

PCODE\$ - Postcode Address File Creation

The PCODE\$ routine creates an XML address file using the Postcode Anywhere web site. To use this routine you will need a Postcode Anywhere account number and license key.

1. Invocation

To create an address XML file code:

```
CALL PCODE$ USING po
```

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

```

01  PO
02  POVERS      PIC 9(4) COMP      * BLOCK VERSION NUMBER
                                     * MUST BE 1
02  POACC       PIC X(10)         * Postcode Anywhere account number
02  POLIC       PIC X(19)         * Postcode Anywhere license key
02  POCODE      PIC X(10)         * Postcode
02  POPRG       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  PONADDR     PIC 9(4) COMP      * Number of addresses returned
02  POSCODE     PIC 9(9) COMP      * HTTPS$ Return code
02  POSTXT      PIC X(100)        * HTTPS$ Returned text
02  POERR       PIC 9(9) COMP      * Error code returned by Postcode Anywhere
02  POETXT      PIC X(100)        * Error text returned by Postcode Anywhere

```

2. STOP Codes and Exception Conditions

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

STOP code	Description
13620	PCODE\$ has been called by an application that is not running on GX.
13621	Invalid Control Block version.

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

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.
13617	17	Unable to allocate memory for temporary work buffer.
13618	18	Unable to open the XML file produced on the server.
13644	44	An error was returned in the XML file. POERR will contain the error number and POETXT the error text.
13645	45	The return code from the send message to the HTTP server is not 200 (OK). The send message result code has been returned in POSCODE and POSTXT. (See HTTPS\$ documentation for full list).
13646	46	Unable to read the XML file produced on the server.
13647	47	Unable to return the number of items from the XML file.
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/>.

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

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

The PCODE\$ routine makes use of the HTTPO\$, HTTPH\$, HTTPS\$ and HTTPC\$ routines to obtain the postcode address file in XML format. The Postcode Anywhere method used is "by_postcode". 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:

```
postcode_addresses_cc_uuuuu_0000.xml
```

where *cc* is the computer-id, *uuuuu* the user number and *0000* the operator-id of the user running the sub-routine. The sub-routine PCADR\$ can be used to extract the information contained in this XML file.

If the postcode is invalid the number of addresses returned in PONADDR is 0.

4. Examples

No examples available.

5. Copy-Books

None.

6. See Also

PCADR\$	Postcode address file extraction
PCFDR\$	Return formatted address
HTTPO\$	Open HTTP session
HTTPC\$	Close HTTP server session
HTTPH\$	Set Request Header
HTTPS\$	Send message and return status information and response text

GXCOP\$ File copy routine