| General Information (Origin of Request) | | |
|---|---|---|
| ☒ User Requirements (URD) | | |
| ☐ Other User Functional or Technical Documentation (SYS) | | |
| **Request raised by:** ECB | **Institute:** ECB | **Date raised:** 05/06/2013 |
| **Request title:** Removal of dedicated link from the URD and related technical documentation | | **Request ref. no:** T2S 419 URD |
| **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:** No cost impact | |
| **Requestor Category:** ECB | **Status:** Authorised at Steering Level | |

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

28 June 2013 was the deadline for T2S Actors to choose the Dedicated Link solution proposed by the Eurosystem. This deadline has passed and no T2S Actor has opted for that connectivity solution.

T2S actors have instead opted to connect to T2S via one of the two licenced value-added network providers: SIA/Colt and SWIFT. Hence, the dedicated link solution will not need to be developed and the Dedicated Link Solution should be withdrawn from the URD and related technical documentation.

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**Description of requested change:**

The change request removes the offering of the Dedicated Link Description Solution from the URD. The UDFS should be amended accordingly and the Dedicated Links Connectivity specifications document should be withdrawn.

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**Submitted annexes / related documents:**

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

On Page 293:

**Catalogue of connectivity services**

| Reference ID | T2S.12.280 |
|---|---|

A catalogue of connectivity services shall be developed as part of the T2S overall service catalogue.

The content of the connectivity service catalogue shall include the network providers offering connectivity to T2S and the services offered by these providers, including;

- Detailed Services,
- Service Levels, detailing performances, availability and support commitments,
- Volume related services,
- ~~Dedicated c~~ Connectivity solutions,
- Backup/Alternative network access solutions.

~~**Possibility of dedicated connections**~~

| ~~Reference ID~~ | ~~T2S.12.290~~ |
|---|---|

~~It shall be possible for CSDs and directly connected T2S participants to connect to T2S via dedicated lines should they wish to do so (for instance for large traffic volumes). This option shall be part of the services offered by connectivity providers in the service catalogue.~~

**Possibility of specialized connections for different types of activities**

| Reference ID | T2S.12.300 |
|---|---|

T2S Network providers shall offer T2S actors the possibility to combine several <u>channels</u> ~~connections~~ for several types of activities (e.g. one ~~dedicated line~~ <u>channel</u> for the instructions and another one for queries and reports).


**Backup connectivity**

| Reference ID | T2S.12.310 |
|---|---|

Each CSD shall implement a backup connectivity solution in respect of business contingency/continuity.

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**Proposed wording for the GFS update:**

3.2.3.1. Description of the module

The T2S *Communication Module* supports several connectivity options **{T2S.12.010}**, ~~including dedicated lines {T2S.12.290}~~. The T2S connectivity services support store-and-forward and real-time file and message transfers **{T2S.12.260}**.

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**Proposed wording for the UDFS update:**

**At Paragraph 1.3**

Access to T2S

### Connectivity (A2A/U2A)

### Introduction

The purpose of this section is to introduce the basic connectivity to T2S. It does not aim to describe in details the technical connection with T2S.

### Modes of connectivity

T2S supports the connectivity of T2S Actors as follows:

- Communication between software applications via XML messages or files (A2A mode);
- ~~Via the dedicated links network service preparation (A2A and U2A mode (DL-NSP));~~
- Online screen-based activities performed by T2S Actors (U2A mode).

DIAGRAM 1 – MODES OF CONNECTIVITY
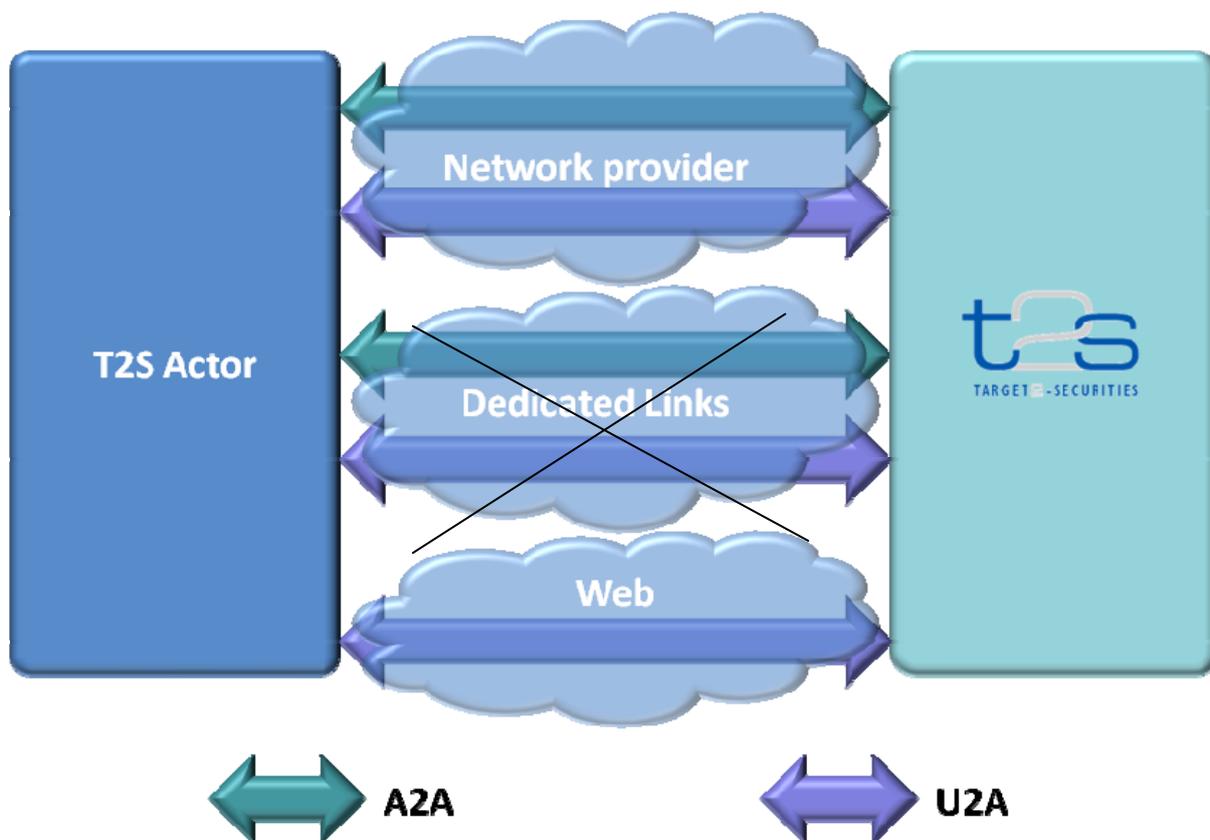


The T2S internet solution is intended to help low volume users[54].

The T2S internet connection is not part of the User Requirements Document and is offered "on top" thanks to synergies with the T2 services. It is not supported by a SLA and therefore does not envisage any KPI commitments. It can neither be used as an alternative to the VAN networks in the day-by-day operations nor as a contingency network. In other terms, it can be requested only as complementary to a standard VAN connection.

For the A2A communication, ISO 20022 is the single standard, concerning both inbound and outbound communication. Using this standard, the T2S Interface complies with Giovannini protocol recommendations[55].

*At paragraph 1.3.2.2.1*

*Authentication of the technical sender*

The authentication of the technical sender is performed at network infrastructure level and it is based on the certificate used by the T2S Actor to establish the technical connection with the network infrastructure itself. The way this authentication process takes place depends on the connectivity option selected by the T2S Actor. More precisely, when the T2S Actor uses a Value Added Network (VAN) to interact with the T2S platform, the authentication of the technical sender is under the responsibility of the technical connectivity provider operating the Value Added Network (VAN) selected by the T2S Actor to connect to the T2S platform. If the T2S Actor uses a Dedicated Link (DL) to connect to the T2S platform, then the authentication of the technical sender is performed directly by the T2S platform.

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[54] The volumetric assumptions applying to the T2S Internet solution can be found in the DL Connectivity Specifications V1.0. The service levels for the Internet connection do not envisage commitments on the availability of the channel, nevertheless once the transactions are captured in the system, the standard T2S KPI apply.

[55] The Giovannini recommendations, published in March 2006, are an agreed set of EU-wide data standards and technology recommendations aimed at creating an environment where all industry participants can interoperate, eliminating some of the complexity and cost of cross-border clearing and settlement.

DIAGRAM 2 – TECHNICAL SENDER AUTHENTICATION
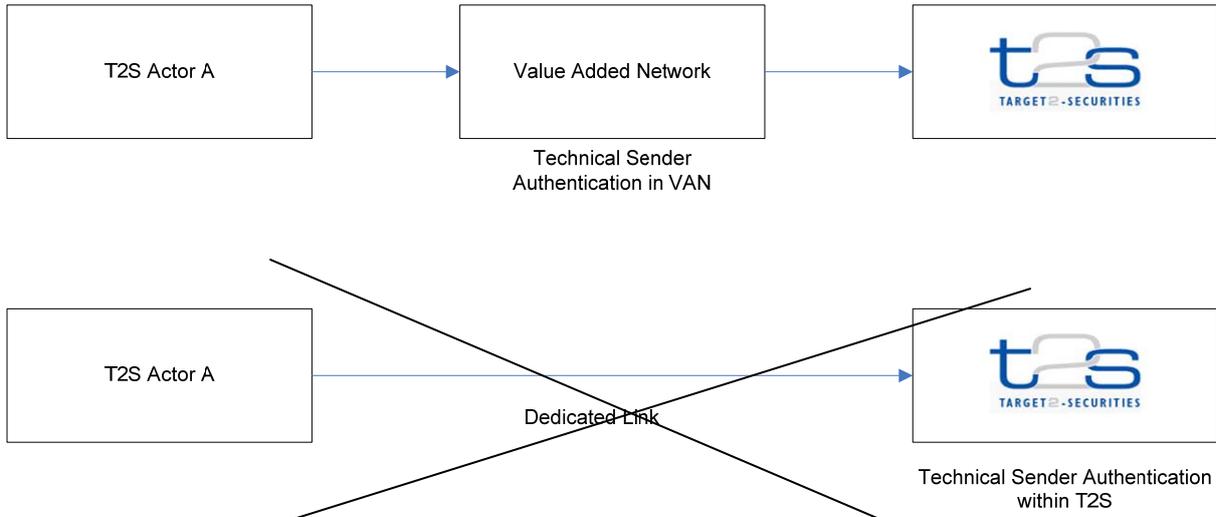


In both cases, In case of successful authentication of the technical sender, the T2S application gets the certificate DN of the technical sender. The T2S application uses this certificate DN later on, during the authorisation process (see section (…)").

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*At paragraph 1.3.2.4.1*

*Direct connection participation*

In this case the T2S Actor is directly connected to the T2S platform (either via a Value Added Network or through a Dedicated Link) and it also signs the business requests it intends submitting to the T2S application for processing. This means that the T2S Actor acts both as technical sender and business sender.

DIAGRAM 3 – DIRECT CONNECTION PARTICIPATION



It is worth mentioning that in this case the T2S Actor can opt for using the same certificate to play both the role of the technical sender and the role of the business sender.

## 1.3.2.4.4 Examples of instructing scenarios

The following table shows how the different elements allowing the identification of the technical sender, the business sender and the instructing party are conveyed by the relevant communication headers.

TABLE 28 – DIRECTLY CONNECTED PAYMENT BANK

| ELEMENT | VALUE | HEADER |
|---|---|---|
| Technical Sender | <cn=t2s-a2a,o=bnkxccttxxx,o=nsp1> | DEPH[71] |

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**High level description of Impact:**

No impact

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[71] DEPH stands for Data Exchange Protocol Header. The Data Exchange Protocol is the network communication protocol used by T2S. Each technical connectivity provider (in a VAN scenario) and each T2S Actor (in a DL scenario) must use this protocol to send data to and to receive data from T2S.

**Outcome/Decisions:**

* CRG meeting of 12 July 2013: The CRG decided to make some minor wording updates on the Change Request for clarification purposes and recommended the approval of the updated Change Request.

- CSG decision on 12 August 2013: A CSG member raised some objections about its final approval. Discussion was postponed to the CSG meeting on 26 September 2013.

- Advisory Group's advice on 12 August 2013: an AG member raised some objections about its final approval. Decision was linked to the CSG meeting on 26 September 2013.

- CSG resolution on 26 September 2013: The CSG endorsed the Change Request as its meeting of 26 September 2013.

* CSD Steering Group meeting of 26 September 2013: The CSG adopted the resolution to approve the Change Request.