

CBS Payments Import

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Introduction

WAY4™ imports payment slips by issuing contract. These payment slips are created not by card transactions but by various payments card transactions such as cash replenishment through a teller.


Payment are imported by the "RBS. Payments Import.dll" pipe.

After slips are imported to the database, WAY4 creates the corresponding financial documents.

 When loading debit payment slips, in the event that the amount to be debited exceeds the amount available of the contract, it is possible to withdraw an amount less than the one required. For this, the *Authorization mode* field of the file header should be set to "S". If the pipe's PA_IN_TA parameter value is "N", the required amount is shown in the created document in the *Transaction Amount* field, and the actual withdrawal amount, in the *Settlement Amount* field. The same amounts will be shown in the batch header. These values are noted in the process log and in the response file. Furthermore, the amount in the *File Total* field in the response file will not be the same as the amount in the *Accept File Total* field, even if there are no bad transactions in the imported file.

In the response file relating to the batch, the *Correct Total Amount* field will show the actual amount, which differs from the *Batch Total Amount*, even if the batch contains no bad transactions. If the amount available is zero, when working in this mode a financial document will be created with a zero amount in the *Settlement Amount* field. To avoid discrepancies in amounts, set the PA_IN_TA parameter value to "Y". In this case, the requested amount will be saved in the *Add Data* field's REQUESTED_AMOUNT tag, and the amount that is actually debited in the *Transaction Amount* and *Settlement Amount* fields.

When working in *Authorization mode* = "S", it is recommended that users set pipe parameter DOC_PROCESSING to "ACCEPT" for prompt processing of documents created through the import process. If the indicated parameter is set to something else, the process log will show a warning.

 The following set of parameters is recommended for the "RBS. Payments Import.dll" pipe and the file being loaded:

The parameters of the pipe:

- POSTING_DATE = NULL or the parameter is not defined;
- DOC_PROCESSING = "NOTHING";
- DEFERRED_RESPONSE = "Y";
- COMMIT_INTERVAL = "1000".

File header parameters:

- Check Level = "R";

- Authorization mode = "N".

The remaining parameters may assume admissible values required in every particular case.

The above values assure the loading mode characterized by the following:

- If loading is interrupted the repeat loading mode is activated automatically.
- When DEFERRED RESPONSE = "Y", the value assures the loading mode with delayed (asynchronous) response. In this mode, if fatal errors occur, the file being loaded is rejected in full and an immediate (synchronous) response is generated. In a general case, a file may be rejected in full even when no fatal errors occur, like when not a single contract is found. Yet in this case, a delayed response is generated.
- A delayed (deferred) response is generated by the "RBS. Batch File Response" pipe, after every record contained in the file being loaded has been processed. If the generation of a delayed response is impossible, an entry to this effect is made in the Process Log.

Глава 1. Pipe Parameters

Parameters for Pipe "RBS. Payments Import.dll"

Parameter	Values	Parameter Description
SHOW_INVALID_LINES	Y/N	Parameter determines whether the row containing an error will be shown in the response file. The default value is "N" (invalid row will not be shown in the response file).
ZERO_ALLOWED	Y/N	This parameter when set to "Y" allows transaction messages for a zero amount to be imported. The default parameter value is "N" (when attempting to load a transaction message for a zero amount, an error message is generated).
STRICT_CONTROL	Y/N	When setting this parameter to "Y", the system performs an additional check for the contract and client record in the DB. The default value is "N". This parameter is only used if ONLY_CHECK = "Y".
POSTING_DATE	FILE/ NULL/ HEAD_OFFICE/ yyyy-mm-dd	Rules for filling in the POSTING_DATE field of the document created after import: "FILE" or empty – value is taken from the file; this value is used as default; "NULL" – "NULL" value is used in the field; "HEAD_OFFICE" – the Local Date is set in the field; yyyy-mm-dd – the field in the document contains the date shown in this field in the incoming file.
TRANS_DATE	FILE/ CURRENT_DATE/ HEAD_OFFICE/ yyyy-mm-dd	Rules for the TRANS_DATE field of the document created after import: "FILE" or empty – value is taken from the file; this value is used as default; CURRENT_DATE – the field contains the current system date; "HEAD_OFFICE" – the Local Date is set in the field; yyyy-mm-dd – the field in the document contains the date shown in this field in the incoming file.

Parameter	Values	Parameter Description
APPROVE_BATCHES	Y/N	Parameter determining whether imported batches are approved. This parameter is used for compatibility with previous versions. If this parameter is set to "N", it overrides parameter DOC_PROCESSING=APPROVE (documents created by import results are not processed). Default value is "Y".
ACCEPT_PROC	Name of procedure	Name of stored procedure invoked for document acceptance after payment import. Default value is "incd.ACCEPT_DOC".
DOC_PROCESSING	APPROVE/ ACCEPT/ NOTHING	Parameter defining the type of document processing after payment import: "APPROVE" – documents are approved; this is the default value; "ACCEPT" – documents are accepted; this value is only permitted if the Check Level parameter in the file header is set to "R"; "NOTHING" – documents are not processed.
FIND_IN_FI	Y/N	This parameter, when set to "Y", defines how the system searches for the target financial institution, by FI table, and not by INTERCH_ROUTING table (when set to "N"). Default value is "N".
CHECK_SENDER	Y/N	When this parameter is set to "Y", the system during import checks that the sender ID corresponds with the branch code from the DB's FI table. The default value is "N".
ONLY_CHECK	Y/N	When set to "Y", the pipe only checks file formats used for import, without importing data. Default value is "N" (import files).
RESP_FOR_DUPL_FILES	Y/N	When set to "Y", when the system attempts to import an already imported file, a response file will be created stating that the file was already imported. The imported file will be sent to the bad file directory. The default value is "N". In this case, the response file is not created and the imported file remains in the outgoing directory, and an error message will be created during the second import process.
DEFERRED_RESPONSE	Y/N	Deferred creation of outgoing response files; default value is "N".

Parameter	Values	Parameter Description
CHECK_CONTRACT_CURR	Y/N	When the value of this parameter is "Y", the verification of the conformity of payment currency to contract currency is activated. If they are different, the document is rejected. The default value of the parameter is "N".
PAY_TO_MAIN_CONTRACT	Y/N	If the value of this parameter is "Y", and the authorization scenario of the contract the payment is being loaded for is Auth Scenario = "See Main", the upper level contract in the contract hierarchy is searched out. The first found contract whose authorization scenario is Auth Scenario = "Check" is used as the contract of the recipient of the payments. The default value of this parameter is "N".
SOURCE_CONTRACT_NUMBER	Contract number	This parameter is used only when, in the system, the value of InOnUs parameter of the channel for transmitting transaction information indicated in the Source Message Channel field of the file header is "Y". In this case, the number of the bank contract that will be indicated in the SOURCE_NUMBER field of documents generated as the result of the loading of payments is assigned as the value of the SOURCE_CONTRACT_NUMBER parameter.
NOT_KILL_BAD_DOCS	Y/N	Parameter indicating whether the system will display payment documents in the All Docs table ("Full → Documents Input & Update\Doc - General Form → All Docs") if they created errors while in the DOC_PROCESSING=ACCEPT. Default value is "N".
RESP_FILE_PREFIX	symbol	Outgoing response file name prefix; the default value is "Y".
FILE_MASK		If a value is assigned to the parameter, it overrides the default file selection template (P???????). Only a file name prefix may be changed when specifying a value, e.g. B???????.

Parameter	Values	Parameter Description
PA_IN_TA	Y/N	If the parameter value is "Y", when a document is imported for an amount that exceeds the amount available, the amount actually debited is shown in the document's <i>Transaction Amount</i> field. The requested amount is saved in the REQUESTED_AMOUNT tag of the <i>Add Data</i> field. The default value is "N" (the requested amount is specified in the <i>Transaction Amount</i> field).

Parameters for Pipe "RBS. Batch File Response.dll"

Parameter	Value	Parameter Description
FILE_TYPE	File type	If this parameter is shown, it should be set to "PAY".
FILTER	Condition fragment	Fragment of condition WHERE added to the SELECT operator. For example: "(rec_date > to_date('02/01/2001','DD/MM/YYYY'))"
GEN_POSIT_RESP	Y/N	If the value of this parameter is "Y", messages as to the successfully processed financial documents are placed in the response file. The default value is "N".
HIDE_BATCH_MSG	Y/N	If the value of this parameter is "Y", messages where Message Type= "BATCH" are not placed in the response file. The default value is "N".

Глава 2. File Formats

Incoming File Format

The incoming file contains payments by accounts from issuing account and card contracts and is used by WAY4 to keep track of fund activity in contract accounts that are not related to card transactions. Incoming files must be saved in the incoming mail directory of the corresponding financial institution.

File data is stored in ASCII format. The entry length is 206 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, the batch header, the batch trailer, and the transaction message.

The first file message is the file header. The last file message is the file trailer. Transaction messages contained in the file are grouped into batches. Each batch begins with the bath header and ends with the batch trailer. The batch may only contain transactions of one type in a single currency.

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).
- **HMISS** – time, where HH is hours (00 ... 23), MI is minutes (00 ... 59), SS is 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:

#	Field	Pos	Len	Use	Format	Value
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#	Field	Pos	Len	Use	Format	Value
1.	File Name Prefix	1	1	M	an	"P"
2.	File Sender	2	4	M	an	Sender code. Codes are defined in the <i>Member ID</i> field of the BIN table ("Full → Configuration Setup → Routing → BIN Groups → [BIN Table]"). The field is left justified and is padded from the right with spaces. 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.	Delimiter/File Number	6	1	M	an	"_" (underline symbol) or the most significant bit of the file number, if the number of files over the day is more than 99.
4.	File Number	7	2	M	n	Sequential file number for the current day.
5.	Delimiter	9	1	M	an	Symbol "."
6.	File Date	10	2	M	JJJ	File creation date.

File header structure:

#	Field	Pos	Len	Use	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	"PAYMENT"
4.	Version	19	3	M	an	"12"
5.	File Sender	22	6	M	an	Sender code. Codes are defined in the <i>Member ID</i> field of the BIN table ("Full → Configuration Setup → Routing → BIN Groups → [BIN Table]"). The field is left justified and is padded from the right with spaces.
6.	File Creation Date	28	8	M	YYYYMMDD	File creation date.
7.	File Creation Time	36	6	M	HHMISS	File creation time.
8.	Reserved	42	2	M	n	"00"
9.	File Number	44	2	M	n	Sequential file number for the current day.

#	Field	Pos	Len	Use	Format	Value
10.	Receiving Member ID	46	6	M	an	ID of the receiver FI. If the pipe parameter FIND_IN_FI is set to "Y", codes are defined in the <i>Branch Code</i> field of the table at "Full → Configuration Setup → Main Tables → Financial Institutions". If pipe parameter FIND_IN_FI is set to "N", codes are defined in the <i>Our Member ID</i> field of the table at "Full → Configuration Setup → Routing → Interchange Routing Contracts".
11.	Check Level	52	1	M	an	The error check level: "F" (file) – the entire batch is rejected if an error is found, "B" (batch) – bad batches are rejected, batches without errors are accepted (if the file format is bad the entire file is rejected), "R" (transaction) – bad transactions are not rejected, transactions without errors are accepted (if the file format is bad the entire file is rejected).
12.	Contract Identification Type	53	1	M	an	Contract identification method: "C" – By contract number in WAY4; "R" – By RBS contract number.
13.	Client Checking	54	1	M	an	Client name check: "Y" – the sent check data must be the same as the client's Short_Name, "F" – the sent data must be the same as the client name that consists of fields Last_Name, First_Name and Father_Name of the client entry, separated by spaces, "L" – the sent control data should be the client number, "R" – the sent control data must be the client Reg_Number, "N" – the client name is not checked.
14.	Source Message Channel	55	1	M	an	The source message channel code. The code is defined in the table found at "Full → Configuration Setup → Main Tables → Message Channels".
15.	Code Page Type	56	1	M	an	Code page type: "D" – MS DOS, "W" – MS Windows.

#	Field	Pos	Len	Use	Format	Value
16.	Using Mode Code	57	1	O	an	Import mode: <ul style="list-style-type: none"> • Filler symbol – normal mode; • "S" – special mode (only for OpenWay representatives).
17.	Authorization mode	58	1	M	ans	Flag for checking the amount available on the target contract accounts: "P" – only documents where settlement amount is present are processed, "S" – documents are processed for the amount available, "N" – all documents are processed.
18.	Reserved	59	145	M	an	Filled with spaces.
19.	Terminal Symbol	204	1	M	an	Symbol "***"
20.	Delimiter	205	2	M	b	0x0D, 0x0A (CRLF)

File trailer structure:

#	Field	Pos	Len	Use	Format	Value
21.	Row Code	1	2	M	an	"FT"
22.	Row Number	3	6	M	N	Row number in the file.
23.	Number of Batches	9	6	M	N	Number of batches in the file.
24.	Hash File Total	15	18	M	N	Control amount in the Batch Total Amount field. The total is calculated without taking into account the currency, the decimal point or sign.
25.	File Total Sign	33	1	O	an	The sign of the control amount in the Batch Total Amount field. Field is used only if the file header parameter Using Mode Code = "S".
26.	Reserved	34	170	M	an	Filled with spaces.
27.	Terminal Symbol	204	1	M	an	Symbol "***"
28.	Delimiter	205	2	M	b	0x0D, 0x0A (CRLF)

Batch header structure:

#	Field	Pos	Len	Use	Format	Value
1.	Row Code	1	2	M	an	"BH"
2.	Row Number	3	6	M	n	Row number in the file.

#	Field	Pos	Len	Use	Format	Value
3.	Batch Number	9	10	M	an	Batch ID. This ID is a Source Reg Number element created in the system for the batch.
4.	Message Type	19	12	M	an	Transaction message code. Codes are defined in the table at "Full → Configuration Setup → Transaction Types → Message Types - All".
5.	Account Type	31	1	O	an	Code of account type in the transaction. Codes are defined in the table at "Full → Configuration Setup → Accounting Setup → Account Types".
6.	Reserved	32	4	M	an	Filled with spaces.
7.	Transaction Direction	36	1	M	an	Transaction direction: "C" – account is credited, "D" – account is debited. Used only for control purposes.
8.	Batch Currency	37	3	M	n	Numerical transaction currency code of the batch in ISO-4217.
9.	Processing Date	40	8	O	YYYYMMDD	Banking date on which documents created after batch import are processed.
10.	Transaction Details	48	32	O	an	Transaction description.
11.	Extended Transaction Details	80	100	O	an	Extended transaction details.
12.	RBS Member Id	180	16	O	an	Value of contract's RBS_MEMBER_ID field.
13.	Reserved	196	8	M	an	Filled with spaces.
14.	Terminal Symbol	204	1	M	an	Symbol "**"
15.	Delimiter	205	2	M	b	0x0D, 0x0A (CRLF)

Batch trailer structure:

#	Field	Pos	Len	Use	Format	Value
1.	Row Code	1	2	M	an	"BT"
2.	Row Number	3	6	M	an	Row number in the file.
3.	Number of Transactions	9	6	M	n	Number of transactions in the batch.
4.	Batch Total Amount	15	18	M	n	Total amount in the Transaction Amount field.

#	Field	Pos	Len	Use	Format	Value
5.	Batch Total Amount Sign	33	1	C	an	Control amount sign for the Transaction Amount field. Field is only used if the file header parameter Using Mode Code = "S".
6.	Reserved	34	170	M	an	Filled with spaces.
7.	Terminal Symbol	204	1	M	an	Symbol "***"
8.	Delimiter	205	2	M	b	0x0D, 0x0A (CRLF)

Transaction message structure:

#	Field	Pos	Len	Use	Format	Value
1.	Row Code	1	2	M	an	"RD"
2.	Row Number	3	6	M	n	Row number in the file.
3.	Document Number	9	6	M	an	Slip ID. This number, for example, the sequential slip number in the batch, is a source reg number element created after import.
4.	Transaction Amount	15	15	M	n	Transaction amount.
5.	Contract Number	30	32	M	an	Contract number.
6.	Client Check Value	62	60	C	an	Client check value (see field 13 of the file header).
7.	Transaction Details	122	32	O	an	Transaction details.
8.	Transaction Direction	154	1	C	an	Filler symbol.
9.	Account Type	155	1	O	an	Code of account used for the payment. Codes are defined in the table at "Full → Configuration Setup → Accounting Setup → Account Types".
10.	Reserved	156	48	M	an	Filled with spaces.
11.	Terminal Symbol	204	1	M	an	Symbol "***"
12.	Delimiter	205	2	M	b	0x0D, 0x0A (CRLF)

Response File Format

The outgoing file is sent as a response to the incoming file, and confirms that it has been accepted. It contains information on errors in the incoming file. The response file is created in the outgoing mail directory of the corresponding financial institution.

File data is stored in ASCII format. The entry length is 198 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 information messages.

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).
- **YYYY/MM/DD** – 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).
- **HH:MI:SS** – time, where HH is hours (00 ... 23), MI is minutes (00 ... 59), SS is 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:

#	File	Pos	Len	Use	Format	Value
1.	File Name Prefix	1	1	M	an	Determined by the RESP_FILE_PREFIX pipe parameter (see "Parameters for Pipe "RBS. Payments Import.dll"). The default value is "Y".

#	File	Pos	Len	Use	Format	Value
2.	Inward File Sender	2	4	M	an	ID of the incoming file sender. Left justified, and padded to the right with spaces. The file has the same value as the File Sender field of the incoming file.
3.	Delimiter	6	1	M	an	"_" (underline symbol).
4.	Inward File Number	7	2	M	n	Sequential number of the incoming file for that day. Same as the value of the File Number field of the incoming file.
5.	Delimiter	9	1	M	an	Symbol "."
6.	Inward File Date	10	3	M	JJJ	Creation date of the incoming file. Corresponds to the File Date field of the incoming file.

File header structure:

#	Field	Pos	Len	Use	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	Filler symbol.
4.	File Label	10	10	M	an	"PAYM-RESP"
5.	Filler	20	1	M	an	Filler symbol.
6.	Version	21	3	M	an	File format version number.
7.	Filler	24	1	M	An	Filler symbol.
8.	Inward File Sender	25	6	M	an	ID of the incoming file sender. Left justified, and padded to the right with spaces. The file has the same value as the File Sender field of the incoming file.
9.	Filler	31	1	M	an	Filler symbol.
10.	Inward File Date	32	10	M	YYYY/MM/DD	Creation date of the incoming file. Same as the File Date field of the incoming file.
11.	Filler	42	1	M	an	Filler symbol.
12.	Inward File Time	43	8	M	HH:MI:SS	Creation time of the incoming file. Same as the File Time field of the incoming file.
13.	Filler	51	1	M	an	Filler symbol.
14.	Reserved	52	2	M	n	Filled with zeros.

#	Field	Pos	Len	Use	Format	Value
15.	Inward File Number	54	2	M	n	Sequential number of the incoming file for the day. Same as the File Number field of the incoming file.
16.	Filler	56	1	M	an	Filler symbol.
17.	File Date	57	10	M	YYYY/MM/DD	Response file creation date.
18.	Filler	67	1	M	an	Filler symbol.
19.	File Time	68	8	M	HH:MM:SS	Response file creation time.
20.	Filler	76	1	M	an	Filler symbol.
21.	Check Level	77	1	M	an	Value of this field is the same as the field of the same name in the incoming file (see field 11 of the incoming file's header). The check level when accepting incoming files and errors are detected: "F" (file) – all batches in the file are rejected if an error is found, "B" (batch) – bad batches are rejected, but those not containing errors are accepted (if the file format contains an error the entire file is rejected), "R" (transaction) – bad transactions are rejected, transactions that do not contain errors are accepted (if the file format contains an error the entire file is rejected.)
22.	Reserved	78	118	M	an	Filled with spaces.
23.	Terminal Symbol	196	1	M	an	Symbol "***"
24.	Delimiter	197	2	M	b	0x0D, 0x0A (CRLF)

File trailer structure:

#	Field	Pos	Len	Use	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	Filler symbol.
4.	Number of Messages	10	6	M	n	Number of information messages in the file.
5.	Filler	16	1	M	an	Filler symbol.

#	Field	Pos	Len	Use	Format	Value
6.	File Response Flag	17	23	M	an	File response flag: "FILE REJECTED" – file rejected, "FILE ACCEPTED" – file accepted. "FILE ACCEPTED PARTIALLY" – file only partially accepted, several batches were rejected.
7.	Filler	40	1	M	an	Filler symbol.
8.	Number of Accepted Batches	41	6	M	n	Number of accepted batches.
9.	Filler	47	1	M	an	Filler symbol.
10.	Number of Rejected Batches	48	6	M	n	Number of rejected batches.
11.	Filler	54	1	M	an	Filler symbol.
12.	File Total	55	18	O	n	The total amount in the Batch Total Amount field of the batch files (see field 4 of the batch trailer of the incoming file).
13.	File Total Sign	73	1	O	an	The sign of the control amount in the Batch Total Amount field. The field is used only if the file header parameter Using Mode Code = "S".
14.	Accept File Total	74	18	O	n	Total amount of accepted transaction files.
15.	Accept File Total Sign	92	1	O	an	Sign of the control amount of the files' accepted transactions. Field is only used if the file header parameter Using Mode Code = "S".
16.	Reserved	93	103	M	an	Filled with spaces.
17.	Terminal Symbol	196	1	M	an	Symbol "***"
18.	Delimiter	197	2	M	b	0x0D, 0x0A (CRLF)

Information message structure:

#	Field	Pos	Len	Use	Format	Value
19.	Row Code	1	2	M	an	"RD"
20.	Row Number	3	6	M	n	Row number in the file.
21.	Filler	9	1	M	an	Filler symbol.
22.	Inward Row Number	10	6	C	n	Row number in the incoming file. Field is filled in error messages.

#	Field	Pos	Len	Use	Format	Value
23.	Filler	16	1	M	an	Filler symbol.
24.	Message Type	17	5	C	an	Message types: <ul style="list-style-type: none"> • "BATCH" – message that the batch has been accepted, • filled with spaces for the error message.
25.	Filler	22	1	M	an	Filler symbol.
26.	Inward Batch Number	23	10	C	an	Batch number in the incoming file. Filled if the batch number was read by the system during import.
27.	Filler	33	1	M	an	Filler symbol.
28.	Inward Document Number	34	6	C	an	Message number in the incoming file (see field 3 of the incoming file's transaction message). This field is filled for error messages, if the number was read during import.
29.	Filler	40	1	M	an	Filler symbol.
30.	Message	41	100	M	an	Error description for the error message. For batch acceptance messages, the field is filled according to the rules shown in the table "Structure of data in the Message field for BATCH type messages".
31.	Filler	141	1	M	an	Filler symbol.
32.	Error Code	142	4	M	an	Error code. For batch acceptance messages, if the batch contains no errors, the field contains "0000".
33.	Filler	146	1	M	an	Filler symbol
34.	Original Line Flag	147	1	M	an	Flag for original row: <p>"Y" – the row after the current row will contain the row where the error was found (see "Advanced Response File Format"),</p> <p>"N" – normal mode.</p>
35.	Reserved	148	48	M	an	Filled with spaces.
36.	Terminal Symbol	196	1	M	an	Symbol "***"
37.	Delimiter	197	2	M	b	0x0D, 0x0A (CRLF)

Structure of data in the Message field for "BATCH" type messages:

#	Field	Pos	Len	Use	Format	Value
1.	Batch Response Flag	41	12	M	an	Batch response flag: "CORRECT" – the batch does not contain errors and is accepted for processing if the file has not been rejected; "PART.CORRECT" – the batch contains bad transactions, transactions not containing errors are accepted for processing. This value may only be used if Check Level = "R" (see field 21 of the file header structure). "REJECTED" – the batch was bad and was completely rejected.
2.	Filler	53	1	M	an	Filler symbol.
3.	Number of Correct Transactions	54	6	C	n	Number of correct transactions in the batch. The value is right-justified and padded to the left with spaces. This field is used if the Batch Response Flag field (field 1 of this table) is set to "CORRECT" or "PART.CORRECT".
4.	Filler	60	1	M	an	Filler symbol.
5.	Correct Total Amount	61	16	C	n	The total amount of correct transaction batches. This amount is presented in largest currency units (dollars, pounds....) and the smallest currency units (cents, pence...) are shown after the decimal point ".". The value is right-justified and padded to the left with spaces. This field is used if the Batch Response Flag field (field 1 of this table) is set to "CORRECT" or "PART.CORRECT".
6.	Filler	77	1	M	an	Filler symbol.
7.	Number of Error Transactions	78	6	C	n	Number of error transactions in the batch. The value is right-justified and is padded to the left with spaces. This field is used if the Batch Response Flag field (field 1 of this table) is set to "PART.CORRECT".
8.	Filler	84	1	M	an	Filler symbol.

#	Field	Pos	Len	Use	Format	Value
9.	Error Amount	85	16	C	n	Total amount of bad transaction batches. This amount is presented in largest currency units (dollars, pounds....) and the smallest currency units (cents, pence...) are shown after the decimal point ".". The value is right-justified and padded to the left with spaces. This field is used if the Batch Response Flag field (field 1 of this table) is set to "PART.CORRECT".

Advanced Response File Format

If the pipe parameter `SHOW_INVALID_LINES` is set to "Y" (see "Parameters for Pipe "RBS. Payments Import.dll"), the payment import procedure records the row of the incoming file that contains errors. In this case the incoming file's row is included in the response file right after the row containing the error message where the Original Line Flag field is set to "Y". The rows of the original incoming file are included in the response file in the following format:

#	Field	Pos	Len	Use	Format	Value
1.	Row Code	1	2	M	an	"RD"
2.	Row Number	3	6	M	n	Row number in the file.
3.	Original Line Label	9	1	M	an	Symbol ">"
4.	Original Line	10		M		Copy of the original incoming file containing the error.
5.	Delimiter		2	M	b	0x0D, 0x0A (CRLF)

The length of the indicated row in the response file is defined by the length of the row in the original incoming file.

Error Messages in Response Files

Response files may contain errors detected during incoming payment files import.

The list of error messages.

Error code	Error message	Description
1301	Unknown Sender	
1302	Unknown Receiver	
2304	Invalid Currency	
2360	Contract not found	
2380	FI not found	
2386	Can't authorize	Amount available is not sufficient or cannot be determined. A more specific description of the problem will be generated in this case.
2501	Invalid Message Channel	

Error code	Error message	Description
2502	Invalid Receiver	
2503	Bad message sequence	Record type sequence violation has been detected in the file.
2504	Invalid number of batches	
2505	Invalid hash file total	
2506	Transaction has zero amount	
2507	Can't approve document	
2508	Can't accept payment	
2509	Client check fail	
2510	Unknown Message Type	No transaction type has been found (by message code).
2511	Invalid Account Type	
2512	Wrong Transaction Direction	
2513	Invalid Batch Amount Total	
2514	Invalid Number Of Transaction in Batch	
2515	Contract closed	
2600	Batch contain error transaction	
2601	Batch rejected	
2602	The currency of payment does not correspond to currency of the contract	
9001	File Header Absent	
9002	File Trailer Absent	
9003	Invalid field. Mess=<Message Name>. Fld=<Field Name>.	
9004	Can't detect message type	Message type in the file cannot be determined during import.
9005	File line too long	
9010	Duplicate file found for <File Name> [<File ID>]	