

<b>General Information (Origin of Request)</b>		
<input type="checkbox"/> User Requirements (URD) or GUI Business Functionality Document (BFD) <input checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
<b>Request raised by:</b> ECB and Clearstream	<b>Institute:</b> ECB/CSD	<b>Date raised:</b> 29/08/2016
<b>Request title:</b> To increase the default number of rows to be displayed from 10 to 100 rows per page		<b>Request ref. no:</b> T2S 0632 SYS
<b>Request type:</b> Common		<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> Low	
<b>Requestor Category:</b> ECB/CSD	<b>Status:</b> Authorised at steering level	

**Reason for change and expected benefits/business motivation:**

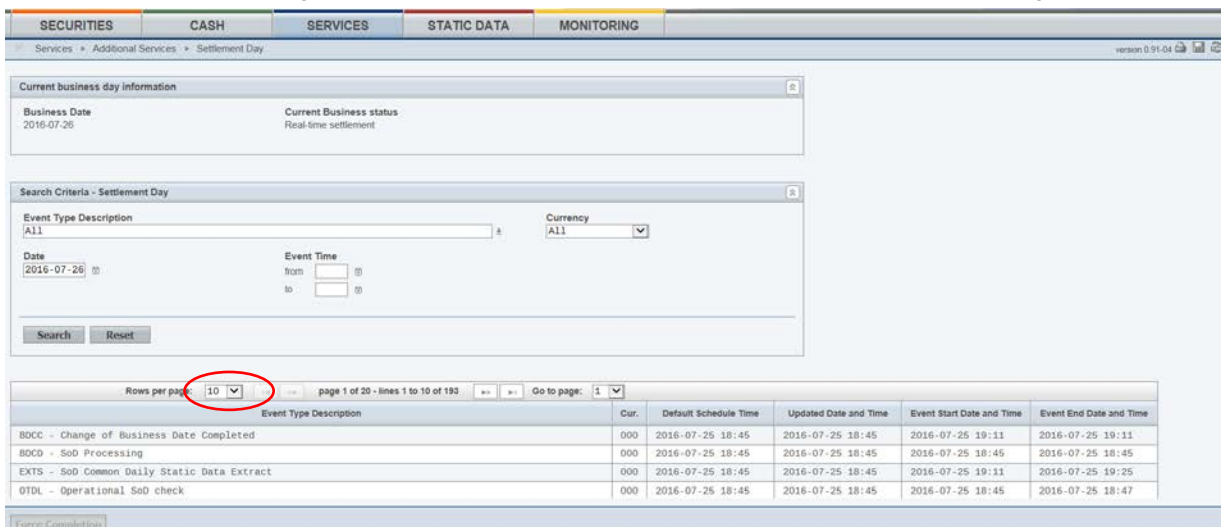
The current implementation in the T2S GUI envisages that when performing a query, the result displays 10 rows per page as a default number. T2S also allows a user to select the number of records to be displayed per page (5, 10, 20, 50 or 100). This has, from a user perspective, a negative impact on the overview of the displayed information in the relevant/used screen, as in many cases only a subset of the search results are displayed where the user then has to increase the number of rows to get a better overview.

**Description of requested change:**

The default value of the number of rows as the result of the usage of the search functionality is currently 10 rows per page. In order to improve the overview over the displayed information and facilitate monitoring activities, the rows per page should be increased to 100 rows as the default value for all screens where search results are displayed in a list form.

**Submitted annexes / related documents:**

As an example, the following screenshot shows the current default which is set to 10 rows per page.



The screenshot shows the T2S GUI interface. At the top, there are tabs for SECURITIES, CASH, SERVICES, STATIC DATA, and MONITORING. Below the tabs, there is a search criteria section for 'Settlement Day'. The search criteria include 'Event Type Description' (All), 'Date' (2016-07-26), and 'Event Time' (from and to). The 'Rows per page' dropdown is set to 10 and is circled in red. Below the search criteria, there is a table with the following data:

Event Type Description	Cur.	Default Schedule Time	Updated Date and Time	Event Start Date and Time	Event End Date and Time
BOCC - Change of Business Date Completed	000	2016-07-25 18:45	2016-07-25 18:45	2016-07-25 19:11	2016-07-25 19:11
BOCD - SoD Processing	000	2016-07-25 18:45	2016-07-25 18:45	2016-07-25 18:45	2016-07-25 18:45
EXTS - SoD Common Daily Static Data Extract	000	2016-07-25 18:45	2016-07-25 18:45	2016-07-25 19:11	2016-07-25 19:25
OTDL - Operational SoD check	000	2016-07-25 18:45	2016-07-25 18:45	2016-07-25 18:45	2016-07-25 18:47

The list of 93 screens in scope of the CR-632 are listed in the attachment to the change request (T2S\_0632\_SYS\_attachment.xlsx)

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**Proposed wording for the SYS Change request:**

UHB v2.2, page 65, item 2 in the table

Element: Number of data records

Description: ... allows you to select the number of records displayed in the list. You can choose between 5, 10, 20, 50 or 100 data records to be displayed. **The default number of data records to be displayed is 100.**

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**High level description of Impact:****Outcome/Decisions:**

- \* CRG meeting of 6 September 2016: The CRG indicated that the Change Request cannot yet be considered mature from a content point of view and therefore, it is not yet ready for its preliminary assessment.
  - \* CRG Telco on 22 September 2016: The CRG took note of the updated Change Request and agreed that the Change Request can be considered mature from a content point of view and therefore, it is ready for its 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).
  - \* 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 meeting on 24 January 2017: The CRG recommended to launch the detailed assessment of the Change Request and asked the 4CB to check the feasibility to deliver the Change Request in the T2S Release 2.0.
  - \* Advisory Group on 02 February 2017: In a written procedure from 26 January 2017 to 02 February 2017, the Advisory Group was in favour of launching the detailed assessment on the Change Request.
  - \* CSD Steering Group on 03 February 2017: In a written procedure from 26 January 2017 to 03 February 2017, the CSD Steering Group was in favour of launching the detailed assessment on the Change Request.
  - \* Operational Managers Group on 29 May 2017: Following a written procedure from 22 - 29 May 2017, the Operations Managers Group reconfirmed that the Change Request does not have any blocking operational impact.
  - \* CRG meeting on 07 June 2017: The CRG indicated that the cost of the Change Request seemed very high considering the functional change requested and asked the 4CB to provide further details on the cost drivers before a recommendation can be taken on the Change Request (i.e. approval or rejection).
  - \* CRG meeting on 04 July 2017: The CRG agreed to put the Change Request on hold.
  - \* CRG teleconference on 20 July 2017: The CRG recommended the approval of the Change Request and its inclusion in the T2S Release 2.0 in principle subject to the 4CB confirmation that the following 4 screens have indeed a list of displayed rows: New/Edit Grant Revoke Privileges, New/Edit Operation Day Type, New Event Type, and Resend Communication.
  - \* CRG written procedure on 28 July 2017: Following a written procedure from 24 to 28 July 2017, the CRG agreed to the 4CB recommendation to restrict the scope of the change request to 93 screens instead of the original 97 screens.
  - \* PMG on 1 August 2017: During a written procedure from 31 July to 1 August 2017, the Project Managers Group was in favour of adding the Change Request to Release 2.0 from a planning perspective.
  - \* Advisory Group on Market Infrastructures for Securities and Collateral (AMI-SeCo) on 7 August 2017: Following a written procedure from 1 to 7 August 2017, the AMI-SeCo was in favour of approving the Change Request and its inclusion in T2S Release 2.0
  - \* CSD Steering Group on 8 August 2017: Following a written procedure from 1 to 8 August 2017, the CSG adopted the resolution to approve the Change Request and its inclusion in T2S Release 2.0
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**Preliminary assessment:**

- **Impacted functionality / module:** U2A
- Financial impact parameter: Low (preliminary assessed)

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

**EUROSYSTEM ANALYSIS – GENERAL INFORMATION**

<b>Impact On T2S</b>	<b>Static data management</b>		<b>Interface</b>	
	Party data management		X	Communication
	Securities data management			Outbound processing
	T2S Dedicated Cash account data management			Inbound processing
	Securities account data management			
	Rules and parameters data management			
	<b>Settlement</b>		<b>Liquidity management</b>	
	Standardisation and preparation to settlement			Outbound Information Management
	Night-time Settlement			NCB Business Procedures
	Daytime Recycling and optimisation			Liquidity Operations
	Daytime Validation, provisioning & booking		<b>LCMM</b>	
	Auto-collateralisation			Instructions validation
				Status management
	<b>Operational services</b>			Instruction matching
	Data Migration			Instructions maintenance
	Scheduling		<b>Statistics, queries reports and archive</b>	
	Billing			Report management
	Operational monitoring			Query management
				Statistical information
				Legal archiving
All modules (Infrastructure request)				
No modules (infrastructure request)				
Business operational activities				
Technical operational activities				

<b>Impact on major documentation</b>		
<b>Document</b>	<b>Chapter</b>	<b>Change</b>
Impacted GFS chapter		
Impacted UDFS chapter		
Additional deliveries for Message Specification		
UHB		
External training materials		
Other documentations		
Links with other requests		
Links	Reference	Title

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

Summary of functional, development, infrastructure and migration impacts

- The default value for the number of rows to be displayed on a List Screen has to be changed from 10 to 100.
- The change is not only a modification on the default value of a parameter but 93 screens (see annexure-T2S\_0632\_SYS\_attachment) have to be analysed.
- Some screens do not follow the standard design in the search result panel and allow to perform further functionalities others than selecting the item (i.e. removal functionality in the table or dynamic treatment). For those screens, the value needs to be changed specifically due to its specificity in the design.
- The increase of the default value could impact negatively either these specific screens or the standard ones. This depends on the number of attributes retrieved per row. A more complex screen in terms of

<p>design does not necessarily mean a complex retrieval of data or a negative impact on the performance due to the increase of the default value.</p> <ul style="list-style-type: none"> <li>• During the internal test phase, 4CB will focus on the heaviest screens in terms of data per row to be retrieved in order to identify as soon as possible any potential negative impact on performance. In case the data access could be improved to show the new default 100 results, 4CB will do so.</li> <li>• The changes in 93 list screens have to be tested in different constellations, including the whole screen navigation.</li> <li>• Billing related aspects referring CR-0632: Billing for U2A queries is based on the search function as stated in the service item list provided in UDFS v2.3 table 188 and table 191. Each time the customer hits the search button and starts a U2A Query he gets charged with the respective price of 10 cent. Upon reception of the query results all actions performed with the received results list do not attract any additional charges. These further actions can be for example changing the number of displayed rows (e.g. 10 to 100) or a new sorting of the results based on one of the provided list criteria. So keeping the current default value of 10 displayed rows will not attract any additional costs for the customer, besides using the workaround to manually switch to 100 displayed rows.</li> </ul>
Summary of project risk
None
Security analysis
No potentially adverse effect was identified during the security assessment.

31 July 2017



## Cost assessment on Change Requests

<b>T2S-0632-SYS – To increase the default number of rows to be displayed from 10 to 100 rows per page</b>			
One-off	Assessment cost*		
	- Preliminary	2,000.00	Euro
	- Detailed	10,000.00	Euro
One-off	Project phase costs	80,665.33	Euro
Annual	Operational costs	7,005.93	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).