

HUA file

Structure of the HUA file corresponds to the format of the Hungarian foreign payment system.

The extension of the HUA file's name is ".HUA".

File consists of

- a header and
- an information section.

There could be **several payment orders** in a HUA file.

Each payment order starts with a starting brace ({} and an **order header**, and ends with an ending brace "}". The blocks of an order header are separated by " } {".

The structure of columns

C/O	=	completion of a field
		c = compulsory
		o = optional
L/ T	=	length of a field and data type
		n = numeric 0 - 9
		a = alphanumeric
		d = date in YYYYMMDD format
		F = fixed field length
		V = variable length

The structure of the file header:

Content	C / O	L / T
<CR><LF>:01: customer reference	k	16 a V
<CR><LF>:02: Total amount of all orders, regardless of currencies	k	17 n V
<CR><LF>:03: Number of orders in the file	k	5 n V
<CR><LF>:04: Ordering party's SWIFT address	k	11 a V
<CR><LF>:05: Ordering party's name and address The data can be written in several rows. Each row must be separated by <CR><LF>	k	4*35 a V
<CR><LF>:07: The name of the file	k	12 a V

Structure of the order header:

1:F01 **Constant** Basic Header Block
 xxxxxxxxxxxxxx Ordering party's SWIFT address
 bbbb file-number (generated by the program from 0 to 999)
 ttttt transaction number
 (increasing from 0 - 999999)

2:I100 **Constant** Application Header Block
 xxxxxxxxxxxxxx Beneficiary Swift address
 y Payment type code

00	N	Standard transfer
10	U	Telex payment or SWIFT express
20	A	Check, announcements in free format
21	B	Check, registered announcements
22	C	Check, announcements by courier
23	D	Check, registered announcements by courier
30	E	Check for the ordering party
31	F	Check for the ordering party, announcements registered
32	G	Check for the ordering party, announcements by courier
33	H	Check for the ordering party, announcements registered + by courier

1 **Constant** End of Application Header Block

4: **Constant** Text Block

The orders are separated by the \$ sign. The new order starts in the same row with "{" and an order header.

The fields within an order are separated by the <CR><LF> (ASCII 13 + 10) sequence.

The structure of the Text Block (a payment order):

Content	C/O	L / T
<CR><LF>:20: Customer reference	c	16 a V
<CR><LF>:32A: <u>subfield 1:</u> order's value date (YYMMDD) <u>subfield 2:</u> ISO code of the amount's currency. <u>subfield 3</u> Amount (with 2 decimals)	c	6 n F 3 a F 15 n V
<CR><LF>:50: Ordering party (at most 4 rows, in each row at most. 35 letters, followed at the end by <CR><LF>)	c	4*35 a V
<CR><LF>:52D: <u>subfield 1:</u> Ordering party account number	c	20 a V

<CR><LF> <u>subfield 2:</u> Charges account number <CR><LF> <u>subfield 3:</u> Contra-currency ISO code <u>subfield 1:</u> amount in contra-currency (2 decimals) <CR><LF> <u>subfield 5: (def. by HU clearing sys)</u> Statistical code <Blank> (ASCII 32) Beneficiary country code (ISO) <Blank> (ASCII 32) Beneficiary bank country code (ISO)		20 a V
<CR><LF>:57A: Beneficiary bank Swift address	c	11 a V
<CR><LF>:59: <u>subfield 1:</u> Hyphen "/" <u>subfield 2:</u> Beneficiary account number <u>subfield 3</u> <CR><LF> Beneficiary (at most in 4 rows, max. 35 character/row, followed at the end by <CR><LF>)	c	1 a F 24 a V 4*35 a V
<CR><LF>:70: Payment details (at most 4 rows, max. 35 character/row, followed at the end by <CR><LF>)	c	4*35 a V
<CR><LF>:71A: cost accounting BN1: 0 Domestic chrg. -> OUR / Foreign -> Beneficiary OUR: 1 all expenses are on the ordering party BN2: 2 all expenses are on the beneficiary.	c	3 a F
<CR><LF>:72: <u>subfield 1:</u> at most 4 instruction codes (2 digits numerical codes separated by spaces (ASCII 32)) 01 Payment only for beneficiaries 02 Payment only with check 04 Payment only after identification 06 The beneficiary's bank should be	c	4*2 n F

<p>informed by phone 07 The beneficiary's bank should be informed by fax 09 The beneficiary should be informed by phone 10 The beneficiary should be informed by fax</p> <p><u>subfield 2:</u> Partner</p> <p><u>subfields 3:</u> Supplementary information for the field :52D: (at most 4 rows, max. 35 character/row, followed at the end by <CR><LF>)</p> <p><u>subfield 4:</u> fix item contact person phone number fix item fax number</p> <p><u>subfield 5:</u> Ordering party country code Space Ordering party resident [Y/N] Space Partner resident [Y/N] Space Fax acknowledgement [Y/N] Space Urgent [Y/N] Space Viber [Y/N]</p>	<p>o</p>	<p>35 a V</p> <p>4*35 a V</p> <p>2 aF "T " 15 aF 2 aF "F " 15 aV</p> <p>2 aF</p> <p>1 aF</p> <p>1 aF</p> <p>1 aF</p> <p>1 aF</p> <p>1 aF</p>
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