



General Information (Origin of Request)		
<input type="checkbox"/> User Requirements (URD) <input checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
Request raised by: Euroclear	Institute: CSD	Date raised: 01/06/2015
Request title: T2S should allow modification of possible values for an Attribute domain linked to a MSA		Request ref. no: T2S-0528-SYS
Request type: Common		Urgency: Normal
1. Legal/business importance parameter¹: Medium	2. Market implementation efforts parameter²: Low	
3. Operational/Technical risk parameter³: Low	4. Financial impact parameter⁴: Medium	
Requestor Category: CSD	Status: Implemented	

Reason for change and expected benefits/business motivation:

Highlights

CSDs are able to create Reference Data Extensions (so called MSAs – Market specific Attributes) to complement T2S static data with additional data relating to their specific services or local environment. When a CSD has created an MSA and defined the list of values that are linked to it, it is not possible anymore to add a new value or to modify the description of an existing value.

Detailed description

The creation of an MSA by a CSD is done in 3 main steps

1) Creation of new attribute domain

- Define the Name, description, attribute format (alphabetic/ alphanumeric/numeric), minimum code length, maximum code length, case (upper case, lower case, both)

2) Assignment of values to the new attribute domain

- Define an optional list of valid values for the attribute domain
- The attribute domain may not foresee a pre-defined list values. In such case, T2S considers as valid for this attribute domain any value matching the format rules

3) Creation of the new market-specific attribute (MSA)

- Define the MSA
- Link the attribute domain previously created to the MSA

Once the last step has been finalised and that the CSD has linked the MSA with its attribute domain, then it is not possible anymore:

- To create new values
- To modify the description of an existing value.
- To delete existing value

¹ Legal / business importance parameter was set to Medium, as the CR will increase the flexibility available to CSDs in managing Market Specific Attributes

² Market implementation effort parameter was set to Low, as the change does not require adaptations on T2S Actors' side

³ Operational risk parameter was set to Low, as the CR decreases the need for manual interventions and therefore the operational risk

⁴ Financial impact parameter was set to Medium according to the following scale: Low < 100kEUR < Medium <500kEUR < High)

Consequence is that if the CSD needs to update an MSA because of the evolution of its service offer or because of any regulatory requirement, it could not do it, and could potentially be limited or blocked in implementing these evolutions.

However, it should be noted that the deletion of possible values for an attribute will not trigger any automatic deletion of the MSA value being used in other static/transactional data. The inconsistency in other static/ transactional data due to deletion of MSA value will be taken care by a procedure involving the CSDs and T2S service desk⁵.

The following alternative has been proposed by the Eurosystem to the OMG and the CRG:

'Define the attribute domains without a finite list of values. This would allow that any value can be input (within the constraints set by the format, case, minimum code length and maximum code length for the attribute domain). This would accommodate possible future updates of the list of values valid for the attribute domain'

This alternative has been discarded as it cannot apply to already defined MSAs and does not allow a safe processing of the checks that must be performed with the MSA:

Description of requested change:

T2S should allow modification of possible values for an attribute domain even if the MSA is linked to the T2S attribute domain.

Submitted annexes / related documents:

Proposed wording for the Change request:

CSD must have the possibility to modify an attribute domain of an existing MSA:

- add new value and
- update value description
- delete existing value

And even if the MSA is linked already to this attribute domains.

High level description of Impact:

Outcome/Decisions:

* CRG meeting of 9 July 2015: The CRG decided to put the Change Request on hold for the September 2015 CRG meeting and agreed that the Change Request T2S-0528-SYS could be a potential candidate for Release 1.2.

* CRG meeting of 17-18 September 2015: The CRG agreed to put the Change Request on hold and agreed to include it in the list of Change Requests for Release 1.2. The CRG considered that the Change Request is not a showstopper for the migration of wave 3 participants.

*CRG teleconference of 1 October 2015: The CRG agreed to put the Change Request on hold and the

⁵ The T2S service desk will be involved in particular to help the CSD identify the settlement instructions that should be cancelled or amended by the CSD because of the deletion of the MSA (as the GUI does not allow to select instructions based on the MSA value)

CRG agreed to consider this Change Request for the Release 2.0.

- * CRG meeting of 6/7 July 2016: The CRG recommended the Change Request for preliminary assessment
- * CRG meeting of 06 September 2016: The CRG took note of the T2S functionalities/modules impacted by the Change Request following the 4CB preliminary assessment.
- *CRG on 07 July 2021: the CRG agreed to recommend CR-528 for authorisation by the T2S Steering Level
- *PMG on 08 July 2021: the PMG agreed to launch the detailed assessment of CR_528 in view of R6.0, subject to T2S Steering Level authorisation
- * AMI-SeCo on 15 July 2021: the AMI-SeCo agreed with the CRG recommendation of CR-528 for T2S Steering Level authorisation
- *CSG on 15 July 2021: the CSG agreed to authorise CR-528
- *NECSG on 15 July 2021: the NECSG agreed to authorise CR-528
- *MIB on 11 August 2021: the MIB agreed to authorise CR-528
- *CRG on 17 November 2021: the CRG agreed to recommend to the PMG the inclusion of CR-0528 in the scope of R6.2.
- *OMG on 18 November 2021: the OMG identified no operational impact from the inclusion of CR-0528 in R6.2.
- *PMG on 19 November 2021: the PMG agreed to recommend the inclusion of CR-0528 in the scope of R6.2.
- *CSG on 01 December 2021: the CSG approved the inclusion of CR-528 in the scope of R6.2
- *NECSG on 01 December 2021: the NECSG approved the inclusion of CR-528 in the scope of R6.2
- *MIB on 02 December 2021: the MIB approved the inclusion of CR-528 in the scope of R6.2

Documentation to be updated:**Preliminary assessment:**

- Impacted functionality/module: U2A, SDMG.
- No further functional, technical and risk related issues have been identified beyond the elements already described in the Change Request.

Detailed assessment:**EUROSYSTEM ANALYSIS – GENERAL INFORMATION**

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		
	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
	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			
Impacted UDFS chapter			
Additional deliveries for Message Specification (UDFS, MyStandards, MOP contingency templates)			
UHB	SDMG 2.5.10.3 Attribute Domain - New/Edit Screen 6.4.2.11 Attribute Domain - New/Edit Screen	Modification of Business rule DRUB006.	
Impacted DTS chapter			
External training materials			
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			
In order to allow the modification/deletion of the values of an attribute domain already linked to MSA, it is necessary to modify Business rule DRUB006 and instate a detailed set of checks depending on the modified values.			

The following operations will be allowed as part of the Update Attribute Domain function, with constraints in order to preserve data referential integrity:

- Update of the Attribute Domain major entity
 - o Update of Attribute Domain Description will be possible regardless of linked MSA.
 - o Update of Attribute Format, Minimum Code Length, Maximum Code Length and Case will be possible only if consistent with any existing and active Market Specific Attribute Value linked to the Attribute Domain.
- Creation of new Attribute Values
 - o Creation of new Attribute Values will be allowed only if the Attribute Domain already has one or more active Attribute Values or if no MSA value is linked to it. If neither condition is met it would mean there are existing MSAs using an open list of values which would be restricted by the creation of a closed list of Attribute values. In other words, it should not be possible to change from an open list to a closed one for Attribute Domains already used in MSA values.
- Update of existing Attribute Values
 - o Update of Attribute Value Description attribute will be possible regardless of linked MSA.
 - o Update of Attribute Value attribute will be possible only if the value is not used in any linked MSA.
- Deletion of existing Attribute Values
 - o Deletion of Attribute Value will be possible only if the value is not used in any linked MSA. Because of this it will not be possible to change from a closed list of values to an open one if the Attribute Domain is linked to any MSA value, in line with the limitation foreseen for the Creation of Attribute Values.

Main cost drivers:

- Software development

Impact on other TARGET Services and projects

No impact on TIPS, ECMS, CSLD, TARGET2

Summary of project risk

Security analysis

No adverse effect has been identified during security assessment

DG - MARKET INFRASTRUCTURE & PAYMENTS

ECB-PUBLIC



09 November 2021

Cost assessment on Change Requests

T2S-528-SYS – T2S should allow the modification of possible values for an Attribute domain linked to a Market-specific attribute			
One-off	Assessment costs*		
	- Preliminary	2,000.00	Euro
	- Detailed	10,000.00	Euro
One-off	Development costs	70,537.29	Euro
Annual	Operational costs		
	- Maintenance costs	4,960.36	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).