HOW TO IDENTIFY A TABLEBASE LIBRARY V5.x

As you prepare for migration to Version 6, you'll find that your first task is finding all of your existing tableBASE libraries. Hopefully, you'll have a complete record already of all the tableBASE libraries and applications. But if you don't then this document provides you with some techniques for identifying your Version 5 tableBASE libraries.

In tableBASE 5.0.2, tableBASE libraries are normally BDAM organization. In tableBASE 5.1, libraries could be BDAM or VSAM. However, the DSORG for non-VSAM libraries can also be PS for a tableBASE library. If PS is used, the library contents can be viewed and may be edited.

To recognize whether a dataset is a V5 tableBASE library the LRECL and BLKSIZE should be 3120.

Also, when you look at the first block in the library (block zero - see sample TBPRINTM JOB JCL following), you will see:

```
000000 0000          baCCENTS
            000200088CCCDEE400000
            000800021335532001100
```

The first 4 bytes (fullword) in block zero can be a value from X'00' to X'28'. This indicates the count of the number of table directory entries in this 3120 byte block. (There are a maximum of 40 entries in each directory block.) If this value = zeros, then there are no table directory entries in this block.

The next 4 bytes (fullword) in block zero are a pointer to the next directory block, if it exists. If it doesn't exist (= zeros), then your library will only have 1 directory block. If there are values in the first fullword, following this should be a table name (e.g. 'aCCENTS '). In the sample above, the next directory block is found at X'82', and the first table in the library is aCCENTS.

If BOTH fullwords in block zero are = zero, then there are no tables in the library. If the first fullword is zero and the second has a pointer, then the first directory block has zero entries and the subsequent directory block presumably has some entries.

The TBPRINTM utility dumps tableBASE library blocks. The number of blocks to be extracted is indicated by the SYSIN DD:

```
//***your job card ***
//*
//TBPRNTM  EXEC PGM=TBPRNTM
//STEPLIB  DD  DSN=***your TBASE.V5.LOADlib***,DISP=SHR
//ABNLIGNR DD  DUMMY
//SYSOUT   DD  SYSOUT=*
//SYSPRINT DD  SYSOUT=*
//SYSABEND DD  SYSOUT=*
//NMAINLIB DD  DISP=SHR,DSN=***your.TBASE.V5LIBrary***
//SYSIN    DD  *
000000 000010           <===  extract blocks zero to 10
//
```