ING Format Description

Structured MT940 & MT942 (Version 4) *Strategic*

InsideBusiness Connect
InsideBusiness Payments CEE
SwiftNet FIN
SwiftNet FileAct
Telelink@Isabel
EBICS

Document version history

Version	Date	Changes		
1.0	20-11-2013	First version		
2.0	14-02-2014	Added:	-	Extended list of ISO Return Reason codes
2.1	17-03-2014	Added:	-	Clarification of some detailed fields
2.2	17-04-2014	Added:	-	Description of Swift headers
3.0	01-05-2014	Added:	-	Country scope extended with Ireland
4.0	18-06-2014	Updated:	-	Textual improvements in the document
			-	Description of Tag Identifier for Tag 64 and Tag 65
			-	ING Transaction code for Corrections 0990x renamed to Rectification
			-	ING Transaction Codification for Ireland
			-	ING Transaction Codification 01062 for Domestic Direct Debit
		Added:	-	(Government) for The Netherlands
			-	Additional information for Tag 28C
5.0	31-10-2014	Updated:	-	Description of ING Transaction codification
			-	Layout and Introduction section
			-	Document revision history brought to front of document
		Added:	-	MT942 Format Description
			-	Country scope extended with Bulgaria + ING Transaction codification
			-	Channel Scope extended with SWIFTNet FIN
			-	Channel Scope extended with IBP CEE for accounts held in Bulgaria
			-	SWIFT character set on "X"
			-	Amount changed from "15n" to "15d"
5.1	05-12-2014	Updated:	-	ING Transaction Codification for Ireland & Bulgaria

5.2	15-04-2015	Updated:	-	ING Transaction Codification for Netherlands, Ireland & Bulgaria
			-	Tag 25 description with IBAN or IBAN+Currency
			-	Message separator "$"
		Added:	-	Tag 86 Information to Account Owner optional for MT942
			-	Tag 28C leading zero's
		Removed:		
5.3	18-04-2016	Updated:	-	ING Transaction Codification for NL, IE & BG
5.4	30-11-2016	Updated:	-	ING Transaction Codification moved to a separate Annex
5.5	12-07-2022	Updated:	-	Country coverage
5.6	10-03-2023	Updated:	-	Truncation + sign
6.0	01-08-2023	Updated	-	Document review and tag samples added

Introduction

MT940 and MT942 provide detailed information about all entries booked on an account. Using MT940 and MT942 will greatly contribute towards improved reconciliation, leading to higher efficiency and lower handling costs. To fully benefit from and improve your reconciliation rate you may need to adapt your ERP system(s) based on the description in this document.

ING is moving towards one structured reporting format across Europe. We will offer a structured reporting format which will be equal in experience across Europe, predictable and easy to maintain.

Structured MT940 and MT942 (version 4)
The MT940 and MT942, respectively the End of Day statement and the Intraday statement, are standard SWIFT (Society for Worldwide Interbank Financial Telecommunication) messages for electronic banking statements. Many software packages can process information stated in this international standard format. It is often called the electronic banking statement. This document provides ING's guidelines that enable companies to implement the MT940 and MT942 statements into their systems and processes.

The structure of an MT940 and MT942 message is based on SWIFT code words and code words from other relevant sources (/xxxx/) and subfields within a code word (/xxxx/subfield 1/subfield 2/). This format can be easily processed and reconciled by an automated function. The present layout is based on SWIFT Standards FIN, Category 9, Cash Management and Customer Status.

Version
The "Version 4" of this document refers to the layout format of the Structured MT940 and MT942. The document version of this Format Description is stated in the 'Document version history'.

Usage rules for Structured MT940
- Statements in case of no movement (zero statement) is default
- Statements in case of no movement (zero statement) can be switched off
- Standard SWIFT headers will be used

Usage rules for Structured MT942
- No statements in case of no movement (zero statement) are default
- Standard SWIFT headers will be used

ING Codification
The various transaction codification supported by ING in the End of Day and Intra Day statement can be found in a separate document: Codification Annex to Structured MT940 & MT942 Strategic

Message Separator
In case of multiple statements delivered in one file, the messages are separated by the sign "$".

Country Coverage
This Structured MT940 & MT942 is available in the following ING branches:
- Austria
- Bulgaria
- Czech Republic
- France
- Germany
- Hungary
- Ireland
- Italy
- Netherlands
- Portugal
- Romania
- Slovakia
- Spain
- Switzerland
- United Kingdom

In addition to account statements of the above-mentioned countries you can receive in your channel statements for other ING branches or third-party banks. The layout for tag 61 and tag 86 will then not follow the structure as described in this manual. For more information you can reach your contact at ING.

Channel Coverage
This description is applicable to the following channels: "InsideBusiness Connect", "SwiftNet FileAct", "SwiftNet FIN" and "EBICS"
The structured MT94x in channel "InsideBusiness Payment CEE" is available for ING BG accounts only.
The structured MT94x in channel "Telelink@Isabel" is available for ING NL, IE, BG, CZ, RO, HU, SK only.

Contents

1. Layout Structured MT940

For optimal readability when printed, all records are preceded by an identifier (tag) and closed with a CS2 (carriage return, line feed, hex 0D0A). Subfield information is only provided in case it is mentioned in this description.

In the format definition of each message, the message tags are used as described in the SWIFT User Handbook. For the explanation of the used codes see section 4 ´SWIFT Format Reference´.

An MT940 file can contain one or more messages:
- One message applies to one account
- One message applies to one book day
- One message contains one or more entries. Or in case of no transactions, the entries section is empty

MT940	Status	Tag	Name	Repeat	
			Message heading Section	1	
	M		Header 1 Expert Information		
	M		Header 2 Import information		
	O		Header 3 Message information		
			Customer Statement Message Section	1	
	M	20	Transaction Reference Number		
	M	25	Account Identification		
	M	28C	Statement Number/Sequence Number		
	M	60F	Opening Balance		
			Entries Section	0-n	
	O	61	Statement Line		
	O	86	Information to Account Owner		
	M	62F	Closing Balance (Booked Funds)		
	O	64	Closing Available Balance (Value Balance)		
	O	65	Forwarded Available Balance	0-n	
	M	86	Information to Account Owner		
			Trailer Block		
	O		Trailer		

2. Layout Structured MT942

To improve readability when printed all records are preceded by an identifier (tag) and closed with a CS2 (carriage return, line feed, hex 0D0A). Subfield information is only provided in case it is mentioned in this description.

In the format definition of each message, the message tags are used as described in the SWIFT User Handbook. For the explanation of the used codes see section 4 ´SWIFT Format Reference´.

An MT942 file can contain one or more messages:
- One message applies to one account
- One message applies to one book day
- One message contains one or more entries

MT942	Status	Tag	Name	Repeat
			Message heading Section	1
	M		Header 1 Expert Information	
	M		Header 2 Import information	
	O		Header 3 Message information	
			Customer Statement Message Section	1
	M	20	Transaction Reference Number	
	M	25	Account Identification	
	M	28C	Statement Number/Sequence Number	
	M	34F	Debit and Credit Floor Limit Indicator	
	M	13D	Date and Time Indication	
			Entries Section	0-n
	O	61	Statement Line	
	O	86	Information to Account Owner	
	O	90D	Number and Sum of Entries	
	O	90C	Number and Sum of Entries	
	M	86	Information to Account Owner	
			Message Trailer Section	
	O		Trailer	

Message Header and Footer MT940 and MT942

Standard SWIFT message header and trailer is used.
The message header contains up to five blocks:

- Block 1: Export information
- Block 2: Import information
- Block 3: Optional message information[1]
- Block 4: MT940 and MT942 message
- Block 5: Message trailer[1]

Format :
{1 : <Export Info> }{2 : <Import Info> }{3 : <Optional message Info>}
{4 : <MT940/MT942 statement>- }{5 :{CHK :141001456789}}

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[1] Use of block 3 and of block 5 in MT940 and MT942 is dependent on the channel implementation

3. Sub-field specifications

Length - M/O

- Length = nr of characters allowed, see SWIFT Format Reference (Section 4.)
- M = Mandatory; Please note that whilst in the SWIFT standards Sub-field can be identified as 'Optional' in the case that ING always provides this Sub-field then in this document we have identified it as 'M'
- O = Optional

For example, in Tag61, sub-field 2 'Entry Date' in the SWIFT standards it is mentioned as 'Optional' since ING always provides this field, in the below table we have indicated it as 'Mandatory'.

Tag 20   **Transaction Reference Number (TRN)**

This tag specifies the reference assigned by the Sender to unambiguously identify the message.
This is the Sender's Reference specific to the MT940/MT942. It is generated by ING.

Tag	Sub-field	Description	Length - M/O	Remarks
:20:		Transaction Reference Number	16x - M	**Example** :20:P230404003239232

Tag 25 **Account Identification**

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

Tag	Sub-field	Description	Length - M/O	Remarks
:25:		Account Number	35x - M	Default IBAN[2] **Example** :25:NL60INGB0000012122

Tag 28C **Statement Number**

This tag contains the statement and sequential number of the statement.

Tag	Sub-field	Description	Length - M/O	Remarks
:28C:	1	Statement number	5n - M	Restart at 1 at 1st target date of the year ▪ Statement number increases by "1" for every reported cycle[3] ▪ Statement number must be unique for an account per reported cycle within a year ▪ Max. of 1 statement per reported cycle **Example** :28C:123 :28C:12345
	2	Sequence number	5n - O	▪ Unique sequence number per message within a statement, starting at 1[4] **Example** :28C:123/**1**

[2] Reporting of IBAN or IBAN + Currency in Tag 25 depends on implementation and channel. If IBAN is not available in country, then use Local account number
[3] In case of daily statements also statements with no movements will have a unique statement number
[4] Except for SWIFT FIN the sequence number is only relevant for Intraday. Separator between statement number and sequence number is a slash ("/").
  Example 1. Target day 1 and 1 statement in 1 message: 1/1 or 1 Example 2. Target day 1 and 1 statement split in 2 messages: 1/1 and 1/2.

Tag 60F   Opening Balance (MT940 only)

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.

Tag	Sub-field	Description	Length - M/O	Remarks
:60F:	1	Credit/Debit	1!x - M	C (= Credit) or D (= Debit) **Possible Values:** C / D
	2	Date	6!n - M	YYMMDD
	3	Currency	3!x - M	ISO 4217 currency code
	4	Amount	15d -M	Opening book balance If amount equals 0, then indicator is C ▪ Number of decimals are determined by currency ▪ All amounts are formatted with a decimal comma **Example** :60F:C230428EUR**17900,**

Tag 34F   Debit and Credit Floor Limit Indicator (MT942 only)

This tag specifies the minimum value (transaction amount) reported in the message.

Tag	Sub-field	Description	Length - M/O	Remarks
:34F:	1	Currency	3!x - M	ISO 4217 currency code
	2	Amount	15d -M	Transaction amount. Format Amount see Tag 60F **Example** :34F:EUR0,

Tag 13D

Date and Time Indication (MT942 only)

This tag indicates the date, time, and time zone at which the report was created.

Tag	Sub-field	Description	Length - M/O	Remarks
:13D:	1	Date	6!n - M	YYMMDD
	2	Time	4!n - M	HHMM
	3	Sign	1!x - M	Plus or Minus sign
	4	Offset	4!x -M	Offset against Coordinated Universal Time (UTC) **Example** YYMMDDHHMM+HHMM 2304291300+0200

Tag 61   Statement Line

This tag contains the details of each transaction.
Message may contain multiple instances.

Tag	Sub-field	Description	Length - M/O	Remarks
:61:	1	Value Date	6!n - M	YYMMDD
	2	Entry Date	4!n - M	MMDD
	3	Credit/ Debit Mark	1!x - M	C (= Credit) or D (= Debit)
	5	Amount	15d -M	Transaction amount. Format Amount see Tag 60F

6	Transaction code	4!x – M	SWIFT Transaction code is specified by the letter "N" followed by an indicator of the type of the entry.[5] · N: All Customer Initiated Transactions
7	Reference for Account Owner	16x – M	Taken from the received entries when available or reference to value in code word in Tag 86. When not available, the text 'NONREF' is used. Fill in with the label of reference used in Tag 86 CREF Client reference EREF End to End Id PREF PaymentInformationId IREF InstructionId **Example**: :61:1203230323C150,00NTRF**EREF**//ABCDE99999
8	Account Servicing Institution's Reference	16x – M	Bank Reference ING reference preceded by "//" //ABCDE99999 **Example**: :61:1203230323C150,00NTRFEREF//**ABCDE99999**
9	Supplementary Details	34x – O	Supplementary details will be always in new line. /TRCD/<ING transaction codification>/ [6] /OCMT/<ISO CCY+original amount of transaction>/ (only reported if original amount deviates from reported amount in Tag 61 Field 5) **Example**: :61:1203230323C150,00NTRFEREF// ABCDE99999 **/TRCD/00100/**

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[5] See Codification Annex – Appendix A
[6] See Codification Annex – Appendix C

Tag 86   **Information to account owner**

This tag contains additional information on the transaction detailed in the preceding
statement line. Tag 86 contains structured information and can be subject to improvement.

Tag	Sub-field	Description	Length - M/O	Remarks
:86:	1	Information to account owner	6*65x - O	(Only first line starts with a tag. Subsequent lines don't start with a tag) Structured with code words. For details and conditions see below **Example**: :86:/EREF/DOC2012NR033//CNTP/GB84NWBK56004538490927/NWBKGB2LXXX/Mrs Read Consultancy/London//REMI/USTD/Invoice nr.3424 Cust.Id NL010123456

General remarks (:86:)

1. The order of code words (RTRN, CREF, etc..) is always the same for all movement types reported.
2. Code words can be followed by one or more (sub)fields. (Sub)fields are separated by a slash, the last subfield is closed by a slash.
3. Code words are only reported if information is available in one or more (sub)fields.
4. Empty subfields will be left empty, resulting in a slash.
5. Subfields can have variable lengths and positions.
6. Subfields may contain slashes, except for CNTP and for subfield <Name> of ULTC and ULTD.
7. No additional blanks (all fields will be trimmed).
8. For the lines two till six the first character is replaced by a space if the character is a colon (":") or a hyphen ("-")
9. A '+' sign can be used at the end of a subfield to indicate that data of the original instruction has been truncated by ING or any other financial institution involved in processing the financial messages that resulted in an entry on the account statement
10. If the to be reported information exceeds the 390 characters, the info will be truncated from the end. If a (sub)field contains an Amount or References and does not completely fit, the (sub)field will be left out.
11. Additional code words may be added in future.

The following code words are relevant in case of a structured MT940 and MT942 for Tag 86:

Codeword	Description	Elements

/RTRN/	Return reason (4x)	<ReasonCode>/[1]
/CREF/	Client Reference (35x)	<ClientReference>/[2]
/EREF/	End to End Reference (35x)	<End to End Reference>/
/PREF/	Payment Information ID (35x)	<Batch ID>/
/IREF/	Instruction ID (35x)	<InstructionId>/[2]
/MARF/	Mandate Reference (35x)	<Mandate reference>/
/CSID/	Creditor ID (35x)	<Creditor ID>/
/CNTP/	Counterparty ID	<AccountNumber (35x)>/<BIC (11x)>/<Name (50x)>/<City (35x)>/
/REMI/	Remittance Information (255x)	<Code>/<Issuer>/<Remittance info>/[3]
/PURP/	Purpose code (e.g., PENS) (4x)	<Purpose of Collection>/
/ULTC/	Ultimate Creditor	<Name (70x)>/<ID (35x)>/
/ULTD/	Ultimate Debtor	<Name (70x)>/<ID (35x)>/
/EXCH/	Exchange rate (12x)[4]	<Exchange Rate>/
/CHGS/	Charges (15x)	<Charges>/

Remarks
1. For details see appendix ISO Return Reason Codes. The type of R-message for SEPA Direct Debits (R-type) is reflected in the ING Transaction Codification in Tag 61 Field 9
2. These code words are not supported for SEPA NL transactions
3. Remittance, structured or unstructured:
   - Dutch structured remittance: /REMI/STRD/CUR/<payment reference>/
   - ISO structured remittance: /REMI/STRD/ISO/<ISO reference>/
   - Unstructured remittance: /REMI/USTD//<remittance info>/
4. Exchange rate in case of currency conversion of the order.

Tag 62F   Closing available balance (MT940 only)

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.

Tag	Sub-field	Description	Length - M/O	Remarks
:62F:	1	Credit/Debit	1!x - M	C (= Credit) or D (= Debit) **Possible Values:** C / D
	2	Date	6!n - M	YYMMDD of reported entry date
	3	Currency	3!x - M	ISO 4217 currency code
	4	Amount	15d -M	Closing book balance Format Amount see Tag 60F **Example** :62F:C230429EUR**2311,71**

Tag 64   **Closing available balance (MT940 only)**

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

Tag	Sub-field	Description	Length - M/O	Remarks
:64:	1	Credit/Debit	1!x - M	C (= Credit) or D (= Debit) **Possible Values:** C / D
	2	Date	6!n - M	YYMMDD of reported entry date
	3	Currency	3!x - M	ISO 4217 currency code
	4	Amount	15d -M	Closing available balance. Format Amount see Tag 60F **Example** :64:C120120EUR**2311,71**

Tag 65   **Forward available balance (MT940 only)**

This tag specifies for the closing forward available balance, whether it is a debit or credit balance, the date, the currency, and the amount of the balance. A maximum of two days will be reported.
This is an optional tag.
Please note: tag65 is not applicable IE & BG accounts.

Tag	Sub-field	Description	Length - M/O	Remarks
:65:	1	Credit/Debit	1!x - M	C (= Credit) or D (= Debit) **Possible Values:** C / D
	2	Date	6!n - M	YYMMDD of reported entry date
	3	Currency	3!x - M	ISO 4217 currency code
	4	Amount	15d -M	Forward available balance. Format Amount see Tag 60F **Example** :65:C120121EUR**2311,71**

Tag 90D **Number and Sum of Debit Entries (MT942 only)**

This tag indicates the total number and amount of debit entries.
It is only available if debit transactions are reported.
In case of multiple pages, tag 90D will be repeated.

Tag	Sub-field	Description	Length - M/O	Remarks
:90D:	1	Number of entries	5n - M	Total number of debit entries
	2	Currency	3!x - M	ISO 4217 currency code
	3	Amount	15d -M	Total amount of debit entries Format Amount see Tag 60F **Example** :90D:122EUR**2311,71**

Tag 90C **Number and Sum of Credit Entries (MT942 only)**

This tag indicates the total number and amount of debit entries.
Only available if credit transactions are reported.
Repeated in case of multiple pages.

Tag	Sub-field	Description	Length - M/O	Remarks
:90C:	1	Number of entries	5n - M	Total number of debit entries
	2	Currency	3!x - M	ISO 4217 currency code
	3	Amount	15d -M	Total amount of debit entries Format Amount see Tag 60F **Example** :90C:110EUR**16432,52**

Information to account owner

This tag contains additional information on the statement. For the MT942 this tag is reported.[7] It consists of one line or two lines, depending on the length of the fields.

Tag	Sub-field	Description	Length - M/O	Remarks
:86:	1	Information to account owner	6*65x - M	Structured with code words. For details and conditions see details below **Example**: :86:/NAME/Janssen//BIC/INGBNL2A//SUM/1/1/150,00/100,00/

Structure of code words in Tag 86 Information to Account owner
The general remarks for the structure of code words in Tag 86 are also applicable.
The following code words are relevant in case of a structured MT940 and MT942 for Tag 86 Information to account owner.

Note: No debit or credit sign is mentioned in this Tag 86.

Code word	Description	Elements
/NAME/	Account holder name	<Account holder name>/
/BIC/	BIC Address account holding bank	<BIC Address>/
/SUM/[8]	Hash total	<Total nr of debit posts>/< Total nr of credit posts>/<Total amount of debit post>/<Total amount of credit post>/

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[7] Reporting of Tag 86 in the MT942 depends on the country and channel.
[8] In case Tag 86 is provided in the MT942, the code word SUM is not present. In the MT942 the Tag 90D and the Tag 90C provide information on the sum of the transactions.

4. SWIFT Format Reference

In the definition of format of each message, tags are used as described in the SWIFT User Handbook.

All tags will end with **CS2 (cr,lf)** : 2!x hex0D0A

Tag content may be composed of one or several subfields. Length and content are defined for each tag. To specify the length of different tags the following is used:

Restrictions on Length	
nn	Maximum length
nn!	Fixed length
n*nn	Maximum number of lines times maximum line length

Types of Characters Allowed	
d	Numeric digits [0..9] with decimal separator
n	Numeric digits [0..9] only
x	Any character of the SWIFT character set

For example:

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

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
- / - ? ( ) . , + ' : CR (Carriage Return) LF (Line Feed) and a Space

More information

For more information about the ING Format Description Structured MT940 & MT942 please contact your ING account manager