

# SBTYP\$ - Return Type of Speedbase Database

The SBTYP\$ routine can be used to determine the type of a Speedbase database.

## 1. Invocation

To determine the type of a Speedbase database code:

```
CALL SBTYP$ USING fd type
```

where *fd* is a **closed** FD containing the name and unit of the Speedbase database; and *type* is a PIC 9(4) COMP field into which the type code is returned.

## 2. STOP Codes and Exception Conditions

No STOP codes are generated by SBTYP\$.

The following exceptions may be returned by SBTYP\$:

EXIT code	\$\$COND	Description
3901	1	Database file not found.
3902	2	Database file has an invalid file organization.
3903	3	Invalid Pervasive SQL/Microsoft SQL flag. The Schema File is corrupt (GSM SP-27, or later).
3904	4	Invalid DBX/non-DBX flag. The Schema File is corrupt GSM SP-27, or later).

## 3. Programming Notes

The full database name with the "DB" prefix (e.g. DBDEMON) must be specified in the filename field of the FD.

The following values may be returned in the *type* file:

Value returned in <i>type</i>	Database format	Associated database utilities	Associated sub-routines
0	Global format Speedbase database (a.k.a. "native" database)	\$BADGN \$BARBL \$32BADG \$32BARB	B\$BAD B\$BCN B\$RBG B\$RBL
1	C-ISAM format Speedbase database	\$BADB	None

2	Pervasive SQL format Speedbase database (a.k.a. Btrieve) in "traditional" (non-DBX) format.	\$BADN \$BN32	B\$BNC B\$BND B\$BNN B\$BNP B\$BNR
3	Microsoft SQL format Speedbase database in "traditional" (non-DBX) format.	\$BADS \$BS32	B\$BNC B\$BND B\$BNN B\$BNP B\$BNR
4	Extended C-ISAM Speedbase database	\$BADC \$BC32	None
5	Pervasive SQL format Speedbase database (a.k.a. Btrieve) in DBX format. (GSM SP-27, and later).	\$DXU	B\$DBXC B\$DBXD B\$DBXN B\$DBXP B\$DBXR
6	Microsoft SQL format Speedbase database in DBX format. (GSM SP-27, and later).	\$DXU	B\$DBXC B\$DBXD B\$DBXN B\$DBXP B\$DBXR
>6	All other values are reserved for future use		

For GSM SP-27, SBTYP\$ has been extended to differentiate between DBX and non-DBX databases.

#### 4. Examples

[EXAMPLES REQUIRED]

#### 5. Copy-Books

None.

#### 6. See Also

None.