

Format description SWIFT MT942

Rabo Cash Management



Rabobank



Colofon

Title	Format description SWIFT MT942
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1 General information

The MT942 Interim Transaction Report (MT942) reports debits or credits to the account since the last account statement was made available. Only intraday transactions are reported.

The MT942 as provided by Rabo Cash Management (RCM) is not completely according to SWIFT format as, for example, the maximum length is more than 2.000 characters. Other deviations from the SWIFT MT942 standard are noted where relevant.

This format description applies only to MT942 files exported from RCM.

RCM provides two types of SWIFT MT942 formats:

- SWIFT MT942 Unstructured
- SWIFT MT942 Structured

Both types are described in the following chapters.

The SWIFT MT942 Structured is an expanded version of the Unstructured, the differences as compared to the Unstructured are listed in chapter 4.

1.1 File structure

- Each SWIFT-MT942 starts with a header field 942, followed by fields 20, 25, 28(C), 34F (twice), 13D, (multiple) 61, 0 to 6 fields 86 and 90 (twice).
- If a MT942 file for more than one account and/or report is exported, the information will be shown in the same order as on the RCM screen.
- The layout of the default file name of SWIFT MT942 Unstructured is: <account number><currency><"MT942file"><date in CCYYMMDD format><".txt">.
- The layout of the default file name of SWIFT MT942 Structured is the same, except for the third part, Structured contains "MST942file" instead of "MT942file".
- If a MT942 file for more than one account and/or report is exported, then <account number><currency> in the file name is replaced by the <user number> used to export the statements.

2 The SWIFT MT942 Unstructured export format

Fields are preceded by tags. The table below gives an overview of the tags and their contents. Detailed information per tag is available in chapter 3.

Field tag	Subfield	Mandatory / optional	Field name	Format, Content, Options []=optional !=fixed length a=text x=alphanumeric d=numeric with decimal separator
:942:		M		5x; Not SWIFT compliant.
:20:		M	Transaction reference number	16x
:21:		O	Related reference number	16x; Never provided by RCM.
:25:		M	Account identification	35x
:28C:		M	Statement number / Sequence number	Fixed value of '1/1'.
:34F:		M	Floor limit indicator	3!a[1!a]15d Is provided twice with fixed values "<currency>C0,00" and "<currency>D0,00", for example "EURD0,00".
:13D:		M	Date/ Time indication	6!n4!n1x4!n
:61:		O [0-n]	Statement line	6!n[4!n]2a[1!a]15d1!a3!c
	1	M	Value date	6!n
	2	O	Entrv date	[4!n]
	3	M	Debit/Credit mark	2a
	4	O	Fundscod	[1!a]
	5	M	Amount	15d
	6	M	Transaction type identification code	1!a3!c
	7	M	Reference for the account owner	16x
	8	O	Account servicing institution's reference	[//16x]
	9	O	Supplementary details	[34x]
:86:		O [0-n]	Information to account owner	6*65x
:90D:		O	Number and sum of entries	5n3!a15d
:90C:		O	Number and sum of entries	5n3!a15d
:86:		O	Information to account owner	Never provided by RCM.

2.1 Clarification

- Every line is ended with a line break (ASCII-hex0D0A).
- Every file starts with fixed value “:942:” on the first line.
- Each report in the file starts with field-20.
- Clusters of field-61 and field-86 may occur more than once.

3 Content description

3.1 File header

Description	Type	Length	Content	Remarks
File header	Alphanumeric	5	:942:	Fixed value, is present only once in the file.

3.2 Field:20: Transaction Reference Number

For Rabo accounts:

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	4	:20:	Fixed value.
Format	Alphanumeric	4	942A	Fixed value, indicating reports have been exported in SWIFT MT942 Unstructured format.
Book date	Numeric	6		Format: YYMMDD.
Timestamp	Numeric	6		Format: HHMMSS.

For non-Rabo account, the field-20 reference from the original MT942.

3.3 Field :25: Account Identification

Description	Type	Length	Content	Remarks
Record code	Record code	4	:25:	
Account number	Alphanumeric	35		Format for Rabo accounts: 9999.99.999AAA or else 35x. Non-Rabo accounts are displayed as received in the original MT942.

3.4 Field :28C: Statement Number/Sequence Number

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	5	:28C:	
Statement number	Numeric	5	1/1	Fixed value '1/1'.

3.5 Field :34F: Floor Limit Indicator

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	5	:34F:	
Currency	Alphanumeric	3		
Debit/credit indication	Alphanumeric	1		'C' or 'D' to reflect credit or debit respectively.
Amount	Numeric	8		Fixed value '0,00'.

Field is present twice.

3.6 Field :13D: Date/Time Indication

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	5	:13D:	
Date	Numeric	6		Format: YYMMDD.
Time	Numeric	4		Format: HHMM.
Sign and offset		5	+0000	Fixed value '+0000'.

3.7 Field :61: Statement Line

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	4	:61:	
Value date	Numeric	6		Format: YYMMDD.
Debit / Credit Mark	Alphanumeric	1-2		Value: "D", "C", "RD" of "RC". R= Reversed.
Amount	Numeric	15d		
Transaction type identification code	Alphanumeric	4	NMSC	For Rabo accounts, fixed value 'NMSC'. For non-Rabo accounts, the value from the original SWIFT MT942.
Reference for the Account Owner	Alphanumeric	16		Counterparty account number. If counterparty is not known, value 'NONREF' is provided.

3.8 Field :86: Information to Account Owner

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	4	:86:	
Description	Alphanumeric	6*65		Remittance information of the reported transaction.

3.9 Field :90D: Number and Sum of Entries

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	5	:90D:	
Currency	Alphanumeric	3		
Amount	Numeric	15d		Total sum of debits in the report.

Deviating from the SWIFT standard, the Number of Entries is not provided between Record code and Currency.

3.10 Field :90C: Number and Sum of Entries

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	5	:90C:	
Currency	Alphanumeric	3		
Amount	Numeric	15d		Total sum of credits in the report.

Deviating from the SWIFT standard, the Number of Entries is not provided between Record code and Currency.

4 The SWIFT MT942 Structured export format

The SWIFT MT942 Structured export format is largely similar to the SWIFT MT942 Unstructured format. The main difference is that field-86, the description field contains codes to indicate information elements. Through these codes, more information can be presented in the MT942, for example, a return code is indicated by code /RTRN/. Appendix 1 provides an overview of the codes you may expect for various payment scenarios.

The following sections describe the differences as compared to the SWIFT MT942 Unstructured format.

4.1 Field :20: Transaction Reference Number

Description	Type	Length	Content	Remarks
Record code	Alphanumeric	4	:20:	Fixed value.
Format	Alphanumeric	4	942S	Fixed value to indicate the report was exported in SWIFT MT942 Structured format.
Book date	Numeric	6		Format: YYMMDD.
Time	Numeric	6		Format: HHMMSS.

4.2 Field :25: Account Identification

Description	Type	Length	Content	Remarks
Record code	Record code	4	:25:	
Account identification	Alphanumeric	35		If available, account in IBAN format in format <IBAN><space><CURRENCY> (for example "NL96RABO0123456789

4.3 Field :61: Statement Line

Description	Type	Length	Content	Remarks
Reference for the Account owner	Alphanumeric	16		Contains either MARF (mandate reference), EREF (End-to-End reference) and/or PREF (batch reference). The actual reference is available in field-86.
Transaction type identification code	Alphanumeric	4		For Rabo accounts, transaction type preceded by "N", for example "N127". The possible transaction types are available on www.rabotransact.com/transactsupport in section 'Demos & downloads'.

4.4 Field :86: Information to Account Owner

Description	Type	Length	Content	Remarks
Mandate reference	Alphanumeric	35	/MARF/	The mandate reference is preceded by /MARF/.

Description	Type	Length	Content	Remarks
End-to-End reference	Alphanumeric	35	/EREF/	The End-to-End Id is preceded by /EREF/.
Batch reference	Alphanumeric	35	/PREF/	The batch reference of a SEPA batch is preceded by /PREF/.
Return reason	Alphanumeric	4	/RTRN/	Return reason, please refer to appendix 1 for the most relevant codes and their description.
Account number counterparty	Alphanumeric	70	/ACCW/	Counterparty account numbers, plus, if available, BIC or bankcode. Is an option, see 4.5 Options.
Counterparty			/BENM/ or /ORDP/	Code preceding counterparty data.
Name	Alphanumeric	70	/NAME/	Counterparty name.
Id	Alphanumeric	35	/ID/	Counterparty Id, unless the Id is the Creditor Id. Creditor Id may be available after code /CSID/.
Address	Alphanumeric	70	/ADDR/	Counterparty address, is an option, see 4.5 Options.
Remittance information	Alphanumeric	140	/REMI/	Description Lines can be available structured and/or unstructured. If structured, /REMI/ is followed by the four codes below. If unstructured, the remittance information is provided directly behind /REMI/.
Structured			CDTRREFTP//CD/S COR/ISSR/CUR/CD TRREF/<betalings kenmerk.	16 digit payment reference as defined by Currence.
Creditor ID	Alphanumeric	70	/CSID/	
Settlement date	Alphanumeric	10	/ISDT/	Interbank settlement date.
Ultimate counterparty			/ULTD/ of /ULTB/	
Name	Alphanumeric	70	/NAME/	Name of the ultimate counterparty.
Id	Alphanumeric	35	/ID/	ID of the ultimate counterparty.
Purpose			/PURP/	Purpose of the transaction.
Purpose code	Alphanumeric	4	/CD/	Four digit purpose code.

4.5 Options

The following option are available:

- Amount with leading zeros, amounts in fields 34F, 61, 90C and 90D are padded with zeros to a fixed length of 15 positions.
- Dot (.) as decimal separator, the comma in amounts in fields 34F, 61, 90C and 90D is replaced by a dot.

- Include counterparty account, account number of counterparty is added including, if available, the BIC or bankcode behind code /ACCW/.
- Include address information, if available, address details of the counterparty are added if this option is ticked behind code /ADDR/.
- Include payment reference, if available, the payment reference is added, preceded by fixed text:
 - BETALINGSKENM.: <payment reference>
 - BETALINGSKENM. <payment reference>
 - Betalingskenmerk: <payment reference>
 - BETKENM.: <payment reference>
 - <payment reference> (with this option, no text precedes the payment reference)

Appendix 1: SWIFT MT942 Structured, SEPA structure within field-86

Considerations:

- * Codes and descriptions are only reported if the information is present in the transaction.
- * The codes appear in the order listed in field-86. In case of insufficient space, the information at the end will be truncated.
- * In case of SRI this is as follows: /REMI//CDTRREFTP//CD/SCOR/ISSR/CUR/CDTRREF/<Creditor Reference>
- * SDD initiation: Only value batch booking 'true' is permitted at Rabobank. Rabobank follows the gross booking methodology.
- * SCT initiation: single OR batch transactions. If batch booking 'true' Rabobank follows gross booking method, batch booking 'false' ensures individual transaction processing.
- * In case of batch booking 'true' specific references associated with individual transactions are not reported.

The table below lists the possible scenarios.

Scenario		
1a	Reporting of a SEPA debit, account was debited because:	You have made a SEPA payment from your account.
1b		You have made a SEPA batch payment from your account (batch booking 'true').
2		A counterparty has debited your account via a SEPA direct debit.
3		A previous SEPA credit has been returned.
4		A previous SEPA direct debit has been returned.
5	Reporting of a SEPA credit, account was credited because:	A counterparty has made a SEPA payment to your account.
6		You have debited a counterparty's account via a SEPA direct debit.
7		A previous outgoing SEPA credit transfer has been returned to your account.
8		You have been debited via a SEPA direct debit previously, this direct debit is returned.
9a	Reporting of a non-SEPA debit	You have made a non-SEPA payment from your account.
9b		A counterparty has debited your account via a non-SEPA direct debit.
10a	Reporting of a non-SEPA credit	A counterparty has made a non-SEPA payment to your account.
10b		You have debited a counterparty's account via a non-SEPA direct debit.

The table below indicates per scenario which codes may be present in field-86 for SEPA and non-SEPA credit transfers and for returned/rejected/recalled SEPA credit transfers.

Description	Content	1a	1b	3	5	7	9a	10a
		SCT debit	SCT debit	Return SCT debit	SCT credit	Return SCT credit	CT (non-SEPA) debit	CT (non-SEPA) credit
Field code	:86:	Single ✓	Batch ✓	Single ✓	Single ✓	Single ✓	Single ✓	Single ✓
End-to-end reference	/EREF/	✓	✗	✓	✓	✓	✗	✗
Batch reference	/PREF/	✗	✓	✗	✗	✗	✗	✗
Return code	/RTRN/	✗	✗	✓	✗	✓	✗	✗
Account number of the counterparty, BIC or local bank code	/ACCW/ Is offered as an option in RCM.	✓	✗	✓	✓	✓	✓	✓
Name of the counterparty	/BENM//NAME/ /ORDP//NAME/	BENM	✗	ORDP	ORDP	BENM	BENM	ORDP
ID of the counterparty	/ID/ ¹	✓	✗	✓	✓	✓	✗	✗
Address of the counterparty	/ADDR/ ²	✗	✗	✓	✓	✗	✓	✓
Remittance Information	/REMI/	✓	✗	✓	✓	✓	✓	✓
Structured Remittance Information	/REMI//CDTRREFTP//CD/SCOR/ISS R/CUR/CDTRREF/	✓	✗	✓	✓	✓	✗	✗
Settlement date	/ISDT/	✓	✗	✓	✓	✓	✗	✗
Name of the ultimate counterparty	/ULTD//NAME/ /ULTB//NAME/	✓	✓	✓	✓	✓	✗	✗
Identification of the ultimate counterparty	/ID/	✓	✓	✓	✓	✓	✗	✗
Purpose	/PURP/	✓	✗	✗	✓	✗	✗	✗
Purpose code	/CD/	✓	✗	✗	✓	✗	✗	✗

¹ If the name is not available and ID is, then ID is preceded by BENM or ORDP i.e. /BENM//ID/ of /ORDP//ID/

Example if name is available: /BENM//NAME/Janssen/ID/123456

Example if name is not available: BENM//ID/123456

² ADDR will always succeed NAME and/or ID. i.e.: BENM//NAME/Janssen/ID/123456/ADDR/Bosweg 1/
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Example: in scenario 1 you have paid beneficiary "XYZ Corporation" via a Euro Payment. You have entered End to End ID "1234567890ABCD" and you've chosen remittance information type "Unstructured" with remittance information "Purchase of goods". This will be reported as follows in field-86:

```
:86:/EREF/1234567890ABCD/BENM//NAME/XYZ Corporation/REMI/PURCHASE OF  
GOODS/ISDT/2012-12-30
```

Should this payment be returned by the bank of the beneficiary (scenario 7), for example because the bank of the beneficiary has closed the account of the beneficiary, this will be reported as follows:

```
:86:/EREF/1234567890ABCD/BENM//NAME/XYZ Corporation/REMI/PU  
RCHASE OF GOODS/ISDT/2012-12-30/RTRN/AC04
```

The return code has been added to the original description lines. An explanation of the return codes is available in appendix 2.

The table below indicates per scenario which codes may be present in field-86 for SEPA and non-SEPA direct debits, and for returned/rejected/recalled SEPA direct debits.

Description	Content	2	4	6	8	9b	10b
		SDD debit	Return SDD debit	SDD credit	Return SDD credit	DD (non-SEPA) debit	DD (non-SEPA) credit
		Single	Single	Batch	Single		
Field code	:86:	✓	✓	✓	✓	✓	✓
Mandate reference	/MARF/	✓	✓	✗	✓	✗	✗
End-to-end reference	/EREF/	✓	✓	✗	✓	✗	✗
Batch reference	/PREF/ (=Batch ID)	✗	✗	✓	✗	✗	✗
Return code	/RTRN/	✗	✓	✗	✓	✗	✗
Account number of the counterparty, BIC or local bank code	/ACCW/ Is offered as an option in RCM.	✓	✓	✗	✓	✓	✓
Name of the counterparty	/BENM//NAME/ /ORDP//NAME/	ORDP	BENM ³	✗	ORDP	ORDP	BENM
ID of the counterparty	/ID/ ⁴	✗	✓	✗	✗	✗	✗
Remittance Information	/REMI/	✓	✓	✗	✓	✓	✓
Creditor ID	/CSID/	✓	✗	✗	✓	✗	✗
Name of the ultimate counterparty	/ULTD//NAME/ /ULTB//NAME/	✓	✓	✓	✓	✗	✗
Identification of the ultimate counterparty	/ID/	✓	✓	✓	✓	✗	✗
Purpose	/PURP/	✓	✗	✗	✗	✗	✗
Purpose code	/CD/	✓	✗	✗	✗	✗	✗

³ BENM is the debtor.

⁴ If the name is not available and ID is, then ID is preceded by BENM or ORDP i.e. /BENM//ID/ of /ORDP//ID/

Example if name is available: /BENM//NAME/Janssen/ID/123456

Example if name is not available: BENM//ID/123456

Appendix 2: SEPA Return Codes

If a SEPA payment or direct debit is returned, a return code is provided. The table below lists the most commonly used return codes with their description.

Return code	Description
AC01	Account number incorrect
AC04	Account number closed
AC06	Euro Direct Debit blocked
AC13	Debtor account is a consumer account
AG01	Administrative reason
AG02	Invalid file format
AGNT	Incorrect BIC bank beneficiary
AM04	Administrative reason
AM05	Duplicate order
BE04	Address beneficiary missing
BE05	Remitter unknown
CURR	Incorrect currency
CUST	Debtor cancellation
CUTA	Rejected
DUPL	Duplicate order
FF01	Invalid file format
FF05	Direct debit type is not correct
FOCR	Cancellation request
MD01	No mandate
MD02	Incorrect mandate
MD06	Return of funds requested by end customer
MD07	Administrative reason
MS02	Refused by debtor
MS03	Refused by bank
PC01	Technical reason
PC02	Technical reason
PC03	Technical reason
RC01	BIC incorrect
RR01	Administrative reason
RR02	No name and address debtor
RR03	No name and address creditor
RR04	Administrative reason
R001	Order not allowed
R002	Order too late or too early
R003	Account not found
R004	Not allowed on G-account
SL01	Administrative reason
TECH	Technical reason
TM01	Received after cut-off time
UPAY	Order not allowed

Appendix 3: Change Log

Title : Format description SWIFT MT942
Version : Version 2.2
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Date	Version	Change description	Change reason
			None, initial version.