

DSR CHOICES OF PAB PROCESSING

Last Update: 05-16-83

* Existing Application Software

- 99/4A
- VDP RAM Default(PAB Format Bit = 0)
- Old PAB format
- Buffer

- 99/Dillo
- VDP RAM Default(PAB Format Bit = 0)
- Old PAB format
- Buffer

* New Application Software

- 99/4A and 99/Dillo
- VDP RAM If PAB Format Bit = 0
- Old PAB format
- Buffer

- 99/Dillo (ONLY)
- CPU RAM If PAB Format Bit = 1
- New PAB format and CPU Type = 0
- Buffer

PAB Format Bit:

Memory Location >B354, MSB Bit = 1; Data Buffer and PAB will be in CPU RAM.
MSB Bit = 0; Data Buffer and PAB will be in VDP RAM.

CPU Type:

Determined by the following: CLR R12
TB >1A

IF CPU Type = '1', THEN 99/4A
'0', THEN 99/DILLO

TI INTERNAL DATA

NEW PAB FORMAT

(0) I/O Op-code	(1) Flags
(2), (3) Data Buffer Address	
(4), (5) Character Count	
(6), (7) Record Number	
(8), (9) Logical Record Length	
(10) Screen Offset	(11) Logical Unit Number
(12) Error Status	(13) Name Length
(14), (15) File Descriptor	
(16), (17) File Descriptor	
(18), (19) File Descriptor	
(20), (21) File Descriptor	
(22), (23) File Descriptor	

TI INTERNAL DATA

OLD PAB FORMAT

(0)	I/O Op-code	(1)	Flag/Status
(2), (3)	Data Buffer Address		
(4)	Logical Record Length	(5)	Character Count
(6), (7)	Record Number		
(8)	Screen Offset	(9)	Name Length
(10), (11)	File Descriptor		
(12), (13)	File Descriptor		
(14), (15)	File Descriptor		
(16), (17)	File Descriptor		
(18), (19)	File Descriptor		

TI INTERNAL DATA

NEW PAB FORMAT
ERROR CODE DEFINITION

<u>Old Error Code</u>	<u>Meaning</u>
0	Bad device name
1	Device is write-protected
2	Bad open attribute
3	Illegal operation
4	Out of table or buffer space on the device
5	Attempt to read past the end of file
6	Device error
7	File error such as program/data file mismatch, non-existing file opened in INPUT mode, etc.

The new error code has one byte, four bits will represent the old error code, (NOTE - We still have 8 - F available), and the other four bits will be used to explain the error code in detail.

Example:

<u>New Error Code</u>	<u>Meaning</u>
70	File error, caused by program file mismatch
71	File error, caused by data file mismatch
72	File error, caused by non-existing file opened in INPUT mode.
73	
74	
75	

TI INTERNAL DATA