Content of TIPS Release 5.0

On 12 August 2020, the TIPS TSWG recommended the scope of TIPS Release 5.0.

On 1 February 2022 the Market Infrastructure Board (MIB) has approved the content of the TIPS Release 5.0. The release consists of the following change requests, a product backlog item (PBI) and potential further fixes to production problems that might arise.

In April 2022, the MIB has approved the inclusion of editorial CR TIPS-0050-SYS and the respective PBI000000221097 in scope for TIPS Release 5.0.

1 Intraday change synchronization between TIPS and CRDM [TIPS-0021-SYS]

TIPS receives data from the Common Reference Data Management (CRDM) component on a daily basis. Due to the desynchronization between the two applications and TIPS's 24/7 operations, certain data management operations of a time-sensitive nature are available in TIPS's local reference data management as well as in CRDM.

Currently, these operations can be performed only on local reference data side (i.e. within TIPS) directly, while on the CRDM side it is only possible to set the initial limit for a TIPS CMB (this data is only used as the initial value for the opening of the CMB in TIPS, and any subsequent update performed on CRDM side is ignored by TIPS). Similarly, restrictions applied to Participants, TIPS Accounts and CMBs on CRDM side are not propagated to TIPS.

This CR aims at introducing an intraday synchronization mechanism in order to allow the same availability of these functions on CRDM side, in line with its service time.

2 TIPS adaptations to CRDM for T2-T2S Consolidation [TIPS-0023-SYS]

With the go-live of T2-T2S Consolidation, CRDM will be further enhanced to cover the reference data requirements for the Central Liquidity Management (CLM) and Real-Time Gross Settlement (RTGS) components of the future T2 Service, as well as for the new Billing and Business Day Management common components that will replace respectively the current T2S Billing and Scheduling modules.

In addition to the changes to the data structures and back-end functions, the U2A and A2A business interface for CRDM will be enhanced to cover the requirements from T2. This will entail the following:

- Changes to the existing CRDMTIPS GUI screens, as they will cover a broader spectrum of data including T2 object types;
- The introduction of an A2A channel for CRDMTIPS, allowing to manage certain objects;
- Impact on the A2A message schemas used by TIPS (e.g. for managing Limits);
- Extended visibility of CRDM data, which will include data not strictly related to TIPS (e.g. T2 Cash Accounts).

3 Reconciliation enhancements in TIPS [TIPS-0044-SYS]

TIPS stores the balance after settlement (FTTS) to maintain the operational database used for the purpose of Statement of Account preparation. Unlike the new reconciliation model, the current calculation takes into consideration the effect on the balance stemming from concurrent transactions.

As a matter of fact, the logic highlighted above may lead to some apparent inconsistent balances reported in the Statement of Account as raised by some market participant (see PBI000000217270). The issue appears in the event of multiple concurrent transactions on the same account, e.g. either instant payments in their conditional phase - after reservation of funds - or due to the RTGS rejection of a previously settled Outbound Liquidity Transfer in status 'transient'.

The aim of this Change Request is to align the behaviour of the reconciliation via reports (i.e. balances BFTS and FFTS) to the MEPT properties developed in the context of the TIPS-0032, i.e. neutralizing the effects on the balances stemming from concurrent transactions that did not reach a final status yet (e.g., rejected or settled).

As agreed in the November TSWG, the CR is implemented via hot-fix in January 2022. Therefore, it is included in the scope of R5.0 as editorial CR to reflect the relevant changes in the TIPS SDDs.

4   CLM TIPS Adapter [CSLD-0050-URD]

The aim of this CR is to assess the realisation of an Adapter between CLM and TIPS, built as a new, independent software component, which will make possible for both TIPS and CLM to function smoothly with limited changes.

5   Liquidity Transfer management alignments (editorial changes only) [TIPS-0050-SYS]

The functional enhancements in the area of pan-European reachability (TIPS-0033) and TIPS-CLM adaptations (TIPS-0025) together with the parallel decision to postpone the CSLD project go-live by one year led to some temporary inconsistencies, already partially mitigated with (i) the Editorial Change request TIPS-0047 and (ii) the deployment of a Production hot-fix by Mid-January 2022 (PBI000000219136).

The aim of this Change Request is to remove all the temporary mitigation measures and the remaining inconsistencies resuming the normal condition of the TIPS-CLM interface, in synch with the scheduled production deployment of the CSLD project.

6   PBI000000221097 TIPS CR-0050 will be dealt with via a PBI for its inclusion in the Service Transition Plan of R5.0

As agreed with the TIPS TSWG, the content of the TIPS CR-0050 will be dealt with via a PBI for its inclusion in the Service Transition Plan of R5.0.

Consequently, the TIPS CR-0050 will be treated as purely editorial on the Scope Defining Documents.

The changes related to the TIPS-0050 are the following:
1) Removal of the technical validation that prevents the acceptance of Outbound LTs whose identifiers are longer than 16x, introduced with PBI000000219136 via hot-fix.
2) Removal of restriction to 16x of the transaction id in the TIPS GUI (Liquidity Transfer - New screen)
3) Removal of leading and trailing blanks in both end-to-end reference and transaction identification GUI fields