Get/Return Transaction Messages - Delta set retrieval – proposal for T2

TCCG meeting
09 December 2020

Background

- **Today TARGET2 offers a Delta Set Retrieval Functionality***
- **4CB foresees to offer a simplified Delta Set Retrieval Functionality for CLM and RTGS owing to**
  - Avoid/reduce the transmission of high data volumes,
  - The assumption that a Delta Set Retrieval Functionality is appreciated by Level2
- **Software delivery planning elements are not taken into account so far.**
- **The proposed less complex functionality (see following slides) was agreed by TSWG in November 2020.**
- **4CB detailed assessment is currently in progress**

**Please refer to UDFS book 4 section 2.7*

Delta Set Retrieval Functionality for CLM and RTGS Scope

- The provisioning of delta sets requires an initialisation with a statement of search criteria. The system state is then saved at the time of the initialisation query. The delta query has to be compared with the saved system state
- The delta set can be queried for changes with regard to cash transfer (orders) in case of new entries and/or a change of the settlement status
- There is no limitation regarding the number of delta requests
- The timeframe within the delta queries can be sent is limited to the current business day
- The initialisation query are deleted during the end-of-day processing
- A serialisation logic ensures that if two delta queries arrive at the same time, only one is processed
- Rules for sequencing exist, as the responses are sequence dependent

Delta Set Retrieval Functionality for CLM and RTGS Course of tasks on users site

1. **Send a get transaction request (initialisation query - camt.005 – Get transaction))**
2. **Receive the initialisation response (camt.006 – Return transaction with a query name*)**
3. **Send a delta set retrieval request (new camt.005 with the relevant query name)**
4. **Receive the delta response (camt.006 – Return transaction)**

<<Steps 3 and 4 can be repeated along the day using the relevant query name>>

** The query name is an message element (<QryNm>) and remains the same for all the delta query responses. It only remains valid for this party and that date*

Comparison proposed T2 CR061 and the TARGET2 functionality (I)

Scope	TARGET 2 functionality	Proposed CSLD CR 061
Relation between two queries	*Existing*	*Will exist*
Enquiries about the difference of two system states	• Three different comparison modes that compare different attribute categories: new items, modified items, deleted items **can be requested separately.** • The items and changes are **related to the settlement status of cash transfers (orders) and status of any interactive change, eg change of priority**	• New items and modified items can be requested within via **one** query. Therefore new items and modified items, will be reported within one query response. Modified items cannot be distinguished from new items. • Rejected revoked and cancelled items will also be reported. • The items and changes are **related to the settlement status of cash transfers (orders) and new cash transfers orders.** • Changes of priorities will not reported as they are not settlement status change.

Comparison proposed T2 CR061 and the TARGET2 functionality (II)

Scope	TARGET 2 functionality	Proposed CSLD CR 061
Saving of system state at the time of the query to be able to compare with each delta query	Existing	Will exist • The initialisation query can contain search criteria or the full data scope. Each query is considered as an initialisation query, if it does not contain a query name, which was generated by a previous RTGS/CLM query. A query response is created based on the rights of the sending user and party. • Queries of payment bank and CBs (of the payment bank) are treated separately
Serialisation logic	Existing	Will exist
Sequencing logic	Existing	Will exist Always the query (no query name, no query type) will be taken as basis for the delta query