

General Information (Origin of Request)		
<input type="checkbox"/> User Requirements (URD) or GUI Business Functionality Document (BFD) <input checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
Request raised by: Clearstream	Institute: CSD	Date raised: 05/07/2017
Request title: T2S should lower maximum outbound file size to 99 MB		Request ref. no: T2S 0666 SYS
Request type: Common	Request Category: Maintenance	Urgency: Urgent
1. Legal/business importance parameter: High	2. Market implementation efforts parameter: Low	
3. Operational/Technical risk parameter: Low	4. Financial impact parameter: Low	
Requestor Category: CSD	Status: Authorised at Steering Level	

Reason for change and expected benefits/business motivation:

Currently, T2S can send files up to a maximum file size of 32 MB. In case those files are compressed, the size of the uncompressed file can go up to 100 MB, i.e. up to the maximum file size that T2S can handle prior to compression.

In case the uncompressed message size is very close to 100 MB, this can lead to processing issues on the T2S Actor side. Namely, for internal routing purpose, applications on the T2S Actor side may add some bytes to the uncompressed file. In this case, the overall file size may exceed the maximum MQ message size of 100 MB.

This issue is currently preventing the implementation of T2S PBI000000161067 ("re-introduce mandatory compression"). To enable it, the maximum file size of outbound files sent by T2S must be lowered sufficiently, so that the 100 MB limit cannot be exceeded any more on the T2S Actor side.

Description of requested change:

Maximum file size of uncompressed outbound communication sent by T2S must be limited to 99 MB.

Submitted annexes / related documents:

Proposed wording for the Change request:

UDFS Section 1.7.2 "Oversized data management" should be updated as follows:

If compression is arranged with T2S the decisive size is the size of the message after compression. The size of a file after decompression must not exceed 100 MB. If the file size limitation is breached T2S sends an error information on network layer to the T2S actor (sender). For the outbound processing the maximum file size of uncompressed communication must not exceed 99 MB. ~~The correlation to the request has to be identified on network layer.~~

High level description of Impact:

Outcome/Decisions:

- * CRG meeting on 4 July 2017: discussing SDD-CN 017 (PBI161067), 4CB stressed that from an overall resource consumption perspective (community benefits), compression of reports should become mandatory as of R2.0 as stipulated in the UDFS, with a slightly modified file size limit of 99 MB. Since one CRG member indicated to object to this proposal, this CR was raised in order to realise at least some benefits while keeping the PBI open.
- * CRG teleconference on 20 July 2017: The CRG recommended the Change Request for detailed assessment and asked the 4CB to check the feasibility to include it as part of the T2S Release 2.0.
- * OMG on 27 July 2017: During a written procedure from 20 - 27 July 2017, the Operations Managers Group did not identify any blocking operational impact of the Change Request
- * Advisory Group on 27 July 2017: In a written procedure from 21 - 27 July 2017, the Advisory Group was in favour of launching the detailed assessment on the Change Request.
- * CSD Steering Group on 28 July 2017: In a written procedure from 21 - 28 July 2017, the CSD Steering Group was in favour of launching the detailed assessment on the Change Request.
- * CRG meeting on 28 August 2017: The CRG recommended the approval of the Change Request and its inclusion in the T2S Release 2.0.
- * Operational Managers Group on 5 September 2017: Following a written procedure from 30 August to 5 September 2017, the Operations Managers Group reconfirmed that the Change Request does not have any blocking operational impact and was in favour of adding the Change Request to the T2S Release 2.0.
- * PMG on 11 September 2017: During a written procedure from 7 to 11 September 2017, the Project Managers Group was in favour of adding the Change Request to Release 2.0 from a planning perspective based on their endorsement of the Service Transition Plan v.0.7 for Release 2.0.
- * Advisory Group on Market Infrastructures for Securities and Collateral (AMI-SeCo) on 14 September 2017: Following a written procedure from 11 - 14 September 2017, the AMI-SeCo was in favour of approving the Change Request and its inclusion in T2S Release 2.0.
- * CSD Steering Group on 15 September 2017: Following a written procedure from 11 - 15 September 2017, the CSG adopted the resolution to approve the Change Request and its inclusion in T2S Release 2.0.

EUROSYSTEM ANALYSIS – GENERAL INFORMATION

Impact On T2S	Static data management		Interface	
	Party data management			Communication
	Securities data management		X	Outbound processing
	T2S Dedicated Cash account data management			Inbound processing
	Securities account data management			
	Rules and parameters data management			
	Settlement		Liquidity management	
	Standardisation and preparation to settlement			Outbound Information Management
	Night-time Settlement			NCB Business Procedures
	Daytime Recycling and optimisation			Liquidity Operations
	Daytime Validation, provisioning & booking			LCMM
	Auto-collateralisation			Instructions validation
				Status management
	Operational services			Instruction matching
	Data Migration			Instructions maintenance
	Scheduling			Statistics, queries reports and archive
	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				

Impact on major documentation				
Document	Chapter		Change	
Impacted GFS chapter				
Impacted UDFS chapter	1.7.2 "Oversized data management"		See proposed wording above	
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				
INTF				
Regression testing campaign will be executed.				
Summary of project risk				
None				
Security analysis				
No potentially adverse effect was identified during the security assessment. On the contrary the CR will enhance the T2S processing.				



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23 August 2017

Cost assessment on Change Requests

T2S-666-SYS – T2S should lower maximum outbound file size to 99 MB			
One-off	Assessment costs*		
	- Preliminary	2,000.00	Euro
	- Detailed	10,000.00	Euro
One-off	Development costs	18,060.96	Euro
Annual	Operational costs	1,614.75	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).