

RTGS and CLM: *Additional changes to messages and business rules in the next UDFS*

Changes and updates on the way from UDFS 2.0 to UDFS 2.1

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I. Background and aim of the presentation

- **4CB gave presentations on several updates on message usage guidelines between UDFS V1.1 and 2.0 to the TCCG/TSWG**
- **Based and building on these presentations we will give a brief overview on changes and updates on RTGS and CLM message usage guidelines and validation rules to be found in the UDFS V2.1**
- **Furthermore we will briefly inform you about further updates in the relevant message chapters in RTGS and CLM UDFS V2.1, as well as provide an outlook on future activities**

II. Changes on usage guidelines for UDFS V2.1 in RTGS and CLM (I)

Changes triggered by HVPS+ (currently only pacs message usage guidelines)

- Due to CBPR+ alignment activities of HVPS+ the CR0027 was raised to align RTGS and CLM message usage guidelines to the latest available HVPS+ recommendations
- The alignment activity showed that a time offset needs to be reflected in the RTGS and CLM message portfolio for message elements with ISODateTime and ISOTime data types
- A mandatory time offset pattern is applied to RTGS and CLM to relevant message elements `.*(\+|-)((0[0-9])|(1[0-3])):[0-5][0-9]`
- Inbound messages to RTGS and CLM will always have to be provided with a mandatory time offset to UTC
- Outbound messages from RTGS and CLM will apply a time offset of +00:00 to UTC as UTC is the relevant time zone in both components
- Details are provided in UDFS chapter 11.2.2

Note: CBPR+ and HVPS+ are further working on new recommendations, which might be considered for RTGS and CLM once they are published

II. Changes on usage guidelines for UDFS V2.1 in RTGS and CLM (II)

Updated concepts for business validation rules

- In RTGS and CLM there are business validation rules implemented which have three different sources
 - Business validation rules of T2 (RTGS and CLM) (1)
 - Validation rules of ISO (2)
 - Business validation rules of HVPS+ (3)
- UDFS V2.1 (and message usage guidelines) include these three different sources of business validation rules and IDs mainly for maintenance and transparency reasons
- Error codes also follow this approach
- Implementation of ISO 20022 validation rules in the backend applications is necessary because of switched-off network validation services
- Examples:
 - (1) VR00010 and Error code E001
 - (2) IV00050 and Error code X050
 - (3) HV00860 and Error code Y086
- Validation rules and error code are listed in the UDFS chapter “Index of validation rules and error codes”
- For ECONSII purposes, there have been ECONSII business rules included in RTGS (pain.998 ASTI) and CLM (head.001, camt.003, camt.018, camt.050)

II. Changes on usage guidelines for UDFS V2.1 in RTGS and CLM (III)

Quality improvements on annotations and updates to message examples 1

- Improvement of message scope description i.e. clear focus on the purpose and use of the message within the T2 component
- Annotations in the message usage guidelines are cleaned up i.e. removal of all comments, reminders or current PM or HAM use
- Textual annotations are replaced by business validation rule IDs
- Introduction of annotations to flag whenever the content of a message element is not used for settlement purposes in RTGS or CLM but kept in the message because of HVPS+ alignments
- Common Component annotations removed and replaced with “Not used for RTGS and CLM” in the common schema usage guidelines
- RTGS and CLM examples are not provided in “Sample Messages” as MyS validates BICs based on production BIC Directory and this makes MyS to flag examples with dummy BIC values “invalid”
- 4CB is negotiating with MyS to accept examples with dummy BIC values as “valid”

II. Changes on usage guidelines for UDFS V2.1 in RTGS and CLM (IV)

Quality improvements on annotations and updates on message examples 2

- For UDFS V2.1 4CB has introduced a concept of business scenarios to bring message examples into the context of the relevant component
- It is especially important in RTGS and CLM to show users the various use cases of messages by making use of consistent data input and guiding the user to see the population of mandatory and useful commonly used optional elements
- The rationale behind this concept is to clearly show the flow of relevant BICs, account IDs, references, etc. across inbound and outbound messages within a realistic business scenario
- Relevant message example file names in the UDFS and on MyStandards have been flagged with the suffix indicating the business scenario number
- Details on business scenarios are provided in the new UDFS chapter

III. Updates in message chapters

The following minor updates have been done

- Several changes on message schemas listed in a dedicated change log for UDFS 2.1
- New BIC Pattern ([A-Z0-9]{4,4}[A-Z]{2,2}[A-Z0-9]{2,2}([A-Z0-9]{3,3})) introduced
- To indicate credit line changes in context with automated marginal lending the credit line change amount and the related codes “AMLS” and “AMLR” will be provided in <AmountDetails> of camt.054
- Screenshots and graphics in message chapters and in the chapter „Digital signature on business layer” have been replaced by more appropriate and high definition ones
- New chapter “Usage of messages” (listed in UDFS chapter processes with RTGS/CLM) have been added with links from dedicated message chapters.
- New chapter “Processing of point-to-point references” have been clarified in new UDFS for CLM/RTGS.
- New chapter “Business scenarios” have been added for CLM/RTGS.
- Time zone specifications and examples updated in UDFS chapter 11.2.2

IV. Outlook

The following future tasks are going to be on our agenda

- Finalisation of the migration of the message portfolio to ISO release 2018/2019 (in accordance with T2S)
- Evaluation of future HVPS+ alignment activities
- Explore the future setup of MyStandards for TARGET Services
- Assessment and incorporation of pending and new CRs
- Bug-fixing resulting from testing activities

Apart from the items listed above, the following are ongoing

- Definition and finalisation of the camt.050 schema as a inter-service message within TARGET Services
- Technical changes on AS business messages
- Technical alignment on CB minimum reserve management messages
- Credit line modification notification
- Validation of Historic Currency and Amount

Thank you for your attention.