



Account Statement Service MT 940

File Description

Version 1.1

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Version log

Version no	Date	Description of change
1.0	2006-01-18	Original version
1.1	2006-02-27	Block 3 added

1 Account Statement Service MT 940

Via Corporate Netbank, Nordea's web electronic banking portal for corporate customers, it is possible for the customer to download files with account statements from Nordea and other banks in a format based on SWIFT standards. The files can be retrieved directly into the customer's own system, which give the possibility to replace time-consuming manual booking and reconciliation by automated processes.

An account statement is produced by a Nordea bank or sent via SWIFT from the account holding bank to a Nordea bank. The bank that transmits account statements is responsible for their content. Nordea relays information from the foreign bank to the customer in the received form. Account statements normally contain each transaction of the given account day with opening and closing balances.

The arrival time of account information to Nordea depends on the time zone and the transmitting bank's service hours. In most cases, account statements are available by 9 a.m. CET on the next banking day. Account information that has arrived at Nordea can be retrieved from Corporate Netbank's File Transfer service 7-22 CET, five days per week. Account statements remain available to the customer in Nordea Bank's data systems for two months after its arrival.

Account Statements are coded in the SWIFT message format MT 940. Since the length of a SWIFT message is restricted to the maximum input message length, several messages may be required to accommodate all the information for one account statement. A file may include several messages, depending on the user's choice in the bank's download interface. No extra information besides the SWIFT messages is provided in the file.

Messages in a file

Message	Example of Content
Message no. 1	Account statement no. 1, part 1 from Bank X
Message no. 2	Account statement no. 1, part 2 from Bank X
Message no. 3	Account statement no. 2 from Bank X
Message no. 4	Account statement no. 1 from Bank Y
Message no. 2	Account statement no. 1, part 1 from Bank Z
Message no. 2	Account statement no. 1, part 2 from Bank Z

The message format presented in this description fully complies with the international definitions for content and use of an SWIFT MT 940 Customer Statement Message. Attached to the general definitions you will find Technical Specifications containing detailed information about the field content in statements from Nordea Denmark, Finland, Norway and Sweden. In other cases, please contact the account servicing bank to obtain information about the content of a message.

The following terminology is used through out this text to identify the banks involved in the process of delivering account statements to the customer:

- Sender** The account servicing bank producing/sending the message
- Receiver** The Nordea bank presenting the message to the customer.

2 The structure of a message

Each message is divided into three blocks. Each block contains data of a particular type and is used for a particular purpose. Each block begins and ends with a curly bracket, or brace, character '{' and '}' respectively. All blocks are numbered, and the block number followed by a colon ':' is always the first character within any block.

Blocks 1, 2 and 3 relate to header information, and Block 4 contains the text of the message. Each block is subdivided into a number of fields and each field contains particular information, for example, date, time, LT address, Session Number, ISN, or a tag number followed by the appropriate variable content.

All fields within blocks 1 and 2 are of fixed length and are continuous. Block 3 is optional and may be used for user-to-user messages. No field separators are used. The content of Block 4 differs depending on bank in terms of which optional fields are used.

Block structure

Block Name	Example of Content
1. BASIC HEADER BLOCK	{1:F01NDEASESSAXXX0833510237}
2. APPLICATION HEADER BLOCK	{2:09400325050701NDEANOKKBXXX12706189060507010325N}
3. USER HEADER BLOCK	{3:108:34}
4. TEXT BLOCK	{4:<CrLf> :20:VR06314330391601<CrLf> :25:60030631433<CrLf> :28C:123/1<CrLf> :60F:D050629NOK25,65<CrLf> :62F:D050630NOK25,65<CrLf> :64:D050630NOK25,65<CrLf> -}

Note: <CrLf> is only used within Block 4, not between blocks. For the purposes of clarity in this publication, the block structure is shown in the table above with each block beginning a new line.

2.1 Block 1 – Basic Header Block

The Basic Header given in Block 1 provides the fundamental reference for any particular message:

{1:F01NDEASESSAXXX0833510237}

Components

Name	Description	Type	Content
Block Identifier	The identifier for a Basic Header Block	2x	Always '1.'
Application Identifier	The application within which the message is being sent/received	1x	Always 'F'
Service Identifier	The type of data that is being sent/received	2n	Always '01'
LT Identifier	The FIN address of the receiver of the message: 1-8=SWIFT address, 9=LT Code, 10-12=Branch Code (default 'XXX')	12x	E.g. 'NDEASESSAXXX'
Session Number	Identifies the session in which the message was transmitted	4x	E.g. '0833'
Sequence Number	The OSN of the receiver's current output session	6x	E.g. '510237'

2.2 Block 2 – Application Header Block

The Application Header provides information about the message itself. It defines the type of message, who sent it and when, and when it was delivered: {2:09400325050701NDEANOKKBXXX12706189060507010325N}

Components

Name	Description	Type	Content
Block Identifier	The identifier for an Application Header Block	2x	Always '2.'
Input/Output Identifier	'I' for input message, 'O' for output message	1x	Always 'O'
Message Type	Defines the MT number of the output message	3n	Always '940'
Input Time	Expressed in the sender's local time (HHMM)	4n	E.g. '0325'
MIR	Every message is assigned a unique MIR, which consists of the input date, local to the sender, and the sender's full SWIFT address, Session Number and ISN	28x	E.g. '050701NDEANOKKBXXX1270618906'
Output Date	The date (YYMMDD), local to the receiver, on which the message is delivered to the receiver	6n	E.g. '050701'
Output Time	The time (HHMM), local to the receiver, at which the message is actually delivered to the receiver	4n	E.g. '0325'
Message Priority	The priority with which a message is delivered	1x	Always 'N'

2.3 Block 3 – User Header Block

The User Header is an optional header available within FIN for user-to-user messages only. It appears in Block 3 of a FIN message, and allows users to provide their own reference within the headers for a particular message.

Components

Name	Description	Type	Content
Block Identifier	The identifier for an Application Header Block	2x	Always '3:'
Banking Priority	Tag 113 defines an optional 4-character banking priority. The contents of tag 113 are agreed between two or more users.		
Message User Reference	Tag 108 defines a free-format field in which users may specify their own reference of up to 16 characters of the permitted character set.		

2.4 Block 4 – Text Block

The Text Block contains the text of the message. Each field within the text begins with a tag number between colons, followed by the appropriate variable content. `<CrLf>` is a mandatory field delimiter within the text. Which optional fields are included, depends on the bank.

Block 4 begins with Carriage Return and Line Feed `<CrLf>` and ends with `<CrLf>` followed by a hyphen '-'. Each field within the text begins with a tag number between colons, followed by the appropriate variable content. A field consists of at least one meaningful character. Whenever field content contains mandatory and optional subfields, at least all of the mandatory subfields appear when that field is used.

The general definition of a field format is using the following symbols:

- x any character of the permitted character set
- n numeric digits (0 through 9) only
- a alphabetic letters (A through Z), upper case only
- c alphabetic letters (upper case) and digits only
- d decimals
- ! fixed length, for ex. 3!a = always 3 letters
- 4*35x up to 4 lines of up to 35 characters each
- [...] subfield is optional
- > start repetitive sequence
- | end repetitive sequence

The permitted character set is as follows:

```

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 Lf Space

```

Although part of the character set, the curly brackets are used as delimiters and will not be used within the text of message. In some cases, the field specifications indicate that a slash '/' is included in the text of the field.

3 Account Statement

Account Statements are coded in the SWIFT message format MT 940.

Example of Block 4 including an Account Statement

Field Name	Content of Block 4
	{ 4 : <CrLf>
Transaction Reference Number	: 20 : 395931447812662B <CrLf>
Related Reference	: 21 : AXEL PERSSONS LI <CrLf>
Account Identification	: 25 : 31441812552USD <CrLf>
Statement Number/ Sequence Number	: 28C : 76 / 1 <CrLf>
Opening Balance	: 60F : C050831USD4613989 , 59 <CrLf>
Statement Line	: 61 : 0509010901C12726 , 92NINTINTERN TILLGODOR // 090103780980005 <CrLf>
Statement Line	: 61 : 0509020901C6150000 , 00NTRFUTLANDSINSATTNIN // 090103954532596 <CrLf>
Closing Balance	: 62F : C050901USD10776716 , 51 <CrLf>
Closing Available Balance	: 64 : C050901USD5004626716,51 <CrLf>
	}

3.1 Format specification for the Account Statement

	Tag	Field Name	Type/Option	Content
M	20	Transaction Reference Number	16x	Reference assigned by the Sender to unambiguously identify the message
O	21	Related Reference	16x	
M	25	Account Identification	35x	Account for which the statement is sent :
M	28C	Statement Number/ Sequence Number	5n[/5n]	<i>See attached spreadsheet for details</i>
M	60a	Opening Balance	1!a6!n3!a15d <i>See Balances</i>	60F=First opening balance 60M=Intermediate opening balance <i>See attached spreadsheet for details</i>
-----> <i>Transaction Details</i>				
O	61	Statement Line	6!n[4!n]2a[1!a]15d1!a3!c16x[/16x][34x]	Details of each transaction
		<i>Subfields:</i>		
		1. Value Date	6!n	(YYMMDD)
		2. Entry Date	[4!n]	Booking date (MMDD)
		3. Debit/Credit Mark	2a	'D'=Debit, 'C'=Credit, 'RC'=Reversal of credit (debit entry), 'RD'=Reversal of debit (credit entry)
		4. Funds Code	[1!a]	3rd character of currency code.
		5. Amount	15d	The integer part must contain at least one digit. The decimal comma ',' is mandatory and is included in the maximum length
		6. Transaction Type Identification Code	1!a3!c	
		7. Reference for the Account Owner	16x	
		8. Account Servicing Institution's Reference	[/16x]	May be omitted for a transaction initiated by the account servicing institution
		9. Supplementary Details	[34x]	<i>See attached spreadsheet for details</i>
O	86	Information to Account Owner	6*65x	<i>See attached spreadsheet for details</i>

M	62a	Closing Balance (Booked Funds)	1!a6!n3!a15d <i>See Balances</i>	62F=Final closing balance 62M=Intermediate closing balance <i>See attached spreadsheet for details</i>
O	64	Closing Available Balance (Available Funds)	1!a6!n3!a15d <i>See Balances</i>	Funds available to the account owner (if credit balance) or the balance subject to interest charges (if debit balance) <i>See attached spreadsheet for details</i>
-----> <i>Forward Balances</i>				
O	65	Forward Available Balance	1!a6!n3!a15d <i>See Balances</i>	Funds available to the account owner for the specified forward value date. <i>See attached spreadsheet for details</i>

M=Mandatory, O=Optional

Attached to the general definitions you will find Technical Specifications containing detailed information about the field content in statements from Nordea Denmark, Finland, Norway and Sweden.

3.2 Field definitions

Balances – formatting rules for field 60F, 62a, 64 and 65

Information about balances is formatted: 1!a6!n3!a15d. The included subfields are formatted as follows:

Type	Subfield Name	Content
1!a	Debit/Credit Mark	'D'=debit balance, 'C'=credit balance
6!n	Date	YYMMDD
3!a	Currency	A valid ISO 4217 currency code
15d	Amount	The integer part must contain at least one digit. The decimal comma ',' is mandatory and is included in the maximum length

Field 28C – Statement Number/Sequence Number

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. The statement number should be reset to 1 on 1 January of each year. If used, the sequence number always starts with 1. When several messages are sent to convey information about a single statement, the first message must contain '/1' in Sequence Number. The sequence number must be incremented by one for each additional message. The statement number and sequence number enable the Receiver to put the messages into sequence and thus form the complete statement.

Example

The first message of a statement is: 28C:235/1

The second message is: 28C:235/2 and so on.

Field 60a – Opening Balance (Booked Funds)

The first or intermediate opening balance. This field must always be the same as field 62a (closing balance) of the previous customer statement message for this account. The first customer statement message for a specified period must contain field 60F (first opening balance); additional statement messages for the same statement period must contain field 60M (intermediate opening balance).

Field 61, Subfield 6 – Transaction Type Identification Code

The field may be completed in one of three ways:

- For entries related to SWIFT transfer instructions and subsequent charge messages:
Format: S3!n (3!n=a number in the range 100-999)
The last three characters will indicate the message type of the SWIFT message causing the entry (for debit entries) or the type of the message used to advise the account owner (for credit entries).
- For entries related to payment and transfer instructions, including related charges messages, not sent through SWIFT or where an alpha description is preferred.
Format: N3!c (3!c=one of the SWIFT or Nordea specific codes below)
- For entries being first advised by the statement (items originated by the account servicing institution):
Format: F3!c (3!c=one of the SWIFT codes below)

Transaction types according to SWIFT user handbook for format N3!c and F3!c

Code	Explanation	Code	Explanation
BOE	Bill of exchange	DIV	Dividends-Warrants
BRF	Brokerage fee	EQA	Equivalent amount
CHG	Charges and other expenses	ECK	Eurocheques
CHK	Cheques	FEX	Foreign exchange
CLR	Cash letters/Cheques remittance	INT	Interest
CMI	Cash management item - No detail	LBX	Lock box
CMN	Cash management item - Notional pooling	LDP	Loan deposit
CMS	Cash management item - Sweeping	MSC	Miscellaneous
CMT	Cash management item -Topping	RTI	Returned item
CMZ	Cash management item - Zero balancing	SEC	Securities (principal amount)
COL	Collections (principal amount)	STO	Standing order
COM	Commission	TCK	Travellers cheques
DCR	Documentary credit (principal amount)	TRF	Transfer
DDT	Direct Debit Item	VDA	Value date adjustment

Nordea specific transaction types for format N3!c

Code	Explanation
CMZ	Zero Balancing
CMS	Sweeping
CMT	Topping

- See Nordea's Sweeping Services for usage rules

Please refer to the attached Technical Specifications for information about usage in Nordea, Denmark, Finland, Norway and Sweden.

Field 61, Subfield 7 – Reference for the Account Owner

The field may be completed in one of three ways:

- For debit entries, the purpose of this subfield is to identify, to the account owner, the instruction that caused the debit.
- Credit entries may be the result of one of the following situations:
 1. The account servicing institution is identifying, to the account owner the receipt of funds for its account as a result of a related transaction.
 2. The account servicing institution has issued a payment instruction to the account owner and the credit identified in this subfield is for that payment.

If no reference is available, the code NONREF is used.

Field 61, Subfield 9 – Supplementary Details

If subfield 7='NONREF', the account servicing institution should provide the best available alternative information in this subfield. May also be used when an advice has not been sent for a transaction, or to provide additional information to facilitate reconciliation.

Field 86 – Information to Account Owner

Additional information on the transaction to be passed on to the account owner. Information are separated by S.W.I.F.T. codes:

Format: /Code/Information (Code=one of the codes below)

SWIFT codes

Code	Explanation
CHGS	Currency code and "OUR" charges
OCMT	Original currency and amount
EXCH	Exchange rate
ORDP	Ordering party
BENM	Beneficiary party
TRMT	Amount to Beneficiary
RATE	Exchange rate
REMI	Remittance information

Field 62a – Closing Balance (Booked Funds)

Intermediate or final closing balance. The content of this field will be repeated in field 60a of the subsequent customer statement message for this account. If there is only one customer statement message transmitted for the period, this field must use tag option F, i.e., 62F (final closing balance). When several messages are transmitted for the same statement period, all messages except the last message must contain field 62M (intermediate closing balance); the last message of the statement must contain field 62F.

Field 64 – Closing Available Balance (Available Balance)

Funds which are available to the account owner (if credit balance) or the balance which is subject to interest charges (if debit balance).

Field 65 – Forward Available Balance

Funds that are available to the account owner (if a credit or debit balance) for the specified forward value date. When there is more than one value date for the items booked to the account (in this or previous statement periods), this field will indicate the balance which will be available to the account owner on the date(s) indicated.

Nordea's Sweeping Services

- Field 61, subfield 6 contains one of the codes NCMZ, NCMS, NCMT.
- Field 61, subfield 7 contains the customer individual reference for the cash management transaction.
- Field 61, subfield 9 can contain the name of the payer or the beneficiary.
- Field 86, the first line consists of: (transaction code – CMZ, CMS or CMT) (account number of beneficiary or payer) (customer individual reference number, if wanted) (name of beneficiary or payer).

Example

```
:61:0509070908D494031,34NCMZTOP/SWEEPSVERIGE  
GBPAX DANMARK A/S  
:86:CMZ/20496116759120/TOP/SWEEPSVERIGE/GBPAX DANMARK A/S
```

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