<table>
<tr><td colspan="3" align="center">General Information (Origin of Request)</td></tr>
<tr><td colspan="3">☒ User Requirements Document (URD)</td></tr>
<tr><td colspan="3">☒ User Detailed Functional Specification (UDFS)</td></tr>
<tr><td colspan="3">☐ User Handbook (UHB)</td></tr>
<tr><td colspan="3">☐ Other User Functional or Technical Documentation (SYS)</td></tr>
<tr><td>Request raised by: 4CB</td><td>Institute: ECB</td><td>Date raised: November 2019</td></tr>
<tr><td colspan="2">Request title: User-Distinguished-Name Relationship</td><td>Request ref. no: CSLD-0033-URD</td></tr>
<tr><td colspan="2">Request type: Common</td><td></td></tr>
<tr><td colspan="2">1. Legal/business importance parameter: Low</td><td>2. Market implementation efforts parameter – Stakeholder impact: Low</td></tr>
<tr><td colspan="2">3. Operational impact: na</td><td>4. Financial impact parameter:</td></tr>
<tr><td colspan="2">5. Functional/ Technical impact:</td><td>6. Interoperability impact: na</td></tr>
<tr><td colspan="2">Requestor Category: Central Banks</td><td>Status: 4CB detailed assessment</td></tr>
</table>

Reason for change and expected benefits/business motivation:

The user requirements document specifies a one-to-one relationship between distinguished name (DN) and user according to requirement SHRD.UR.BDD.250. It is explicit in defining the DN as the unique key and associates one user and one service to the DN. The requirement unambiguously states that a DN is assigned to a user. However, the actual requirement for RTGS/CLM is, as it is already the case for CRDM, to support a many-to-many relationship between user and distinguished name, in order to allow using the same certificate for multiple users

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Description of requested change:

In order to allow establishing a many-to-many relationship between users and distinguished name, the purpose of the CR is the adaptation of the user requirements and the CLM-RTGS implementation to align the relationship between user and distinguished name to the current model that CRDM (and also T2S) use.

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Submitted annexes / related documents:

None

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Proposed wording for the Change request:

Changes to document T2-T2S Consolidation User Requirements Document - Common Components v2.0

Amend SHRD.UR.BDD.250 as follows:

<table>
<tr><td>Id</td><td>SHRD.UR.BDD.250</td></tr>
<tr><td>Name</td><td>Distinguished Name</td></tr>
<tr><td>Description</td><td>This entity shall denote the Distinguished Name assigned (via a digital certificate) to <s>a</s> one or many User(s) to allow access to a service, application</td></tr>
</table>

or component.

Mandatory attributes:
- **Distinguished Name** (KEY)
- **User Id**
  The unique technical identifier of a User
- **Service Identifier**
  Unique identifier of a Eurosystem Market Infrastructure Service, application or component the user is allowed to access
- **Certificate Information**
  Information related to the digital certificate

Optional attributes: n/a

Moreover in chapter 9.1.3 of the Common Component URD the cardinality for "User" is to be changed from "1" to "1,n".
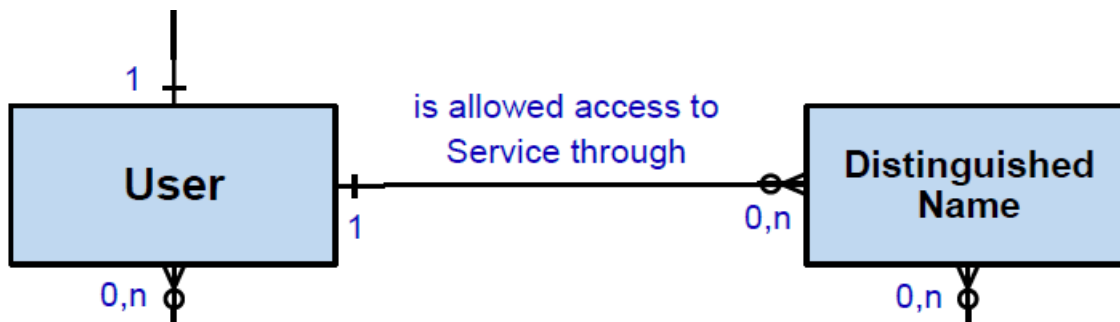
CLM UDFS:
 chapter 2.2 Authentication and authorisation process in CLM:

CLM then carries out the authorisation of the sender at application level. The DN that is used to sign the A2A message is linked to ~~one~~ at least one user or application since it is possible to use one DN by more than one user. The user may have one or many roles. The authorisation of the request is checked against the role's access privileges.

RTGS UDFS:
 chapter 2.2 Authentication and authorisation process in RTGS:

Within this chapter:

...RTGS then carries out the authorisation of the sender at application level based on the DN's access rights profile. The DN that is used to sign the A2A message is linked to ~~one~~ at least one user or application since it is possible to use one DN by more than one user. The authorisation of the request is checked against the role's access privileges.

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High level description of Impact:

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Impacts on other projects and products:

Outcome/Decisions:

			Process	User Interaction	Business Data Definition	Non-functional Requirements
CENTRAL LIQIDITY MANAGEMENT (CLM)	GENERAL	CLM Payment Order	X	X		
		CLM Liquidity Transfer Order				
		CLM Liquidity Reservation				
	CENTRAL BANK SERVICES	Modify Credit Line				
		Connected Payments				
		Overnight Deposit				
		Marginal Lending				
		Minimum Reserve Management				
		EoD General Ledger Files				
REAL-TIME GROSS SETTLEMENT (RTGS)	GENERAL	RTGS Payment Order	X	X		
		Queue Management				
		RTGS Liquidity Transfer Order				
		RTGS Liquidity Reservation				
		RTGS Services for Ancillary Systems (AS)				
	CB SER-VICES					
COMMON COMPONENTS	GENRAL	ESMIG				
		CRDM				
		Business Day				
		User Roles and Access				

		Information and Reporting				
		Data Warehouse Services				
	CENTRAL BANK SERVICES	Billing				
		Legal Archiving				
		Contingency Settlement				
4CB internal categories		Operational Tools				
		Automation				

Impact on major documentation		
Document	**Chapter**	**Change**
Impacted UDFS chapter	Chapter 2.2 Authentication and authorisation process in CLM and RTGS	Change cardinality between user and distinguished name from 1,1 to 1,n
Additional deliveries for Message Specification/ MyStandards		
UHB		
External training materials		
Other documentations		

Links with other requests				
Links	Reference		Title	

Summary of functional, technical, operational, stakeholder, financial and interoperability impacts
Adaptation of the relationship between user and distinguished name in CLM and RTGS Comprehensive testing of different user and DN combinations and constellations for CLM and RTGS.
Summary of dependencies
None

Summary of project risk
None
Security analysis
No potentially adverse effect was identified during the security assessment.