CBS Synthetic Transfers Export

Contents

Introduction

WAY4™ allows information on synthetic transfers to be exported to RBS. Synthetic transfers are exported through pipe "RBS. Synthetic Transfers Export.dll".

Exported files are stored in the outgoing mail directory of the financial institution.

Chapter 1. Parameters for Pipe "RBS. Synthetic Transfers Export.dll"

Parameter	Values	Parameter Description
FILTER	Condition fragment	Fragment of condition WHERE, added to the SELECT operator.
EXCLUDED_TRANS	<c1>,<c2>,… (list)	List of codes for transaction types whose transfers will not be exported.
EMPTY_FILES	Y/N	Parameter determining whether empty files will be created for financial institutions where there were no transactions executed. Default value is "N".
OEM	Y/N	Parameter determining whether outgoing data will be converted to DOS encoding. Default value is "N" (without converting to DOS encoding).
PRINCIPALS_ONLY	Y/N	When this parameter is set to "Y", files are only exported for independent financial institutions. Default parameter value is "N".
SHOW_VACUOUS_TRANS	Y/N	When this parameter is set to "Y", transfers whose credit and debit account numbers are the same will be exported. Default parameter value is "N".
MERGE_SIMILAR_TRANSF	Y/N/PARTLY	Parameter defining the rules for merging transfers: • Y – merge transfers with the same credited and debited accounts, respectively • N – do not merge transfers (default value) • PARTLY – merge transfers with the same credited and debited accounts, respectively, excluding transfers with different matching transfer accounts (e.g. in case of currency conversion) • SIMPLE – merge transfers with the same numbers of credited and debited accounts, respectively.
LANGUAGE	Y/N	Code of language used to fill in the Transfer Descriptor field of the exported file's transaction message.
INSIDE_TIMEZONE	Y/N	When the value of this parameter is "Y", transfers are exported to and empty files created for only financial institutions located in the same time zone as the current financial institution. The default value of the parameter is "N".
VERSION	10/11/12/13	File format version. Default value is "13".

Parameter	Values	Parameter Description
SHOW_GROUP_ID_ALWAYS	Y/N	When this parameter is set to "Y", the Group Identifier field (conversion entries group identifier) is always filled in. When set to "N", this field is filled in only in the event that the value of the MERGE_SIMILAR_TRANSF parameter is "PARTLY". The default value of the parameter is "N".

Chapter 2. File Formats

Outgoing Synthetic Transfer File Format

Exporting synthetic transfers will create a set of files for each financial institution in each currency. Files are stored in the financial institution's outgoing mail directory.

File data is stored in ASCII format. The entry length is 273 bytes, including two bytes of delimiters (CRLF). Each row in the file contains a message. Types of messages in the file are the file header, the file trailer, and the transaction message. The first file message is the file header. The last file message is the file trailer.

Field formats:

- **n** – numerical field containing only integers, right-justified and padded to the indicated length to the left with zeros.

- **an** – character field that may contain any printable characters, left-justified and padded to the indicated length to the right with spaces.

- **JJJ** – date, where JJJ is the sequential number of the day in the year (001 … 366).

- **YYMM** – date, where YY are the last two numerals in the year (00 … 99), MM is the numerical value of the month in the year (01 … 12).

- **YYYYMMDD** – date, where YYYY is the year (0000 … 9999), MM is the sequential number of the month in the year (01 … 12), DD is the sequential number of the day in the month (01 … 31).

- **HHMISS** – time where HH are hours (00 … 23), MI are minutes (00 … 59), SS are seconds (00 … 59).

- **b** – binary field used only for delimiter symbols.

Money amounts are presented in minimal currency units (cents, pence…)

Usage indicators for data elements are as follows:

- **M** – field is mandatory;

- **O** – field is optional;

- **C** – data entry depends on values in other fields.

If the field is not filled, it should contain spaces.

File name structure:

No.	Field	Pos	Len	Usage	Format	Value
1.	File Name Prefix	1	1	M	an	"S"
2.	File Receiver (Short)	2	4	M	an	Receiver ID. Codes are defined in the _Branch Code_ field in the Financial Institutions table ("Full → Configuration Setup → Main Tables → Financial Institutions"). If the code length in the table is less than four characters, the value is padded to the right with zeros. If the length of a code in the table is 5 characters, the first 4 characters are used; if the code length is 6 characters, characters 2-5 are used.
3.	File Currency (Short)	6	2	M	an	First two characters of the three- letter alphabetic currency code of the exported transfer.
4.	File Number (Short)	8	1	M	n	Sequential file number for the current day.
5.	Delimiter	9	1	M	an	Delimiter character "."
6.	Transfers Date (Short)	10	3	M	JJJ	Sent transfers date.

File header structure:

No.	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"FH"
2.	Row Number	3	6	M	n	Row number in the file ("000001" for the header).
3.	File Label	9	10	M	an	"S.TRANSFER"
4.	Version	19	3	M	an	Version number.
5.	File Receiver	22	6	M	an	Receiver ID. Codes are defined in the _Branch Code_ field in the Financial Institutions table ("Full → Configuration Setup → Main Tables → Financial Institutions"). Values are left-justified and if necessary padded to the right with zeros.
6.	File Creation Date	28	8	M	YYYYMMDD	File creation date.

No.	Field	Pos	Len	Usage	Format	Value
7.	File Creation Time	36	6	M	HHMISS	File creation time.
8.	Reserved	42	3	M	n	"000"
9.	File Number	45	1	M	n	Sequential file number for the current day.
10.	Transfers Date	46	8	M	YYYYMMDD	Exported transfer date.
11.	File Currency	54	3	M	an	Numerical currency code of the exported transfer in ISO-4217.
12.	Local Currency	57	3	M	an	Numerical currency code of the exported transfer in ISO-4217.
13.	Filler	60	1	M	an	Space.
14.	Transfer Amount Exponent	61	1	M	n	Decimal part of the transfer amount in the transaction currency.
15.	Reserved	62	209	M	an	Filled with spaces. In future versions this field may contain additional information.
16.	Terminal Symbol	271	1	M	an	Character "*".
17.	Delimiter	272	2	M	b	0x0D, 0x0A (CRLF)

File trailer structure:

No.	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"FT"
2.	Row Number	3	6	M	n	File row number.
3.	Number of Transactions	9	6	M	n	Number of transactions in the file.
4.	Total Amount	15	18	M	n	Check amount for the Transfer Amount field of transaction messages.
5.	Reserved	33	238	M	an	Filled with spaces. Reserved for use in future versions.
6.	Terminal Symbol	271	1	M	an	Character "*".
7.	Delimiter	272	2	M	b	0x0D, 0x0A (CRLF)

Transaction message structure:

No.	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"RD"

No.	Field	Pos	Len	Usage	Format	Value
2.	Row Number	3	6	M	n	Row number in the file.
3.	Transfer Number	9	10	M	an	Unique transfer number/
4.	Transfer Code	19	8	M	an	Transfer code set in the GL_TRANS_CODE field of the GL_TRANSFER table.
5.	Debit Account	27	32	M	an	Debit account number.
6.	Credit Account	59	32	M	an	Credit account number.
7.	Transfer Amount	91	15	M	n	Transfer amount.
8.	Transfer Local Amount	106	15	M	n	Transfer amount in the financial institution's local currency.
9.	Transfer Descriptor	121	100	M	an	Transfer description.
10.	Amount Sign	221	1	M	an	Transfer amount sign: "C" – plus, "D" – minus.
11.	Group Identifier	222	9	C	n	ID of a group of transfers with different intermediate accounts. Used to search for a matching transfer. A matching transfer can have either the same or a different currency (conversion). In the latter case, it will be placed in another file.
12.	Transfer Type	231	1	M	an	Identifier of conversion transfers for which letter "X" is specified in this field. For transfers of other types, the field contains a space.
13.	Reference Number	232	32	C	an	Additional transfer ID.
14.	Reserved	264	7	M	an	Filled with spaces. Reserved for use in future versions.
15.	Terminal Symbol	271	1	M	an	Character "*".
16.	Delimiter	272	2	M	b	0x0D, 0x0A (CRLF)

Incoming Response File Format

Incoming response files must be stored in the incoming mail directory of the corresponding financial institution.

File data is stored in ASCII format. The entry length is 120 bytes, including two bytes of delimiters (CRLF). Each row in the file contains a message. Types of messages in the file are the file header, the file trailer, and the information message. The first file message is the file header. The last file message is the file trailer. If there are no errors, the file will not contain an information message.

Field formats:

- **n** – numerical field containing only integers, right-justified and padded to the indicated length to the left with zeros.

- **an** – character field that may contain any printable characters, left-justified and padded to the indicated length to the right with spaces.

- **JJJ** – date, where JJJ is the sequential number of the day in the year (001 … 366).

- **YYMM** – date, where YY are the last two numerals in the year (00 … 99), MM is the numerical value of the month in the year (01 … 12).

- **YYYYMMDD** – date, where YYYY is the year (0000 … 9999), MM is the sequential number of the month in the year (01 … 12), DD is the sequential number of the day in the month (01 … 31).

- **HHMISS** – time where HH are hours (00 … 23), MI are minutes (00 … 59), SS are seconds (00 … 59).

- **b** – binary field used only for delimiter symbols.

Usage indicators for data elements are as follows:

- **M** – field is mandatory;

- **O** – field is optional;

- **C** – data entry depends on values in other fields.

If the field is not filled, it should contain spaces.

File name structure:

No.	Field	Pos	Len	Usage	Format	Value
1.	File Name Prefix	1	1	M	an	"Q"
2.	Outward File Receiver (Short)	2	4	M	an	Outgoing file receiver code. Value is left-justified and padded to the right with zeros. Corresponds with the value of the File Receiver (Short) field of the outgoing file.

No.	Field	Pos	Len	Usage	Format	Value
3.	Outward File Currency (Short)	6	2	M	an	First two characters of the alphabetical transfer currency code sent in the outgoing file in ISO-4217. Corresponds with the File Currency field of the outgoing file.
4.	Outward File Number (Short)	8	1	M	n	Sequential number of the outgoing file for the current day.
5.	Delimiter	9	1	M	an	Delimiter character "."
6.	Outward Transfers Date (Short)	10	3	M	JJJ	Date of transfer sent in the outgoing file. Corresponds to the value of the Transfers Date (Short) field of the outgoing file.

File header structure:

No.	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"FH"
2.	Row Number	3	6	M	n	Row number in the file ("000001" for the header).
3.	Filler	9	1	M	an	Space character.
4.	File Label	10	10	M	an	"S.TRF-RESP"
5.	Filler	20	1	M	an	Space character.
6.	Version	21	3	M	an	"10"
7.	Filler	24	1	M	an	Space character.
8.	Outward File Receiver	25	6	M	an	Receiver code of the outgoing file. The value is left justified and is padded to the right with spaces. This is the same as the File Receiver field of the outgoing file.
9.	Filler	31	1	M	an	Space character.
10.	Outward File Creation Date	32	10	M	YYYY/MM/DD	Outgoing file creation date. This is the same as the File Date field of the outgoing file.
11.	Filler	42	1	M	an	Space character.
12.	Outward File Creation Time	43	8	M	HH:MI:SS	Outgoing file creation time. This is the same as the File Time field of the outgoing file.

No.	Field	Pos	Len	Usage	Format	Value
13.	Filler	51	1	M	an	Space character.
14.	Reserved	52	3	M	n	"000"
15.	Outward File Number	55	1	M	n	Sequential number of the outgoing file for the current day.
16.	Filler	56	1	M	an	Space character.
17.	Outward Transfers Date	57	10	M	YYYY/MM/DD	Date of transfer sent in the outgoing file. Corresponds with the value of the Transfers Date field of the outgoing file.
18.	Filler	67	1	M	an	Space character.
19.	Outward File Currency	68	3	M	an	Numerical currency code of the exported transfer in ISO-4217. Corresponds to the value of the File Currency field of the outgoing file.
20.	Filler	71	1	M	an	Space character.
21.	File Creation Date	72	10	M	YYYY/MM/DD	Response file creation date.
22.	Filler	82	1	M	an	Space character.
23.	File Creation Time	83	8	M	HH:MI:SS	Response file creation time.
24.	Reserved	91	27	M	an	Filled with spaces. Reserved for use in future versions.
25.	Terminal Symbol	118	1	M	an	Character "*".
26.	Delimiter	119	2	M	b	0x0D, 0x0A (CRLF)

File trailer structure:

No.	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"FT"
2.	Row Number	3	6	M	n	Row number in the file.
3.	Filler	9	1	M	an	Space character.
4.	Number of Messages	10	6	M	n	Number of information messages in the file.
5.	Filler	16	1	M	an	Space character.
6.	File Response Flag	17	23	M	an	File response flag: "FILE REJECTED" – file

No.	Field	Pos	Len	Usage	Format	Value
						rejected, "FILE ACCEPTED" – file accepted.
7.	Reserved	40	78	M	an	Filled with spaces.
8.	Terminal Symbol	118	1	M	an	Character "*".
9.	Delimiter	119	2	M	b	0x0D, 0x0A (CRLF)

Information message structure:

No.	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"RD"
2.	Row Number	3	6	M	n	Row number in the response file.
3.	Filler	9	1	M	an	Space character.
4.	Outward Row Number	10	6	M	n	Row number in the outgoing file.
5.	Filler	16	1	M	an	Space character.
6.	Outward Transaction Number	17	10	C	an	Transaction number in the outgoing file. This field is filled for transaction messages, if the transaction number was read when loading the outgoing file.
7.	Filler	27	1	M	an	Space character.
8.	Error Message	28	35	M	an	Error message (see the following table "Error message").
9.	Filler	63	1	M	an	Space character.
10.	Error Code	64	4	M	an	Error code.
11.	Reserved	68	50	M	an	Filled with spaces. Reserved for use in future versions.
12.	Terminal Symbol	118	1	M	an	Character "*".
13.	Delimiter	119	2	M	b	0x0D, 0x0A (CRLF)

Error messages:

Error Code	Error Message	Error
1101	Format Error	Format error.
1102	Total Error	Totaled values do not correspond to file contents.

Error Code	Error Message	Error
2201	Unknown Account	Unknown account.
2202	Unknown Currency	Unknown currency.
1000	Error	Other errors.