



SWIFT MT940

UBB Format Description

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Introduction

This document outlines the structure and application of the MT940 format, utilized in UBB services for account statements. The format is based on the SWIFT format for statements, specifically the MT940 message. This message is generated daily and can be accessed through SWIFT channel or UBB online. MT940 can be generated upon client's request, whether there are transactions (movements) on client's account or not. This ensures that even in the absence of account activity, the account statement is produced, maintaining a continuous record of the account's status for that period. This feature is particularly useful for comprehensive monitoring and record-keeping, allowing the consistent tracking of account status. It serves to document account transactions over a given period, facilitating automated processing in ERP systems.

Transaction Banking Payments MT940

The MT940 is a standard SWIFT (Society for Worldwide Interbank Financial Telecommunication) message for electronic bank UBB statements. Many software programs are able to process information stated in this international standard format. This document provides guidelines that enable companies to implement the MT940 statement into their systems.

This will greatly contribute to improve reconciliation and lead to higher efficiency. To fully benefit, some ERP systems should be improved and adapted based on the description in this document. The format can be easily processed and reconciled by an automated function.

The MT940 format delivers the information in a structured way to the customer.

The present layout is based on SWIFT Standards FIN, Category 9, Cash Management and Customer Status.

This document covers all UBB accounts.

The format description focuses on the implementation of MT940 and MT942 electronic bank statements and contains the Framework defined by UBB.

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1. Layout Structured MT940

File contents

Each file consists of a header, introductory information about the account and about the statement, account movements(transactions) and closing information about the account.

- One statement covers one originator account.
- One statement covers one book day.
- One message contains one or more entries. In case of no transactions, this entry section is empty.

The layout file structure is displayed in the table below:

| MT940 | Status | Tag | Name |
|-------|--------|-----|---|
| | M | | Header 1 Swift header |
| | M | 20 | Transaction Reference Number |
| | M | 25 | Account Identification |
| | M | 28C | Statement Number/Sequence Number |
| | M | 60F | Open UBB Balance |
| | 0 | 61 | Statement Line |
| | 0 | 86 | Information to Account Owner |
| | M | 62F | Closing UBB Balance (Booked Funds) |
| | 0 | 64 | Closing UBB Available Balance (Value Balance) |
| | | | Message Trailer Section |

*M - Mandatory

*0 - Optional

2. Message Header and Footer

Message Header MT940

The Message Header opens the MT940 message. It contains 1 line with SWIFT blocks 1, 2 and 4 and includes the sender and destination BIC. It will be populated with a value of:

```
{1:F01UBBSBGS0AXXSN...ISN.}{2:I940$$$$$XXXXN}{3:{108:24029RRWGJ37627}}{4:
```

In this example the sender BIC is UBBSBGS0AXXX, and the destination BIC (receiving bank) is \$\$\$\$\$\$, followed by constant component XXX and XN (this field I940 consists of 13 symbols including the counterparty BIC). These values will be hardcoded in the statements.

Message Trailer MT940

The Footer Record closes the Domestic MT940 message. It will be populated with a fixed value of -}.

3.Tags names and specifications

Tag 20

Transaction Reference Number (TRN)

Mandatory

This tag specifies the reference assigned by the Sender to unambiguously identify the message. This field contains a UBB generated transaction reference. It will be populated with the date of the statement in format YYYYMMDD followed by the "-" and " Statement Number ".

| Description | Pict | Content |
|------------------------------|------|---|
| Tag | 4!x | :20: |
| Transaction Reference Number | 16x | This field must not start or end with a slash '/' and must not contain two consecutive slashes '//' |
| CS2 (cr,lf) | 2!x | hex0DOA |

Example

20:20221021-159

Tag 25

Account Identification

Mandatory

This field identifies the account for which the statement is sent.

| Description | Pict | Content |
|------------------------|------|--|
| Tag | 4!x | :25: |
| Account identification | 35x | IBAN NB: 22 characters for BULGARIAN IBAN |
| CS2 (cr,lf) | 2!x | hex0DOA |

Example

:25:BG14UBBS81551004486715

Tag 28C

Statement Number/Sequence Number

Mandatory

This field contains the sequential number of the statement, optionally followed by the sequence number of the message within that statement when more than one message is sent for one statement.

| Description | Pict | Content |
|------------------|------|--------------------------------------|
| Tag | 5!x | :28C: |
| Statement number | 5n | Length.4 5 Conversion.4.1 PAGE.NO |
| CS2 (cr,lf) | 2!x | hex0DOA |

Example

:28C:159/1

Internal

Tag 60F

Opening Balance

Mandatory

This tag specifies, for the opening balance, whether it is a debit or credit balance, the date, the currency, and the amount of the balance.

| Description | Pict | Content |
|---------------------------|------|--|
| Tag | 5!x | :60F: |
| Opening Credit/Debit Mark | 1!x | C (= Credit); D (= Debit); |
| Opening Statement Date | 6!n | YYMMDD |
| Closing Currency Code | 3!x | ISO currency code |
| Opening Balance | 15n | Amount with “,” (comma) as decimal point |
| CS2 (cr,lf) | 2!n | hex0DOA |

Example

: 60F:C241001BGN150000,00

Tag 61

Statement Line

Optional

This field contains the details of each transaction

| Description | Pict | Content |
|-----------------------------|------|---|
| Tag | 4!x | :61: |
| Value date | 6!n | YYMMDD and SWIFT ERI |
| Entry date | 4!n | MMDD |
| Credit/Debit Mark | 2x | C (= Credit); D (= Debit); |
| Transaction Amount | 15n | |
| SWIFT Transaction Code | 4!x | Transaction code is specified by the letter “N” followed by an indicator of the type of the entry. |
| Account Owner Reference | 16x | Taken from the received entries when available or reference to a value in Tag86. When not available in Tag 86, the text ‘NONREF’ is used. |
| Account Servicing Reference | 16x | // - Reference separator Conversion.16.2 FMT,32L |
| TXN CODE SWIFT | 3n | TXN CODE SWIFT |
| CS2 (cr,lf) | 2!n | hex0DOA |

Example

:61:2210211021C78,00NMSCBS//3938233595113//BS.3-10-21-2022938233595113-1 Principal - Make Due

Internal

Tag 86 Information to Account Owner

Optional

This tag contains additional information about the transaction detailed in the preceding statement line and which is to be passed on to the account owner.

UBB AD provides to their customers two types of MT940 statement, regarding the format of tag 86.

The first option is unstructured tag 86, where the delimiter between the subtags is "/". The structure and example are detailed in Appendix 1

The second option is structured tag 86, where the delimiter between the subtags is "+". The structure and example are detailed in Appendix 2

Tag 62F Closing Balance (Booked Funds)

Mandatory

This tag specifies for the closing balance, whether it is a debit or credit balance, the date, the currency and the amount of the balance. Used option is F.

| Description | Pict | Content |
|------------------------------|------|-----------------------------|
| Tag | 5!x | :62F: |
| Closing Credit/ Debit Mark | 1!x | C (= Credit) or D (= Debit) |
| Closing statement date | 6!n | YYMMDD |
| Closing currency code | 3!x | ISO currency code |
| Total.1 Closing book balance | 15n | Amount |
| CS2 (cr,lf) | 2!n | hex0DOA |

Example 62F:C221021BGN6008551,92

Tag 64 Closing Available Balance (Available Funds)

Optional

This field indicates the funds which are available to the account owner (if credit balance) or the balance which is subject to interest charges (if debit balance).

| Description | Pict | Content |
|----------------------------|------|-----------------------------|
| Tag | 4!x | :64: |
| Closing Credit/ Debit Mark | 1!x | C (= Credit) or D (= Debit) |
| Closing statement date | 6!n | YYMMDD |
| Closing currency code | 3!x | ISO currency code |
| Closing book balance | 15n | Amount |
| CS2 (cr,lf) | 2!n | hex0DOA |

Example 64:C221021BGN6008551,92

Appendix 1 SWIFT format reference

In the definition of format of each message, tags are used as described in the SWIFT User Handbook. Tag content may be composed of one or several subfields. Length and content are defined for each tag. In order to specify length of different tags the follow UBB is used:

Restrictions on Length

| | |
|------|---|
| nn | Maximum length |
| nn! | Fixed length |
| n*nn | Maximum number of lines times maximum line length |
| f | Fixed length |
| v | Variable length |

| | |
|---|--|
| n | Numeric digits [0..9] only |
| x | Any character of the SWIFT character set |

Example:

| | |
|-------|---|
| 2n | = up to 2 digits |
| 6*65x | = up to 6 lines of up to 65 characters each |

All tags shown in files are also validated against their presence. The status of tags is either mandatory or optional.

SWIFT character set

SWIFT uses the ISO level B character set with certain restrictions. The following characters are permitted:

- a b c d e f g h i j k l m n o p q r s t u v w x y z
- A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
- 0 1 2 3 4 5 6 7 8 9

-
- • / - ? () . , + ' { } : Space

Appendix 2 TAG 86 – UNSTRUCTURED (DELIMITER “/”)

This field contains additional information about the transaction detailed in the preceding statement line and which is to be passed on to the account owner.

| Description | Pict | Content |
|------------------------------|-------|--|
| Tag | 4!x | :86: |
| Information to account owner | 6*65x | <p>Lines start with business codes (1 to 4 digits) for the transactions at the beginning of the fields according to UBB nomenclature.</p> <p>Data that could be present:</p> <p>IBAN and name of the counterparty;</p> <p>BIC code and name of the of the bank of the originator or recipient (counterparty);</p> <p>Where it relates to a transaction fee the record contains amount and currency as well as information about the reference of the transaction to which it relates</p> |
| CS2 (cr,lf) | 2!n | hex0DOA |

Internal

Appendix 3 TAG 86 – STRUCTURED (DELIMITER "+")

This field contains details of each transaction:

| Description | Pict | Content |
|-------------|------------------------|---|
| Tag | 4!x | :86: |
| Subtags | | |
| | 4 f | Business Code (three digits) |
| 00 | 27 v | Booking text |
| 10 | 10 v | Transaction Reference |
| 20 | 27 v | N/A (constant empty field) |
| | | Details of payment |
| 21-27 | 216 v (max 8*27 char.) | Details of payment (+ID of obliged person, only for budget payments - UIC or EGN) |
| 30 | 8 v | BIC of third party |
| 31 | 35 v | ACCOUNT/IBAN of third party |
| 32-33 | 54 v (2x27 char.) | Name of third party |
| 40 | 5 f | FX Rate |
| 50 | 35 v | Internal settlement account |
| 60 | 7f | Internal cost code |

Internal

More information

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