

**TKDIS**  
**Format of export/import files**  
**(Foreign payment system - FPS)**

- 1. Foreign payment system (FPS) ..... 3
  - 1.1 Format of export/import files ..... 3
    - 1.1.1 Format of file containing payment orders ..... 3
    - 1.1.2 Inflows ..... 5
    - 1.1.3 Currency exchange rate lists ..... 6
    - 1.1.4 The Address book import/export data-file format ..... 7

# 1. Foreign payment system (FPS)

---

## 1.1 Format of export/import files

### 1.1.1 Format of file containing payment orders

There can be any number of orders in one database. Each line contains a record of one order. Lines and fields have fixed lengths of characters. The table below shows the database structure of an imported or exported order:

No.	Field	Beginning	Length	Mandatory	Comment
1.	Unique order ID	1	16		Disregarded when imported
2.	Unique ID number of client's bank	17	10	*	
3.	Unique ID number of Client	27	10		Disregarded when imported. Joined with unique ID number of registered user of Hal E-Bank. When imported length of data is shorted from 13 to 10.
4.	Job number (70)	37	2	*	"70"
5.	Job category label	39	1	*	"1" to "8"
6.	Label of employee in charge	40	10		
7.	Reference label	50	15		Only 10 character allowed
8.	Mode of realization	65	20		
9.	Mode of realization (number)	85	2		"0", "1" or "2"
10.	Beneficiary's account	87	34		
11.	Beneficiary's name	121	35	*	
12.	Beneficiary's address	156	35	*	
13.	Beneficiary's town	191	35	*	
14.	Beneficiary's country	226	35	*	
15.	Country code	261	3	*	Country code from code list of countries
16.	Name of Beneficiary's bank	264	35	*	
17.	Address of Beneficiary's bank	299	35		
18.	Town of recipient's bank	334	35	*	
19.	Country of Beneficiary's bank	369	35	*	Country code from the code list of countries
20.	BIC of Beneficiary's bank	404	11		
21.	Country code of Beneficiary's bank	415	3	*	Country code from the code list of countries
22.	Currency code	418	3	*	Currency code from code list of currencies

<b>No.</b>	<b>Field</b>	<b>Beginning</b>	<b>Length</b>	<b>Mandatory</b>	<b>Comment</b>
23.	Currency label	421	3	*	Word label from the list of currency codes
24.	Value	424	17	*	
25.	Purpose for payment 1	441	35	*	First or second field for purpose has to be entered.
26.	Purpose for payment 2	476	35	*	
27.	Purpose for payment 3	511	35		
28.	Purpose for payment 4	546	35		
29.	Domestic commission	581	1	*	"N" – orderer, "U" - beneficiary
30.	Foreign commission	582	1	*	"N" – orderer, "U" - beneficiary
31.	Special instructions 1	583	35		
32.	Special instructions 2	618	35		
33.	Empty	653	79		Empty
34.	Statistics: value 1	732	4	*	Not in use for BIH market. Insert value "0,00"
35.	Empty	736	92		Empty
36.	Statistics: value 2	828	4	*	Not in use for BIH market. Insert value "0,00"
37.	Empty	832	92		Empty
38.	Statistics: value 3	924	4	*	Not in use for BIH market. Insert value "0,00"
39.	Empty	928	92		Empty
40.	Statistics: value 4	1020	4	*	Not in use for BIH market. Insert value "0,00"
41.	Empty	1024	92		Empty
42.	Statistics: value 5	1116	4	*	Not in use for BIH market. Insert value "0,00"
43.	Empty	1120	92		Empty
44.	Statistics: value 6	1212	4	*	Not in use for BIH market. Insert value "0,00"
45.	Empty	1216	92		Empty
46.	Statistics: value 7	1308	4	*	Not in use for BIH market. Insert value "0,00"
47.	Empty	1312	92		Empty
48.	Statistics: value 8	1404	4	*	Not in use for BIH market. Insert value "0,00"
49.	Empty	1408	23		Empty
50.	Statistics: sum of value	1431	4	*	Not in use for BIH market. Insert value "0,00"

No.	Field	Beginning	Length	Mandatory	Comment
51.	Empty	1435	13		Empty
52.	Second part of orderer account	1448	10	*	Just the second part of account
53.	Code of currency of foreign currency security	1458	3	*	Mandatory, if security is in foreign currency
54.	Lable of currency of foreign currency security	1461	3	*	Mandatory, if security is in foreign currency
55.	Status of security	1464	1		
56.	Value of commission	1465	17		
57.	Name of intermediary bank	1482	70		
58.	BIC of intermediary bank	1552	11		
59.	Account of intermediary bank	1563	35		
60.	Address of intermediary bank	1598	35		
61.	Town of intermediary bank	1633	35		
62.	Country code of intermediary bank	1668	3		
63.	Country name of intermediary bank	1671	35		
64.	Requested date of payment	1706	8		Format: ggggmmdd (year, month, day) - without inserted delimiters
65.	Line brake	1714			"0x0D" and "0x0A"

### 1.1.2 Inflows

Information of inflow can only be exported from the system of Personal E-Bank program. Every inflow creates one line in an export file. All lines and fields have fixed lengths. The structure record of exported inflow is shown in table below:

No.	Field	Beginning	Length	Comment
1.	Bank reference	1	12	Leading characters are blank
2.	Code of sender country	13	3	
3.	BIC of sender bank	16	11	
5.	Name of sender bank	27	35	Leading characters are blanks
5.	Name of sender	62	35	Leading characters are blanks
6.	Purpose of inflow 1	97	35	Leading characters are blanks
7.	Purpose 2	132	35	Leading characters are blanks
8.	Currency label	167	3	
9.	Amount			Leading characters

No.	Field	Beginning	Length	Comment
		170	15	are blank
10.	Date of inflow	185	8	yyyymmdd (for example 20000115)
11.	Original inflow amount	193	35	
12.	Line brake	228		"0x0D" and "0x0A"

### 1.1.3 Currency exchange rate lists

Currency exchange rate lists can only be exported from the Personal E-Bank program system. This data-file has the following lines:

- The first line is a record of the header of the currency exchange rate list.
- The following lines are records of currency exchange rates, a separate line for each currency.

Format of the header of the currency exchange rates list:

No.	Field	Beginning	Length	Comment
1.	Number of exchange rates list of CB	1	3	
2.	Date of currency	4	8	Format: yyyymmdd (for example 20030108)
3.	Date of currency	12	8	format: yyyymmdd
4.	Line brake	20		"0x0D" and "0x0A"

Format of exchange rates:

No.	Field	Beginning	Length	Comment
1.	Currency label	1	3	
2.	Currency label	45	3	
3.	Number of units	7	3	1 or 100
4.	Buying rate of CB	10	11	Leading 0
5.	Middle rate of CB	21	11	Leading 0
6.	Selling rate of CB	32	11	Leading 0
7.	Buying rate of bank	43	11	Leading 0
8.	Selling rate of bank	54	11	Leading 0
9.	Line brake			"0x0D" and "0x0A"

The file ends with sign 0x1A.

### 1.1.4 The Address book import/export data-file format

The data-file in each record contains information about a business partner and one of his accounts. An example of a text file record for import into the personal Address Book of partners is shown in the frame. (One complete record is in the frame, which, due to its length is shown in pieces):

"NAME OF LEGAL ENTITY", "STREET AND HOME NUMBER", "POSTAL CODE AND TOWN", "COUNTRY", "COMMENT", "ACCOUNT NUMBER", "NAME OF THE BANK, WITH WHICH THE ACCOUNT IS HELD", "STREET AND STREET NUMBER OF THE BANK", "POSTAL CODE AND TOWN OF THE BANK", "COUNTRY OF THE BANK", "COMMENT OF THE BANK", "BIC OF BANK'S CODE", "MODEL AND CALL OF THE BANK", "
---

Record format description:

- each section contains 14 fields / columns,
- the content of each field is between two double quotation marks,
- separation between the fields is marked by a comma,
- empty fields are represented by two double-quotation marks (" " ),
- fields with key information cannot be empty,
- the line ends with 0x0D i 0x0A.

**Note:** Double-quotation mark within the field is displayed as two double-quotation marks. Thus, for example "THIS IS " " " is imported as THIS IS " .

Information is divided into three groups by their contents:

- Fields 1 to 5 included contains information about the beneficiary.
- Fields 6 and 13 contain information about the account model and call.
- Fields between 7 and 12, and field 14 contain information about the bank with which the account is held. The information about the bank is compared with the Address Book of banks data during importing.
- In fields 6 and 13, allowed characters are only numbers from 0 to 9 and hyphen -.

**Note:** The address book is organized to include information about the beneficiary's account in foreign banks, which the Hal E-Bank program does not use for domestic payment operations.

Optional and mandatory fields and maximum width of fields are shown in the table below. Mandatory fields, which must not be empty, are specially marked with an **M**. If the field 6 (account number) is empty, only the information about the beneficiary is imported into the *Address Book*. If the field 6 is filled, then fields 7, 9, 10 have to be filled as well.

<b>field number</b>	<b>max. width (characters)</b>	<b>field contents</b>
1 <b>M</b>	35	Name of legal entity or name and surname of physical entity
2	35	Street and home number
3 <b>M</b>	35	Postal code and town
5 <b>M</b>	35	Country
5	140	Comment
6	34	Account number
7	35	Name of the bank, with which the account is held
8	35	Street and street number of the bank with which the account is held
9	35	Postal code and town of the bank with which the account is held
10	35	Country of the bank with which the account is held
11	140	Comment of the bank with which the account is held
12	11	BIC address of the bank, with which the account is held
13	24	Model (first two characters) and call of the account
15	35	Account number of the bank with which the account is held