if both of the following conditions apply (else it should be sent – assuming there is a positive rule to that effect):

- o The message contains only "Settlement Status" on message status level, i.e. the message does not report any other message status (such as "Processing Status" or "Matching Status"), unless such additional status sequences were requested in the subscription rule via additional "Message Status" parameters or implicitly via "Instruction Status" parameters.
- o In case the message contains more than one "pending/failing" status reason code, all "pending/failing" status reason codes must match the rule.

In case the Message Subscription rule contains multiple values for the "Instruction Status Reason Code", those should be treated with the normal OR logic in T2S, i.e. the rule is matched if any of those values applies. This means:

- For Positive rules, the rule is matched if at least one of the "pending/failing" reason codes in any of the repetitive sequences is within the requested set of "Instruction Status Reason Codes".
- For Negative rules, the rule is matched if all "pending/failing" reason codes in any of the repetitive sequences are within the set of requested "Instruction Status Reason Codes".

Some artificial examples might illustrate this logic:

Example 1: Negative Message Subscription rule with one parameter "Instruction Status Reason Code" = "CSDH"

In this example, an (admittedly theoretical) negative message subscription is configured to not send messages containing pending or failing status reason code "CSDH". The message subscription rule would contain only one parameter:

- o "Instruction Status Reason Code" = "CSDH",

The following table shows for some messaging scenarios when the messages should be sent and when not:

Scenario	Evaluation	Explanation
Sese.024 Accepted with CSD Hold, instruction sent unmatched: • Processing Status = ACCEPTED • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Settlement status not exclusive: message contains also Processing and Matching status.
Sese.024 Accepted with CSD Hold, instruction sent already matched: • Processing Status = ACCEPTED • Matching Status = MATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Settlement status not exclusive: message contains also Processing and Matching status.
Sese.024 Accepted with Party Hold and CSD Hold, instruction sent unmatched: • Processing Status = ACCEPTED • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: PREA, CSDH	KO => To be sent	• Settlement status not exclusive: message contains also Processing and Matching status. • Status reason code "CSDH" not exclusive, the message contains also "PREA" reason.
Sese.024 Accepted with Party Hold and CSD Hold, instruction sent already matched: • Processing Status = ACCEPTED • Matching Status = MATCHED • Settlement Status = PENDING • Status Reason Code: PREA, CSDH	KO => To be sent	• Settlement status not exclusive: message contains also Processing and Matching status • Status reason code "CSDH" not exclusive, the message contains also "PREA" reason.
Sese.024 CSDH, instruction still unmatched: • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Settlement status not exclusive: message contains also Matching status
Sese.024 CSDH, after the instruction was matched: • Settlement Status = PENDING • Status Reason Code: CSDH	**OK => Not to be sent**	• Settlement status exclusive • Status reason code "CSDH" reported and exclusive
Sese.024 CSDH, instruction is already matched: • Settlement Status = PENDING • Status Reason Code: CSDH	**OK => Not to be sent**	• Settlement status exclusive • Status reason code "CSDH" reported and exclusive.

In case the T2S Actor would like to prevent T2S from sending the sese.024 CSDH also in the unmatched case (5th scenario), an additional rule with the additional parameter "Message Status = Matching status" can be configured.[7] The following example shows how such case should be handled by T2S:

Example 2: Negative Message Subscription rule with parameters "Message Status = Matching Status" and "Instruction Status Reason Code" = "CSDH"

In this example, the same rule as in example 1 is configured, however, now in combination with "Message Status = Matching Status". I.e. the rule contains two parameters:

- o "Message status" = "Matching status"
- o "Instruction Status Reason Code" = "CSDH",

With this rule, the message should not be sent if it contains a "Matching Status" and in addition the requested "Instruction Status Reason Code" (in the settlement status reporting).

For this rule, the evaluation for the same scenarios as above would show the following results:

Scenario	Evaluation	Explanation
Sese.024 Accepted with CSD Hold, instruction sent unmatched: • Processing Status = ACCEPTED • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Matching status reported => OK • Beyond Matching status (which was requested in the rule), Settlement status not exclusive: message contains also Processing status => KO
Sese.024 Accepted with CSD Hold, instruction sent already matched: • Processing Status = ACCEPTED • Matching Status = MATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Matching status reported => OK • Beyond Matching status (which was requested in the rule), Settlement status not exclusive: message contains also Processing status => KO
Sese.024 Accepted with Party Hold and CSD Hold, instruction sent unmatched: • Processing Status = ACCEPTED • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: PREA, CSDH	KO => To be sent	• Matching status reported => OK • Beyond Matching status (which was requested in the rule), Settlement status not exclusive: message contains also Processing status => KO • Status reason code "CSDH" not exclusive, the message contains also "PREA" reason => KO
Sese.024 Accepted with Party Hold and CSD Hold, instruction sent already matched: • Processing Status = ACCEPTED • Matching Status = MATCHED • Settlement Status = PENDING • Status Reason Code: PREA, CSDH	KO => To be sent	• Matching status reported => OK • Beyond Matching status (which was requested in the rule), Settlement status not exclusive: message contains also Processing status => KO • Status reason code "CSDH" not exclusive, the message contains also "PREA" reason
Sese.024 CSDH, instruction still unmatched: • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	**OK => Not to be sent**	• Matching status reported => OK • Beyond Matching status (which was requested in the rule), Settlement status exclusive => OK • Status reason code "CSDH" reported and exclusive => OK
Sese.024 CSDH, after the instruction was matched: • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Message does not contain matching status
Sese.024 CSDH, instruction is already matched: • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Message does not contain matching status

In case T2S Actors would also like to filter out the messages in the first two scenarios, they need to configure a messages subscription rule with three parameters: "Message Status", "Instruction Status" and "Instruction Status Reason Code":

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[7] The straightforward approach to implement a rule with "Instruction Status" = "unmatched" is not possible, as this instruction status is not supported in the message subscription rules.

Example 3: Negative Message Subscription rule with parameters "Message Status = Matching Status", "Instruction Status" = ACCEPTED and "Instruction Status Reason Code" = "CSDH"

In this example, a negative message subscription rule with three parameters is configured:

- o "Message status" = "Matching status",
- o "Instruction status" = ACCEPTED,
- o "Instruction Status Reason Code" = "CSDH".

In other words, a message should be filtered out if it contains a matching status, the "ACCEPTED" instruction status and in addition the requested "Instruction Status Reason Code" = CSDH (in the settlement status reporting).

For this rule, the evaluation for the same scenarios as above would show the following results:

Scenario	Evaluation	Explanation
Sese.024 Accepted with CSD Hold, instruction sent unmatched: • Processing Status = ACCEPTED • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	**OK => Not to be sent**	• Matching status reported => OK • Instruction status "ACCEPTED" reported => OK • Beyond Matching status (which was requested in the rule) and Processing status (which is a consequence of instruction status "ACCEPTED" which was requested in the rule), settlement status is exclusive => OK • Status reason code "CSDH" reported and exclusive => OK
Sese.024 Accepted with CSD Hold, instruction sent already matched: • Processing Status = ACCEPTED • Matching Status = MATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	**OK => Not to be sent**	• Matching status reported => OK • Instruction status "ACCEPTED" reported => OK • Beyond Matching status (which was requested in the rule) and Processing status (which is a consequence of instruction status "ACCEPTED" which was requested in the rule), settlement status is exclusive => OK • Status reason code "CSDH" reported and exclusive => OK
Sese.024 Accepted with Party Hold and CSD Hold, instruction sent unmatched: • Processing Status = ACCEPTED • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: PREA, CSDH	KO => To be sent	• Status reason code "CSDH" not exclusive, the message contains also "PREA" reason => KO
Sese.024 Accepted with Party Hold and CSD Hold, instruction sent already matched: • Processing Status = ACCEPTED • Matching Status = MATCHED • Settlement Status = PENDING • Status Reason Code: PREA, CSDH	KO => To be sent	• Status reason code "CSDH" not exclusive, the message contains also "PREA" reason => KO.
Sese.024 CSDH, instruction still unmatched: • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Matching status reported. => OK • Message does not contain instruction status "ACCEPTED" => KO
Sese.024 CSDH, after the instruction was matched: • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Message does not contain matching status. • Message does not contain instruction status "ACCEPTED"
Sese.024 CSDH, instruction is already matched: • Settlement Status = PENDING • Status Reason Code: CSDH	KO => To be sent	• Message does not contain matching status. • Message does not contain instruction status "ACCEPTED"

Example 4: Negative Message Subscription rule with parameters "Message Status = Matching Status", "Instruction Status" = ACCEPTED and "Instruction Status Reason Code" = "PREA, CSDH"

This example illustrates the logic in case the rule contains multiple "Instruction Status Reason Codes". In this example, a negative rule is configured with three parameters whereby the "Instruction Status Reason Code" has two values, CSDH and PREA:

- • "Message status" = "Matching status",
- • "Instruction status" = ACCEPTED,
- • "Instruction Status Reason Code" = "CSDH, PREA".

For this rule, the evaluation for some example scenarios would show the following results:

Scenario	Evaluation	Explanation
Sese.024 Accepted with CSD Hold, instruction sent unmatched: • Processing Status = ACCEPTED • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: CSDH	**OK => Not to be sent**	• Matching status reported => OK • Instruction status "ACCEPTED" reported => OK • Beyond Matching status (which was requested in the rule) and Processing status (which is a consequence of instruction status "ACCEPTED" which was requested in the rule), settlement status is exclusive => OK • All status reason codes are within the expected set "CSDH, PREA" => OK
Sese.024 Accepted with CSD Hold and CVAL, instruction sent already matched: • Processing Status = ACCEPTED • Matching Status = MATCHED • Settlement Status = PENDING • Status Reason Code: CSDH, CVAL	KO => To be sent	• Matching status reported => OK • Instruction status "ACCEPTED" reported => OK • Beyond Matching status (which was requested in the rule) and Processing status (which is a consequence of instruction status "ACCEPTED" which was requested in the rule), settlement status is exclusive => OK • Not all status reason codes are within the expected set "CSDH, PREA" (due to the additional CVAL) => KO
Sese.024 Accepted with Party Hold and CSD Hold, instruction sent unmatched: • Processing Status = ACCEPTED • Matching Status = UNMATCHED • Settlement Status = PENDING • Status Reason Code: PREA, CSDH	**OK => Not to be sent**	• Matching status reported => OK • Instruction status "ACCEPTED" reported => OK • Beyond Matching status (which was requested in the rule) and Processing status (which is a consequence of instruction status "ACCEPTED" which was requested in the rule), settlement status is exclusive => OK • All status reason codes are within the expected set "CSDH, PREA" => OK
Sese.024 Accepted with Party Hold, CSD Hold and CVAL, instruction sent already matched: • Processing Status = ACCEPTED • Matching Status = MATCHED • Settlement Status = PENDING Status Reason Code: PREA, CSDH, CVAL	KO => To be sent	• Matching status reported => OK • Instruction status "ACCEPTED" reported => OK • Beyond Matching status (which was requested in the rule) and Processing status (which is a consequence of instruction status "ACCEPTED" which was requested in the rule), settlement status is exclusive => OK • Not all status reason codes are within the expected set "CSDH, PREA" (due to the additional CVAL) => KO

Limitations

The examples above show that with the suggested logic is it also possible to filter out specific messages in scenarios that contain various status information (processing, matching, settlement) in parallel. However, it should also be noted that there might be combinations of status which cannot be covered by such rules. For example, it will not be possible to specifically exclude just the first scenario "*Sese.024 Accepted with CSD Hold, instruction sent unmatched*" only[8]. Such limitations are considered acceptable, to limit the complexity and implementation impact of the CR.

Another limitation is that it will not be possible to filter out only those messages that contain a specific set of more than one status reasons (e.g. only those that have PREA and CSDH reasons). This is a consequence of the OR logic to be applied in case of a rule with multiple "Instruction Status Reason Codes". Again, this limitation is considered acceptable, as the value added of such logic is rather small while the additional complexity would be quite high.

Submitted annexes / related documents:

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[8] This is a consequence of the fact that "Unmatched" is an instruction status which cannot be used in subscription rules. Same limitation applied for "Failing" settlement status.

Outcome/Decisions:

* CRG on 27 November 2019: The CRG agreed to launch the preliminary assessment of CR-723.

* CRG on 22 January 2020: The CRG agreed to launch the preliminary assessment.

* CRG on 26 May 2020: The CRG took note of the results of the preliminary assessment of CR-723, and agreed to recommend the CR for authorisation by the T2S Steering Level.

* AMI-SeCo on 8 June 2020: The AMI-SeCo has agreed to the recommendation of the CRG to authorise this Change Request.

* CSG on 9 June 2020: The CSG authorised CR-723 for allocation to a T2S release.

* NECSG on 10 June 2020: The CSG authorised CR-723 for allocation to a T2S release.

* MIB on 15 June 2020: The MIB authorised the CR for ranking and allocation to a T2S release.

* PMG on 08 July 2021: the PMG launched the detailed assessment of CR-723 in view of R6.0

*CRG on 09 November 2021: the CRG agreed to recommend to the PMG the inclusion of CR-0723 in the scope of R6.2.

*OMG on 18 November 2021: the OMG identified an operational impact from the inclusion of CR-0723 in R6.2.

*PMG on 19 November 2021: the PMG agreed to recommend the inclusion of CR-0723 in the scope of R6.2.

*CSG on 01 December 2021: the CSG approved the inclusion of CR-723 in the scope of R6.2

*NECSG on 01 December 2021: the NECSG approved the inclusion of CR-723 in the scope of R6.2

*MIB on 02 December 2021: the MIB approved the inclusion of CR-723 in the scope of R6.2

Documentation to be updated:

URD
11.10.1 Message subscription service

Reference ID	T2S.11.640

T2S shall provide a rules-based, date-dependent message subscription service. The message subscription service shall allow CSDs and CBs to configure, for themselves or for their T2S parties with direct connectivity to T2S, a subscription to copies of messages sent between a directly connected T2S party and T2S in real time using push mode messaging. T2S shall support the following parameters for the subscription of messages:

- Message type;

- Instruction type;

- Message status;

- Instruction status;

- Instruction status reason code

- Party or account qualifier;

- Party or account identifier depending on party or account qualifier;

- and ISIN.

GFS

3.2.5.3 Description of the functions of the module
3 – Check A2A Message Subscription
All messages, which are used by T2S, are available for message subscription {T2S.13.020} (except the above mentioned, which are always delivered. The message subscription definition is stored and maintained by T2S System Users in the Static Data Management {T2S.13.030}. The respective Message Subscriptiondefinitions for the message subscription services are based on the following parameters:

| Message type;
| Instruction type;
| Message status;
| Instruction status;
| Party;
| Securities Account;
| T2S Dedicated Cash Account;
| ISIN;
| Transaction Code
| Currency
| Already matched flag
| Settlement Transaction Condition Code
| Business Sending Party
| System User Reference
| Instructing Party
| Instruction Status Reason Code.

The usage of the above mentioned criteria is optional. They can be combined or the criteria can be ignored. In case the above mentioned criteria are ignored, it is still possible to subscribe to all messages in all cases or no messages at all {T2S.13.050}.
The positive/negative parameter allows subscribing Parties to explicitly refuse to receive messages that match certain criteria. If the parameter is set to negative it means that the Party does not receive messages which match the rule set.[1] By setting it to positive the Party receive messages matching the rule set (i.e. the normal subscription behaviour). In the event of an overlap, "negative" rule sets have priority over "positive" rule sets.

[1] Exception exists for parameter "Instruction Status Reason Code". For this parameter, also the paths of Message status, Instruction status and all Instruction Status Reason Codes reported in the respective message are relevant. As long as one or more statuses or codes are provided in the respective message that do not match the one set up in the negative message subscription rule, the negative rule is not applied and the messages are sent provided a corresponding positive subscription rule exists.

Message Subscription Matrix – Example:

System Entity: CSD X

Recipient: Interested Party B

Rule Set Valid From: January 1st, 2013

RULE SEQUENCE	MESSAGE TYPE	MESSAGE STATUS	INSTRUCTION TYPE	INSTRUCTION STATUS	PARTY	SECURITIES ACCOUNT	ISIN	T2S DEDICATED CASH ACCOUNT	TRANSACTION CODE	CURRENCY	ALREADY MATCHED FLAG	SETTLEMENT TRANSACTION CONDITION CODE	BUSINESS SENDING PARTY	SYSTEM USER REFERENCE	INSTRUCTING PARTY	Instruction Status Reason Code
1								Cash A/C 9876								
2	Settlement Instruction					Account ABC										
3					Bank A											
					Bank B											

UDFS V6.0

1.3.4.1 Message subscription configuration

The positive/negative parameter allows subscribing Parties to explicitly refuse to receive messages that match certain criteria. If set to negative it means that the Party/ies does not receive messages which match the rule set.[1] Setting it to positive means that the Party/ies receive messages matching the rule set (i.e., the normal subscription behaviour). In the event of an overlap, "negative" rule sets have priority over "positive" rule sets.

[1] Exception exists for parameter "Instruction Status Reason Code". For this parameter, also the paths of Message status, Instruction status and all Instruction Status Reason Codes reported in the respective message are relevant. As long as one or more statuses or codes are provided in the respective message that do not match the one set up in the negative message subscription rule, the negative rule is not applied and the messages are sent provided a corresponding positive subscription rule exists.

TABLE 83 - MESSAGE SUBSCRIPTION PARAMETER TYPES

PARAMETER TYPE	DESCRIPTION
…	…
Instruction Status	It specifies the status of the instruction. The exhaustive list of possible status values of instructions is as follows, depending on the message type:
	For camt.025:
	I LIMC (Static data Limit maintenance "Completed" code)
	I LIMQ (Static data Limit maintenance "Queued" code)
	I LIMR (Static data Limit maintenance "Rejected" code)
	I LTOC (Static data Liquidity Transfer Order maintenance "Completed" code)
	I LTOQ (Static data Liquidity Transfer Order maintenance "Queued" code)
	I LTOR (Static data Liquidity Transfer Order maintenance "Rejected" code)
	I APPR (Liquidity Transfer "Approved" code)
	I SPAS (Liquidity Transfer "Partially Settled" code
	I SSET (Liquidity Transfer "Settled" code)
	I SUNS (Liquidity Transfer "Unsettled" code)
	I RREJ (RTGS "Rejected" code)
	For semt.014, sese.024, sese.027, sese.031, sese.032, camt.067, camt.073 and camt.075:
	I AckdAccptd (Accepted)
	For semt.014, sese.024, sese.027, camt.067 and camt.075:
	I Canc (Cancelled)
	For semt.014, sese.024, sese.032 and camt.067:
	I Pdg (Pending)
	For sese.027, sese.031, camt.073 and camt.075:
	I Dnd (Denied)
	For sese.031 and camt.073:
	I Cmpltd (Completed)
	For sese.024:

PARAMETER TYPE	DESCRIPTION
	l Mtchd (Matched) **l** CxlReqd (Cancellation Requested) For sese.027: **l** PdgCxl (Pending Cancellation)
<u>Instruction Status Reason Code</u>	<u>It specifies the reason codes of "pending" and "failing" settlement status messages.The exhaustive list of possible status reason codes is as follows, depending on the message type:</u> <u>For semt.014</u> **l** <u>PendingReason10Code (please add link to the corresponding title in UDFS section 4.2.1)</u> **l** <u>FailingReason3Code (please add link to the corresponding title in UDFS section 4.2.1)</u> <u>For sese.024</u> **l** <u>PendingReason2Code (please add link to the corresponding title in UDFS section 4.2.1)</u> **l** <u>FailingReason2Code (please add link to the corresponding title in UDFS section 4.2.1)</u> <u>For camt.067</u> **l** <u>PendingReason10Code (please add link to the corresponding title in UDFS section 4.2.1)</u> **l** <u>FailingReason3Code (please add link to the corresponding title in UDFS section 4.2.1)</u>…
….	….

TABLE 85 - APPLICABLE PARAMETER TYPES FOR OUTGOING MESSAGES

MESSAGE TYPE	MESSAGE ID.	INSTRUCTION TYPE	MESSAGE STATUS	PARTY	SECURITIES ACCOUNT	ISIN	T2S DEDICATED CASH ACCOUNT	INSTRUCTION STATUS	INSTRUCTION STATUS REASON CODE	TRANSACTION CODE	CURRENCY	ALREADY MATCHED FLAG	SETTLEMENT TRANSACTION CONDITION CODE	BUSINESS SENDING PARTY	SYSTEM USER REFERENCE	INSTRUCTING PARTY
AccountRequestAcknowledgement	acmt.010	No	Yes	Yes	No	No	Yes	No	<u>No</u>	No	No	No	No	No	No	No
PartyStatusAdvice	reda.016	No	Yes	Yes	No	No	No	No	<u>No</u>	No	No	No	No	No	No	No
SecurityCreationStatusAdvice	reda.008	No	Yes	No	No	Yes	No	No	<u>No</u>	No	No	No	No	No	No	No
SecurityMaintenanceStatusAdvice	reda.029	No	Yes	No	No	Yes	No	No	<u>No</u>	No	No	No	No	No	No	No
SecurityDeletionStatusAdvice	reda.030	No	Yes	No	No	Yes	No	No	<u>No</u>	No	No	No	No	No	No	No
SecuritiesAccountStatusAdvice	reda.020	No	Yes	No	Yes	No	No	No	<u>No</u>	No	No	No	No	No	No	No
CollateralDataStatusAdvice	reda.028	No	Yes	No	No	No	No	No	<u>No</u>	No	No	No	No	No	No	No
EligibleCounterpartCSDStatusAdvice	reda.044	No	Yes	No	No	No	No	No	<u>No</u>	No	No	No	No	No	No	No
SecurityCSDLinkStatusAdvice	reda.047	No	Yes	Yes	No	Yes	No	No	<u>No</u>	No	No	No	No	No	No	No
AccountLinkStatusAdvice	reda.051	No	Yes	No	Yes	No	Yes	No	<u>No</u>	No	No	No	No	No	No	No
ReturnBusinessDayInformation	camt.019	No	No	No	No	No	No	No	<u>No</u>	No	No	No	No	No	No	No
Receipt	camt.025	No	No	No	No	No	No	Yes	<u>No</u>	No	No	No	No	No	No	No
BankToCustomerDebitCreditNotification	camt.054	Yes	No	No	No	No	Yes	No	<u>No</u>	No	Yes	No	No	No	No	No
IntraPositionMovementStatusAdvice	semt.014	No	Yes	Yes	Yes	Yes	No	Yes	<u>Yes</u>	No	No	No	No	Yes	No	Yes
IntraPositionMovementConfirmation	semt.015	No	No	Yes	Yes	Yes	No	No	<u>No</u>	No	No	No	No	Yes	No	Yes
SecuritiesSettlementTransactionStatusAdvice	sese.024	Yes	Yes	Yes	Yes	Yes	No	Yes	<u>Yes</u>	Yes	Yes	Yes	Yes	Yes	No	Yes

MESSAGE TYPE	MESSAGE ID.	INSTRUCTION TYPE	MESSAGE STATUS	PARTY	SECURITIES ACCOUNT	ISIN	T2S DEDICATED CASH ACCOUNT	INSTRUCTION STATUS	INSTRUCTION STATUS REASON CODE	TRANSACTION CODE	CURRENCY	ALREADY MATCHED FLAG	SETTLEMENT TRANSACTION CONDITION CODE	BUSINESS SENDING PARTY	SYSTEM USER REFERENCE	INSTRUCTING PARTY
SecuritiesSettlementTransactionConfirmation	sese.025	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes
SecuritiesTransactionCancellationRequestStatusAdvice	sese.027	No	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes	No	Yes
SecuritiesSettlementTransactionAllegementNotification	sese.028	No	No	Yes	Yes	Yes	No	No	No	Yes	Yes	No	No	No	No	No
SecuritiesMessageCancellationAdvice	semt.020	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No
SecuritiesSettlementAllegementRemovalAdvice	sese.029	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No
SecuritiesSettlementConditionsModificationStatusAdvice	sese.031	No	Yes	Yes	Yes	No	No	Yes	No	No	No	Yes	No	Yes	No	Yes
IntraBalanceMovementStatusAdvice	camt.067	No	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No	No	Yes	No	Yes
IntraBalanceMovementConfirmation	camt.068	No	No	Yes	No	No	Yes	No	No	No	Yes	No	No	Yes	No	Yes
SecuritiesSettlementTransactionGenerationNotification	sese.032	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No	Yes	No	Yes
IntraBalanceMovementModificationRequestStatusAdvice	camt.073	No	Yes	Yes	No	No	Yes	Yes	No	No	Yes	No	No	Yes	No	Yes
IntraBalanceMovementCancellationRequestStatusAdvice	camt.075	No	Yes	Yes	No	No	Yes	Yes	No	No	Yes	No	No	Yes	No	Yes

TABLE 86 - MAPPING BETWEEN APPLICABLE PARAMETER TYPES AND MESSAGE FIELDS

APPLICABLE PARAMETER TYPE	TYPE OF CHECK	MESSAGE	MESSAGE FIELD
…	…	…	…
Instruction Status Reason Code	Direct	sese.024	\SctiesSttlmTxStsAdvc/SttlmSts/Pdg/NoSpcfdRsn
			\SctiesSttlmTxStsAdvc/SttlmSts/Pdg/Rsn/Cd/Cd
			\SctiesSttlmTxStsAdvc/SttlmSts/Flng/NoSpcfdRsn
			\SctiesSttlmTxStsAdvc/SttlmSts/Flng/Rsn/Cd/Cd
		semt.014	\IntraPosMvmntStsAdvc/SttlmSts/Pdg/NoSpcfdRsn
			\IntraPosMvmntStsAdvc/SttlmSts/Pdg/Rsn/Cd/Cd
			\IntraPosMvmntStsAdvc/SttlmSts/Flng/NoSpcfdRsn
			\IntraPosMvmntStsAdvc/SttlmSts/Flng/Rsn/Cd/Cd
		camt.067	\IntraBalMvmntStsAdvc/SttlmSts/Pdg/NoSpcfdRsn
			\IntraBalMvmntStsAdvc/SttlmSts/Pdg/Rsn/Cd/Cd
			\IntraBalMvmntStsAdvc/SttlmSts/Flng/NoSpcfdRsn
			\IntraBalMvmntStsAdvc/SttlmSts/Flng/Rsn/Cd/Cd
Transaction Code	Direct	sese.032	\SctiesSttlmTxGnrtnNtfctn\SttlmParams\SctiesTxTp\Cd

UHB

2.8.2.5.4 Message Subscription Rules – New/Edit Screen

Predicates (Set of groups of Parameters)	
…	…
Instruction Status	If the Group contains a Parameter of this type, this field contains the corresponding Parameter Value. When the user clicks on the "Add predicate" button, the displayed pop-up shows a select box containing a set of values al-lowed for this field
	❚ DRCF008
	❚ DRUF008
	❚ This parameter type is selectable when the service linked to the Rule Set is T2S

Predicates (Set of groups of Parameters)	
Instruction Status Reason Code	If the Group contains a Parameter of this type, this field contains the corresponding Parameter Value. When the user clicks on the "Add predicate" button, the displayed pop-up shows a select box containing a set of values al-lowed for this I DRCF008 I DRUF008 I This parameter type is selectable when the service linked to the Rule Set is T2S
…	…

6.5.2.69 Message Subscription Rule - New/Edit Screen

Reference for error message	Field or Button	Error Text	Description
…	…	…	…
DRCF008	I Message Type field I Instruction Type field I Message Status field I Party BIC field I Securities Account Number field I ISIN field I T2S Dedicated Cash Account Number field I Instruction Status field I Instruction Status Reason Code field I ISO Transaction Code field I Currency field I Already Matched Flag	Invalid combination of parameter types for the given message type	When performing a Message Subscription Rule creation request, certain parameter types are only applicable for a number of message types, as described below: - Instruction Type: only applicable for message types SettlementInstruction, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, BankToCustomerDebitCreditNotification - Message Status: only applicable for AccountRequestAcknowledgement, PartyStatusAdvice, SecurityCreationStatusAdvice,

Reference for error message	Field or Button	Error Text	Description
	field ❙ Settlement Transaction Condition Code field ❙ Business Sending Party field ❙ System User Reference field ❙ Instructing Party field		SecurityMaintenanceStatusAdvice, SecurityDeletionStatusAdvice, SecuritiesAccountStatusAdvice, CollateralDataStatusAdvice, EligibleCounterpartCSDStatusAdvice, SecuritiesCSDLinkStatusAdvice, AccountLinkStatusAdvice, Receipt, IntraPositionMovementStatusAdvice, SecuritiesSettlementTransactionStatusAdvice, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, IntraBalanceMovementStatusAdvice, IntraBalanceMovementModificationRequestStatusAdvice, IntraBalanceMovementCancellationRequestStatusAdvice. - Party: only applicable for SettlementInstruction, SettlementRestriction on securities, SettlementRestriction on cash, AccountRequestAcknowledgement, PartyStatusAdvice, SecuritiesCSDLinkStatusAdvice, IntraPositionMovementStatusAdvice, IntraPositionMovementConfirmation, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionC

Reference for error message	Field or Button	Error Text	Description
			ancellationRequestStatusAdvice, SecuritiesSettlementTransactionAllegementNotification, SecuritiesMessageCancellationAdvice, SecuritiesSettlementAllegementRemovalAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, IntraBalanceMovementStatusAdvice, IntraBalanceMovementConfirmation, SecuritiesSettlementTransactionGenerationNotification, IntraBalanceMovementModificationRequestStatusAdvice, IntraBalanceMovementCancellationRequestStatusAdvice, SecuritiesMessageCancellationAdvice. - Securities Account: only applicable for SettlementInstruction, SettlementRestriction on securities, SecuritiesAccountStatusAdvice, IntraPositionMovementStatusAdvice, IntraPositionMovementConfirmation, AccountLinkStatusAdvice, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementTransactionAllegementNotification, SecuritiesMessageCancellationAdvice,

Reference for error message	Field or Button	Error Text	Description
			SecuritiesSettlementAllegementRemovalAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, SecuritiesSettlementTransactionGenerationNotification, SecuritiesMessageCancellationAdvice. - ISIN: only applicable for SettlementInstruction, SettlementRestriction on securities, SecurityCreationStatusAdvice, SecurityMaintenanceStatusAdvice, SecurityDeletionStatusAdvice, SecuritiesCSDLinkStatusAdvice, IntraPositionMovementStatusAdvice, IntraPositionMovementConfirmation, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementTransactionAllegementNotification, SecuritiesSettlementAllegementRemovalAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, SecuritiesSettlementTransactionGenerationNotification. - Cash Account: only applicable for SettlementInstruction, SettlementRestriction on

Reference for error message	Field or Button	Error Text	Description
			cash,AccountRequestAcknowledgement, BankToCustomerDebitCreditNotification, AccountLinkStatusAdvice, SecuritiesSettlementTransactionConfirmation, IntraBalanceMovementStatusAdvice, IntraBalanceMovementConfirmation, SecuritiesSettlementTransactionGenerationNotification, IntraBalanceMovementModificationRequestStatusAdvice, IntraBalanceMovementCancellationRequestStatusAdvice, ResolutionOfInvestigation, PaymentStatusReport. - Instruction Status: only applicable for IntraPositionMovementStatusAdvice, SecuritiesSettlementTransactionStatusAdvice, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, IntraBalanceMovementStatusAdvice, IntraBalanceMovementModificationRequestStatusAdvice, IntraBalanceMovementCancellationRequestStatusAdvice. - Instruction Status Reason Code: only applicable for Securities Settlement Transaction Status Advice, Intra Position Movement Status

Reference for error message	Field or Button	Error Text	Description
			<u>Advice,</u> <u>Intra Balance</u> <u>Movement Status</u> <u>Advice.</u> - Transaction Code: only applicable for SettlementInstruction, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesSettlementTransactionAllegementNotification, SecuritiesSettlementTransactionGenerationNotification. - Currency: only applicable for SettlementInstruction, SettlementRestriction on cash,BankToCustomerDebitCreditNotification, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementTransactionAllegementNotification, IntraBalanceMovementStatusAdvice, IntraBalanceMovementConfirmation, SecuritiesSettlementTransactionGenerationNotification, IntraBalanceMovementModificationRequestStatusAdvice, IntraBalanceMovementCancellationRequestStatusAdvice. - Already Matched Flag: only applicable for SettlementInstruction,

Reference for error message	Field or Button	Error Text	Description
			SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementConditionsModificationStatusAdvice - Settlement Transaction Condition Code: only applicable for SettlementInstruction, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesSettlementTransactionGenerationNotification. - Business Sending Party: only applicable for SettlementInstruction, SettlementRestriction on securities, SettlementRestriction on cash, IntraPositionMovementStatusAdvice, IntraPositionMovementConfirmation, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, IntraBalanceMovementStatusAdvice, IntraBalanceMovementConfirmation, SecuritiesSettlementTransactionGenerationNotification,IntraBalanceMovementModification

Reference for error message	Field or Button	Error Text	Description
			RequestStatusAdvice IntraBalanceMovement CancellationRequestStatusAdvice, - Business Sending User: only applicable for SettlementInstruction, SettlementRestriction on securities, SettlementRestriction on cash - Instructing Party: only applicable for SettlementInstruction, SettlementRestriction on securities, SettlementRestriction on cash, IntraPositionMovement StatusAdvice, IntraPositionMovement Confirmation, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice SecuritiesSettlementConditionsModificationStatusAdvice, IntraBalanceMovement StatusAdvice, IntraBalanceMovement Confirmation, SecuritiesSettlementTransactionGenerationNotification,IntraBalance MovementModification RequestStatusAdvice IntraBalanceMovement CancellationRequestStatusAdvice, SecuritiesSettlementTransactionGenerationNotification.

Reference for error message	Field or Button	Error Text	Description
DRUF008	I Message Type field I Instruction Type field I Message Status field I Party BIC field I Securities Account Number field I ISIN field I T2S Dedicated Cash Account Number field I Instruction Status field I Instruction Status Reason Code field I ISO Transaction Code field I Currency field I Already Matched Flag field I Settlement Transaction Condition Code field I Business Sending Party field I System User Reference field I Instructing Party field	Invalid combination of parameter types for the given message type	When performing a Message Subscription Rule update request, certain parameter types are only applicable for a number of message types, as described below: - Instruction Type: only applicable for message types SettlementInstruction, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, BankToCustomerDebitCreditNotification - Message Status: only applicable for AccountRequestAcknowledgement, PartyStatusAdvice, SecurityCreationStatusAdvice, SecurityMaintenanceStatusAdvice, SecurityDeletionStatusAdvice, SecuritiesAccountStatusAdvice, CollateralDataStatusAdvice, EligibleCounterpartCSDStatusAdvice, SecuritiesCSDLinkStatusAdvice, AccountLinkStatusAdvice, Receipt, IntraPositionMovementStatusAdvice, SecuritiesSettlementTransactionStatusAdvice, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, IntraBalanceMovementStatusAdvice, IntraBalanceMovement

Reference for error message	Field or Button	Error Text	Description
			ModificationRequestStatusAdvice, IntraBalanceMovementCancellationRequestStatusAdvice. - Party: only applicable for SettlementInstruction, SettlementRestriction on securities, SettlementRestriction on cash, AccountRequestAcknowledgement, PartyStatusAdvice, SecuritiesCSDLinkStatusAdvice, IntraPositionMovementStatusAdvice, IntraPositionMovementConfirmation, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementTransactionAllegementNotification, SecuritiesMessageCancellationAdvice, SecuritiesSettlementAllegementRemovalAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, IntraBalanceMovementStatusAdvice, IntraBalanceMovementConfirmation, SecuritiesSettlementTransactionGenerationNotification, IntraBalanceMovementModificationRequestStatusAdvice, IntraBalanceMovementCancellationRequestStatusAdvice, SecuritiesMessageCan

Reference for error message	Field or Button	Error Text	Description
			cellationAdvice. - Securities Account: only applicable for SettlementInstruction, SettlementRestriction on securities, SecuritiesAccountStatusAdvice, IntraPositionMovementStatusAdvice, IntraPositionMovementConfirmation, AccountLinkStatusAdvice, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementTransactionAllegementNotification, SecuritiesMessageCancellationAdvice, SecuritiesSettlementAllegementRemovalAdvice, SecuritiesSettlementConditionsModificationStatusAdvice, SecuritiesSettlementTransactionGenerationNotification, SecuritiesMessageCancellationAdvice. - ISIN: only applicable for SettlementInstruction, SettlementRestriction on securities, SecurityCreationStatusAdvice, SecurityMaintenanceStatusAdvice, SecurityDeletionStatusAdvice, SecuritiesCSDLinkStatusAdvice, IntraPositionMovementStatusAdvice,

Reference for error message	Field or Button	Error Text	Description
			IntraPositionMovement Confirmation, SecuritiesSettlementTr ansactionStatusAdvice, SecuritiesSettlementTr ansactionConfirmation, SecuritiesTransactionC ancellationRequestStat usAdvice, SecuritiesSettlementTr ansactionAllegementN otification, SecuritiesSettlementAll egementRemovalAdvic e, SecuritiesSettlementCo nditionsModificationSta tusAdvice, SecuritiesSettlementTr ansactionGenerationN otification. - Cash Account: only applicable for SettlementInstruction, SettlementRestriction on cash,AccountRequestA cknowledgement, BankToCustomerDebit CreditNotification, AccountLinkStatusAdvi ce, SecuritiesSettlementTr ansactionConfirmation, IntraBalanceMovement StatusAdvice, IntraBalanceMovement Confirmation, SecuritiesSettlementTr ansactionGenerationN otification, IntraBalanceMovement ModificationRequestSt atusAdvice, IntraBalanceMovement CancellationRequestSt atusAdvice, ResolutionOfInvestigati on, PaymentStatusReport. - Instruction Status: only applicable for

Reference for error message	Field or Button	Error Text	Description
			IntraPositionMovement StatusAdvice, SecuritiesSettlementTr ansactionStatusAdvice, SecuritiesTransactionC ancellationRequestStat usAdvice, SecuritiesSettlementCo nditionsModificationSta tusAdvice, IntraBalanceMovement StatusAdvice, IntraBalanceMovement ModificationRequestSt atusAdvice, IntraBalanceMovement CancellationRequestSt atusAdvice. - Instruction Status Reason Code: only applicable for Securities Settlement Transaction Status Advice, Intra Position Movement Status Advice, Intra Balance Movement Status Advice. - Transaction Code: only applicable for SettlementInstruction, SecuritiesSettlementTr ansactionStatusAdvice, SecuritiesSettlementTr ansactionConfirmation, SecuritiesSettlementTr ansactionAllegementN otification, SecuritiesSettlementTr ansactionGenerationN otification. - Currency: only applicable for SettlementInstruction, SettlementRestriction on cash,BankToCustomer DebitCreditNotification, SecuritiesSettlementTr

Reference for error message	Field or Button	Error Text	Description
			ansactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementTransactionAllegementNotification, IntraBalanceMovementStatusAdvice, IntraBalanceMovementConfirmation, SecuritiesSettlementTransactionGenerationNotification, IntraBalanceMovementModificationRequestStatusAdvice, IntraBalanceMovementCancellationRequestStatusAdvice.

- Already Matched Flag: only applicable for SettlementInstruction, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice, SecuritiesSettlementConditionsModificationStatusAdvice

- Settlement Transaction Condition Code: only applicable for SettlementInstruction, SecuritiesSettlementTransactionStatusAdvice, SecuritiesSettlementTransactionConfirmation, SecuritiesSettlementTransactionGenerationNotification.

- Business Sending Party: only applicable for |

Reference for error message	Field or Button	Error Text	Description
			SettlementInstruction, SettlementRestriction on securities, SettlementRestriction on cash, IntraPositionMovement StatusAdvice, IntraPositionMovement Confirmation, SecuritiesSettlementTr ansactionStatusAdvice, SecuritiesSettlementTr ansactionConfirmation, SecuritiesTransactionC ancellationRequestStat usAdvice, SecuritiesSettlementCo nditionsModificationSta tusAdvice, IntraBalanceMovement StatusAdvice, IntraBalanceMovement Confirmation, SecuritiesSettlementTr ansactionGenerationN otification,IntraBalance MovementModification RequestStatusAdvice IntraBalanceMovement CancellationRequestSt atusAdvice, - Business Sending User: only applicable for SettlementInstruction, SettlementRestriction on securities, SettlementRestriction on cash - Instructing Party: only applicable for SettlementInstruction, SettlementRestriction on securities, SettlementRestriction on cash, IntraPositionMovement StatusAdvice, IntraPositionMovement Confirmation, SecuritiesSettlementTr ansactionStatusAdvice,

Reference for error message	Field or Button	Error Text	Description
			SecuritiesSettlementTransactionConfirmation, SecuritiesTransactionCancellationRequestStatusAdvice SecuritiesSettlementConditionsModificationStatusAdvice, IntraBalanceMovementStatusAdvice, IntraBalanceMovementConfirmation, SecuritiesSettlementTransactionGenerationNotification,IntraBalanceMovementModificationRequestStatusAdvice IntraBalanceMovement CancellationRequestStatusAdvice, SecuritiesSettlementTransactionGeneration Notification.
…	…		…
		…	

Preliminary assessment:

Impact: high

Impacted modules: INTF, SDMG (CRDM), LTSI/LEA (DWH/LEA)

Findings:
- Currently status messages are sent/not sent if one of the configured message subscription rules matches. It is not foreseen to check on the occurrence of different message fields to decide if the rule should match or not. Therefore a new message subscription logic needs to be implemented with this CR.
- The new logic for the evaluation of negative rules could hamper the performance of the message subscription checks as it will become more complex. The performance impact will be evaluated in detail during the detailed assessment of this CR.
- Inclusion of a new parameter type and cross-validations with possible message types in SDMG will be required.
- During the preliminary assessment no impact of this CR could be identified on TIPS, CSLD and ECMS.

Open issues/ questions to be clarified by the originator:
- The understanding is that no new cross-validations between different parameters or parameter values are required at configuration level. In other words, as it is the case in the current functionality, it will be possible to input any combination of existing and new parameter types (possibly leading to configurations which do not match any possible message). The correct use of parameter types is left to the user.

Detailed assessment:

EUROSYSTEM ANALYSIS – GENERAL INFORMATION	
T2S Specific Components	**Common Components**

T2S Specific Components		Common Components	
LCMM			
	Instructions validation		
	Status management		
	Instruction matching		
	Instructions maintenance		
	Penalty Mechanism		
Settlement			
	Standardisation and preparation to settlement		
	Night-time Settlement		
	Daytime Recycling and optimisation		
	Daytime Validation, provisioning & booking		
	Auto-collateralisation		
Liquidity Management			
	Outbound Information Management		
	NCB Business Procedures		
	Liquidity Operations		
T2S Interface *(as of June 2022 without Static Data Management, Communication for SDMG, Scheduler, Billing)*			
	Communication		
X	Outbound Processing		
	Inbound Processing		
Static Data Management *(until June 2022)*		**Common Reference Data Management** *(from R6.0 June 2022)*	
	Party data management		Party data management
	Securities data management		Securities data management
	Cash account data management		Cash account data management
	Securities account data management		Securities account data management
X	Rules and parameters data management	X	Rules and parameters data management
Statistics and archive		**Statistics and archive**	
	Statistical information (until June 2022)		Short term statistical information
	Legal archiving (until June 2022)		Legal archiving (from R6.0)
			Data Warehouse (from R6.0)
Information *(until June 2022 containing reference data)*		**CRDM business interface** *(from R6.0 June 2022)*	
	Report management		Report management
	Query management		Query management
			Communication
			Outbound Processing
			Inbound Processing
Operational Services			
	Data Migration (T2S DMT)		Data Migration (CRDM DMT, from R6.0)
	Scheduling (until June 2022)		Business Day Management (from R6.0)
			Business Day Management business interface (from R6.0)
	Billing (until June 2022)		Billing (from R6.0)
			Billing business interface (from R6.0)

	Operational Monitoring		Operational and Business Monitoring
	MOP Contingency Templates		

Impact on major documentation

Document	Chapter	Change
Impacted GFS chapter	3.2.5.3 Description of the functions of the module	Inclusion of new parameter and footnote
Impacted UDFS chapter	SDMG: 1.3.4.1 Message subscription configuration	Inclusion of a footnote and new parameter for Tables 83, 85 and 86.
Additional deliveries for Message Specification (UDFS, MyStandards, MOP contingency templates)		
UHB	CRDM 2.8.2.5.4 Message Subscription Rules - List Screen 6.5.2.69 Message Subscription Rule - New/Edit Screen	Inclusion of the new parameter "Instruction status Reason Code" and consistency check with other parameters values.
External training materials		

Links with other requests

Links	Reference		Title	

Summary of functional, development, infrastructure and migration impacts

Introduction of the new message subscription parameter "Instruction status reason code" in the Interface.

New parameter is used as positive rule:
If the customer sets up a positive message subscription rule by using the new parameter the check on it follows the standard processing that already exists.

New parameter is used as negative rule:
In case of existence of a negative message subscription rule on this new parameter a new message subscription check must be implemented.

If the parameter "Instruction status reason code" is part of a negative message subscription rule, not only the values for "Instruction status reason code" but also if needed the message and instruction status reported in the above named messages must be considered.

It must be ensured that the negative message subscription rule is only valid if the parameters set up for "Message Status", "Instruction status" and/or "Instruction status reason code" exclusively reported in the respective messages and matching with the values set up. As far as different codes or more message status existing in the message as subscribed for, the negative rule should not be executed. Instead, the message should be send out in case a positive rule for sending is configured.

Main Cost Drivers:
- Implementation of the new message subscription parameter "Instruction status reason code" and of a new message subscription logic for negative rule sets including this new message subscription parameter.
- Implementation of consistency check with other parameters values.
- Testing all different variants and combinations of the new message subscription implementation. Execution of regression tests.

Impact on other TARGET Services and projects
No impact on Target2, CSLD, ECMS or TIPS
Summary of project risk
None
Security analysis
No adverse effect has been identified during security assessment

02 November 2021

Cost assessment on Change Requests

T2S-723-SYS – Introduce Reason Code as Parameter for T2S Message Subscription Logic			
One-off	Assessment costs* - Preliminary - Detailed	2,000.00 10,000.00	Euro Euro
One-off	Development costs	358,399.40	Euro
Annual	Operational costs - Maintenance costs - Running costs	 28,937.61 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).