

## COMMUNITEL RANDOM ACCESS FILING SYSTEM FORMAT

The DFS CommuniTel Random Access database of pages is held in a file named VWDB. The file occupies the whole of one side of a disc and can contain up to 195 frames on a 80T disc or 95 frames on a 40T disc. Each frame is 1Kb in size

### OVERALL STRUCTURE

Byte	Contents
0 - 26	Catalogue heading
27 - 511	Gap - unused
&100 - &10FF	Catalogue of Frames 256 available entry slots, numbered 0 - 255 Each entry slot is 16 bytes in size.
&1100 - EOF	Frame Table Frames stored sequentially Each frame is 1024 (&400) bytes in size Space for 195 frames on 80T disc or 95 frames on 40T disc

### CATALOGUE HEADING FORMAT

Byte	Fields
0	&AA
1	&55
2	&AA
3	&55
Database validity check bytes	
4 - 12	Database Title 9 bytes ASCII, left justified space filled
13	Fake CRC - not used
14	
15 - 22	Date 8 bytes ASCII dd/mm/yy (Not used)
23	Access byte - not used
24	Number of frames in use
25	Number of frames deleted
26	Maximum number of frames

**CATALOGUE ENTRY FORMAT**

Each catalogue entry occupies 16 bytes and contains an index of pointers to each frame in the file.

Byte	Field
0	Usage status &00 = not used &40 = deleted. Space is available for use if required. &80 = In use
1 - 10	Frame name 10 bytes ASCII Left justified padded with trailing spaces Name : up to 9 characters ID : 1 character ( a - z)
11	Offset Gives the position of the frame in the frame table. Value in the range 0 - Max Number of Frames  Calculate actual offset from Table Start + Offset x &400 &1100 + Offset x &400
12 - 13	Load address of the frame (not used) Low byte then High byte
14 - 15	Reload address of the frame (not used) Low byte then High byte