

VBNKD\$ - Validate Bank Details

The VBNKD\$ routine creates an XML bank details file using the Postcode Anywhere web site validating the bank sort code and account number supplied. To use this routine you will need a Postcode Anywhere account number and license key.

1. Invocation

To create the bank details XML file code:

```
CALL VBNKD$ USING VB
```

where *vb* is a control block of the following format:

```

01  VB
02  VBVERS          PIC 9(4) COMP      * BLOCK VERSION NUMBER
                                     * MUST BE 1
02  VBACC           PIC X(10)         * Postcode Anywhere account number
02  VBLIC           PIC X(19)         * Postcode Anywhere license key
02  VBPRG           PIC 9 COMP        * 0 = No progress bar during file copy
                                     * 1 = Progress bar displayed during copy
                                     * of XML file from GX PC to server
02  VBCODE          PIC X(8)         * Sort code of the form nn-nn-nn
02  VBBACC          PIC X(8)         * Bank account number
02  VBSCODE         PIC 9(9) COMP     * HTTPS$ Return code
02  VBSTXT          PIC X(100)       * HTTPS$ Returned text
02  VBNAME          PIC X(80)        * Returned bank name
02  VBBRCH          PIC X(80)        * Returned branch name
02  VBADDR OCCURS 4 PIC X(80)        * Returned branch address lines
02  VBTOWN          PIC X(20)        * Returned Town
02  VBCounty        PIC X(20)        * Returned county
02  VBPCODE         PIC X(10)        * Returned post code
02  VBVTXT          PIC X(100)       * Validation error text
02  VBERR           PIC 9(9) COMP     * Error code returned by Postcode Anywhere
02  VBETXT          PIC X(100)       * Error text returned by Postcode Anywhere

```

2. STOP Codes and Exception Conditions

The following STOP codes may be generated by VBNKD\$:

STOP code	Description
13627	VBNKD\$ has been called by an application that is not running on GX.
13628	Invalid Control Block version.

The following EXIT codes may be returned by VBNKD\$:

EXIT code	\$\$COND	Description
13608	08	Unable to allocate memory for temporary work buffer (HTTPO\$).

13609	09	An error condition was returned by the open communications operation. The error code is available in the \$\$CRES System Variable.
13610	10	Unable to allocate memory for temporary work buffer (HTTPH\$).
13611	11	The set HTTP server request header operation has suffered an exception. The error code is available in the \$\$CRES System Variable.
13612	12	Unable to allocate memory for temporary work buffer (HTTPS\$).
13613	13	The send message to the HTTP servers has suffered an exception. The error code is available in the \$\$CRES System Variable.
13636	36	The return code from the send message to HTTP servers is not 200 (OK). The send message result code has been returned in VBSCODE and VBSTXT. (See HTTPS\$ documentation for full list).
13637	37	Unable to allocate memory for temporary work buffer.
13638	38	Unable to open the XML file produced on the server.
13639	39	Unable to read the XML file produced on the server.
13640	40	An error has been returned from Postcode Anywhere in the XML file. The returned error code is in VBERR and error text in VBETXT.
13641	41	A validation error has been returned from Postcode Anywhere. The validation error text is in VBVTXT. If a validation error occurs some details may still be returned in the VB control block.
7614	14	GXCOP\$ has suffered an exception opening the input or output files. The Windows error code is available in the \$\$CRES System Variable.

7615	15	The GXCOP\$ routine cannot find the input file.
7616	16	Unable to allocate temporary work buffer (GXCOP\$).
7619	19	GXCOP\$ has suffered an error opening the input file. The Windows error code is available in the \$\$CRES System Variable.
7620	20	GXCOP\$ has suffered an error opening the output file. The Windows error code is available in the \$\$CRES System Variable.
7621	21	Error returned from GX Copy File function. The Windows error code is available in the \$\$CRES System Variable.
7622	22	GXCOP\$ has suffered an unexpected error from GX. The Windows error code is available in the \$\$CRES System Variable.

3. Programming Notes

In order to use this subroutine you need to obtain an account number and license key from Postcode Anywhere at <http://www.postcodeanywhere.co.uk/>.

VBNKD\$ is only available when running on GX. Any attempt to run VBNKD\$ on a non-GX terminal will result in a STOP code.

VBNKD\$ is only available on GSM SP-20, or later.

The VBNKD\$ routine makes use of the HTTPO\$, HTTPH\$, HTTPS\$ and HTTPC\$ routines to obtain the bank details file in XML format. The Postcode Anywhere method used "Validate". The XML file will be created in the "xml" sub-folder in the current GX folder on the GX PC and will be automatically copied to the "temp" sub-folder in the GSM folder on the server running the Global Client (e.g. GLOBAL.EXE). The name of the XML file is:

bank_validation_cc_uuuuu_oooo.xml

where *cc* is the computer-id, *uuuuu* the user number and *oooo* the operator-id of the user running the subroutine.

There is further information held in the "bank details" XML file that is not returned by VBNKD\$. To extract this additional information you must access the file directly using the Open BDAM access method.

If the bank sort code is invalid the bank name will be set to SPACES.

4. Examples

No examples available.

5. Copy-Books

None.

6. See Also

BNKAD\$	Return bank address
HTTPO\$	Open HTTP session
HTTPOC\$	Close HTTP server session
HTTPOH\$	Set Request Header
HTTPOS\$	Send message and return status information and response text
GXCOP\$	File copy routine