QRSCN$ - Scan QR Code Image File

The QRSCN$ routine can be used to scan an image file returning the text equivalent of the scanned image. The image can be one of a wide variety of formats, including barcodes and QR codes (see table below).

1. Invocation

To scan an image file to returned the encoded text code:

```
CALL QRSCN$ USING qs
```

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

```
01    QS
02    QSVERS  PIC 9(4) COMP      * BLOCK VERSION MUST BE 1
  VALUE   1
   02  QSTYPE  PIC 9(2) COMP        * TYPE OF IMAGE TO SCAN FOR
*                           * (SEE BELOW)
   02  QSPFIL  PIC PTR         * POINTER TO IMAGE FILENAME
   02  QSPTXT  PIC PTR         * POINTER TO RETURN BUFFER
```

2. STOP Codes and Exception Conditions

The following STOP codes may be generated by QRSCN$:

STOP code	Description
14605	QRSCN$ has been called by an application that is not running on GX.
14606	Invalid QS block version (QSVERS is not 1)

The following EXIT codes may be returned by QRSCN$:

EXIT code	$$COND	Description
14610	10	Unable to allocate temporary data page
14609	9	The total length of the GX command block has exceeded 8192.
14610	10	Scanned image file not found
14611	11	No barcode etc. found in the image

14612	12	Unexpected error from GX.

3. Programming Notes

QRSCN$ is only available with GSM SP-41, or later. In addition, QRSCN$ requires GX V6.0, or later.

The QSTYPE field defines the type of image to scan for:

QSTYPE	Type of image
0	All
1	Aztec
2	Codabar
3	Code 39
4	Code 93
5	Code 128
6	Datamatrix
7	EAN 8
8	EAN 13
9	ITF
10	Maxicode
11	PDF 417
12	QR code
13	RSS 14
14	RSS expanded
15	UPC A
16	UPC E
17	UPC EAN extension

The length of the zero-terminated string returned by QRSCN$ in the buffer pointed to by QSPTXT is unpredictable. The longest string that a QR can encode is 4,296 characters therefore the size of the buffer should be at least 4,297 bytes (allowing for the binary-zero terminator).

4. Examples

None.

5. Copy-Books

None.

6. See Also

QRCRE$ Create QR Code Image File