

General Information (Origin of Request)		
<input type="checkbox"/> User Requirements (URD) <input checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
<b>Request raised by:</b> Deutsche Bundesbank on behalf of the German T2S NUG	<b>Institute:</b> Central Bank	<b>Date raised:</b> 12/07/2016
Cash forecast: skip cash closing days and introduce breakdown per Hold/Released status		<b>Request ref. no:</b> T2S 0630 SYS
<b>Request type:</b> Common	<b>Classification:</b> Scope enhancement	<b>Urgency:</b> Normal
<b>1. Legal/business importance parameter:</b> Low	<b>2. Market implementation efforts parameter:</b> Low	
<b>3. Operational/Technical risk parameter:</b> Low	<b>4. Financial impact parameter:</b> High	
<b>Requestor Category:</b> Central Bank	<b>Status:</b> Implemented	

### Reason for change and expected benefits/business motivation

A T2S payment bank needs to provide “sufficient” amount of CeBM in its DCAs. Since CeBM is a limited resource, banks treasurer do not want to overfund DCAs.

A CSD account/ SAC owner managing client securities holdings at CSD level in a so-called “omnibus account” usually uses “hold and release” functionality to control and manage its securities deliveries to the market, i.e. to prevent the unintended/ unauthorized use of client financial instruments. Hence DvP instructions belonging to an omnibus account at CSD level are usually sent to T2S/ the CSD in status “on hold” and “released” or they are partially released on ISD as result of an internal provision check of the custodian bank on their client account. The delivering party may also partially release its instruction.

In order to know to which extent its own RvP instructions can settle, i.e. needs to be funded, the payment bank requires the information about the hold/release status of the counter-leg – the DvP instruction. A payment bank (on the RvP side) does not want to provide CeBM at an early stage, where the DvP from the counterpart is still on hold. The same applies to the status of own DvP instructions for which the payment bank expects incoming cash, in case the DvP instruction is released or partially released as well as the counter-leg; the information is beneficial to avoid underfunding due to missing DvP settlement.

In addition RvP instructions can be put on hold/ released in order to allow payment banks to monitor the cash usage of underlying clients, hence this information is also of interest for the counterparty of the settlement instruction (i.e. the DvP leg); this applies vice versa also for DvP instructions and the related status information to the counterparty about their expected incoming cash.

The current T2S cash forecast query and report functionality does not differentiate whether the instruction to be funded is on hold or not. Therefore with current functionality, payment banks can only fund the full amount to be settled, independent from any consideration of hold/release status. This can lead to overfunding. This gap should be closed via this CR.

In case the next settlement day is a T2S working day but a cash holiday for the currency in scope, then there are no instructions/LTO that are eligible for settlement on this day, and therefore the Next Settlement Day Cash Forecast reports only zero results. Obviously, in such a situation the Next Settlement Day Cash Forecast is of limited value.

On the other hand, there is a reporting gap: if payment banks want to set up the Inbound Liquidity Transfers into T2S for the first Cash Settlement Day after the cash holiday, they have to do this on the last day prior to the cash holiday. However, at this time there is no cash forecast information available about the cash demand for the first cash settlement day after the holiday.

To solve the issue, the Next Settlement Day Cash Forecast should be changed into a Next Cash Settlement Day Cash Forecast. The calculation shall be based on instructions/LTO for which the intended settlement day is the next possible cash settlement day for the currency in scope. In case the next T2S business day is a

cash holiday, this would be the first cash settlement day after the cash holiday.

This change request shall cover the A2A and U2A cash forecast query and the cash forecast report.

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**Description of requested change:**

Even if the Cash Forecast information is aligned in A2A (report/ query) and in U2A (query), i.e. CR 540 (“Alignment of U2A and A2A cash forecast information”), the amount of expected debits and expected credits of all cash movements is not sufficient to identify expected debits based on DvPs put on “hold” by the counterparty.

Therefore the Cash Forecast shall be enhanced by displaying in addition to the above mentioned sum of debit/ sum of credit, a “thereof expected debits/ credits” in status “hold” vs “released” for both, counterparty instruction and own instructions (i.e. four new figures):

- Sum of debits:
  - Sum of debits, thereof debits – Counterparty and/ or own instructions on hold<sup>1</sup>
  - Sum of debits, thereof debits – Counterparty and own instruction released<sup>2</sup>
- Sum of credits
  - Sum of credits, thereof credits – Counterparty and/ or own instructions on hold<sup>1</sup>
  - Sum of credit, thereof credits – Counterparty and own instructions released<sup>2</sup>

These changes are foreseen for U2A impacting the following screens

- Cash Forecast – Search / List screen
- Cash Forecast – Details screen
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and for A2A impacting the following messages:

- For the Cash Forecast Query Response – camt.004
- For the Cash Forecast Report (Current Settlement Day Cash Information Report and Following Settlement Day Cash Forecast Report) – camt.052

The same information should be available for CORP credit cash movements and CORP debit cash movements (status “hold”/ “released” for counterparty instructions and own instructions in case of implementing CR 629.\* Finally, after implementing both related CRs the cash forecast (report and query) should contain in A2A and U2A:

- Sum of debits:
  - thereof debits (non CORP) – Counterparty and/ or own instructions on hold
  - thereof debits (non CORP) – Counterparty and own instruction released
  - thereof CORP related debits – own instructions on hold
  - thereof CORP related debits – own instructions released
- Sum of credits:
  - thereof credits (non CORP) – Counterparty and/ or own instructions on hold
  - thereof credits (non CORP) – Counterparty and own instructions released
  - thereof CORP related credits – Counterparty instructions on hold
  - thereof CORP related credits – Counterparty instructions released

For partially released instructions and their counterparty instructions, the amount corresponding to the released portion of the instruction should be reported in the “released” buckets, and the remaining amount should be reported in the “on hold” buckets.

\* There is a dependency to the CORP related change request CR0629 “Enhance Cash Forecast Query and Report to display CORP related cash movements separately”.

Definitions of the “Following Settlement Day Cash Forecast Report” and “Following Settlement Day Cash Forecast Query” must be updated to clarify that the “Following Settlement Day Cash Forecast” will report the cash demand for the next possible cash settlement day in the affected currency, i.e. for the next business day where the currency is again eligible for cash settlement. E.g.:

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<sup>1</sup> This figure considers Settlement Instructions that have the status “on hold” (it includes also the “on hold” portion of partially released instructions).

<sup>2</sup> This figure considers Settlement Instructions that are currently not „on hold“ (it includes also the released portion of partially released instructions).

Section 1.6.2.7.3 “Liquidity monitoring process”, UDFS v4.2, page 646:

Following Settlement Day Cash Forecast Report

This report provides a forecast of the cash needs for the following cash settlement day, i.e. for the next business day where the currency is again eligible for cash settlement. It provides information on the same fields as the above mentioned Current Settlement Day Cash Information Report, in order to enable the T2S Actor to prepare and dedicate in advance sufficient cash on the T2S Dedicated Cash Account for the following night-time settlement period, or in case the next settlement day is a cash holiday for the currency in scope, for the night time settlement period of the first settlement day on which the currency is again eligible for cash settlement.

Section 1.6.4.2.3 “Report generation process”, UDFS page 728:

Following Settlement Day Cash Forecast Report

This report is available in complete version only and provides T2S Actors the same information as the Current Settlement Day Cash Report just only for the following cash settlement day, i.e. for the next T2S settlement day where cash settlement in the affected currency is possible again. In case the next T2S settlement day is a cash holiday, this is the first settlement day after the cash holiday.

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**Submitted annexes / related documents:**

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**Proposed wording for the Change request:**

1.6.2.7.3 Liquidity monitoring process

Following Settlement Day Cash Forecast Report

This report provides a forecast of the cash needs for the following cash settlement day, i.e. for the next business day where the currency is again eligible for cash settlement. It provides information on the same fields as the above mentioned Current Settlement Day Cash Information Report, in order to enable the T2S Actor to prepare and dedicate in advance sufficient cash on the T2S Dedicated Cash Account for the following night-time settlement period, or in case the next settlement day is a cash holiday for the currency in scope, for the night time settlement period of the first settlement day on which the currency is again eligible for cash settlement.

1.6.4.2.3 Report generation process

Following Settlement Day Cash Forecast Report

This report is available in complete version only and provides T2S Actors the same information as the Current Settlement Day Cash Report just only for the following cash settlement day, i.e. for the next T2S settlement day where cash settlement in the affected currency is possible again. In case the next T2S settlement day is a cash holiday, this is the first settlement day after the cash holiday.

3.3.3.2 ReturnAccountV07 (camt.004.001.07)

*Message usage: Cash Forecast Query Response (UDFS 5.0 p. 1052 ff.)*

Specific message requirements

When T2S sends a Cash Forecast Query Response message, the field RequestType is filled with “CASF” code. The returned business data is listed below:

MESSAGE ITEM	DATA TYPE/ CODE	UTILISATION
[...]	[...]	[...]
Proprietary Document/RtrAcct/RptOrErr/ AcctRpt/AcctOrErr/Acct/MulBal/Tp/Prtry	T2SCashBalanceCodes_T2S_1 [ <input type="checkbox"/> 2095]	Balance type code specifying the nature of the balance: CRAC, LTCA, PCCA, SICA, SUPA, TCCA, SIDA, <u>CNCR, CCOR, DNCR, DCOR, CNCH, CCOH, DNCH, DCOH</u>
[...]	[...]	[...]

The message usage example is provided jointly with changes stemming from CR-0629.

Message usage example: camt.004.001.07\_T2S\_CashForecastQueryResponse\_Example.xml (UDFS 5.0 p. 1054 f.)

This example illustrates a Cash Forecast Query Response which reports on balances of available cash on the T2S Dedicated Cash Account, Outstanding Intraday Credit and liquidity transfer orders and settlement instructions which would be effective on the available cash balance on the T2S Dedicated Cash Account, with the following values:

- TCCA (available balance): 6.000.000 (Credit)
- CRAC (outstanding credit): 70.000.000 (Debit)
- LTCA (sum of all debiting liquidity transfer orders): 20.000.000
- SICA (sum of all crediting settlement instructions): 30.000.000
- CNCR (Crediting Settlement instructions, thereof non CORP released): 10.000.000
- CCOR (Crediting Settlement instructions, thereof CORP released): 8.000.000
- CNCH (Crediting Settlement instructions, thereof non CORP on hold): 4.000.000
- CCOH (Crediting Settlement instructions, thereof CORP on hold): 8.000.000
- SIDA (sum of all debiting settlement instructions): 10.000.000
- DNCR (Debiting Settlement instructions, thereof non CORP released): 3.000.000
- DCOR (Debiting Settlement instructions, thereof CORP released): 1.000.000
- DNCH (Debiting Settlement instructions, thereof non CORP on hold): 2.000.000
- DCOH (Debiting Settlement instructions, thereof CORP on hold): 4.000.000
- PCCA (projected balance): TCCA+SICA-LTCA-SIDA: 6.000.000 (Credit)
- SUPA (Sum of projected balance + amount of outstanding intraday credit): 64.000.000 (Debit)

### 3.3.3.15 BankToCustomerAccountReportV06 (camt.052.001.06)...

Message usage examples are provided jointly with changes stemming from CR-0629.

Message usage example: camt.052.001.06\_T2S\_CurrentSettlementDayCashInformationReport\_Example.xml (UDFS 5.0 p. 1120)

In this example a Current Settlement Day Cash Information Report is sent to a CB (NCBBICTS) or Payment bank (TSSPARTYA20). The T2S Dedicated Cash Account (T2S30000099) is nominated in EUR, the current settlement day is: 2013-10-13.

- CASH (cash balance): 1.000.000 (Credit)
- PCAS (projected cash balance): 100.000 (Credit)
- AOIC (amount of outstanding intraday credit): 300.000 (Debit)
- SPCA (total sum projected cash balance and outstanding intraday credit): 200.000 (Debit)
- AVL D (available liquidity transfers): 400.000 (Debit)
- AVSC (available settlement instructions crediting): 250.000
- CNCR (Crediting Settlement instructions, thereof non CORP released): 100.000

- CCOR (Crediting Settlement instructions, thereof CORP released): 30.000
- CNCH (Crediting Settlement instructions, thereof non CORP on hold): 80.000
- CCOH (Crediting Settlement instructions, thereof CORP on hold): 40.000
- AVSD (available settlement instructions debiting): 750.000
- DNCR (Debiting Settlement instructions, thereof non CORP released): 300.000
- DCOR (Debiting Settlement instructions, thereof CORP released): 250.000
- DNCH (Debiting Settlement instructions, thereof non CORP on hold): 110.000
- DCOH (Debiting Settlement instructions, thereof CORP on hold): 90.000

Message usage example:

camt.052.001.06\_T2S\_FollowingSettlementDayCashInformationReport\_Example.xml (UDFS 5.0 p. 1121)  
 In this example a Following Settlement Day Cash Forecast Report is sent to a CB (NCBBICTS) or Payment Bank (TSSPARTYA20). The T2S Dedicated Cash Account (T2S30000099) is nominated in EUR, the current settlement day is: 2013-10-14.

- CASH (cash balance): 1.000.000 (Credit)
- PCAS (projected cash balance): 100.000 (Credit)
- AOIC (amount of outstanding intraday credit): 0,00 10
- SPCA (total sum projected cash balance and outstanding intraday credit): 100.000 (Credit)
- AVL D (available liquidity transfers): 400.000 (Debit)
- AVSC (available settlement instructions crediting): 250.000
- CNCR (Crediting Settlement instructions, thereof non CORP released): 100.000
- CCOR (Crediting Settlement instructions, thereof CORP released): 30.000
- CNCH (Crediting Settlement instructions, thereof non CORP on hold): 80.000
- CCOH (Crediting Settlement instructions, thereof CORP on hold): 40.000
- AVSD (available settlement instructions debiting): 750.000
- DNCR (Debiting Settlement instructions, thereof non CORP released): 300.000
- DCOR (Debiting Settlement instructions, thereof CORP released): 250.000
- DNCH (Debiting Settlement instructions, thereof non CORP on hold): 110.000
- DCOH (Debiting Settlement instructions, thereof CORP on hold): 90.000

**Impact on message documentation on MyStandards / Schemas:**

camt.004:

/Document/RtrAcct/RptOrErr/AcctRpt/AcctOrErr/Acct/MulBal/Tp/Prtry: Add the new balance type codes CNCR, CCOR, DNCR, DCOR, CNCH, CCOH, DNCH and DCOH

camt.052:

/Document/BkToCstmrAcctRpt/Rpt/TxsSummry/TtlNtriesPerBkTxCd/BkTxCd/Prtry/Cd: Add the new bank transaction codes CNCR, CCOR, DNCR, DCOR, CNCH, CCOH, DNCH and DCOH

**UHB:**

2.3.1.1 Cash Forecast – Search List Screen

**Screenshot:** to be added later (not available yet)

**Field Description:** The new fields listed below are to be added in the field description of the 'Cash Forecast - List' table

Cash Forecast - List	
Cash Balance	
...	...
<u>Impacted - Crediting Corporate Settlement Instructions On hold</u>	<u>Shows the sum of the settlement instructions related to corporate actions which are on hold<sup>1</sup>, credit a T2S dedicated cash account of the party and have an intended settlement date</u>

	<p><u>earlier than or equal to the intended settlement date used for the calculation of the cash forecast.</u></p> <p><u>Provision of '99999...99' in case oversizing occurs in the integer part. Truncation of decimals in case oversizing occurs in the decimal part.</u></p>
<u>Impacted - Crediting Corporate Settlement Instructions Released</u>	<p><u>Shows the sum of the settlement instructions related to corporate actions which are released<sup>2</sup>, credit a T2S dedicated cash account of the party and have an intended settlement date earlier than or equal to the intended settlement date used for the calculation of the cash forecast.</u></p> <p><u>Provision of '99999...99' in case oversizing occurs in the integer part. Truncation of decimals in case oversizing occurs in the decimal part.</u></p>
<u>Impacted - Crediting Non-Corporate Settlement Instructions On hold</u>	<p><u>Shows the sum of the settlement instructions related to non-corporate actions which are on hold<sup>1</sup>, credit a T2S dedicated cash account of the party and have an intended settlement date earlier than or equal to the intended settlement date used for the calculation of the cash forecast.</u></p> <p><u>Provision of '99999...99' in case oversizing occurs in the integer part. Truncation of decimals in case oversizing occurs in the decimal part.</u></p>
<u>Impacted - Crediting Non-Corporate Settlement Instructions Released</u>	<p><u>Shows the sum of the settlement instructions related to corporate actions which are released<sup>2</sup>, credit a T2S dedicated cash account of the party and have an intended settlement date earlier than or equal to the intended settlement date used for the calculation of the cash forecast.</u></p> <p><u>Provision of '99999...99' in case oversizing occurs in the integer part. Truncation of decimals in case oversizing occurs in the decimal part.</u></p>
<u>Impacted - Debiting Corporate Settlement Instructions On hold</u>	<p><u>Shows the sum of the settlement instructions related to corporate actions which are on hold<sup>1</sup>, debit a T2S dedicated cash account of the party and have an intended settlement date earlier than or equal to the intended settlement date used for the calculation of the cash forecast.</u></p> <p><u>The pending reverse collateral movements are excluded from this sum.</u></p> <p><u>Provision of '99999...99' in case oversizing occurs in the integer part. Truncation of decimals in case oversizing occurs in the decimal part.</u></p>
<u>Impacted - Debiting Corporate Settlement Instructions Released</u>	<p><u>Shows the sum of the settlement instructions related to corporate actions which are released<sup>2</sup>, debit a T2S dedicated cash account of the party and have an intended settlement date earlier than or equal to the intended settlement date used for the calculation of the cash forecast.</u></p> <p><u>The pending reverse collateral movements are excluded from this sum.</u></p> <p><u>Provision of '99999...99' in case oversizing occurs in the integer part. Truncation of decimals in case oversizing occurs in the decimal part.</u></p>
<u>Impacted - Debiting Non-Corporate Settlement Instructions On hold</u>	<p><u>Shows the sum of the settlement instructions related to non-corporate actions which are on hold<sup>1</sup>, debit a T2S dedicated cash account of the party and have an intended settlement date earlier than or equal to the intended settlement date used for the calculation of the cash forecast.</u></p> <p><u>The pending reverse collateral movements are excluded from this sum.</u></p> <p><u>Provision of '99999...99' in case oversizing occurs in the integer</u></p>

	<u>part. Truncation of decimals in case oversizing occurs in the decimal part.</u>
<u>Impacted - Debiting Non-Corporate Settlement Instructions Released</u>	<u>Shows the sum of the settlement instructions related to non-corporate actions which are released<sup>2</sup>, debit a T2S dedicated cash account of the party and have an intended settlement date earlier than or equal to the intended settlement date used for the calculation of the cash forecast.</u> <u>The pending reverse collateral movements are excluded from this sum.</u> <u>Provision of '99999...99' in case oversizing occurs in the integer part. Truncation of decimals in case oversizing occurs in the decimal part.</u>
...	...

1 'On Hold' includes CSD Hold, Party Hold, CSD Validation Hold, CoSD Hold, and not Partially Released

2 'Released' includes also Partially Released

2.3.1.2 Cash Forecast - Details Screen

**Screenshot:** to be added later (not available yet)

**Field Description:** The new fields listed below are to be added in the field description of the 'Cash Forecast per T2S Dedicated Cash Account' table

Cash Forecast per T2S Dedicated Cash Account	
...	...
Cash Balance	
...	...
<u>Impacted - Crediting Corporate Settlement Instructions On hold</u>	<u>Shows the sum of the settlement instructions related to corporate actions which are on hold<sup>1</sup>, credit the T2S dedicated cash account and have an intended settlement date earlier than or equal to the date used for the calculation of the cash forecast.</u>
<u>Impacted - Crediting Corporate Settlement Instructions Released</u>	<u>Shows the sum of the settlement instructions related to corporate actions which are released<sup>2</sup>, credit the T2S dedicated cash account and have an intended settlement date earlier than or equal to the date used for the calculation of the cash forecast.</u>
<u>Impacted - Crediting Non-Corporate Settlement Instructions On hold</u>	<u>Shows the sum of the settlement instructions related to non-corporate actions which are on hold<sup>1</sup>, credit the T2S dedicated cash account and have an intended settlement date earlier than or equal to the date used for the calculation of the cash forecast.</u>
<u>Impacted - Crediting Non-Corporate Settlement Instructions Released</u>	<u>Shows the sum of the settlement instructions related to non-corporate actions which are released<sup>2</sup>, credit the T2S dedicated cash account and have an intended settlement date earlier than or equal to the date used for the calculation of the cash forecast.</u>
<u>Impacted - Debiting Corporate Settlement Instructions On hold</u>	<u>Shows the sum of the settlement instructions related to corporate actions which are on hold<sup>1</sup>, debit the T2S dedicated cash account and have an intended settlement date earlier than or equal to the date used for the calculation of the cash forecast.</u> <u>The pending reverse collateral movements are excluded from this sum.</u>
<u>Impacted - Debiting Corporate Settlement Instructions Released</u>	<u>Shows the sum of the settlement instructions related to corporate actions which are released<sup>2</sup>, debit the T2S dedicated cash account and have an intended settlement date earlier than</u>

	<p><u>or equal to the date used for the calculation of the cash forecast.</u>  <u>The pending reverse collateral movements are excluded from this sum.</u></p>
<p><u>Impacted - Debiting Non-Corporate Settlement Instructions On hold</u></p>	<p><u>Shows the sum of the settlement instructions related to non-corporate actions which are on hold<sup>1</sup>, debit the T2S dedicated cash account and have an intended settlement date earlier than or equal to the date used for the calculation of the cash forecast.</u>  <u>The pending reverse collateral movements are excluded from this sum.</u></p>
<p><u>Impacted - Debiting Non-Corporate Settlement Instructions Released</u></p>	<p><u>Shows the sum of the settlement instructions related to non-corporate actions which are released<sup>2</sup>, debit the T2S dedicated cash account and have an intended settlement date earlier than or equal to the date used for the calculation of the cash forecast.</u>  <u>The pending reverse collateral movements are excluded from this sum.</u></p>
<p>...</p>	<p>...</p>

1 'On Hold' includes CSD Hold, Party Hold, CSD Validation Hold, CoSD Hold, and not Partially Released

2 'Released' includes also Partially Released

2.4.1.3 Available Report - Current Settlement Day Cash Information (Following Settlement Day Cash Forecast) Report - Details Screen

Expected Postings	
Repetitive Block For each Reported Dedicated Cash Account	
Posting Type	Shows the type of posting to be settled until end of day (or to be effective for the forecast day) from the possible values: I Debiting valid and eligible settlement instructions (i.e. matched and ready for settlement) <u>I Debiting Settlement instructions, thereof non CORP released</u> <u>I Debiting Settlement instructions, thereof non CORP on hold</u> <u>I Debiting Settlement instructions, thereof CORP released</u> <u>I Debiting Settlement instructions, thereof CORP on hold</u> I Crediting valid and eligible settlement instructions (i.e. matched and ready for settlement) <u>I Crediting Settlement instructions, thereof non CORP released</u> <u>I Crediting Settlement instructions, thereof non CORP on hold</u> <u>I Crediting Settlement instructions, thereof CORP released</u> <u>I Crediting Settlement instructions, thereof CORP on hold</u> I Debiting liquidity transfer orders
Number of Expected Postings	Shows the number of expected postings.

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**High level description of Impact:**

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**Outcome/Decisions:**

- \* CRG meeting on 26 October 2016: The CRG agreed that the Change Request can be considered mature from a content point of view and therefore, it is ready for its preliminary assessment. The 4CB preliminary assessment would be based on the assumption that the CR-630 is implemented along with the Change Request T2S-0629-SYS (Enhance Cash Forecast Query and Report to display CORP related cash movements separately).
- \* CRG on 10 November 2016: The CRG recommended the launch of the preliminary assessment of the Change Request in a written procedure from 4 to 10 November 2016.
- \* OMG on 02 December 2016: During a written procedure from 11 November 2016 to 02 December 2016, the Operations Managers Group did not identify any blocking operational impact of the Change Request
- \* CRG meeting on 12/13 December 2016: The CRG took note of the T2S functionalities/modules impacted by the Change Request following the 4CB preliminary assessment, however that a redesign of the cash forecast is necessary to implement this functionality. Furthermore, there are synergies with the Change Request T2S-0540-URD (Alignment of U2A and A2A cash forecast information), T2S-0556-SYS (Modification of cash forecast for the current and following business day after DVP cut-off) and T2S-0629-SYS (Enhance Cash Forecast Query and Report to display CORP related cash movements separately) therefore, a joint implementation would be favourable.
- \* PMG on the 15 October 2019: The PMG proposed the allocation of the CR for R5.0.
- \* CSG on 25 October 2019: The CSG authorised the CR for allocation to a T2S release.
- \* NECSG on 28 October 2019: The NECSG authorised the CR for allocation to a T2S release.
- \* MIB on 8 November 2019: The MIB authorised CR-630.
- \* CRG on 22 January 2020: The CRG took note of the CR detailed assessment results and agreed to recommend to the PMG the implementation of the CR in R5.0.
- \* PMG on 23 January 2020: The PMG recommended the approval by the T2S Steering Level and its inclusion in R5.0.
- \* OMG on 30 January 2020: The OMG completed the operational assessment of the CR.
- \* CSG on 5 February 2020: The CSG approved the inclusion of CR-630 in R5.0.
- \* NECSG on 10 February 2020: The NECSG approved the inclusion of CR-630 in T2S R5.0.
- \* MIB on 13 February 2020: The MIB approved the inclusion of CR-630 in the scope of R5.0.
- \* CRG on 26 May 2020: The CRG agreed to the proposed UDFS and UHB updates resulting from CR-630, and confirmed its earlier recommendation to the PMG to implement CR-630 in T2S R5.0.

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**Preliminary assessment:**

Impacted functionality/module: U2A, A2A, SETT

To be considered

All of the cash forecast CRs which are deemed necessary by the CRG (CR 540, CR 556, CR 629, CR 630) should be implemented in one go in order to make use of synergies.

No further functional, technical and risk related issues have been identified beyond the elements already described in the Change Request.

## EUROSYSTEM ANALYSIS – GENERAL INFORMATION

T2S Specific Components		Common Components	
<b>LCMM</b>			
	Instructions validation		
	Status management		
	Instruction matching		
	Instructions maintenance		
	Penalty Mechanism		
<b>Settlement</b>			
X	Standardisation and preparation to settlement		
	Night-time Settlement		
	Daytime Recycling and optimisation		
	Daytime Validation, provisioning & booking		
	Auto-collateralisation		
<b>Liquidity Management</b>			
	Outbound Information Management		
	NCB Business Procedures		
	Liquidity Operations		
<b>T2S Interface</b> (as of June 2022 without Static Data Management, Communication for SDMG, Scheduler, Billing)			
X	Communication		
	Outbound Processing		
	Inbound Processing		
<b>Static Data Management</b> (until Nov 2021)		<b>Common Reference Data Management</b> (from PROD R5.2 Nov 2021)	
	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
	Rules and parameters data management		Rules and parameters data management
<b>Statistics and archive</b>		<b>Statistics and archive</b>	
	Statistical information (until Nov 2021)		Short term statistical information
	Legal archiving (until Nov 2021)		Legal archiving (from PROD R5.2)
			Data Warehouse (from PROD R5.2)
<b>Information</b> (until June 2022 containing reference data)		<b>CRDM business interface</b> (from PROD R6.0 June 2022)	
X	Report management		Report management
X	Query management		Query management
			Communication
			Outbound Processing
			Inbound Processing
<b>Operational Services</b>			
	Data Migration (T2S DMT)		Data Migration (CRDM DMT, from PROD R5.2)
	Scheduling (until Nov 2021)		Business Day Management (from PROD R5.2)
			Business Day Management business interface (from PROD R6.0)
	Billing (until June 2022)		Billing (from PROD R5.2)
			Billing business interface (from PROD R6.0)
	Operational Monitoring		Operational and Business Monitoring

Impact on major documentation		
Document	Chapter	Change
Impacted GFS chapter		
Impacted UDFS chapter	1.6.2.7.3 Liquidity monitoring process	Update the description of Current Settlement Day Cash Information and Following Settlement Day Report
	1.6.4.2.3 Report generation process	
	3.3.3.2 ReturnAccountV07 (camt.004.001.07)	Update of the description for the usage Cash Forecast Query Response
Additional deliveries for Message Specification	3.3.3.15 BankToCustomerAccountReportV06 (camt.052.001.06)	Update of the description for the usages Current Settlement Day Cash Information Report and Following Settlement Day Cash Forecast Report
	Message documentation for camt.004	Update of the schema and the Cash Forecast Query Response message usage example Upload to MyStandards
	Message documentation for camt.052	Update of the schema and the Current Settlement Day Cash Information Report and Following Settlement Day Cash Forecast Report message usage examples Upload to MyStandards
UHB	2.3.1.1 Cash Forecast – Search List Screen	Update the description
	2.3.1.2 Cash Forecast - Details Screen	Update the description
	2.4.1.3 Available Report - Current Settlement Day Cash Information (Following Settlement Day Cash Forecast) Report - Details Screen	Update the description
Other documentations		
Links with other requests T2S-0556-SYS, T2S-0629-SYS		
<b>OVERVIEW OF THE IMPACT OF THE REQUEST ON THE T2S SYSTEM AND ON THE PROJECT</b>		
Summary of functional, development, infrastructure and migration impacts		
<p>This CR aims at providing separately information related to instructions with hold and released status in A2A and U2A (CashForecast_Detail and CashForecast_Search+List).</p> <p>Cash Forecast Query U2A/A2A should display separate Settlement Instruction with 'hold' and 'released' status:</p> <ul style="list-style-type: none"> <li>• To be debited (SI) on hold (it includes also the "on hold" portion of partially released instructions),</li> <li>• To be debited (SI) released (it includes also the released portion of partially released instructions),</li> <li>• To be credited (SI) on hold (it includes also the "on hold" portion of partially released instructions),</li> <li>• To be credited (SI) released (it includes also the released portion of partially released instructions).</li> </ul> <p><u>Cash Forecast Query</u> should be based on instructions/LTO for which the intended settlement day is the next possible cash settlement day for the currency in scope. In case the next T2S business day is a cash holiday, this would be the first cash settlement day after the cash holiday.</p> <p>For Current Settlement Day Cash Information Report and Following Settlement Day Cash Forecast Report (camt.052) status Hold or Released will be introduced.</p> <p><u>Following Settlement Day Cash Forecast Report</u> should will be based on instructions/LTO for which the intended settlement day is the next possible cash settlement day for the currency in scope. In case the next T2S business day is a cash holiday, this would be the first cash settlement day after the cash holiday.</p> <p>Messages: Update of message schema for camt.004 and of message usage example for the Cash Forecast Query Response</p>		

Update of message schema for camt.052 and of message usage examples for the Current Settlement Day Cash Information Report and Following Settlement Day Cash Forecast Report

**Main cost drivers:**

The main cost drivers of the CR are the introduction of the separation of the instructions with Hold and Released status (includes the "on hold" & released portion of partially released instructions) in the related query and reports and the update of the related A2A messages. Also, the calculation for the Following Settlement Day Cash Forecast Report and the Cash Forecast Query needs to be adapted. The respective screens will be also adjusted.

**Summary of project risk**

**Security analysis**

No adverse effect has been identified during security assessment.



23 December 2019

## Cost assessment on Change Requests

<b>T2S-630-SYS – Enhance Cash Forecast Query and Report to display expected aggregated cash movements, with separate status Hold or Released</b>			
One-off	Assessment costs*		
	- Preliminary	2,000.00	Euro
	- Detailed	10,000.00	Euro
One-off	Development costs	402,234.79	Euro
Annual	Operational costs		
	- Maintenance costs	36,217.84	Euro
	- Running costs	0.00	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).