B$D-WR – Direct File Access Write Speedbase Channel

The B$D-WR routine is one of a family of sub-routines that are reserved for use by the G-3000 Middleware DLMs. B$D-WR(ITE) writes a Speedbase channel to an open BDAM file.

1.   Invocation

To write a record to the open BDAM file from a Speedbase channel code:

```
CALL B$D-WR USING $record
```

where $*record* is a valid Speedbase record-id prefixed with the $ symbol. For example $AD, $RC etc.

2.   STOP Codes and Exception Conditions

No STOP codes are generated by B$D-WR.

The following EXIT codes may be returned by B$D-WR:

EXIT code	$$COND	Description
1	1	An error occurred writing to the BDAM file.

3.   Programming Notes

B$D-WR(ITE) has been derived from a G-3000 Middleware DLM. Consequently, some of the functionality (e.g. the STOP codes) may be non-standard.

The BO$G3M DLM, rather than the calling program, contains the File Definition (FD) used for the various Direct Access File operations.

For non-DBX databases (with all versions of GSM) the following data is written to the BDAM file:

```
01    BDAM-RECORD
 02    RECIDPIC X(2)           * RECORD-ID
 02    FILLER    PIC X(2)          * FILLER SET TO LOW-VALUES
 02    RECDATA   PIC X(n)          * VARIABLE LENGTH RECORD DATA
```

For GSM SP-40, and later, for DBX databases the following data is written to the BDAM file:

```
01    BDAM-RECORD
 02    RECIDPIC X(2)           * RECORD-ID
 02    RECDATA   PIC X(n)          * VARIABLE LENGTH RECORD DATA
```

For GSM SP-39, and earlier, for DBX databases the following data is written to the BDAM file:

```
01    BDAM-RECORD
 02    FILL1     PIC X(2)       * 2 BYTES OF RANDOM DATA
 02    RECDATA   PIC X(n)       * VARIABLE LENGTH RECORD DATA
 02    FILL2     PIC X(2)       * 2 BYTES OF RANDOM DATA
```

For all databases, and all GSM versions, if the write operation succeeds the File Address (FDFAD) file in the internal File Definition is increased by the length of the data written.

4.   Examples
[EXAMPLE REQUIRED]

5.   Copy-Books
None.

6.   See Also
B$D-2R   Direct File Access Simple Read Next Routine (B$D-2RNXT)
B$D-2W   Direct File Access Simple Write Next Routine (B$D-2WRITE)
B$D-CH   Direct File Access Check and Close Routine (B$D-CHK)
B$D-CL   Direct File Access Close Routine (B$D-CLOSE)
B$D-DE   Direct File Access Delete Routine (B$D-DELETE)
B$D-IN   Direct File Access Return File Information Routine (B$D-INFO)
B$D-OL   Direct File Access Open Old Routine (B$D-OLD)
B$D-OP   Direct File Access Open New Routine (B$D-OPEN)
B$D-PO   Direct File Access Set Current File Position Routine (B$D-POSITION)
B$D-UN   Direct File Access Set Unit Routine (B$D-UNIT)
B$E-CL   Direct File Access Extra Close Routine (B$E-CLOSE)
B$E-GE   Direct File Access Get Record Length Routine (B$E-GET-RLEN)
B$E-RN   Direct File Access Simple Read Block Routine (B$E-RNXT)
B$E-SE   Direct File Access Set Record Length Routine (B$E-SET-RLEN)
B$E-ZE   Direct File Access Set File Address to Zero Routine (B$E-ZERO)
R$B-SA   Direct File Access Save Address of Current Record (R$B-SAVE)
R$B-WR   Direct File Access Rewrite from Saved File Address (R$B-WRITE)
R$B2WR   Direct File Access Rewrite from Saved File Address (R$B2WRITE)
R$PFSC   Direct File Access Check For Free Space (R$PFSCHK)