Formats of import and export data in the iBank 2 UA system.
Technical description

DBO Soft

(version 3.12)

Content

Section 1

Preface

This document is detailed description of the data exchange capabilities of the electronic banking system iBank 2 UA and is intended for corporate clients of the bank.

Data exchange allows you to integrate the iBank 2 UA system with other systems (for example, accounting software). Data exchange is subdivided into **import** (loading objects into iBank 2 UA system from an external file with a special structure) and **export** (unloading objects from the iBank 2 UA system into an external file with a special structure).

Section **Import formats for corporate clients** is devoted to detailed description of the possibilities of importing documents and directories. This section lists available import formats, as well as examples of import files for each type of document or directory.

The **Export formats for corporate clients** section describes the available export formats for reports and directories, as well as the structures and examples of export files.

Section 2

Import formats for corporate clients

The iBank 2 UA system has ability to import documents and directories by corporate clients or finance control centers (FCC). The **Web-Banking** module, besides its other capabilities, allows clients to import. For import a hryvnia payment order, you can also use the additional module **Corporate Autoclient** (for more information, see documentation *Система iBank 2 UA. Корпоративный автоклиент. Руководство пользователя*).

The iBank 2 UA system supports the following import formats:

1. iBank 2.

2. Bank-Client.

3. BM RS.

4. DBF.

Import in iBank 2 format

Import files in iBank 2 format are text files containing documents or directory record. There can be several documents or directory records in one import file. In this case, they are separated from each other by single empty line.

Each document or directory record in the import file has following structure:

1. Document type definition in the format **Content-Type = <document or directory type>**. After determining type of document, you must add an empty line.

   > **Attention!**
   > Import file should contain documents (directory records) of only one type. All imported data must be in Windows-1251 encoding.

2. Pairs of values in the format **<field name>=<field value>**. Each pair in the file starts with a new line. Names of fields are names of requisites of documents, records of directory and may differ for different types of documents and directories.

   > **Attention!**
   > If <field value> contains «\n» characters, then these characters should be replaced with «\\n» characters, if «\\», then «\\\\» characters.

List of document types and directories available for import in iBank 2 format, as well as the corresponding value of the **Content-Type** field are presented below:

Type of document, directory	*Content-Type* field value
Hryvnia payment order	doc/ua_payment
Outgoing payment request-order	doc/ua_payment_request
Payroll sheet	doc/pay_sheet
Card validity prolongation order	doc/card_prolongation
Fire staff order	doc/fire_staff_order
Card assignment order	doc/assign_card_order

Payment order in foreign currency	doc/ua_currency_payment
Payment within the Bank in foreign currency	doc/ua_intrabank_currency_payment
Currency sale order	doc/ua_currency_sale
Currency purchase order	doc/ua_currency_purchase
Currency convert order	doc/ua_currency_convert
Recipient directory	ref/recipient
Beneficiary directory	ref/beneficiar
Recipient directory (FCC)	ref/ua_mrecipient
Beneficiary directory (FCC)	ref/mbeneficiar

Hryvnia payment order

Structure of import file of the hryvnia payment order *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **DATE_DOC** — document date in the format «DD.MM.YYYY». Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

- **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

- **AMOUNT** — document amount. Number in which no more than 10 characters in the integer part and 2 characters in the fractional part. Separator of the integer and fractional parts is point. Required.

- **CLN_NAME** — client name, not more than 40 characters. Ignored – in the imported document this field is always filled in from the customer information in the iBank 2 UA system.

- **CLN_OKPO** — client EDRPOU code. Number from 8 to 10 digits. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_ACCOUNT** — client account number. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **CLN_BANK_NAME** — name of the bank in which client account is opened, not more than 140 characters. Ignored – in the imported document this field is always filled by name of bank from the MFO directory according to the specified MFO code.

- **CLN_BANK_MFO** — MFO code of the bank in which the client account is opened. Ignored – in the imported document, this field is always filled in with the MFO code from the client account information.

- **CLN_COUNTRY_CODE** — client country code. Number is strictly 3 characters. Ignored – in the imported document this field is always filled in from the client information in the iBank 2 UA system.

- **RCPT_NAME** — recipient name, from 3 to 40 characters. Required.

- **RCPT_OKPO** — recipient EDRPOU code or ITN. Number from 8 to 10 digits. Required.

- **RCPT_ACCOUNT** — recipient account number. It can be specified only in the IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code). Required.

- **RCPT_BANK_NAME** — bank name in which recipient account is opened, not more than 140 characters. Ignored – in the imported document this field is always filled by name of bank from the MFO directory according to the specified MFO code.

- **RCPT_BANK_MFO** — MFO code of the bank in which recipient account is opened. Ignored – in the imported document, this field is always filled in with the MFO code as part of IBAN of recipient account.

- **RCPT_COUNTRY_CODE** — recipient country of residence code. Number is strictly 3 characters. Optional.

- **RCPT_STREET** — street (avenue, alley,etc) of the postal address of the recipient, not more than 70 characters. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_HOUSE_NUMBER** — building number of the postal address of the recipient, not more than 16 characters. Required, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_POSTCODE** — postal code of the postal address of the recipient, not more than 16 characters. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_OFFICE_NUMBER** — number of apartment or office of the postal address of the recipient, not more than 70 characters. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_CITY** — locality (city or vallage name, etc.) of the postal address of the recipient, not more than 35 characters. Required, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_DISTRICT** — district of apartment or office of the postal address of the recipient, not more than 35 characters. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_REGION** — region of apartment or office of the postal address of the recipient, not more than 35 characters. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_COUNTRY_LOCATION** — country code of the postal address of the recipient. Number is strictly 3 characters. Required, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill.

- **PAYMENT_DETAILS** — payment details, from 3 characters. The maximum value of the field is configured on the bank side, but not more than 420 characters. Does not fill for budget payments (in which *BP_ADD_INFO* field is filled). Required for non-budget payments.

- **VALUE_DATE** — value date in format «DD.MM.YYYY». Cannot be equal to document date and exceed 10 days from it. Optional.

- **RCPT_PASSP_SER** — series of recipient's passport, 2 characters. Required if recipient is an private person who has no ITN, but passport data are known (the ITN indicates 10 zeros) and format of the old-style passport (passport series 2 characters and passport number 6 digits). If format of passport is a new style (passport number is 9 digits) then field is not filled.

- **RCPT_PASSP_NUM** — recipient's passport number. Number, 6 characters for the old passport format or 9 characters for new passport format. Required if recipient is private person who has no ITN, but passport data are known (ITN indicates 10 zeros).

- **BP_ADD_INFO** — additional information of the record of the structural payment details, no more than 140 characters. Required for bufget payments (in which *PAYMENT_DETAILS* field not filled). Ignored and not fill for non-budget payments.

- **BP_TAXCODE** — code of budget payment type. Number, no more than 6 digits. Required for budget payments (in which *PAYMENT_DETAILS* field not filled) with «Budget payments to budget or non-budget accounts» template. Must match value from the budget payment types reference. This reference filled in on the bank side. In that case also *BP_INCOME_CODE*, *BP_ACCOUNT* and *BP_TAXMSG* fields are ignored and not filled. The *BP_TAXCODE* field is ignored and not filled for budget payments with other templates or for non-budget payments (in which *PAYMENT_DETAILS* field is filled).

- **BP_ACCOUNT** — budget account's number. It can be specified only in the IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code). Required for budget payments (in which *PAYMENT_DETAILS* field not filled) with «Budget payment to single account» template (indicating the direction of funds). In that case also *BP_INCOME_CODE* and *BP_TAXCODE* fields are ignored and not filled. The *BP_ACCOUNT* field is ignored and not filled for budget payments with other templates or for non-budget payments (in which *PAYMENT_DETAILS* field is filled).

- **BP_TAXMSG** — information about the tax decision, no more than 140 characters. Optional for budget payments (in which *PAYMENT_DETAILS* field not filled) with «Budget payment to single account» template (indicating the direction of funds). In that case also *BP_INCOME_CODE* and *BP_TAXCODE* fields are ignored and not filled. The *BP_TAXMSG* field is ignored and not filled for budget payments with other templates or for non-budget payments (in which *PAYMENT_DETAILS* field is filled).

- **BP_INCOME_CODE** — code of the budget income. Number, no more than 8 digits. Required for budget payments (in which *PAYMENT_DETAILS* field not filled) with «Budget payment for lease of the state property» template. In that case also *BP_TAXCODE*, *BP_ACCOUNT* and *BP_TAXMSG* fields are ignored and not filled. The *BP_INCOME_CODE* field is ignored and not filled for budget payments with other templates or for non-budget payments (in which *PAYMENT_DETAILS* field is filled).

Contents example of the hryvnia payment order import file:
```
Content-Type=doc/ua_payment

DATE_DOC=
```

```
NUM_DOC=1
AMOUNT=200.00
CLN_ACCOUNT=UA773003350000026001236521254
CLN_BANK_NAME=
CLN_BANK_MFO=300335
CLN_COUNTRY_CODE=
RCPT_NAME=OOO Матильда
RCPT_OKPO=20544847
RCPT_ACCOUNT=UA523003350000026009632012548
RCPT_COUNTRY_CODE=
RCPT_STREET=
RCPT_HOUSE_NUMBER=
RCPT_POSTCODE=
RCPT_OFFICE_NUMBER=
RCPT_CITY=
RCPT_DISTRICT=
RCPT_REGION=
RCPT_COUNTRY_LOCATION=
PAYMENT_DETAILS= Перевод денег согласно договору AB1654
VALUE_DATE=
RCPT_PASSP_SER=
RCPT_PASSP_NUM=
```

Fragment contents example of the payment instruction in national currency import file, «Budget payments to budget or non-budget accounts»:

```
PAYMENT_DETAILS=
BP_ADD_INFO=податковий борг з податку на прибуток
BP_TAXCODE=140
BP_ACCOUNT=
BP_TAXMSG=
BP_INCOME_CODE=
```

Fragment contents example of the payment instruction in national currency import file, «Budget payment to single account» (without specifying the direction of the funds):

```
PAYMENT_DETAILS=
BP_ADD_INFO=земельний податок за 2022 рік, м. Черкаси
BP_TAXCODE=
BP_ACCOUNT=
BP_TAXMSG=
BP_INCOME_CODE=
```

Fragment contents example of the payment instruction in national currency import file, «Budget payment to single account» (indicating the direction of funds):

```
PAYMENT_DETAILS=
BP_ADD_INFO=рентна плата, податкове повідомлення-рішення
BP_TAXCODE=
BP_ACCOUNT=UA308561350000026004545454558
```

```
BP_TAXMSG=земельний податок за 2022 рік, м. Черкаси
BP_INCOME_CODE=
```

Fragment contents example of the payment instruction in national currency import file, «Budget payment for lease of the state property» (indicating the direction of funds):

```
PAYMENT_DETAILS=
BP_ADD_INFO=3333333333;№150;02.07.2021;22222222;1
BP_TAXCODE=
BP_ACCOUNT=
BP_TAXMSG=
BP_INCOME_CODE=22080100
```

Outgoing payment request-order

Structure of import file of the outgoing payment request-order *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **DATE_DOC** — document date in the format «DD.MM.YYYY». Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

- **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

- **AMOUNT** — document amount. Number in which no more than 10 characters in the integer part and 2 characters in the fractional part. Separator of the integer and fractional parts is point. Required.

- **PAYER_NAME** — payer name, from 3 to 40 characters. Required.

- **PAYER_OKPO** — payer's code EDRPOU or ITN. Number from 8 to 10 digits. Required.

- **PAYER_ACCOUNT** — payer's account number. It can be specified only in the IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code). Required.

- **PAYER_BANK_NAME** — bank name in which payer's account is opened, not more than 140 characters. Ignored – in the imported document, this field is filled by bank name from the MFO directory according to specified MFO code.

- **PAYER_BANK_MFO** — bank MFO code in which payer's account is opened. Ignored – in the imported document, this field is always filled in with the MFO code as part of IBAN of payer's account.

- **PAYER_COUNTRY_CODE** — payer's country of residence code. Number is strictly 3 characters. Optional.

- **CLN_NAME** — client name, not more than 40 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_OKPO** — client EDRPOU code. Number from 8 to 10 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_ACCOUNT** — client account number. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **CLN_BANK_NAME** — name of the bank in which client's account is opened, not more than 140 characters. Ignored – in the imported document this field is filled in by bank name from the MFO directory according to the specified.

- **CLN_BANK_MFO** — bank MFO code in which client's account is opened. Ignored – in the imported document, this field is always filled in with the MFO code from the client account information.

- **CLN_COUNTRY_CODE** — client country code. Number is strictly 3 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **PAYMENT_DETAILS** — payment details, from 3 characters. The maximum value of the field is configured on the bank side, but not more than 420 characters. Required.

- **PAYER_PASSP_SER** — payer passport series, 2 symbols. Required if payer is an private person who has no ITN, but passport data are known (ITN indicates 10 zeros) and format of the old-style passport (passport series 2 characters and passport number 6 digits). If format of passport is a new sample (passport number is 9 digits) then field is not filled.

- **PAYER_PASSP_NUM** — Number, 6 characters for the old format passport or 9 characters for the new format passport. Required if payer is private person who has no ITN, but passport data are known (ITN indicates 10 zeros).

Contents example of the outgoing payment request-order import file:

```
Content-Type=doc/ua_payment_request

DATE_DOC=
NUM_DOC=1
AMOUNT=200.00
PAYER_NAME=ООО Матильда
PAYER_OKPO=20544847
PAYER_ACCOUNT=UA773003350000026001236521254
PAYER_COUNTRY_CODE=
CLN_NAME=
CLN_OKPO=
CLN_ACCOUNT=UA523003350000026009632012548
CLN_COUNTRY_CODE=
PAYMENT_DETAILS=Перевод денег согласно договору AB1657
PAYER_PASSP_SER=
PAYER_PASSP_NUM=
```

Payroll sheet

Structure of import file of the payroll sheet *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

1. Document fields:

   - **DATE_DOC** — document date in the «DD.MM.YYYY» format. Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

   - **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

   - **CLN_NAME** — client name, not more than 40 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

   - **CLN_OKPO** — client EDRPOU code. Number from 8 to 10 digits. For corporate clients is ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system. For finance control centers (FCC) field required.

   - **PAYER_ACCOUNT** — client write-off account number for main payment and payment for CSS[1]. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, account number in the analytical format is automatically replaced by IBAN.

   - **PAYER_BANK_MFO** — MFO code of the servicing bank in which account specified in the $PAYER\_ACCOUNT$ field is opened. Ignored – in the imported document, this field is always filled in with the MFO code from the information of client write-off account number for main payment.

   - **PAYER_BANK_NAME** — name of the servicing bank in which account specified in the $PAYER\_ACCOUNT$ field is opened. Not more than 140 characters. Ignored – in the imported document this field is filled in by bank name from the MFO directory according to the specified MFO code.

   - **PAYER_COMMISSION_ACCOUNT** — client's account number for the withdrawal of commission for CSS. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required field is configured by bank separately for each type of type of charge. Checks if client has an account with specified number and currency. In the imported document, account number in the analytical format is automatically replaced by IBAN.

   - **PAYER_COMMISSION_BANK_MFO** — MFO code of the servicing bank in which account specified in the $PAYER\_CMMISSION\_ACCOUNT$ field is opened. Ignored – in the imported document, this field is always filled in with the MFO code from the information of client's account number for the withdrawal of commission for CSS.

   - **PAYER_COMMISSION_BANK_NAME** — name of the servicing bank in which account specified in the $PAYER\_COMMISSION\_ACCOUNT$ field is opened. Not more than 140 characters. Ignored – in the imported document this field is filled in by bank name from the MFO directory according to the specified MFO code. Required field is configured by bank separately for each type of type of charge.

   - **ONFLOW_TYPE** — name of the type of charge, not more than 65 characters. Value should correspond to the value from list of types of charge. Required.

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[1]If for the specified type of charge is not set separately account number for write-off of commission for CSS.

- **AMOUNT** — document amount. Number in which no more than 10 digits in the integer part and 2 digits in the fractional part. Separator of the integer and fractional parts – point. Ignored - in the imported document this field is always filled by total amount of charges for all employees in the table part of document.

- **VALUE_DATE** — value date in format «DD.MM.YYYY». Cannot be equal to document date and exceed 10 days from it. Optional.

- **PERIOD** — charge period, no more than 60 characters. Required field is configured by bank separately for each type of type of charge.

2. Fields of the table part of document – list of employees. Before each field name, you must add sequence number of employee in the list in following format: *CARD_HOLDERS.N.*, where N is the sequence number **(starting with 0)**. For example, CARD_HOLDERS.0.CARD_NUM is the SCA number of the first employee in the list.

- **CARD_NUM** — employee SCA number, not more than 29 characters. Checks for the presence of values in the employee directory (standart within the bank and directory of employees whose accounts are opened in other banks). Required.

- **CARD_HOLDER** — employee full name, not more than 80 characters. Ignored – in the imported document this field is always filled in from information in the employee reference of iBank 2 UA system.

- **CARD_HOLDER_INN** — employee ITN. Number from 9 to 10 characters. It is checked that in the employee directory of an employee with the specified SCA, ITN corresponds to the specified one. Required.

- **AMOUNT** — employee charge amount. Number in which no more than 10 digits in the integer part and 2 digits in the fractional part. Separator of the integer and fractional parts is point. Required.

Contents example of the payroll sheet import file:

```
Content-Type=doc/pay_sheet

DATE_DOC=
NUM_DOC=
CLN_OKPO=36484873
PAYER_ACCOUNT=UA773003350000026001236521254
PAYER_COMMISSION_ACCOUNT=UA523003350000026009632012548
ONFLOW_TYPE=Безналичное пополнение карточных счетов
AMOUNT=
VALUE_DATE=
PERIOD=
CARD_HOLDERS.0.CARD_NUM=UA243003350000026205263545874
CARD_HOLDERS.0.CARD_HOLDER=
CARD_HOLDERS.0.CARD_HOLDER_INN=1234567891
CARD_HOLDERS.0.AMOUNT=1600.00
CARD_HOLDERS.1.CARD_NUM=UA303003350000026205587420036
CARD_HOLDERS.1.CARD_HOLDER=
CARD_HOLDERS.1.CARD_HOLDER_INN=1234567892
CARD_HOLDERS.1.AMOUNT=1600.00
```

Card validity prolongation order

Structure of import file of the card validity prolongation order *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

1. Document fields:

   - **DATE_DOC** — document date in the «DD.MM.YYYY» format. Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

   - **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

   - **CLN_NAME** — client name, not more than 40 characters. For corporate clients is ignored – in the imported document this field is always filled in from information about client in the iBank 2 UA system. For finance control centers (FCC) field is required.

   - **PAYER_BANK_NAME** — name of the servicing bank, not more than 140 characters. Ignored – in the imported document this field is always filled in by name of bank from the MFO directory according to specified MFO code.

   - **PAYER_BANK_MFO** — MFO code of the serving bank. Number is strictly 6 characters. Number is strictly 6 characters. Checks for the presence of values in the MFO directory. Required.

2. Fields of the table part of document – list of employees. Before each field name, you must add sequence number of employee in the list in following format: *CARD_HOLDERS.N.*, where N is the sequence number (**starting with 0**). For example, CARD_HOLDERS.0.SKS_NUMBER is the SCA number of the first employee in the list.

   - **CARD_NUM** — employee card number. Number in which no more than 16 characters. Checks for the presence of value in the employee directory.

   - **CARD_HOLDER** — employee full name, not more than 80 characters. Ignored - in the imported document this field is always filled in from information in the employee directory of iBank 2 UA system.

   - **CARD_HOLDER_INN** — employee ITN. Number, 10 characters. It is checked that in the employee directory of the employee with specified card number, ITN corresponds to the specified one. Required.

   - **SKS_NUMBER** — employee SCA number, not more than 29 characters. Required.

   - **CARD_CURRENCY** — international three-letter currency code in which employee's SCA is open. It is checked that in employee directory of the employee with the specified card number, symbolic currency code of SCA corresponds to specified one. Required.

   - **CARD_HOLDER_ENG_NAME** — name on employee's card, no more than 80 characters. Ignored – in imported document this field is always filled in from employee information in employee directory in the iBank 2 UA system.

   - **CARD_EXPIRY_DATE** — expiration date of employee card in the format «DD.MM.YYYY». Ignored – in the imported document this field is always filled in from employee information in employee directory in the iBank 2 UA system.

Contents example of the card validity prolongation order import file:

```
Content-Type=doc/card_prolongation

DATE_DOC=01.06.2018
NUM_DOC=1
CLN_NAME=OOO "АЭЛИТА"
PAYER_BANK_MFO=300335
CARD_HOLDERS.0.CARD_NUM=5167585520126589
CARD_HOLDERS.0.CARD_HOLDER=
CARD_HOLDERS.0.CARD_HOLDER_INN=1234567894
CARD_HOLDERS.0.SKS_NUMBER=UA243003350000026205263545874
CARD_HOLDERS.0.CARD_CURRENCY=UAH
CARD_HOLDERS.0.CARD_HOLDER_ENG_NAME=
CARD_HOLDERS.0.CARD_EXPIRY_DATE=
CARD_HOLDERS.1.CARD_NUM=4620522365874585
CARD_HOLDERS.1.CARD_HOLDER=
CARD_HOLDERS.1.CARD_HOLDER_INN=1234567892
CARD_HOLDERS.1.SKS_NUMBER=UA303003350000026205587420036
CARD_HOLDERS.1.CARD_CURRENCY=UAH
CARD_HOLDERS.1.CARD_HOLDER_ENG_NAME=
CARD_HOLDERS.1.CARD_EXPIRY_DATE=
```

Fire staff order

Structure of import file of the fire staff order *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

1. Document fields:

   - **DATE_DOC** — document date in the «DD.MM.YYYY» format. Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

   - **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

   - **CLN_NAME** — client name, not more than 40 characters. For corporate clients is ignored – in the imported document this field is always filled in from information about client in the iBank 2 UA system. For finance control centers (FCC) field is required.

   - **PAYER_BANK_NAME** — name of the servicing bank, not more than 140 characters. Ignored – in the imported document this field is always filled in by name of bank from the MFO directory according to specified MFO code.

   - **PAYER_BANK_MFO** — MFO code of the serving bank. Number is strictly 6 characters. Number is strictly 6 characters. Checks for the presence of values in the MFO directory. Required.

2. Fields of the table part of document – list of employees. Before each field name, you must add sequence number of employee in the list in following format: *CARD_HOLDERS.N.*, where N is the sequence number (**starting with 0**). For example, CARD_HOLDERS.0.SKS_NUMBER is the SCA number of the first employee in the list.

   - **SKS_NUMBER** — employee SKS number, not more than 29 characters. Required.

- **CARD_HOLDER** — employee full name, not more than 80 characters. Ignored – in the imported document this field is always filled in from employee information in employee directory in the iBank 2 UA system.

- **CARD_HOLDER_INN** — employee ITN. Number, 10 digits. It is checked that in the employee directory of the employee with specified card number, ITN corresponds to the specified one. Required.

- **CARD_NUM** — employee card number. Number in which no more than 16 characters. Optional.

- **CARD_HOLDER_ENG_NAME** — name on the employee's card, no more than 80 characters. Optional.

Contents example of the fire staff order import file:

```
Content-Type=doc/fire_staff_order

DATE_DOC=01.06.2018
NUM_DOC=1
CLN_NAME=ООО "АЭЛИТА"
PAYER_BANK_MFO=300335
CARD_HOLDERS.0.SKS_NUMBER=UA243003350000026205263545874
CARD_HOLDERS.0.CARD_HOLDER=
CARD_HOLDERS.0.CARD_HOLDER_INN=1234567894
CARD_HOLDERS.0.CARD_NUM=
CARD_HOLDERS.0.CARD_HOLDER_ENG_NAME=
CARD_HOLDERS.1.SKS_NUMBER=UA303003350000026205587420036
CARD_HOLDERS.1.CARD_HOLDER=
CARD_HOLDERS.1.CARD_HOLDER_INN=1234567892
CARD_HOLDERS.1.CARD_NUM=
CARD_HOLDERS.1.CARD_HOLDER_ENG_NAME=
```

Card assignment order

Structure of import file of the card assignment order *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

1. Document fields:

   - **DATE_DOC** — document date in the «DD.MM.YYYY» format. Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

   - **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

   - **CLN_NAME** — client name, not more than 40 characters. For corporate clients is ignored – in the imported document this field is always filled in from information about client in the iBank 2 UA system. For finance control centers (FCC) field is required.

   - **PAYER_BANK_NAME** — name of the servicing bank, not more than 140 characters. Ignored – in the imported document this field is always filled in by name of bank from the MFO directory according to specified MFO code.

- **PAYER_BANK_MFO** — MFO code of the serving bank. Number is strictly 6 characters. Checks for the presence of values in the MFO directory. Required.

2. Fields of the table part of document – list of employees. Before each field name, you must add sequence number of employee in the list in following format: *CARD_HOLDERS.N.*, where N is the sequence number (**starting with 0**). For example, CARD_HOLDERS.0.SKS_NUMBER is the SCA number of the first employee in the list.

   - **CARD_HOLDER** — employee full name, not more than 80 characters. Required.
   - **CARD_HOLDER_INN** — ITN employee. Number, 10 digits. Required.
   - **CARD_NUM** — employee card number. Number in which no more than 16 characters. Required.
   - **SKS_NUMBER** — employee SCA number, not more than 29 characters. Required.
   - **CARD_HOLDER_ENG_NAME** — name on the employee's card, no more than 80 characters. Required.

Contents example of the card assignment order import file:

```
Content-Type=doc/assign_card_order

DATE_DOC=01.06.2018
NUM_DOC=1
CLN_NAME=ООО "АЭЛИТА"
PAYER_BANK_MFO=300335
CARD_HOLDERS.0.CARD_HOLDER=Колодачный Андрей Владимирович
CARD_HOLDERS.0.CARD_HOLDER_INN=1234567894
CARD_HOLDERS.0.CARD_NUM=4620585236582019
CARD_HOLDERS.0.SKS_NUMBER=UA243003350000026205263545874
CARD_HOLDERS.0.CARD_HOLDER_ENG_NAME=Kolodachniy Andrey Vladimirovich
CARD_HOLDERS.1.CARD_HOLDER=Демишев Константин Викторович
CARD_HOLDERS.1.CARD_HOLDER_INN=1234567893
CARD_HOLDERS.1.CARD_NUM=4620558701239680
CARD_HOLDERS.1.SKS_NUMBER=UA303003350000026205587420036
CARD_HOLDERS.1.CARD_HOLDER_ENG_NAME=Demishev Konstantin Viktorovich
```

Payment order in foreign currency

Structure of import file of the payment order in foreign currency *identical* for corporate clients and finance control centers (FCC). Fields composition of import file and logic of their filling are different for documents in Russian rubles and any other currency.

Fields of the import file are described below:

- **DATE_DOC** — document date in the format «DD.MM.YYYY». Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

- **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

- **CLN_BNK_MFO** — MFO code of the payer bank. Ignored – in the imported document, this field is always filled in with the MFO code from the client account information.

- **CLN_BNK_NAME** — payer bank name, not more than 140 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **CLN_BNK_BIC_TYPE** — payer bank type of identification code, not more than 8 characters. Ignored – in the imported document this field in is always filled in by value «SWIFT».

- **CLN_BNK_BIC** — payer bank identification code, not more than 15 characters. Optional.

- **CLN_BNK_COUNTRY** — payer bank country name, not more than 70 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **CLN_BNK_CITY** — payer bank city, not more than 70 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **CLN_BNK_ADDR** — payer bank address, not more than 140 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **CLN_NAME** — payer name in English, not more than 40 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_OKPO** — payer EDRPOU code. Number from 8 to 10 characters. For corporate clients is ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system. For finance control centers (FCC) field is required.

- **CLN_COUNTRY** — payer country, not more than 70 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_CITY** —payer city, not more than 70 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_ADDR** — payer address, not more than 140 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_RESIDENT** — payer residency. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_EMPLOYEE_FIO** — full name of authorized employee, not more than 40 characters. Optional.

- **CLN_EMPLOYEE_PHONE** — phone number of authorized employee, no more than 20 characters. Optional.

- **CLN_ACCOUNT** — number of payer's currency account. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **AMOUNT** — payment amount. Number in which no more than 10 digits in the integer part and up to 6 digits in fractional part (depending on the currency of payment). Separator of integer and fractional parts is point. Required.

- **AMOUNT_CURRENCY** — international three-character code of payment currency. It checks presence in currency directory, as well as whether client has account with specified number and currency. Required.

- **AMOUNT_CURRENCY_CODE** — three-digit numeric code of payment currency. It should be fill value «643» for documents in the currency «RUB», for documents in other currency ignored – in the imported document this field is always filled in from currency directory according to symbolic code of payment currency.

- **CURRENCY_DATE** — value date in «DD.MM.YYYY» format. It can't be more than 10 days from the date of the document. Optional.

- **INTERMED_BNK_NAME** — name of intermediary bank, not more than 140 characters. Required, if in the import document the field *RCPT_BNK_ACCOUNT* is filled in. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *INTERMED_BNK_BIC* is filled in.

- **INTERMED_BNK_BIC_TYPE** — intermediary bank type of identification code. Ignored – in the imported document this field is always filled in value «SWIFT».

- **INTERMED_BNK_BIC** — intermediary bank identification code, not more than 11 characters. Optional. It is checked for compliance with entry in the SWIFT directory. Required for documents in currency other than «RUB», if in the import document the field *RCPT_BNK_ACCOUNT* is filled in and the field *INTERMED_BNK_KLIR_KOD_TYPE* is not filled in.

- **INTERMED_BNK_COUNTRY** — country of the intermediary bank, not more than 70 characters. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *INTERMED_BNK_BIC* is filled in, or from the country information in the country directory, if in the import document the field *INTERMED_BNK_COUNTRY_CODE* is filled in.

- **INTERMED_BNK_COUNTRY_CODE** — three-digit numeric country code of intermediary bank. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *INTERMED_BNK_BIC* is filled in. Optional, checks for the presence in the country directory, if in the import document the field *INTERMED_BNK_BIC* is not filled in.

- **INTERMED_BNK_CITY** — city of the intermediary bank, not more than 70 characters. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *INTERMED_BNK_BIC* is filled in.

- **INTERMED_BNK_ADDR** — address of the intermediary bank, not more than 140 characters. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *INTERMED_BNK_BIC* is filled in.

- **INTERMED_BNK_KLIR_KOD_TYPE** — type of clearing code of the intermediary bank. The field ignored and is not filled for documents in currency «RUB». Required for documents in other currency, if in the import document the field *RCPT_BNK_ACCOUNT* is filled in and the field *INTERMED_BNK_BIC* is not filled in. Valid values are: «AT», «AU», «BL», «CC», «CH», «CN», «CP», «ES», «FW», «GR», «HK», «IE», «IN», «IT», «PL», «PT», «RU», «SC», «SW».

- **INTERMED_BNK_KLIR_KOD** — clearing code of the intermediary bank. The field ignored and is not filled for documents in currency «RUB». Required for documents in other currency, if in

the import document the field *INTERMED_BNK_KLIR_KOD_TYPE* is filled in. A number, which length depends on value of the field *INTERMED_BNK_KLIR_KOD_TYPE*:

- **AT** — 5 characters;
- **AU** — 6 characters;
- **BL** — 8 characters;
- **CC** — 9 characters;
- **CH** — 6 characters;
- **CN** — from 12 to 14 characters;
- **CP** — 4 characters;
- **ES** — 8 or 9 characters;
- **FW** — 9 characters;
- **GR** — 7 characters;
- **HK** — 3 characters;
- **IE** — 6 characters;
- **IN** — 11 any symbols;
- **IT** — 10 characters;
- **PL** — 8 characters;
- **PT** — 8 characters;
- **RU** — 9 characters;
- **SC** — 6 characters;
- **SW** — from 3 to 6 characters.

- **RCPT_BNK_NAME** — name of the beneficiary's bank, not more than 140 characters. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *INTERMED_BNK_BIC* is filled in. Required, if in the import document the field *RCPT_BNK_BIC* is not filled in.

- **RCPT_BNK_BIC_TYPE** — beneficiary's bank type of identification code. Ignored – in the imported document this field is always filled in value «SWIFT».

- **RCPT_BNK_BIC** — identification code of the beneficiary's bank, not more than 11 characters. Optional.

- **RCPT_BNK_ACCOUNT** — beneficiary's bank account number, not more than 50 characters. Required, if in the import document the fields *RCPT_BNK_KLIR_KOD* and *RCPT_BNK_BIC* are not filled in.

- **RCPT_BNK_COUNTRY** — beneficiary's bank country, not more than 70 characters. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *RCPT_BNK_BIC* is filled in, or from the country information in the country directory, if in the import document the field *RCPT_BNK_COUNTRY_CODE* is filled in.

- **RCPT_BNK_COUNTRY_CODE** — three-digit numerical code of the beneficiary's bank country. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *RCPT_BNK_BIC* is filled in. Optional, checks for the presence in the country directory, if in the import document the field *RCPT_BNK_BIC* is not filled in.

- **RCPT_BNK_CITY** — beneficiary's bank city, not more than 70 characters. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *RCPT_BNK_BIC* is filled in. Required, if in the import document the field *RCPT_BNK_BIC* is not filled in.

- **RCPT_BNK_ADDR** — beneficiary's bank address, not more than 140 characters. Ignored – in the imported document this field is filled in from the bank information in the SWIFT directory, if in the import document the field *RCPT_BNK_BIC* is filled in. Optional, if in the import document the field *RCPT_BNK_BIC* is not filled in.

- **RCPT_BNK_KLIR_KOD_TYPE** — type of clearing code of the beneficiary's bank. Ignored for documents in currency «RUB» – in the imported document this field is always filled in value «RU». Optional for documents in other currency. Valid values are:«AT», «AU», «BL», «CC», «CH», «CN», «CP», «ES», «FW», «GR», «HK», «IE», «IN», «IT», «PL», «PT», «RU», «SC», «SW».

- **RCPT_BNK_KLIR_KOD** — clearing code of the beneficiary's bank. Required for documents in currency «RUB». Required for documents in other currency, if in the import document the field *RCPT_BNK_KLIR_KOD_TYPE* is filled in. A number, which length depends on value of the field *RCPT_BNK_KLIR_KOD_TYPE*:

  - **AT** — 5 characters;
  - **AU** — 6 characters;
  - **BL** — 8 characters;
  - **CC** — 9 characters;
  - **CH** — 6 characters;
  - **CN** — from 12 to 14 characters;
  - **CP** — 4 characters;
  - **ES** — 8 or 9 characters;
  - **FW** — 9 characters;
  - **GR** — 7 characters;
  - **HK** — 3 characters;
  - **IE** — 6 characters;
  - **IN** — 11 any symbols;
  - **IT** — 10 characters;
  - **PL** — 8 characters;
  - **PT** — 8 characters;
  - **RU** — 9 characters;
  - **SC** — 6 characters;
  - **SW** — from 3 to 6 characters.

- **RCPT_NAME** — beneficiary's name, not more than 140 characters. Required.

- **RCPT_ACCOUNT** — beneficiary's account, not more than 50 characters. Required.

- **RCPT_BNK_IBAN** — beneficiary's IBAN, not more than 34 characters. Optional. The field is not filled for documents in currency «RUB».

- **RCPT_COUNTRY** — beneficiary's country, not more than 70 characters. Ignored – in the imported document this field is filled in from the country information in country directory (country search is performed in the field *RCPT_COUNTRY_CODE*).

- **RCPT_COUNTRY_CODE** — three-digit numerical code of beneficiary's country. Required. Checks for presence in the directory of country with specified code and name.

- **RCPT_CITY** — beneficiary's city, not more than 70 characters. Required.

- **RCPT_ADDR** — beneficiary's address, not more than 140 characters. Optional.

- **RCPT_RESIDENT** — beneficiary's residency. Possible values: «0» – is non-resident, «1» – is resident. Ignored, if in the imported document the value of the field *RCPT_COUNTRY_CODE* is different, than «804».

- **RCPT_INN** — beneficiary's ITN. Required for documents in «RUB» currency. Number of 9, 10 or 12 digits, if in import file the value of the field **RCPT_COUNTRY_CODE** is «112» (Belarus), or number of 10 or 12 digits, if the value of the field **RCPT_COUNTRY_CODE** is not «112». In another currency field is not filled in.

- **RCPT_KPP** — beneficiary's KPP code. Number of 9 digits. Optional for documents in currency «RUB», for other currency – value of the field ignored and isn't filled in.

- **PAYMENT_DETAILS** — payment details, no more than 140 characters. For documents in «RUB» currency at beginning of the field you must specify code of transaction type *'(VONNNNN)'* or *'(VONNNNN)'PS*, where *NNNNN* is a five-digit numeric currency operation code. Required.

- **EXPENSE_TYPE** — payment option for commission, no more than 80 characters. Required. Possible values: «at the expense of payer (OUR)», «at the expense of beneficiary (BEN)», «at the expense of payer and beneficiary (SHA)».

- **EXPENSE_ACCOUNT** — account number for commission write-off. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN. Required if commission is charged (field *EXPENSE_TYPE*) is «at the expense of payer (OUR)» or «at the expense of payer and beneficiary (SHA)». Isn't filled in with option of write-off commission «at the expense of beneficiary (BEN)».

- **PAYMENT_SPEED** — payment urgency, not more than 13 characters. Possible values are: «Regular», «Urgent», «Extra urgent». Required.

- **PAYMENT_ADDED_INFO** — additional information, not more than 210 characters. Optional.

- **OPCODE** — operation code. Number in which no more than 4 characters.

Contents example of the payment order in currency other, than the Russian ruble, import file:

```
Content-Type=doc/ua_currency_payment

DATE_DOC=
NUM_DOC=
CLN_BNK_MFO=
CLN_BNK_BIC=AVALUAUK
CLN_EMPLOYEE_FIO=
```

```
CLN_EMPLOYEE_PHONE=
CLN_OKPO=85201254
CLN_ACCOUNT=UA773003350000026001236521254
AMOUNT=1200.99
AMOUNT_CURRENCY=EUR
CURRENCY_DATE=
INTERMED_BNK_NAME=
INTERMED_BNK_BIC=AVALUAUK
INTERMED_BNK_COUNTRY_CODE=
INTERMED_BNK_COUNTRY=
INTERMED_BNK_CITY=
INTERMED_BNK_ADDR=
INTERMED_BNK_KLIR_KOD_TYPE=AT
INTERMED_BNK_KLIR_KOD=12345
RCPT_BNK_NAME=
RCPT_BNK_BIC=AVALUAUK
RCPT_BNK_ACCOUNT=26302365785201
RCPT_BNK_COUNTRY_CODE=804
RCPT_BNK_COUNTRY=
RCPT_BNK_CITY=
RCPT_BNK_ADDR=
RCPT_BNK_KLIR_KOD_TYPE=AT
RCPT_BNK_KLIR_KOD=12345
RCPT_NAME=John Peterson Company
RCPT_ACCOUNT=3255201236985
RCPT_BNK_IBAN=
RCPT_COUNTRY_CODE=826
RCPT_COUNTRY=
RCPT_CITY=London
RCPT_ADDR=
RCPT_RESIDENT=
PAYMENT_DETAILS=Details
EXPENSE_TYPE=at the expense of  payer (OUR)
EXPENSE_ACCOUNT=UA523003350000026009632012548
PAYMENT_SPEED=Regular
PAYMENT_ADDED_INFO=
OPCODE=1111
```

Contents example of the payment order in **«RUB»** currency import file:

```
Content-Type=doc/ua_currency_payment

DATE_DOC=
NUM_DOC=
CLN_BNK_MFO=
CLN_EMPLOYEE_FIO=
CLN_EMPLOYEE_PHONE=
CLN_OKPO=85210236
CLN_ACCOUNT=UA773003350000026001236521254
AMOUNT=100.998
AMOUNT_CURRENCY=RUB
```

```
AMOUNT_CURRENCY_CODE=643
CURRENCY_DATE=
INTERMED_BNK_NAME=
INTERMED_BNK_BIC=AVALUAUKXXX
INTERMED_BNK_COUNTRY_CODE=
INTERMED_BNK_COUNTRY=
INTERMED_BNK_CITY=
INTERMED_BNK_ADDR=
RCPT_BNK_NAME=
RCPT_BNK_BIC=AVALUAUKZHI
RCPT_BNK_KLIR_KOD=987654321
RCPT_BNK_ACCOUNT=260012345
RCPT_BNK_COUNTRY_CODE=
RCPT_BNK_COUNTRY=
RCPT_BNK_CITY=
RCPT_BNK_ADDR=
RCPT_NAME=ООО РУСПРОМ
RCPT_ACCOUNT=652012365874
RCPT_COUNTRY_CODE=643
RCPT_COUNTRY=
RCPT_CITY=Астрахань
RCPT_ADDR=ул. Морозная, 5
RCPT_INN=1234567899
RCPT_KPP=123456789
RCPT_RESIDENT=
PAYMENT_DETAILS='(VO12345)'
EXPENSE_TYPE=at the expense of  payer (OUR)
EXPENSE_ACCOUNT=UA523003350000026009632012548
PAYMENT_SPEED=Urgent
PAYMENT_ADDED_INFO=
OPCODE=1234
```

Payment within the Bank

Structure of import file of the payment within the Bank *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **DATE_DOC** — document date in the format «DD.MM.YYYY». Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

- **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

- **AMOUNT** — payment amount. Number in which no more than 10 digits in the integer part and up to 4 digits in fractional part (depending on the currency of payment). Separator of integer and fractional parts is point. Required.

- **AMOUNT_CURRENCY** — international three-character code of payment currency. It checks presence in currency directory, as well as whether client has account with specified number and currency. Required.

- **CLN_BNK_NAME** — payer bank name, not more than 140 characters. Ignored – in the imported document this field is always filled in with information about relevant bank in the iBank 2 UA system.

- **CLN_BANK_MFO** — payer bank MFO code. Ignored – in the imported document, this field is always filled in with the MFO code from the client account information.

- **CLN_BNK_ADDR** — payer bank address, not more than 140 characters. Ignored – in the imported document this field is always filled in from relevant bank information in the iBank 2 UA system (bank is searched by field of the payer bank MFO code).

- **CLN_NAME** —payer name, not more than 40 characters. Required.

- **CLN_OKPO** — payer EDRPOU code. Number from 8 to 10 characters. Required.

- **CLN_ACCOUNT** — payer currency account number. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has account with specified currency and number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **CLN_ADDR** — payer address, not more than 80 characters. Ignored - in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_RESIDENT** — payer resident mark. Ignored - in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_COUNTRY** — payer country, not more than 70 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **RCPT_NAME** — recipient name, not more than 40 characters. Required.

- **RCPT_OKPO** — recipient EDRPOU code. Number from 8 to 10 characters. Required.

- **RCPT_ACCOUNT** — recipient account. It can be specified only in the IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code). Required.

- **RCPT_BNK_NAME** — recipient bank name, not more than 140 characters. Ignored – in the imported document this field is always filled in with information about relevant bank in the iBank 2 UA system.

- **RCPT_BANK_MFO** — recipient bank MFO code. Ignored – in the imported document, this field is always filled in with the MFO code as part of IBAN of recipient account.

- **RCPT_BNK_ADDR** — recipient bank address, not more than 140 characters. Ignored – in the imported document this field is always filled in with information about relevant bank in the iBank 2 UA system (bank is searched by field of recipient bank MFO code).

- **RCPT_RESIDENT** — recipient resident mark. Possible values: «1» is resident, «0» is non-resident. Required.

- **PAYMENT_DETAILS** — payment details, not more than 160 characters. Required.

- **CURRENCY_DATE** — value date in «DD.MM.YYYY» format. It can't be more than 10 days from the date of the document. Optional.

- **COMMISSION_ACCOUNT** — account charge the commission. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **AMOUNT_CURRENCY_CODE** — three-digit numeric payment currency code. Ignored – in the imported document this field is always filled in from currency directory according to symbolic payment code.

Contents example of the payment within the Bank import file:

```
Content-Type=doc/ua_intrabank_currency_payment

NUM_DOC=
DATE_DOC=
AMOUNT=1200.99
AMOUNT_CURRENCY=USD
CLN_NAME=ТОВ ТЕМП
CLN_OKPO=52102368
CLN_ACCOUNT=UA773003350000026001236521254
CLN_BANK_MFO=
RCPT_NAME=ТОВ "Импорт"
RCPT_OKPO=96320125
RCPT_ACCOUNT=UA623003350000026009850123658
RCPT_BANK_MFO=
PAYMENT_DETAILS=Details
CURRENCY_DATE=
RCPT_COUNTRY_CODE=
CLN_COUNTRY_CODE=
RCPT_RESIDENT=1
COMISSION_ACCOUNT=UA213003350000026002548523698
```

Currency sale order

Structure of import file of the currency sale order *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **DATE_DOC** — document date in the format «DD.MM.YYYY». Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

- **NUM_DOC** — document number, not more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

- **CLN_NAME** — client name, not more than 40 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_ADDR** — client address, no more than 80 characters. Ignored - in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_PHONES** — client contact phone, not more than 20 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_EMPLOYEE_FIO** — full name of authorized employee, not more than 40 characters. Optional.

- **CLN_EMPLOYEE_PHONE** — phone number of authorized employee, no more than 20 characters. Optional.

- **CLN_OKPO** — client EDRPOU code. Number from 8 to 10 characters. Required.

- **BNK_NAME** — authorized bank name, not more than 140 characters. Ignored – in the imported document this field is always filled in from MFO directory according to the specified MFO code.

- **BNK_MFO** — authorized bank MFO code. Ignored – in the imported document, this field is always filled in with the MFO code from the information of account for write-off foreign currency ($SALE\_ACCOUNT$ field).

- **SALE_SUM** — amount of foreign currency sale. Number in which no more than 10 characters in the integer part and up to 4 characters in the fractional part (depending on the currency). Separator of the integer and fractional parts is point. Required.

- **SALE_CURRENCY** — international three-letter code of foreign currency. Required.

- **SALE_ACCOUNT** — account number for write-off foreign currency. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **SALE_RATE_KIND** — type of foreign currency sale rate. Required. Possible values: «by rate», «by rate of the bank».

- **SALE_RATE** — foreign currency sale rate. Number in which no more than 4 digits in the integer part and 4 digits in the fractional part. Separator of the integer and fractional parts is point. Required for rate type ($SALE\_RATE\_KIND$ field) is «by rate».

- **PURCHASE_SUM** — amount of Ukrainian hryvnia, which will be credited as a result of sale of foreign currency. Number in which no more than 10 digits in the integer part and 2 digits in fractional part. Separator of the integer and fractional parts is point. Optional. The field is not filled in, when rate kind ($SALE\_RATE\_KIND$ field) is «by rate».

- **PURCHASE_ACCOUNT** — account number to enroll Ukrainian hryvnia. It can be specified only in the IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code). Required. Account number may be not registered in the iBank 2 UA system as client account.

- **PURCHASE_BNK_NAME** — bank name in which opened account to enroll Ukrainian hryvnia, not more than 140 characters. Ignored – in the imported document this field is always filled in from the MFO directory according to specified MFO code.

- **PURCHASE_BNK_MFO** — bank MFO code in which opened account to enroll Ukrainian hryvnia. Ignored – in the imported document, this field is always filled in with the MFO code as part of IBAN.

- **RETURN_ACCOUNT** — account number for returning foreign currency. Specify the account number for write-off foreign currency (field *SALE_ACCOUNT*). Required.

- **SALE_CODE_REASON** — currency sale target code. Valid values are: «211», «212», «213», «214», «215», «216», «218», «219», «220», «237», «238».

- **SALE_REASON** — currency sale target. Ignored – in the imported document this field is always filled in currency sale text according to value of code in the field *SALE_CODE_REASON*:

  - **211** — sold currency proceeds;
  - **212** — sold investment funds;
  - **213** — sold a loan issued by the bank to the client;
  - **214** — sold foreign currency, previously purchased on the currency market of Ukraine, which was not used for its intended purpose, including returned by a non-resident due to failure to fulfill its last obligations;
  - **215** — sold own funds (including currency sold in order to reduce the bank's foreign exchange position);
  - **216** — sold for another purpose;
  - **218** — sold loan funds received by the bank from a non-resident;
  - **219** — sold loan funds received by the client of the bank from a non-resident;
  - **220** — sold foreign currency, which was not bought in the foreign exchange market of Ukraine, was transferred to a non-resident and returned in connection with the latter's failure to fulfill its obligations;
  - **237** — sold proceeds from transfers in favor of individuals at current currency non-trading operations;
  - **238** — sold to repay deposits / repay savings (deposit) certificates in foreign currency committed in national currency.

    Attention!

    The directory of currency sale target is configured on the bank side and can be other, than above. The actual directory is displayed in the screen form of the document.

- **VALUE_DATE** — value date in. Possible values are: «today», «tomorrow», «spot». If the value in the import file is not set, this field in the imported document would be filled in the value «today».

Contents example of the sale currency order import file:

```
Content-Type=doc/ua_currency_sale

DATE_DOC=
NUM_DOC=
CLN_EMPLOYEE_FIO=
CLN_EMPLOYEE_PHONE=
BNK_MFO=
SALE_SUM=1200.99
SALE_CURRENCY=USD
SALE_ACCOUNT=UA213003350000026002548523698
SALE_RATE_KIND=by rate of the bank
```

```
SALE_RATE=
PURCHASE_SUM=
PURCHASE_ACCOUNT=UA203003350000026002145870023
PURCHASE_BNK_MFO=300335
RETURN_ACCOUNT=UA213003350000026002548523698
SALE_CODE_REASON=212
VALUE_DATE=tomorrow
CLN_OKPO=96521587
```

Currency purchase order

Structure of import file of the currency purchase order *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **DATE_DOC** — document date in the format «DD.MM.YYYY». Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

- **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

- **CLN_NAME** — client name, not more than 40 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_PHONES** — client contact phone, no more than 20 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_OKPO** — client EDRPOU code. Number from 8 to 10 characters. Required.

- **CLN_EMPLOYEE_FIO** — full name of authorized employee, not more than 40 characters. Optional.

- **CLN_EMPLOYEE_PHONE** — phone number of authorized employee, no more than 20 characters. Optional.

- **PURCHASE_REASON** — basis for foreign currency purchase, no more than 255 characters. Required.

- **BNK_NAME** — authorized bank name, not more than 140 characters. Ignored – in the imported document this field is always filled in from the MFO directory according to specified MFO code.

- **BNK_MFO** — authorized bank MFO code. Ignored – in the imported document, this field is always filled in with the MFO code from the information of write-off account ($SALE\_ACCOUNT\_FROM$ field).

- **BNK_ADDR** — authorized bank address, not more than 80 characters. Ignored – in the imported document this field is always filled in by information about bank in the iBank 2 UA system (bank is searched by authorized bank MFO field).

- **SALE_SUM** — amount of Ukrainian hryvnia for purchase of foreign currency. Number in which no more than 10 digits in the integer part and 2 digits in the fractional part. Separator of the integer and fractional parts is point.

- **PURCHASE_SUM** — amount of purchased foreign currency. Number in which no more than 10 digits in the integer part and up to 4 digits in fractional part (depending of the currency). Separator of integer and fractional parts is point. Required.

- **PURCHASE_CURRENCY** — international three-letter code of foreign currency. Required.

- **PURCHASE_RATE_KIND** — type of purchase rate of foreign currency, not more than 30 characters. Required. Possible values are: «by rate», «by rate of the bank».

- **PURCHASE_RATE** — foreign currency purchase rate. Number in which no more than 4 digits in the integer part and 4 digits in fractional part. Separator of integer and fractional parts is point. Required for rate type (*PURCHASE_RATE_KIND* field) «by rate».

- **PURCHASE_ACCOUNT** — account number for enroll foreign currency. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **PURCHASE_BNK_NAME** — bank name in which account for enroll foreign currency is opened, not more than 140 characters. Ignored – in the imported document this field is filled in from the MFO directory according to specified MFO code.

- **PURCHASE_BNK_MFO** — bank MFO code in which account for enroll foreign currency is opened. Ignored – in the imported document, this field is always filled in with the MFO code from the information of account for enroll foreign currency (*PURCHASE_ACCOUNT* field). It must be accorded with bank MFO in which the accounts for write-off of Ukrainian hryvnias checked are opened (the field *BNK_MFO*).

- **RETURN_ACCOUNT** — account number for returning Ukrainian hryvnia. It can be specified only in the IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code). Required. Account number may be not registered in the iBank 2 UA system as client account.

- **RETURN_BNK_NAME** — bank name in which account for returning Ukrainian hryvnia is opened, not more than 140 characters. Ignored – in the imported document this field is always filled in from the MFO directory according to specified MFO code.

- **RETURN_BNK_MFO** — bank MFO code in which account for returning Ukrainian hryvnia is opened. Ignored – in the imported document, this field is always filled in with the MFO code as part of IBAN.

- **SALE_ACCOUNT_FROM** — account number to write-off Ukrainian hryvnia. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

Contents example of the purchase currency order import file:

```
Content-Type=doc/ua_currency_purchase

DATE_DOC=
NUM_DOC=
CLN_OKPO=58412036
CLN_EMPLOYEE_FIO=
CLN_EMPLOYEE_PHONE=
```

```
PURCHASE_REASON=Purchase Reason
BNK_MFO=
PURCHASE_SUM=1200.00
PURCHASE_CURRENCY=EUR
PURCHASE_RATE_KIND=by rate of the bank
PURCHASE_RATE=
PURCHASE_ACCOUNT=UA653003350000026006320785200
PURCHASE_BNK_MFO=
RETURN_ACCOUNT=UA943217450000026002145870023
RETURN_BNK_MFO=
SALE_ACCOUNT_FROM=UA413003350000026004100123698
```

Currency conversion order

Structure of import file of the currency conversion order *identical* for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **DATE_DOC** — document date in the format «DD.MM.YYYY». Optional. Field will be automatically filled by current date if date of the document is not set in the import file.

- **NUM_DOC** — document number, no more than 10 characters. Optional. This field in the imported document will be filled in according to the automatic numbering if you do not specify value in the import file.

- **CLN_NAME** — client name, not more than 40 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_OKPO** — client EDRPOU code. Number from 8 to 10 characters. Required.

- **CLN_ADDR** — client address, not more than 80 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_PHONES** — client contact phone, not more than 20 characters. Ignored – in the imported document this field is always filled in from client information in the iBank 2 UA system.

- **CLN_EMPLOYEE_FIO** — full name of authorized employee of the company, not more than 40 characters. Optional.

- **CLN_EMPLOYEE_PHONE** — phone number of authorized employee of the company, no more than 20 characters. Optional.

- **PURCHASE_REASON** — base for currency convert, not more than 255 characters. Required.

- **BNK_NAME** — authorized bank name, not more than 140 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **BNK_MFO** — authorized bank MFO code. Ignored – in the imported document, this field is always filled in with the MFO code from the client account information.

- **BNK_ADDR** — authorized bank address, not more than 80 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **SALE_SUM** — amount of foreign currency that is sold. Number in which no more than 10 digits in the integer part and up to 4 digits in fractional part (depending on the currency). Separator of the integer and fractional parts is point. Required, if in the import file the field *PURCHASE_SUM*

is not filled in. If the field is completed and value of the field *PURCHASE_RATE_KIND* «by rate», the correctness of the calculation for the entered amount in the imported document is not checked.

- **SALE_CURRENCY** — international three-letter currency code that is sold. Required.

- **SALE_ACCOUNT** — account number for write-off foreign currency. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **SALE_BNK_NAME** — bank name in which opened account to write-off foreign currency, not more than 140 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **SALE_BNK_MFO** — bank MFO code in which opened account to write-off foreing currency. Ignored – in the imported document, this field is always filled in with the MFO code from the information of write-off account (*SALE_ACCOUNT* field).

- **PURCHASE_SUM** — amount of foreign currency that is purchased. Number in which no more than 10 digits in the integer part and up to 4 digits in fractional part (depending on the currency). Separator of integer and fractional parts is point. Required, if in the import file the field *SALE_SUM* is not filled in. If field is completed and value of field *PURCHASE_RATE_KIND* «by rate», the correctness of the calculation for the entered amount in the imported document is not checked.

- **PURCHASE_CURRENCY** — international three-character code of foreign currency that is purchased. Required.

- **PURCHASE_RATE_KIND** — type of purchase rate of foreign currency, not more than 30 characters. Required. Possible values: «by rate», «by rate of the bank».

- **PURCHASE_RATE** — foreign currency purchase rate. Number in which no more than 4 characters in the integer part and 6 characters in fractional part. Separator of integer and fractional parts is point. Required for rate kind (*PURCHASE_RATE_KIND* field) is «by rate».

- **PURCHASE_ACCOUNT** — account number for enroll foreign currency. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a account with specified currency and number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **PURCHASE_BNK_NAME** — bank name in which account for enroll foreign currency is opened, not more than 140 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **PURCHASE_BNK_MFO** — bank MFO code in which account for enroll foreign currency is opened. Ignored – in the imported document, this field is always filled in with the MFO code from the information of enroll account (*PURCHASE_ACCOUNT* field).

- **COMMISSION_ACCOUNT** — account number for commission transfer. It can be specified in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). Required. Checks if client has a hryvnia account with specified number. In the imported document, the account number in the analytical format is automatically replaced by IBAN.

- **COMMISSION_BNK_NAME** — bank name in which account for write-off commission is opened, not more than 140 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **COMMISSION_BNK_MFO** — bank MFO code in which account for write-off commission is opened. Ignored – in the imported document, this field is always filled in with the MFO code from the information of commission account (*COMMISSION_ACCOUNT* field).

- **COMMISSION_BNK_ADDR** — bank address in which account for write-off commission is opened, not more than 80 characters. Ignored – in the imported document this field is always filled in from information of relevant bank in the iBank 2 UA system.

- **RETURN_ACCOUNT** — account number for returning foreign currency. Specify the account number for write-off foreign currency (field *SALE_ACCOUNT*). Required.

Contents example of the conversion currency order import file:

```
Content-Type=doc/ua_currency_convert

DATE_DOC=
NUM_DOC=
CLN_OKPO=85201236
CLN_EMPLOYEE_FIO=
CLN_EMPLOYEE_PHONE=
PURCHASE_REASON=Reason
BNK_MFO=
SALE_SUM=1100.00
SALE_CURRENCY=USD
SALE_ACCOUNT=UA773003350000026001236521254
SALE_BNK_NAME=
SALE_BNK_MFO=
PURCHASE_SUM=1000.00
PURCHASE_CURRENCY=EUR
PURCHASE_RATE_KIND=by rate of the bank
PURCHASE_RATE=
PURCHASE_ACCOUNT=UA203003350000026002145870023
PURCHASE_BNK_NAME=
PURCHASE_BNK_MFO=
COMMISSION_ACCOUNT=UA653003350000026006320785200
COMMISSION_BNK_NAME=
COMMISSION_BNK_MFO=
COMMISSION_BNK_ADDR=
RETURN_ACCOUNT=UA523003350000026009632012548
```

Recipients directory

Structure of import files for recipients directory for corporate clients and finance control centers (FCC) differs only in the value of directory type (**Content-Type** field): ref/recipient and ref/ua_mrecipient respectively. Fields of the import file are described below:

- **RCPT_INN** — correspondent EDRPOU or INN code. Number from 8 to 10 characters. Required.

- **RCPT_NAME** — correspondent name, from 3 to 40 characters. Required.

- **RCPT_ACCOUNT** — correspondent account number. It can be specified only in the IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code). Required.

- **RCPT_BANK_BIC** — MFO code of the bank where correspondent account is opened. Ignored – in the imported document this field is always filled in from the MFO code as part of the IBAN correspondent account.

- **RCPT_COUNTRY_CODE** — correspondent country of residence code. Number is strictly 3 characters. Optional.

- **RCPT_STREET** — Street (avenue, alley,etc) of the postal address of the correspondent, not more than 70 characters. Optional, if EDRPOU code of the correspondent is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_HOUSE_NUMBER** — building number of the postal address of the correspondent, not more than 16 characters. Required, if EDRPOU code of the correspondent is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_POSTCODE** — postal code of the postal address of the correspondent, not more than 16 characters. Optional, if EDRPOU code of the correspondent is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_OFFICE_NUMBER** — number of apartment or office of the postal address of the correspondent, not more than 70 characters. Optional, if EDRPOU code of the correspondent is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_CITY** — locality (city or vallage name, etc.) of the postal address of the correspondent, not more than 35 characters. Required, if EDRPOU code of the correspondent is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_DISTRICT** — district of apartment or office of the postal address of the correspondent, not more than 35 characters. Optional, if EDRPOU code of the correspondent is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_REGION** — region of apartment or office of the postal address of the correspondent, not more than 35 characters. Optional, if EDRPOU code of the correspondent is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_COUNTRY_LOCATION** — correspondent country code. Number is strictly 3 characters. Required, if EDRPOU code of the correspondent is 9 any digits. Else value of the field ignored and not fill.

- **RCPT_PASSP_SER** — series of correspondent passport, 2 characters. Required if correspondent is private person who has no ITN, but passport data are known (ITN indicates 10 zeros) and old-style passport format (passport series 2 characters and passport number 6 digits). If passport format is a new-style (passport number are 9 digits) – field is not filled. If correspondent is corporate client or an private person for whom ITN is specified, in the import file value in field is ignored.

- **RCPT_PASSP_NUM** — number of correspondent passport. Number, 6 characters for an old-style passport format or 9 characters for a new-style passport format. Required if correspondent is an private person who has no ITN, but passport details are known (ITN indicates 10 zeros). If correspondent is a corporate client or private person for whom ITN is specified, in the import file value in field is ignored.

- **PAYMENT_DETAILS** — payment details, from 3 characters. The maximum value of the field is configured on the bank side, but not more than 420 characters. Optional.

- **NOTE** — note, not more than 210 characters. Optional.

Contents example of the record of recipients directory corporate client import file:
`Content-Type=ref/recipient`

```
RCPT_INN=96566442
RCPT_NAME=ООО Финансы
RCPT_ACCOUNT=UA523003350000026009632012548
RCPT_BANK_BIC=300335
RCPT_COUNTRY_CODE=
RCPT_STREET=
RCPT_HOUSE_NUMBER=
RCPT_POSTCODE=
RCPT_OFFICE_NUMBER=
RCPT_CITY=
RCPT_DISTRICT=
RCPT_REGION=
RCPT_COUNTRY_LOCATION=
PAYMENT_DETAILS=Оказание посреднических услуг по договору №556/788 от 12.03.2014
NOTE=Обновленные реквизиты ООО Финансы.
```

Beneficiaries directory

Structure of import files for beneficiary directory for corporate clients and finance control centers (FCC) differs only in the value of directory type (Content-Type field): ref/beneficiar and ref/mbeneficiar respectively. Fields of the import file are described below:

- **INTERMED_BNK_NAME** — intermediary bank name, not more than 140 characters. Optional.

- **INTERMED_BNK_BIC** — intermediary bank identification code, not more than 15 characters. Optional.

- **INTERMED_BNK_BIC_TYPE** — intermediary bank type of identification code, not more than 8 characters. Optional. Possible values: «SWIFT» or empty value.

- **INTERMED_BNK_COUNTRY** — intermediary bank country name, not more than 40 characters. Optional.

- **INTERMED_BNK_CITY** — intermediary bank city, not more than 60 characters. Optional.

- **INTERMED_BNK_ADDR** — intermediary bank address, not more than 140 characters. Optional.

- **RCPT_BNK_NAME** — beneficiary's bank name, not more than 140 characters. Required.

- **_RCPT_ BNK_ ACCOUNT_** — beneficiary's bank account number, not more than 35 characters. Optional.

- **_RCPT_ BNK_ BIC_** — beneficiary's bank identification code, not more than 15 characters. Optional.

- **_RCPT_ BNK_ BIC_ TYPE_** — beneficiary's bank type of identification code, not more than 8 characters. Optional. Possible values: «SWIFT» or empty value.

- **_RCPT_ BNK_ COUNTRY_ CODE_** — three-digit numeric country code of the beneficiary's bank. Required.

- **_RCPT_ BNK_ COUNTRY_** — beneficiary's bank country name, not more than 40 characters. Required.

- **_RCPT_ BNK_ CITY_** — beneficiary's bank city, not more than 60 characters. Optional.

- **_RCPT_ BNK_ ADDR_** — beneficiary's bank address, not more than 140 characters. Optional.

- **_RCPT_ NAME_** — beneficiary name, not more than 140 characters. Required.

- **_RCPT_ ACCOUNT_** — beneficiary account number, not more than 34 characters. Must be filled out either beneficiary account or IBAN.

- **_RCPT_ BNK_ IBAN_** — beneficiary IBAN, not more than 34 characters. Must be filled out either beneficiary account or IBAN.

- **_RCPT_ COUNTRY_ CODE_** — three-digit numerical code of the beneficiary country. Required.

- **_RCPT_ COUNTRY_** — beneficiary country name, not more than 40 characters. Required.

- **_RCPT_ CITY_** — beneficiary city, not more than 60 characters. Required.

- **_RCPT_ ADDR_** — beneficiary address, not more than 140 characters.

Contents example of the record of beneficiary directory corporate client import file:

```
Content-Type=ref/beneficiar

INTERMED_BNK_NAME=TORONTO DOMINION INVESTMENTS LTD
INTERMED_BNK_BIC=TODNGB21XXX
INTERMED_BNK_BIC_TYPE=SWIFT
INTERMED_BNK_COUNTRY_CODE=826
INTERMED_BNK_COUNTRY=UNITED KINGDOM
INTERMED_BNK_CITY=LONDON
INTERMED_BNK_ADDR=LONDON EC2M 1DB TRITON COURT 14-18 FINSBURY SQUARE
RCPT_BNK_NAME=BANCA POPOLARE COMMERCIO E INDUSTRIA SPA
RCPT_BNK_ACCOUNT=100327501
RCPT_BNK_BIC=POCIITM1028
RCPT_BNK_BIC_TYPE=SWIFT
RCPT_BNK_COUNTRY_CODE=380
RCPT_BNK_COUNTRY=ITALY
RCPT_BNK_CITY=MILANO
RCPT_BNK_ADDR=20135 MILANO VIA SPARTACO, 12
RCPT_NAME=Valio Investments
RCPT_ACCOUNT=5800267964
```

```
RCPT_BNK_IBAN=
RCPT_COUNTRY_CODE=440
RCPT_COUNTRY=LITHUANIA
RCPT_CITY=VILNIUS
RCPT_ADDR=VILNIUS DIDZIOJI STREET 18/2
```

Import in DBF format

Import file in DBF format is a spreadsheet with extension **.dbf**, containing one or several records of payroll sheet document table part or records of employee directory (other banks). When you import document in DBF format which contains records of table part, new document form opens automatically in which table part of document is filled by information from import file. When importing file by finance control centers (FCC), you will additionally need to select subordinate client on whose behalf document will be created. You must fill in missing document fields to save document. Import records of employee directory (other banks) are similar to import in iBank 2 format.

> ***Attention!***
> Correctness of data from import file is checked when document is saved.

> ***Attention!***
> Import files in DBF format are available for viewing in any text editor, but for convenient viewing it is recommended to open them in specialized editors (for example, DBFView).

Payroll sheet

Structure of payroll import file is identical for corporate clients and finance control centers (FCC). List of fields is presented below:

Field name	Field format	Field value
Acct_card	String (up to 29 characters)	Employee SCA number
Fio	String (up to 50 characters)	Employee full name
Id_code	Number (10 characters)	Employee ITN
Suma	Number in which no more than 10 digits in the integer part and 2 digits in fractional part	Charge amount

Content example of import file with two employees of payroll sheet document table part:

Acct_card	Fio	Id_code	Suma
26205421021455	Иванов Иван Иванович	4554102145	7446,32
26205212002365	Петров Петр Петрович	5874012547	7442,09

Employee directory (other banks)

Structure of the file with exported employee directory (other banks) identical for corporate clients and finance control centers (FCC). Fields of the import file are described below:

Field name	Field format	Field value
Acct_card	String (up to 29 characters)	Employee SCA number

	String (up to 50 characters)	Employee full name
Fio	String (up to 50 characters)	Employee full name
Id_code	Number (10 characters)	Employee ITN

Content example of import file with two records of employee directory (other banks):

Acct_card	Fio	Id_code
UA063057490000026205366274839	Иванов Иван Иванович	0000000000
UA823057490000026207466372844	Петров Петр Петрович	5874012547

Import in Bank-Client format

Import file in Bank-Client format is a text file containing one or more documents. Following are requirements for import file:

- file name is given in format **rddhhmmN.NNN**, where:

  r — always latin letter "rr";
  dd — two digits to indicate day which file was created;
  hhmm — four digits to indicate time[1] – hours and minutes of file creation **N.NNN** — any four digits;

- data in file must be in CP1125 encoding (or its equivalent OEM-866);

- file contains a set of lines, each of which is a set of details of a separate settlement document;

- each line consists of fields, which are separated by symbol "·"(ASCII code 250).

Import in Bank-Client format is supported for following types of documents:

- Hryvnia payment order;

- Hryvnia payment request-order.

List of fields of import files in Bank-Client format is presented below:

Field number	Field format	Required	Field value
0	Number (1 character)	No	Service field, value is always 0
1	Number (up to 2 characters)	Yes	Type of payment document: 1 (hryvnia payment order), 11 (outcoming payment request-order), 11 (outgoing request of payment instruction)
2	Number (up to 10 characters)	No	Payment document number. If value is not set, it is filled in according to automatic numbering.
3	Number (8 characters)	No	Payment document date in YYYYMMDD date. If value is not set, it is filled in by date of import operation to iBank 2 UA system.

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[1]User himself imposes a semantic load on hours and minutes of file, but remember that different names must have different names

4	Number (6 characters)	No	Payer's bank MFO code. Ignored if the client account number is in the IBAN format – in the imported document, this field is always filled in with the MFO code as part of IBAN.
5	Number (6 characters)	Yes	Correspondent's* bank MFO code. Ignored – in the imported document, this field is always filled in with the MFO code as part of IBAN.
6	Number (from 5 to 14 characters) or 29 characters	Yes	Client's account number in analytical account format (from 5 to 14 characters) or IBAN (29 characters). Checks if client has an account with specified number and currency. In the imported document, the account number in the analytical format is automatically replaced by IBAN.
7	Number (from 5 to 14 characters) or 29 characters	Yes	Correspondent's* account number in IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code)
8	Number (to 12 characters)	Yes	Payment amount in kopecks
9	Number (1 character)	No	Cash transaction symbol (always 0)
10	String (from 3 to 40 characters)	Yes	Correspondent's* name
11	String (from 3 characters)	Yes	Payment details.The maximum value of the field is configured on the bank side, but not more than 420 characters. Does not fill for budget payments (in which additional information of the record of the structural payment details is filled). Required for non-budget payments.
12	Number (8 characters)	No	Value date in YYYYMMDD format. Not used when importing an outcoming payment request-order
13	Number (1 character)	No	Type code of acceptance: 1, 2, 3. Value is ignored
14	Number (3 characters)	No	Payment code. Value is ignored
15	Number (1 characters)	No	Transfer attribute. Value is ignored
16	Number (from 8 to 10 characters)	Yes	Correspondent's* EDRPOU code
17	Number (3 characters)	No	Digital currency code. Value is ignored

18	Number (3 characters)	No	Recipient digital country of residence code. Missing in the import file of outcoming payment request-orders.
19	String (to 70 characters)	No	Street (avenue, alley,etc) of the postal address of the recipient. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.
20	String (to 16 characters)	No	Building number of the postal address of the recipient. Required, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.
21	String (to 16 characters)	No	Postal code of the postal address of the recipient. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.
22	String (to 70 characters)	No	Number of apartment or office of the postal address of the recipient. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.
23	String (to 35 characters)	No	Locality (city or vallage name, etc.) of the postal address of the recipient. Required, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.
24	String (to 35 characters)	No	District of apartment or office of the postal address of the recipient. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.
25	String (to 35 characters)	No	Region of apartment or office of the postal address of the recipient. Optional, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.
26	Number (3 characters)	No	Recipient digital country code. Required, if EDRPOU code of the recipient is 9 any digits. Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.

27	String (to 9 characters)	No	Information about recipient's passport. Can be specified in the following formats: • SSNNNNNN – series and number of passport, where SS - series, NNNNN - number; • NNNNNNNNN – number of ID-card. Required if recipient is an private person who has no ITN, but passport data are known (the ITN indicates 10 zeros). Else value of the field ignored and not fill. Missing in the import file of outcoming payment request-orders.
28	Number (to 6 characters)	No	Code of budget payment type. Required for budget payments (in which 11st field with payment details not filled) with «Budget payments to budget or non-budget accounts» template. Must match value from the budget payment types reference. This reference filled in on the bank side. Ignored and not filled for budget payments with other templates or for non-budget payments. Missing in the import file of outgoing request of payment instruction.
29	String (to 140 characters)	No	Additional information of of the record of the structural payment details. Required for budget payments (in which 11st field with payment details not filled). Ignored and not fill for non-budget payments. Missing in the import file of outgoing request of payment instruction.
30	Number (to 8 characters)	No	Code of the budget income. Required for budget payments (in which 11st field with payment details not filled) with «Budget payment for lease of the state property» template. Ignored and not filled for budget payments with other templates or for non-budget payments. Missing in the import file of outgoing request of payment instruction.

| 31 | String (29 characters) | No | Budget account's number in IBAN format (value with 29 characters and contains: «UA» characters, 2-digit numeric checksum, 6-digit numeric MFO code of the bank in which account is opened, and 19-digit numeric account number. There are checed presence of the «UA» characters at beginning, correctness of the checksum, presence of the indicated MFO in the MFO directory, as well as the format of the account number and its keying with MFO code). Required for budget payments (in which 11st field with payment details not filled) with «Budget payment to single account» template (indicating the direction of funds). Ignored and not filled for budget payments with other templates or for non-budget payments. Missing in the import file of outgoing request of payment instruction. |
| 32 | String (to 140 characters) | No | Information about the tax decision. Optional for budget payments (in which 11st field with payment details not filled) with «Budget payment to single account» template (indicating the direction of funds). Ignored and not filled for budget payments with other templates or for non-budget payments. Missing in the import file of outgoing request of payment instruction. |

Examples of import files in Bank-Client format

Hryvnia payment order

Contents example of import file (file name r1403071.111) with two hryvnia payment orders, non-budget payment:

0·1·610·20180605·300335·300335·UA203003350000026002145870023·→
→ UA773003350000026001236521254·34000·0·TOB Альфа· Перевод денег согласно договору →
→ AK 513·····20544847·········

0·1···300335·300335·UA623003350000026009850123658·UA203003350000026002145870023· →
→ 11570··ПП Мамоза·Оплата услуг·····2234124298··········

Outcoming payment request-order

Contents example of import file (file name r1303071.111) with two outcoming payment request-orders:

0·11·615·20180505·300335·300335·UA213003350000026002548523698· →
→ UA183003350000026009855201236·8400·0·TOB Альфа·Оплата согласно договору AK →
→ 346·····2054484712··

0·11···300335·300335·UA213003350000026002548523698·UA77300335000002600123652125 4·· →
→ 64520··ПП Мамоза·Оплата транспортных услуг·····2054484713··

Import in BM RS format

In the current version of the iBank 2 UA system, import in BM RS format is supported for **hryvnia payment order** and **Outcoming payment request-order** and is analogous to the Bank-Client format. Structure of import files in the BM RS format is completely similar to structure of import files in Bank-Client format (for more details, see **Import in Bank-Client format** section).

The file name is given in `rddhhmmN.NNN ... N` format, where:

`r` — always latin letter "r";

`dd` — two digits to indicate day which file was created;

`hhmm` — four digits to indicate time[1] – hours and minutes of file creation

`N.NNN...N` — any numbers from 4 to 10;

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[1]User himself imposes a semantic load on hours and minutes of file, but remember that different names must have different names

Section 3

Export formats for corporate clients

iBank 2 UA system has ability to export reports and directories of corporate clients or finance control centers (FCC). The **Web-Banking** module, besides its other capabilities, allows clients to export. You can also use the additional **Corporate autoclient** module (for more details, see *Raiffeisen Bank Aval. Corporate autoclient. User manual*.

Following export formats are supported in the iBank 2 UA system:

1. «Comma-Separated Values file (.csv)».

2. Profix.

3. Bank-Client.

4. BM RS.

5. DBF.

6. iBank 2.

Export in «Comma-Separated Values file (.csv)» format

Structure of export file in «Comma-Separated Values file (.csv)» format

Export files in «Comma-Separated Values file (.csv)» format are files based on standard CSV format (Comma Separated Values). Typical contents of export files in this format are values, formatted as a table and ordered in such way that each value in the column is separated from value in next column by a semicolon, and each new row begins with a new line. Export files of «Comma-Separated Values file (.csv)» format are available for viewing in any text editor.

When exporting fields containing separator «;» (semicolon), as well as a double quote, system proceeds as follows:

1. Fields containing character used in the CSV format as a separator are limited at the beginning and end by double quotes.

2. Fields containing double quotes are limited at the beginning and end by double quotes, and quotes themselves are additionally surrounded by double quotes.

For example:

1. Value **Оплата по договору "804"** will be exported as "**Оплата по договору ""804"""**

2. Value **Оплата по договору; 804** will be exported as "**Оплата по договору; 804"**

3. Value **Оплата по договору; "804"** will be exported as "**Оплата по договору; ""804"""**

Export in «Comma-Separated Values file (.csv)» format is supported for following reports and directories:

- Statement report;

- Statement report;

- Turnovers report;

- Current balances report;

- Employee directory;

- Exchange rates directory.

Examples of export files in «Comma-Separated Values file (.csv)» format

Statement report

Structure of the file with exported statements identical for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **EDRPOU** — client EDRPOU code (from 8 to 10 digits);

- **MFO** — MFO code of the bank in which client's account is opened (6 digits);

- **Account** — client account number in the IBAN format (29 characters);

- **Currency** — three-letter currency code of client's account;

- **Transaction date** — operation date and time;

- **Transaction code** (to 3 characters);

- **Bank's MFO** — MFO code of the bank in which correspondent account is opened (6 dgits);

- **Bank name** — name of the bank in which correspondent account is opened (to 140 characters);

- **Correspondent's account** — correspondent account number in analytical account format (from 5 to 14 digits) or IBAN (29 characters);

- **Correspondent's EDRPOU** — correspondent EDRPOU code (from 8 to 10 digits);

- **Correspondent** — correspondent name (to 40 characters);

- **Document number** (to 20 characters);

- **Document date** in DD.MM.YYYY format;

- **Debit** — debit amount in account currency (not to be filled in for credit operations) (to 10 digits in the whole part and to 4 digits in the fractional part);

- **Credit** — credit amount in account currency (not to be filled in for debit operations) (to 10 digits in the whole part and to 4 digits in the fractional part);

- **Payment details** (to 420 characters);

- **Hryvnia cover** — operation amount in hryvnia equivalent (not filled for hryvnia operations) (to 15 digits in the whole part and 2 digits in the fractional part);

> **Attention!**
> Information statements are not exported.

Export file is always generated in Windows-1251 encoding.

Content example of the export file:

EDRPOU;MFO;Account;Currency;Transaction date;Transaction code;Bank's MFO; →
76345670;300335;UA773003350000026001236521254;UAH;25.03.2018 10:01;;300335; →

→ Bank name;Correspondent's account; →
→ "AT ""РАЙФФАЙЗЕН БАНК АВАЛЬ"" ";UA623003350000026009850123658; →

→ Correspondent's EDRPOU;Correspondent;Document number;Document date;Debit;Credit;Payment details;Hryvnia cover;Operation identifier
→ 76655689;"ЧП ""Агросервис""";1;01.06.2018;100.11;;за услуги;0.00;15550;

Turnovers report

Structure of the file with exported turnovers for corporate clients and finance control centers (FCC) **differs**. For corporate clients, turnover balance sheet is detailed statement of one or several accounts. For FCC turnover balance sheet is consolidated report of all accounts of subordinate organizations.

Description of fields that are exported to the turnover balance sheet of corporate clients is presented below:

- ***Turnover date*** — date for which the amount of working assets is displayed (in DD.MM.YYYY format);

- ***Account*** — account number (in the IBAN format 29 characters) for which turnover balance sheet is formed . It can be specified in the analytical account format (from 5 to 14 digits) or IBAN (29 characters);

- ***Currency*** — a three-letter currency code of account for which turnover balance sheet is formed;

- ***Incoming balance*** — amount of incoming balance in account currency on specified date (to 10 digits in the whole part and to 4 characters in the fractional part);

- ***Hryvnia coverage*** — amount of incoming balance in Ukrainian hryvnia on specified date (to 10 digits in the whole part and 2 digits in the fractional part);

- ***Turnover DT*** — total debit turnover per day in account currency (to 10 digits in the whole part and to 4 digits in the fractional part);

- ***Hryvnia coverage*** — total debit turnover per day in Ukrainian hryvnia (to 10 digits in the whole part and 2 digits in the fractional part);

- ***Turnover CT*** — total credit turnover per day in account currency (to 10 digits in the whole part and to 4 digits in the fractional part);

- ***Hryvnia coverage*** — total credit turnover per day in Ukrainian hryvnia (to 10 digits in the whole part and 2 digits in the fractional part);

- ***Outgoing balance*** — amount of outgoing balance in account currency on specified date (to 10 digits in the whole part and to 4 digits in the fractional part);

- ***Hryvnia coverage*** — amount of outgoing balance in Ukrainian hryvnia on specified date (to 10 digits in the whole part and 2 digits in the fractional part).

Export file is always generated in Windows-1251 encoding.

Content example of the export file:

Turnover date;Account;Currency;Incoming balance;Hryvnia coverage;Turnover DT; →
25.03.2018 00:00;UA623003350000026009850123658;UAH;6554.35;0.00;200.20; →

→ Hryvnia coverage;Turnover CT;Hryvnia coverage;Outgoing balance;Hryvnia coverage
→ 0.00;0.00;0.00;6354.15;0.00

Description of fields that are exported to the turnover balance sheet of FCC is presented below:

- **Client** — subordinate client name (to 40 chfracters);

- **Bank** — MFO code of the bank in which client's account is opened (6 digits);

- **Account** — client account number in the IBAN format (29 characters);

- **Currency** — international three-letter code of client's account currency;

- **Incoming balance** — amount of incoming balance in account currency at the beginning of period (to 10 digits in the whole part and to 4 digits in the fractional part);

- **Turnover DT** — total debit turnover for period in account currency (to 10 digits in the whole part and to 4 digits in the fractional part);

- **Turnover CT** — total credit turnover for period in account currency (to 10 digits in the whole part and to 4 digits in the fractional part);

- **Outgoing balance** — amount of outgoing balance in account currency at the end of period (to 10 digits in the whole part and to 4 digits in the fractional part).

Export file is always generated in Windows-1251 encoding.

Content example of the export file:

Client;Bank;Account;Currency;Incoming balance;Turnover DT;Turnover CT;Outgoing balance
"ООО ""АЭЛИТА""";300335;UA623003350000026009850123658;UAH;10.00;20.22;40.44;30.22

Current balances report

Description of fields that are exported to the «Current balances» report of finance control centers (FCC) is presented below:

- **Client** — subordinate client name (to 40 characters);

- **Bank** — MFO code of the bank in which client's account is opened (6 digits);

- **Account** — client account number in the IBAN format (29 characters);

- **Currency** — international three-letter currency code of client's account;

- **Balance** — amount of account balance (to 10 digits in the whole part and to 4 digits in the fractional part);

- **Date** — balance date and time (in DD.MM.YYYY format).

Export file is always generated in Windows-1251 encoding.

Content example of the export file:

Client;Bank;Счет;Account;Balance;Date
"ООО ""АЭЛИТА""";300335;UA623003350000026009850123658;UAH;535.50;01.06.2018 12:09

Employee directory

Structure of the file with exported employee directory identical for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **Card account** — employee SCA number (29 characters).

- **Full name** — employee full name (to 80 characters).

- **ITN** — employee ITN (10 digits).

- **Opening date** — employee SCA opening date (in DD.MM.YYYY format).

Export file is always generated in Windows-1251 encoding.

Content example of the export file:

Card account;Full name;ITN;Opening date
26251847290238;Григорьев Петр Иванович;1130283748;23.05.2019

Exchange rates directory

Structure of the file with exported exchange rates directory identical for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **Date** — exchange rate date (in DD.MM.YYYY format);

- **Currency** — currency full name in Ukrainian (to 80 characters);

- **Code** — three-letter currency code;

- **NBU rate** — NBU rate value (to 6 digits in the whole part and to 10 digits in the fractional part);

- **Buy** — value of the bank rate of currency purchase (to 6 digits in the whole part and to 6 digits in the fractional part);

- **Sell** — value of the bank rate of currency sale (to 6 digits in the whole part and to 6 digits in the fractional part).

Export file is always generated in Windows-1251 encoding.

Content example of the export file:

Date;Currency;Code;NBU rate;Buy;Sell;
01.06.2018;Долар США;USD;2612.230000/100;26.150000;26.250000;

Export in Profix format

When exporting in the Profix format, a file with **.dbf** extension is formed. By default, file is called export.dbf, but client can change name. Typical contents of export files in this format are values formatted as a table. Profix format files are available for viewing in any text editor, but for convenient viewing it is recommended to open them in specialized editors (for example, DBFView).

Export in Profix format is supported only for **statements**.

> ***Attention!***
> Information statements are not exported.

Structure of export file in Profix format

Structure of the file with exported statements identical for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- ***MFO*** — MFO code of the bank in which client's account is opened (6 digits);

- ***MFO_NM*** — name of the bank in which client's account is opened (to 50 characters);

- ***KL_NM*** — client name (to 40 characters);

- ***KL_OKP*** — client EDRPOU code (from 8 to 10 digits);

- ***KL_CHK*** — client account number in the IBAN format (29 characters);

- ***CUR_ID*** — three-digit numeric currency code of client's account;

- ***MFO_K*** — MFO code of the bank in which correspondent's account is opened (6 digits);

- ***MFO_NM_K*** — name of the bank in which correspondent's account is opened (to 50 characters);

- ***KL_NM_K*** — correspondent name (to 40 characters);

- ***KL_OKP_K*** — correspondent EDRPOU code (from 8 to 10 digits);

- ***KL_CHK_K*** — correspondent account number in analytical account format (from 5 to 14 digits) or IBAN (29 characters);

- ***ND*** — document number (to 15 characters);

- ***DK*** — option of payment on debit or credit (1 – debit, 2 – credit);

- ***VOB*** — service field (by default is 1);

- ***S*** — amount of payment (to 17 digits in the whole part and to 5 digits in the fractional part);

- ***DATA*** — document date (in DD.MM.YYYY format);

- ***DATA_S*** — transaction date (in DD.MM.YYYY format);

- ***TIME_S*** — transaction time (in HHMM format);

- ***ADATEOPL*** — document date (in DD.MM.YYYY format);

- ***N_P*** — payment details (to 160 characters);

Example of export file in Profix format

Content example of the export file:

MFO	MFO_NM	KL_NM	KL_OKP	KL_CHK	CUR_ID
300335	АТ "РАЙФФАЙЗЕН БАНК АВАЛЬ"	ООО "АЭЛИ-ТА"	36484873	UA62300335000 → → 00260098501 → → 23658	840

MFO_K	MFO_NM_K	KL_NM_K	KL_OKP_K	KL_CHK_K
300335	АТ "РАЙФФАЙЗЕН БАНК АВАЛЬ"	ООО "Альянс"	2536894123	UA52300335000 → → 00260096320 → → 12548

ND	DK	VOB	S	DATA	DATA_S	TIME_S	ADATEOPL	N_P
23	1	1	100	26.03.2018	29.03.2018	1054	26.03.2018	Оплата за услуги

Export in DBF format

When exporting in DBF format, a file with **.dbf** extension is formed. By default, file name corresponds to the external identifier of the corporate client, and is available for edit. Typical contents of export files in this format are values formatted as a table. Export files in DBF format are available for viewing in any text editor, but for convenient viewing it is recommended to open them in specialized editors (for example, DBFView).

Export in DBF format is supported only for **employee directory** (standart within the bank and directory of employees whose accounts are opened in other banks).

Employee directory

Structure of the file with exported employee directory identical for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **Acct_card** — employee SCA number (29 characters);

- **Fio** — employee full name (to 50 characters);

- **Id_code** — employee ITN (10 digits);

- **Suma** — charge amount, always «0»;

- **Opening date** — employee SCA opening date (in DD.MM.YYYY format).

Export file is always generated in Windows-1251 encoding.

Content example of the export file:

Acct_card	Fio	Id_code	Suma	Open_date
UA383003350000026205421021455	Іванов Іван Іванович	4554102145	0,00	23.05.2019
UA843003350000026205212002365	Петров Петро Петрович	5874012547	0,00	11.11.2017

Employee directory (other banks)

Structure of the file with exported employee directory (other banks) identical for corporate clients and finance control centers (FCC). Fields of the import file are described below:

- **Acct_card** — employee SCA number (29 characters);

- **Fio** — employee full name (to 80 characters);

- **Id_code** — employee ITN (10 digits);

- **Suma** — charge amount, always «0»;

- **passp_ser** — employee series of passport (to 2 characters);

- **passp_num** — employee number of passport (6 or 9 digits);

- **Country** — employee country code;

Export file is always generated in Windows-1251 encoding.

Content example of the export file:

Acct_card	Fio	Id_code	Suma	passp_ser	passp_num	Country
UA3330574900000→ →26201143875411	Иванов Иван Иванович	4554102145	0,00			804
UA853057490000→ →262074461111119	Петров Петр Петрович	0000000000	0,00	AE	250047	804

Export in Bank-Client format

Export in Bank-Client format is supported only for **statements**. When exporting in this format, turnover balance sheet and incoming payment requests (if any) on this account for specified date are also exported. When exporting statements in Bank-Client format, text files are generated. Generated files are named according to following pattern: `vYYMMDD.ZZZ` for statements on hryvnia accounts and `wYYMMDD.ZZZ` for statements on foreign currency accounts, where:

- `v` – constant prefix of the export file containing hryvnia accounts statements;

- `w` – constant prefix of the export file containing foreign currency accounts statements;

- `YYMMDD` – date of account transaction (YY – year, MM – month, DD – day);

- `ZZZ` – constant export file extension.

Structure of export file in Bank-Client format

Export file is always generated in CP1125 encoding and consists of indefinite number of lines separated by `0x0D 0x0A`, minimum number of lines is 1.

All lines, except for fields described for them, have the 0th classification field of 1 character length:

- `0` — **turnover balance line**, in which data are presented on client's account for which statement was generated, as well as amounts that were debited or credited for this account;

- `1` — **payment line**. Provides detailed information about transaction from account;

- 2 — **payment request**. This line will be present in the export file if client has an incoming payment request-order for same date for which statement was made. Provides information about an incoming payment request-order.

Turnover balance line consists following fields:

№ for currency statement	№ for hryvnia statement	Field size	An example of field filling	Use of field
1	1	29	UA7730033500 → → 0002600123 → → 6521254	statement account in the IBAN format (29 characters).
2	—	4	0840	digital currency code formed by adding a non-significant zero to the three-character currency code
3	2	8	20180609	date of current account movement in YYYYMMDD format
4	3	8	20180608	date of previous account movement in YYYYMMDD format
5	4	19	336720	balance* in Ukrainian hryvnia at beginning of the day
6	—	19	63532	balance* in foreign currency at beginning of the day
7	5	1	+ or -	balance type: + — passive - — active
8	6	6	1	number of documents passed on write-off
9	7	19	53000	amount* in Ukrainian hryvnia of debit turnovers (documents passed on write-off)
10	—	19	10000	amount* in foreign currency of debit turnovers (documents passed on write-off)
11	8	6	2	number of documents passed on enrollment
12	9	19	0	amount* in Ukrainian hryvnia of credit turnover (documents passed on enrollment)
13	—	19	0	amount* in foreign currency of credit turnover (documents passed on enrollment)
14	10	19	283720	balance* in Ukrainian hryvnia at end of the day
15	—	19	53532	balance* in foreign currency at end of the day

16	11	1	+ or -	balance type: + — passive - — active

Payment line consists of following fields:

№ for currency statement	№ for hryvnia statement	Field size	An example of field filling	Use of field
1	1	1	+ or -	payment type: + – payment passed on enrollment; - – payment passed on write-off.
2	2	9	300335	MFO code of the bank sending payment (hereinafter Bank A)
3	3	29	UA7730033500 → → 0002600123 → → 6521254	current client account of Bank A in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). If account is specified in analytical format (number from 5 to 14 digits), then it is aligned with from left edge of the field and to the end field is filled spaces to 29 characters
4	4	14	2536894123	EDRPOU code of client of Bank A
5	5	40	ООО "Альянс"	name of client of Bank A
6	6	9	300335	MFO code of the bank receiving payment (hereinafter Bank B)
7	7	29	UA2030033500 → → 0002600214 → → 5870023	current client account of Bank B in the analytical account format (number from 5 to 14 digits), or IBAN (29 characters). If account is specified in analytical format (number from 5 to 14 digits), then it is aligned with from left edge of the field and to the end field is filled spaces to 29 characters
8	8	14	3434545443	EDRPOU code of client of Bank B
9	9	40	ПП "Альфа"	name of client of Bank B
10	10	2	01	type of payment (content is not regulated by NBU)
11	11	10	24	payment transaction number
12	12	19	212000	payment amount* in Ukrainian hryvnia
13	—	19	40000	payment amount* in foreign currency

14	13	8	20180610	sending date** from Bank A in YYYYMMDD format
15	14	4	1740	sending time** from Bank A in HHMM format
16	15	8	20180611	receiving date** by bank B in YYYYMMDD format
17	16	4	0945	receiving time** by bank B in HHMM forma
18	17	220	Оплата деталей по дог. №158	payment details

* — all amounts are positive and indicated in kopecks without any separators.

** — reference fields whose presence is not guaranteed.

Payment request contains a payment request which sent to client from another client to make a payment decision or client payment request sent to another client. These payments are not invoiced and are informational. Payment request consists of the same fields as payment line, but meaning of the first field is changed:

+ payment request to client;

- payment request from client.

Example of export file in Bank-Client format

Below is an example of hryvnia statement export file from May 25, 2018. For presentation of the file in this document, lines are divided into several parts. File name is `v180525.zzz`.

1 line of export file:
```
0UA7730033500000260012365212542014032500000000                9000000+
1           10050              0              0       8989950+
```

2 line of export file:
```
1-          300335UA77300335000002600123652125 4        3434545443000 АЭЛИТА
300335UA203003350000026002145870023         1234567890000 Получатель        01      112
1005020180525          20180525           оплата за услуги транспортировки
```

3 line of export file:
```
2+          300023UA77300335000002600123652125 4           2102102102ЧП Бета
300335UA203003350000026002145870023           6345645645000 АЭЛИТА        01      139
3500020140325             перевод согласно договору №423
```

Export in BM RS format

Export in BM RS format is implemented only for **statements**. Name, as well as the structure of the generated files, corresponds to export files in the Bank-Client format (for more details, see **Export in Bank-Client format** subsection), except for following differences:

- Hryvnia and currency statements are exported to files with name `vYYMMDD.ZZZ`.

- In turnover balance line:

 – a symbolic currency code is displayed instead of a digital one;

 – added display of EDRPOU code and client name.

Example of export file in BM RS format

Below is an example of hryvnia statement export file from May 25, 2018. For presentation of the file in this document, lines are divided into several parts. File name is `v180525.zzz`.

1 line of export file:
```
0       300335UA77300335000002600123652125UAH2018052520180525              0       0+      1
15000           15000           1               40000           40000                   25000
25000+          96325785                OOO АЭЛИТА
```

2 line of export file:
```
1-      300335UA77300335000002600123652125      3434545443000 АЭЛИТА
300335UA20300335000002600214587002               1234567890000 Получатель          01
112             1005020180525       20180525                оплата за услуги транспортировки
```

3 line of export file:
```
2+      300023UA77300335000002600123652125      2102102102ЧП Бета
300335UA20300335000002600214587002               6345645645000 АЭЛИТА                 01
139     3500020140325           перевод согласно договору №423
```

Export in iBank 2 format

In current version of the iBank 2 UA export in iBank 2 format is supported for **correspondent directories** and **beneficiaries**. Structure of export files is completely similar to the structure of import files of correspondents and beneficiaries directories in the iBank 2 format (for more details, see **Recipients directory** and **Beneficiaries directory** subsections).

Section 4

Sources of additional information

Additional information on this subject can be found in the documents:

- **Raiffeisen Bank Aval. Web-Banking for business clients. User manual**

- **Raiffeisen Bank Aval. Web-Banking for Financial Control Centers. User manual**

- **Raiffeisen Bank Aval. Corporate autoclient. User manual**

Attention!

With all offers and requests for documentation, please contact us by e-mail
support@dbosoft.com.ua