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, Monte Titoli	**Institute:** CSD, NCB	**Date raised:** 12/11/2015
Request title: Functional measures to optimise the T2S Graphical User Interface performance		**Request ref. no:** T2S 0567 SYS
Request type: Common	**Urgency:** Normal	
1. Legal/business importance parameter: Low	**2. Market implementation efforts parameter:** Low	
3. Operational/Technical risk parameter: Low	**4. Financial impact parameter:** High	
Requestor Category: CSD, NCB	**Status:** Withdrawn by initiator	

Reason for change and expected benefits/business motivation:

Following the low response time of some U2A queries experienced by some users in the test environments at the beginning of 2015, an action plan on T2S Graphical User Interface (GUI) performance was agreed by the Project Managers Group. The action plan included, amongst other action items, also a task to analyse options for functional optimisation of the GUI.

The functional optimisation exercise was assigned to the Change Review Group (CRG), which identified potential functional measures to optimise the T2S GUI performance of U2A queries. In doing so, the CRG members analysed the search criteria and usage patterns for the critical/possibly critical U2A queries. CRG member's proposal on performance optimisation measures were collected, and the 4CB performed a preliminary assessment on those proposals. On this basis, the CRG members indicated which of the proposals should be pursued further.

On this basis, this Change Request was raised:

1. It includes those functional proposals identified by the CRG that have a potential performance improvement and do not have a high 4CB implementation effort.
2. It addresses the strong request to avoid that a timeout could cause a non-delivery of query results.

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Description of requested change:

The following GUI screens should be modified as follows:

1. Handling of timeout in all Search/List Screens

There is a strong request to avoid that a timeout could cause a non-delivery of query results. Two proposals to reduce the impact of a timeout are described below. In any case, the 4CB should also investigate any other approach that could solve the timeout issue.

1.1. Pop-up window for large query results

T2S will show a pop-up window when the search result goes beyond 1,000 business items so the T2S GUI user can confirm the submission of such large request. The pop-up message will be:

"Your search would return more than XXX items: Are you sure that you want to proceed?

- 'Yes, proceed'
- 'No, adjust query' "

'XXX' will show the order of magnitude of the number of results (i.e. more than 1,000 business items; more than 10,000 business items; more than 100.000 business items).

- If the T2S GUI user chooses "yes, proceed", the query will be executed with the current search parameters
- If the T2S GUI user chooses "no, adjust query", the user will be re-directed to the search screen with the current query parameters filled, and he can add additional parameters to reduce the number of results, or he can discard the query completely.

1.2. Non-real time download option for large query results

When a timeout occurs, T2S will provide the option to request a non-real time download for large query results that triggers a timeout. If the T2S GUI user request the non-real time download, the download will provide all query results that were extracted by T2S up to the timeout.

2. Inbound Messages - Search/List Screen
2.1. Entry timestamp

T2S will default the 'Entry timestamp' as follows:

- Entry Date and Time from: Current calendar date/time that T2S loads the screen minus one hour
- Entry Date and Time to: Calendar date/time at the moment that T2S loads the screen

(currently its defaulted from 00:00 midnight to current time).

3. Outbound Messages - Search/List Screen
3.1. Entry timestamp

T2S will default the 'Entry timestamp' as follows:

- Entry Date and Time from: Current calendar date/time that T2S loads the screen minus one hour
- Entry Date and Time to: Calendar date/time at the moment that T2S loads the screen

(currently it is defaulted from 00:00 midnight to current time).

4. Total collateral value per T2S Dedicated Cash Account - Search/List Screen

T2S will require that one of the following search criteria is selected:

- T2S Dedicated Cash Account Number
- Party BIC / NCB Parent BIC tuple defining the owner of a (set of) T2S Dedicated Cash Account(s)
- Party BIC / CSD Parent BIC tuple defining the owner of a (set of) Securities Account(s)

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Submitted annexes / related documents:

CRG teleconference of 12 November 2015 - Optimisation of T2S GUI use — status update
http://www.ecb.europa.eu/paym/t2s/progress/pdf/tg/crg/crg56/02.performance_optimisation_t2s_gui_status_update.pdf

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Proposed wording for the Change request:

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High level description of Impact:

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Outcome/Decisions:

*CRG meeting of 15 December 2015: The CRG decided to put the Change Request on hold and the CRG agreed to rediscuss the CR in the CRG teleconference of 18 December 2015..

*CRG teleconference of 18 December 2015: The CRG keep the Change Request on hold.

* CRG on 17 October 2016: During the written procedure from 10 - 17 October 2016, the CRG recommended to launch the preliminary assessment on the Change Request from 24 October 2016 to 15 November 2016 (batch 2).

* OMG on 08 November 2016: During a written procedure from 28 October - 08 November 2016, the Operations Managers Group did not identify any blocking operational impact of the Change Request.

* CRG telco on 16 November 2016: The CRG took note of the T2S functionalities/modules impacted by the Change Request following the 4CB preliminary assessment.

* CRG on 17 October 2016: During the written procedure from 10 - 17 October 2016, the CRG recommended to launch the preliminary assessment on the Change Request from 24 October 2016 to 15 November 2016 (batch 2).

*CRG meeting of 28 August 2017: The CR was withdrawn by the initiator.

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Preliminary assessment:

- **Impacted functionality / module:** U2A, SETT

- **Following issues have to be clarified before the start of detailed assessment:**
  o Please explain if and how the "no, adjust query" is to be billed. Depending on the answer the assessment may require adaption.

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