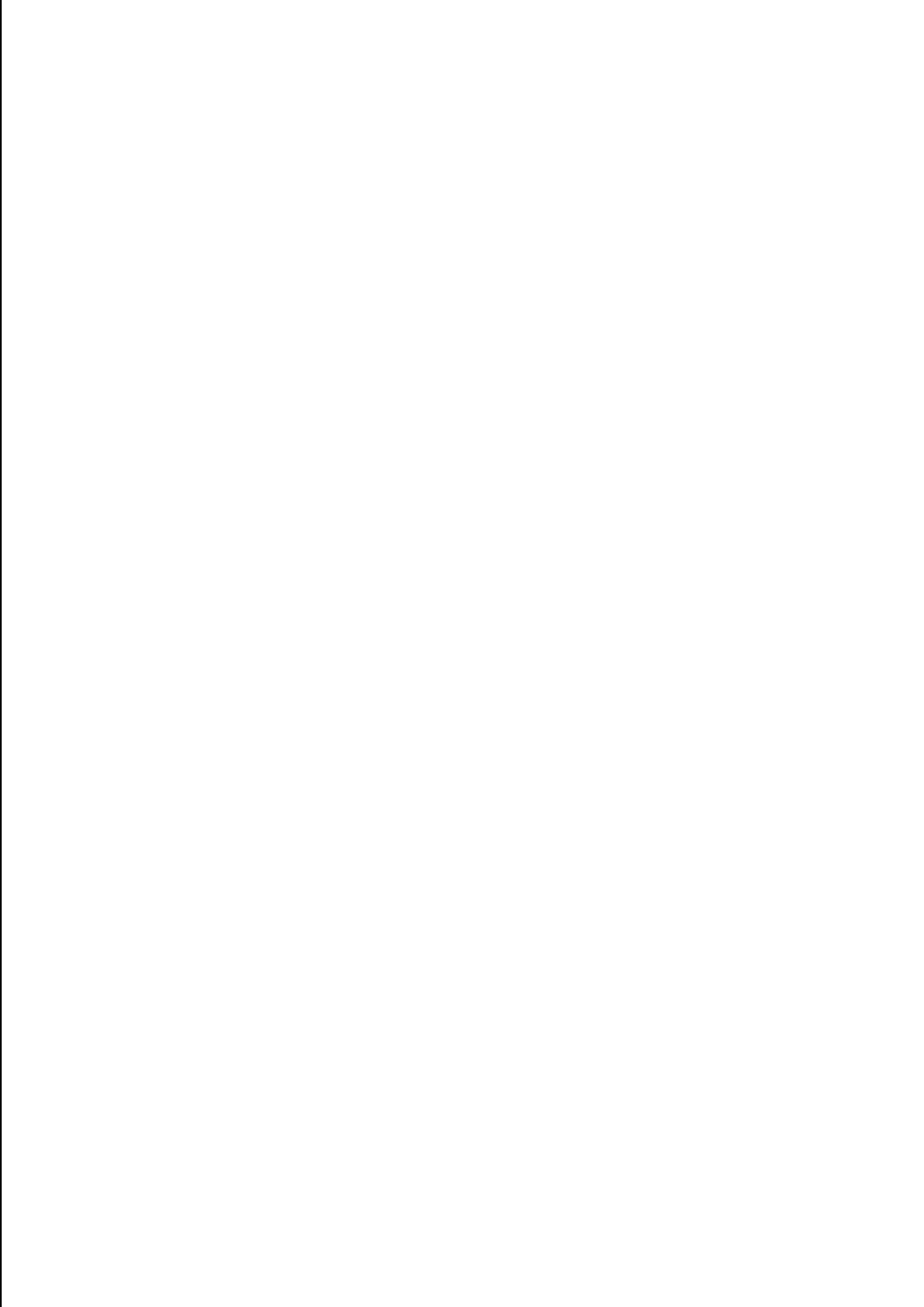


CHAPTER 27

REFERENCE

\* \* \* \* \*  
\*  
\* Under the right hand box at the top of each reference page is \*  
\* printed the number of the section in the appropriate chapter \*  
\* where the relevant subject is discussed. \*  
\* \* \* \* \*



REFERENCE

---

CDTAB

COMMON DEVICE TABLE

CDTAB

15.6

TABLEN	
INDEX	FC1
DWT1/FDB	
INDEX	FC2
DWT2/FDB	

REFERENCE

CRN

CURRENT RECORD NUMBER POINTER

CRN

19.4.4

FDB (Data File)
FDBCRL

Link	
Task no.	Status
Zero	
Record Number	
FN	
Record Number	

CD = Current  
Data File

CI = Current  
Index File

REFERENCE

CWTLTy

CHANNEL WORK TABLE LOCAL TERMINALS

CWTLTy

13.3.5

CWTLTy

y = 1-4

CWTLDW	Last output DWT
CWTLOW	Last output word
CWTITA	Address to interrupt table
CWTINR	INR - instruction
CWTOTR	OTR - instruction
CWTCIS	CIO - start
CWTRTC	Retransmission counter
CWTEQ	Queue first terminal on channel
CWTADD	NAK - accumulator
	Retransmission fault accumulator
	Undefined interrupt accumulator
ACKTIM	Pointer time-out accumulator

REFERENCE

---

DAB

DRIVER ADDRESS BLOCK

DAB

15.8

DAB		
byte		
-6	KEYLEN	only with MMU key table length
-4	BUFLN	buffer length
-2	DEVIND	device index
0	ACTADR	activation address
2	ABTADR	abort address
4	INTADR	interrupt address
6	RECADR	recovery address
8	ECHADR	echo address

REFERENCE

---

DISQUE

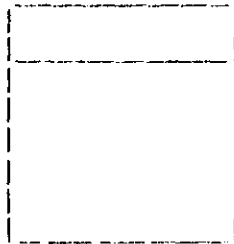
DISPATCHER QUEUE

DISQUE

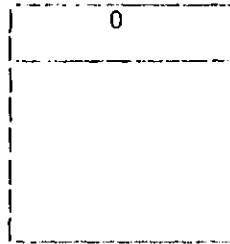
14.2

DISQUE

TTAB2



TTAB4



REFERENCE

DMBUF

DATA MANAGEMENT BUFFER

DMBUF

19.5

Cyclic Buffer Link	Use Bit	BUFLNK
File Number		BUFDMI
Sector Number (2 words)		BUFSNR
LRU Index (Least Recently Used)		BUFOR
Disk Buffer		BUFSTA



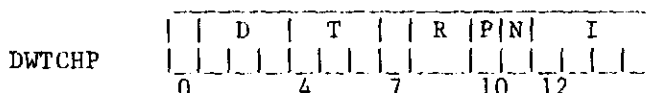
REFERENCE

DRDIO1

SIGNAL DISPLAYS AND KEYBOARD LAMPS

DRDIO1

Display characteristics are defined in the first word of the DWT, DWTCHP, which is layed out as follows:-



The bits in this word contain the following:-

- bit 0 : Set to 1.
- D (bits 1 to 3) : Device address on selector unit.
- T (bits 4 to 6) : Terminal address on CHLT OR CHRT.
- bit 7 : Set to zero.
- R (bits 8 & 9) : Reserved.
- P (bit 10) : Set to 1 for PTS 6241.
- N (bit 11) : 0 for PTS 6241, 6242, or 6233.  
1 for PTS 6232, 6234, 6236, 6271, 6272, or 6331.  
  
1 for output to BCR.
- I (bits 12 to 15) : Channel unit Index.  
/0 = First CHLT.  
/2 = Second CHLT.  
/4 = First CHRT.  
/6 = Second CHRT.

Another word in the DWT is required by the driver. It is DWTSB at displacement . Display information is preset into this word as follows:-

- /2010 for PTS 6233, 6241, or 6242.
- /0000 for PTS 6232, 6236, 6261, 6271, 6271, or 6331.

For a PTS 6241 two further words are required, following DWTSB, as follows

- DWTSB : /2010
- /3F4F
- /5F6F

REFERENCE

---

DRDI01

(continued)

DRDI01

If order /39 is included in the driver, another two extra words are required in the DWT, following the above mentioned words, as follows:-

```
DWTSB : /0000
        /3F4F
        /5F6F | if order /07, else zeroes.
        /0000
        /0000
```

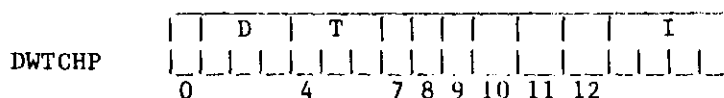
REFERENCE

DRDY01

VIDEO & PLASMA DISPLAYS

DRDY01

Display characteristics are defined in the first word of the DWT, DWTCHP, which is layed out as follows:-



The bits in this word contain the following:-

- Bit 0 : Zero.
- D (Bits 1-3) : Device address on selector unit.
- T (Bits 4-6) : Terminal address on CHLT/CHRT.
- Bit 7 : Zero.
- Bit 8 : Low intensity mode (6344 only).
- Bit 9 : Underline mode (6344 only).
- Bit 10 : Set to 1 in PTS 6385 or 6386, else 0.
- Bit 11 : Set to 0 if PTS 6344 or 6386.  
Set to 1 if PTS 6351 or 6342.
- I (Bits 12-15) : Index indicating channel unit.
  - 0 = first CHLT
  - 2 = second CHLT
  - 4 = first channel, first CHRT
  - 6 = second channel, first CHRT
  - 8 = first channel, second CHRT
  - A = second channel, second CHRT.

The number of display columns is contained in the byte DWTPOS at displacement on the DWT.

The number of display lines is contained in the byte DWTLIN at displacement on the DWT.

REFERENCE

---

DRGP01

GENERAL TERMINAL PRINTER

DRGP01

In one word of each DWT, printer characteristics are defined. This word has the following format

0	D	T	R	I

Bit 0 : Zero  
 Bit 1-3 : Device address on selector unit  
 Bit 4-6 : Terminal address on CHLT/CHRT  
 Bit 7 : Zero

Bit 8-11 : Reserved  
 Bit 12-15 : Index indicating channel unit

0 = first CHLT  
 2 = second CHTL  
 4 = first CHRT  
 6 = second CHRT

REFERENCE

---

DRKB01

KEYBOARD

DRKB01

Keyboard characteristics are defined in the DWT as follows:-

- DWTCHP: bit 10 = 0 Characters within /20 - /5F are  
(WORD 0) accepted for Standard Read.
- bit 10 = 1 Characters within /20 - /7F are  
accepted for Standard Read.
- bit 11 = 0 Characters within /30 - /39 and  
/70 - /79 are accepted for  
Numeric Read.
- bit 11 = 1 Characters within /30 - /79 are  
accepted for Numeric Read.
- bit 9 = 1 For keyboards/BCRs with time-out.
- bit 7 = 1 Indicating input device.
- DWTST: Bit 8 - 15. Device address times 2 for  
keyboard (WORD 1) with '8-bit' setting.
- DWTKEY: Code for the special keys  
(WORD ) KBEOR, KBCLR, KBBSP and KBMZ  
If code conversion is used the converted code  
should be used.
- DWTECH: DWT-address of echo-device.  
(WORD )
- DWTTP: Timer-indicator.  
(WORD )
- DWTCOD: Address to code conversion table. Set to zero  
(WORD ) if no conversion.

The circular input buffer is also situated in the DWT  
at displacement . Its length must be the same in  
all DWT's.

REFERENCE

---

DRKB03

KEYBOARD

DRKB03

Keyboard parameters are held in fields of the DWT as follows:-

DWTKY: Codes for special keys  
(WORD ?) KBCLR, KBBSP, KBM2, KBM3.  
Note that converted code should be used.

DWTECH: DWT-address of echo-device. Set to zero means  
(WORD ) no echo device.

DWTP: Timer-indicator. Set to zero if no timing  
(WORD ) wanted on this keyboard.

DWTCOD: Address to conversion address table CTABXX.  
(WORD )

The circular input buffer is also placed in DWT. Its length should be the same in all DWT's. It starts at displacement ??????.

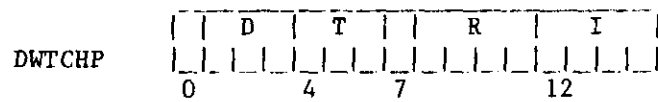
REFERENCE

DRTPO1

TELLER TERMINAL PRINTER

DRTPO1

Printer characteristics are defined in the first word of the DWT, DWTCHP, which is layed out as follows:-



The bits in this word have the following meanings:-

Bit 0 : Set to zero.

D (Bits 1 to 3) : Device address on selector unit.

T (Bits 4 to 6) : Terminal address on CHLT or CHRT.

Bit 7 : Set to 0 if on CHLT.  
Set to 1 if on CHRT.

R (Bits 8 to 11): Reserved.

Bits 12 to 15) : Channel unit Index.  
Bit 12 set - first CHLT.  
Bit 13 set - second CHLT.  
Bit 14 set - first CHRT.  
Bit 15 set - second CHRT.

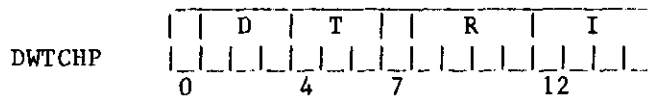
REFERENCE

DRTPO2

TELLER TERMINAL PRINTER

DRTPO2

Printer characteristics are defined in the first word of the DWT, DWTCHP, which is layed out as follows:-



The bits in this word have the following meanings:-

Bit 0 : Set to zero.

D (Bits 1 to 3) : Device address on selector unit.

T (Bits 4 to 6) : Terminal address on CHLT or CHRT.

Bit 7 : Set to 0.

R (Bits 8 to 11): Reserved.

Bits 12 to 15 : Channel unit Index.

/0 - first CHLT.

/2 - second CHLT.

/4 - first channel on first CHRT.

/6 - second channel on first CHRT.

/8 - first channel on second CHRT.

/A - second channel on second CHRT.



REFERENCE

DRTPO3

TELLER TERMINAL PRINTER

DRTPO3

Word 0 DWTCHP (Channel parameters)

0 1 3 4 6 7 8 9 12 15

NDR	DA	TA	I	D	J		CI
-----	----	----	---	---	---	--	----

- NDR: =1 No Data Request
- DA: =2 Device Address
- TA: Terminal Address on CHLT (CHRT)
- I: =1 Input message allowed
- D: Document inserted
- J: Journal paper in
- CI: Channel Index

Word 1 DWTST (Status)

0 3 5 7 15

NB	R	LE	IA	DI
----	---	----	----	----

- NB: Not Busy
- R: Recovery indicator
- LE: Line feed Executed
- IA: Interrupt Allowed
- DI: Device Index (0=journal, 1=document)

Note: In the numbering of the following words, the number preceding the slash applies to systems without MMU, and the number following the slash to systems with MMU.

Word 8/10 DWTOTQ (Output queue link)

DWTOTQ contains the address to the device table of device queuing for output via CHLT (CHRT).

WORD 9-11/11-13 DWT A3-A5 (Save area for A3-A5)

Word 12-15/14-17 DWTSB1-SB2 (A5 stack one-two level)

Word 16/18 DWTPP (Timer pointer)

DWTPP is used for time supervision of CHLT (CHRT).

Word 17/19 DWTPP (Printer parameters)

DWTPP are the actual printer parameters.

REFERENCE

D RTP03

(continued)

D RTP03

DWTPP

0            3    4            7            9 10 11            13 14    15

I	L	NCV	1	CPJ	1	CPD
---	---	-----	---	-----	---	-----

Bit 0 indicates that the printer and the document parameters have been set up after program loading.

- L:            Lower Case Indicator
- NCV:        National Character Variation
- CPJ:        Character Pitch for Journal
- CPD:        Character Pitch for Document

See Driver Description in M06/2 for details of above fields.

Word 18/20 DWTPPJ (Print Position Journal)

0    7    8    15

DWTPRJ	DWTAPJ
--------	--------

- DWTPRJ:    Requested number of print positions for journal.
- DWTAPJ:    Actual print position for document.

Word 19/21 DWTPPD (Print Position Document)

0    7    8    15

DWTRPD	DWTAPD
--------	--------

- DWTRPD:    Requested number of print position for document.
- DWTAPD:    Actual print position for document.

Word 20/22 DWTLN (Line Number)

0    7    8    15

DWTRLN	DWTALN
--------	--------

- DWTRLN:    Requested line number.
- DWTALN:    Actual line number.

REFERENCE

DRTPO3

(concluded)

DRTPO3

Word 21-25/23-27 DWTDP 1-5 (Document parameters)

These words are set up at system generation: They may be changed at run time by use of the order /27. See driver description in M06/2 for fuller details.

DWTDP1

1 4 6 7 12 15

	TO=Timeout		DT		LS=Line Spac.
--	------------	--	----	--	---------------

DWTDP2

1 7 9 15

	NL=Number of Lines		BL=Bottom Line
--	--------------------	--	----------------

DWTDP3

1 7 9 10 11 12 13 15

	MA=Margin		HP	CM		LM	MF=Mar.Fine
--	-----------	--	----	----	--	----	-------------

DWTDP4

1 7 9 15

	UE=Upper Edge		BE= Bottom Edge
--	---------------	--	-----------------

DWTDP5

1 7 9 15

	DW/UL=Doc. Width/ Upp. Lines		CW= Center Width
--	---------------------------------	--	------------------

REFERENCE

---

DRTW01

CONSOLE TYPEWRITER

DRTW01

Typewriter parameters are held in fields of the DWT as follows:-

DWTKEY: This holds the codes for the special keys  
(WORD ?) TWEOR, TWCLR, & TWBSP.  
Default codes for the keys are respectively  
/OD, /5E, & /5F.

DWTTP: The Timer Indicator. Set to zero if no timing  
(WORD ?) is wanted on this keyboard. If timing is not  
n the system then this word may be left out.

REFERENCE

DSCB

DATA SET CONTROL BLOCK

DSCB

20.1

DSCB

0            7 8    15

R		FILE CODE
X		CW2

Buffer Address

Requested Length

Effective Length

Return Code

Control Word 2

Control Word 1 (MS)

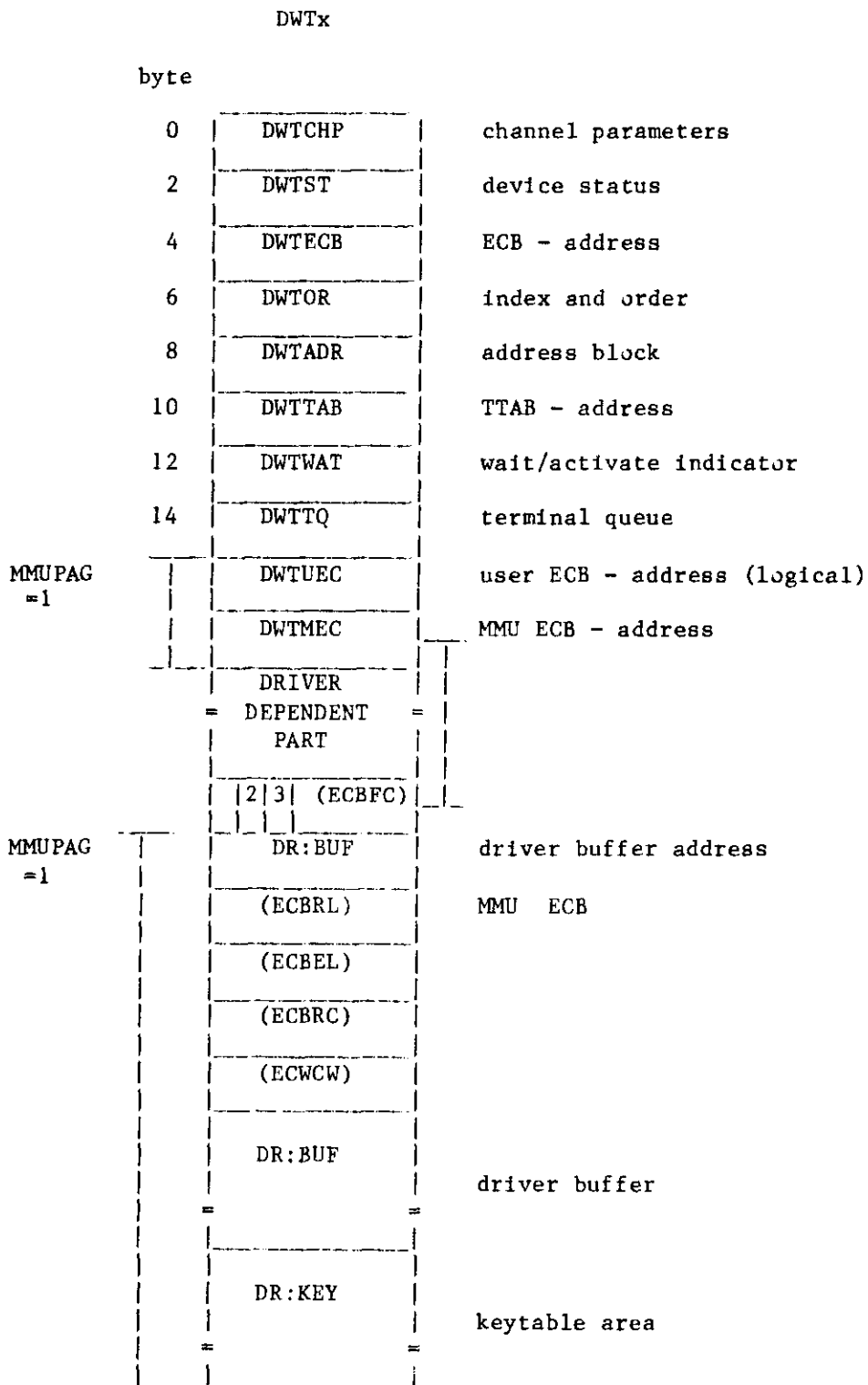
Length Item Address

Index Item Address

Receiving Item Address

DWT
DEVICE WORK TABLE
DWT

15.7



REFERENCE

D:zzz0

DESCRIPTOR TABLE

D:zzz0

20.2

D:zzz0

LENGTH			
I	N	T	L
0	D		
~	~	~	~

LENGTH Length of table in bytes

Two words per single data item

- I, bit 0, Zero
- N, bit 1, Zero
- T, bit 2, 3, type of data item
  - 00=string
  - 10=binary
  - 11=decimal
- L, bit 4-15, Length of the data item  
workblock
- D displacement of the data item in the  
workblock

I	N	T	L
0	D		
dim2		dim2	
not used		M	
~	~	~	~

4 words used for an array definition

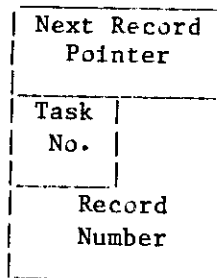
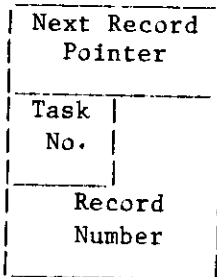
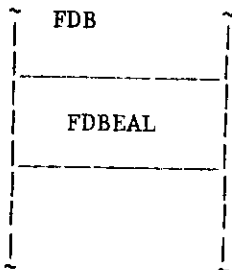
- I, bit 0, one
- N, bit 1, zero means one dimensional array  
one means two dimensional array
- T, bit 2, 3, type of array
  - 00 = string
  - 10 = binary
  - 11 = decimal
- L, bit 4-15, length of an array element.

EAL

EXCLUSIVE ACCESS LINK

EAL

19.4.5





REFERENCE

---

EWT

EXTENT WORK TABLE

EWT

19.4.6

0	EWTLNK	Link to next EWT block
2	EWTVOL	Volume file code
4	EWTEXL	Extent length

0	EWTLNK	Link to next EWT block
2	EWTVOL	Volume file code
4	EWTEXB	Extent base

REFERENCE

FDB

FILE DESCRIPTOR BLOCK

FDB

19.4.1

FDB

	Link to next FDB	FDBLINK
		DWTST
		DWTECB
		DWTOR
		DWTADR
		DWTTAB
		DWTWAT
		DWTTQ
		DWTUEC
		DWTMEC
		DWTTDM
	FWT (see 19.4.6)	
0		FDBECB/ECBFC
2		ECBBA
4		ECBRL
6		ECBEL
8		ECBRC
/A		ECBCW1
/C		ECBCW2

MMU only

REFERENCE

/E	Sector Number		FDBSNR
/12	Relative Record Offset		FDBRRO
/14	Record Length		FDBRLE
/16	Block Factor	Task Number	FDBBLF/FDBTNR
/18	No. of indexes	Last Record Number	FDBNIF/FDBLRN
/1C	EA Link Root		FDBEAL
/1E	CRN Link Root		FDBCRL
/20	Key Address/Index Counter		FDBKA
/22	Master Index Address		FDBMIA
/24	FDB Address, Data File		FDBADF
/26	FDB Address, Index File 1		FDBAI1
/28	FDB Address, Index File 2		FDBAI2
/2A	FDB Address, Index File 3		FDBAI3
/2C	FDB Address, Index File 4		FDBAI4
/2E	D/B Option	DM Task Id	FDBDBR/FDBDMI (D=Delay, B=Basic)
/30	Maximum Record Offset		FDBMRO
/32	Block Size	COMMIT Flag	FDBBLZ
/34	ECBFC		
/36	DR:BUF		
/38	ECBRL		
/3A	ECBEL		FDBMEC (MMU only)
/3C	ECBRC		
/3E	ECBCW1		
/40	ECBCW2		
	Index Key Area		FDBKEY (at /34 or /42)

REFERENCE

FWT

FILE WORK TABLE

FWT

19.4.6

	FWT	
0	FWTLNK	Link to next FWT
2	DWTST	
4	DWTECB	
6	DWTOR	
8	DWTADR	
/A	DWTTAB	
/C	DWTWAT	
/E	DWTQ	
/10	FWTVTC	VTOC Sector no. (First extent)
/12	FWTPAR   FWTFNR	Access params / File number
/14	FWTTAB	TTAB pointer for Exclusive Access
/16	FWTEW1	Pointer to next EWT block
/18	FWTSEX	File section/extent no (0,0)
/1A	FWTEXL	Extent length (1st extent)
/1C	FWTEW2	Pointer to next EWT block
/1E	FWTVOL	Volume file code (1st extent)
/20	FWTEXB	Extent base (1st extent)
/22	FWTNAM	
/24		
/26		File name
/28		
/2A	FWTQUE	Queue anchor for requests when attached (overwritten when DM is in use)

REFERENCE

---

PAGQUE

PAGE QUEUE

PAGQUE

18.4

PAGQUE

PAGBLK

PAGQF
PAGQB
PAGPA
PAGSB

PAGBLK

PAGQF
PAGQB
PAGPA
PAGSB

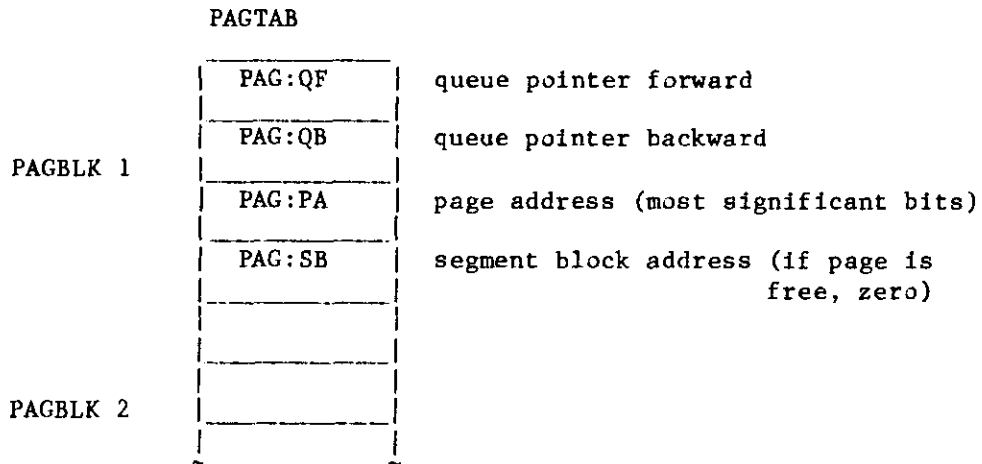
LRU

PAGTAB

PAGE TABLE

PAGTAB

18.6.2



REFERENCE

---

PENDQUE

PENDING QUEUE

PENDQUE

14.3

TTAB

Pending Pointer TTB:PP

Pointer to next Blocks in Queue
Pointer to 2nd Parameter Block
Param. 1

Segment Number
Dispatch Address
Param. 2

PFTAB

POWER FAILURE TABLE

PFTAB

17.3

PFTAB

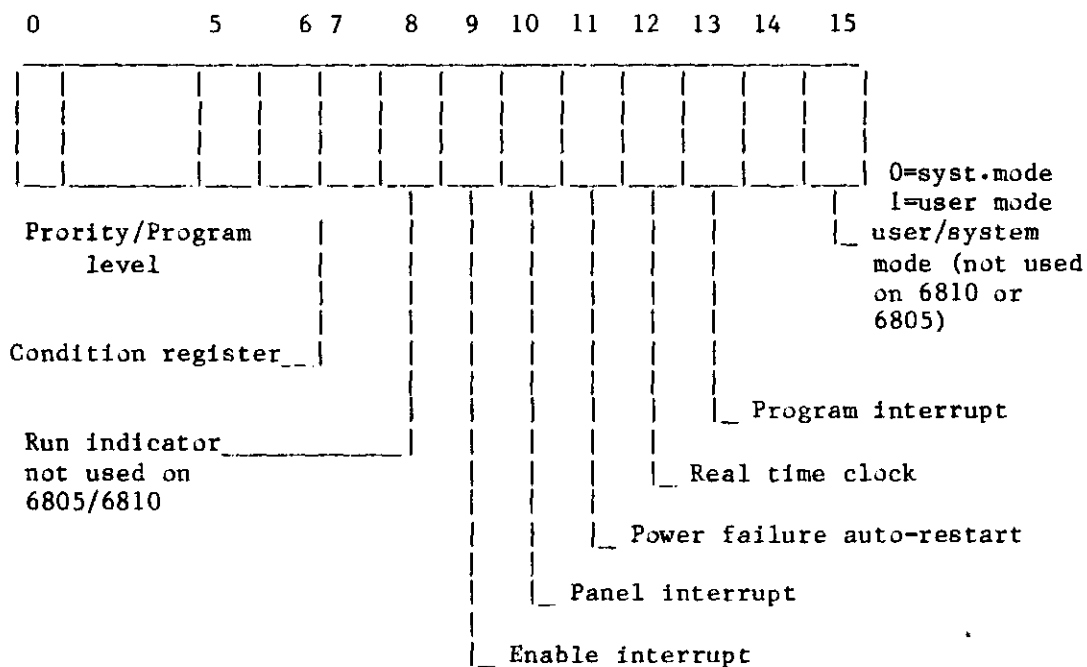
LENGTH



REFERENCE



4.3.4



P:MTAB

PROGRAM TABLE

P:MTAB

24.11

Each item is two bytes.

Pointers to:-

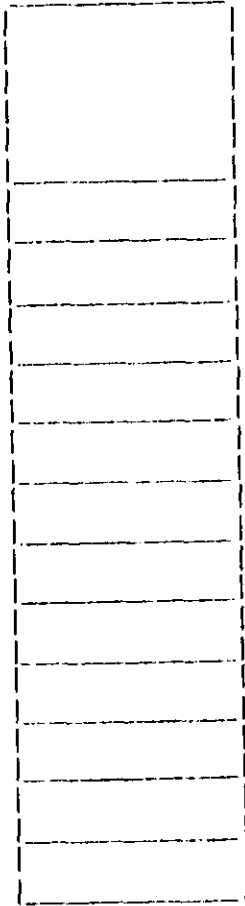
byte		
0	T:ATAB	Task control area table
2	U:BTAB	User work block control table
4	I:NTPA	System start address ( in interpreter)
6	P:BAS	Start a base module (P:PIL)
8	T:BAT	Branch address table
A	T:CAT	Call address table
C	T:PAT	Perform address table
E	T:LIT	Literal point pointer
10		Highest index +1 in T:LITs
12	T:KEY	Key table pointer
14		Highest index +1 in T:KEY
16	T:PIC	Picture pointer
18		Highest index +1 in T:PIC
1A	T:FMT	Format pointer
1C		Highest index +1 in T:FMT
1E	P:END	End of base module (P:PIL)
20	T:AID	Task ID table (for credit debugger)
22	OPTION	SYSTEM option (SCTOPT)
24	LITADR	Literal addressing mode
26	ADRMOD	Data addressing mode
28	S:BTAB	Swappable workblock control table
		5 words used by Assembler debugger.

P:PIL

COMMON CODE PART

P:PIL

Chapter 22



CODE part

CALL address table

BRANCH address table

PERFORM address table

Literal pool

Picture pool

Keytable

Format pool

Literal descriptors

Picture descriptors

Keytable descriptors

Format descriptors

Pointers to pools and descriptors

REFERENCE

SCT

SYSTEM CONTROL TABLE

SCT

15.3

byte		
/9E	SCTMSZ	memory size (kB)
/A0	SCTSFA	start of free area (2 words)
/A4	SCTEFA	end of free area (2 words)
/A8	SCTIPL	program loading device (C0,C1,F0,F1,F4,F5,F8,F9) cassette, flex-disk, or disk.
/AA	SCTANO	application number
/AC	SCTADA	application disk sector address (2 words)
/B0	SCTIOE	application restart address
/B2	SCTTCT	TCTAB address
/B4	SCTCDT	CDTAB address
/B6	SCTPAG	PAGTAB address
/B8	SCTSWB	SWBTAB address
/BA	SCTNOP	number of pages
/BC	SCTPSZ	page size (bytes)
/BE	SCTMNC	MMU-table common part entry (index rel. TTAB entry)
/C0	SCTLAC	logical address of common part
/C2	SCTMMP	MMU-table page entry (index rel. to TTAB entry)
/C4	SCTLAP	logical address of pages
/C6	SCTNPE	number of page entries

## REFERENCE

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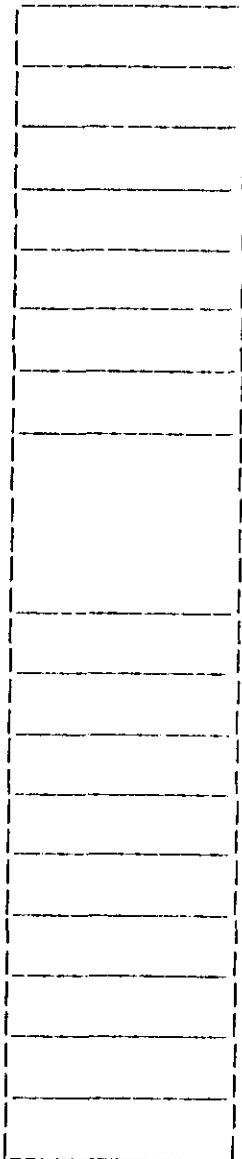
/C8	SCTSTB	system stack base
/CA	SCTOPT	system options
/CC	SCTBUG	debugger address (0 = not included)
/CE	SCTDMT	Data management information
/D0	SCTDMI	DM index record buffer size
/D2	SCTFWT	File Management; FWT address
/D4	SCTNOF	DM/FM; number of files
/D6	SCTNFT	DM/FM; number of files per task
/D8	SCTFWL	FM; FWT length in bytes
/DA	SCTBLK	number of blocks per task
/DC	SCTDCT	DC task in system

SEGMENT

LAYOUT OF SEGMENT X

SEGMENT

Chapter 23



Length of segment (bytes)

Length of code part (bytes)

Displacement to Branch address table

Displacement to Perform address table

Displacement to literal descriptor pair

Displacement to picture descriptor pair

Displacement to format descriptor pair

CODE part

BRANCH address table

PERFORM address table

literal pool

picture pool

format pool

literal descriptor pair

picture descriptor pair

format descriptor pair

pointers to pools and descriptors

The literal pool descriptor pair etc. consists of two words. The first word points to the corresponding descriptor table and the second word points to the pool itself.

REFERENCE

SEGTAB

SEGMENT TABLE

SEGTAB

18.6.1

		SEGTAB	
	-4	SEG:FC	file code of segment device
	-2	SEG:NO	Number of segments
	0	SEG:ST	status (/84 for segment zero) (8 bits)
SEGBLK 0		SEG:DS	logical address (in common part) (24 bits, 1st 8 bits 0 for segment 0)
		SEG:EL	not used
		SEG:PB (0)	page block address (none)
		SEG:ST	segment status
SEGBLK 1		SEG:DS	disk address (if disk paging)
		SEG:EL	effective length (bytes/segment)
		SEG:PB	page block address
SEGBLK 2			

REFERENCE

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SWBTAB

SWAPPABLE WORKBLOCK TABLE

SWBTAB

18.6.3

SWB:NC
SWB:DS
SWB:EL
SWB:NS

Number of types of SWB's

Pointer to a block of the first type

Pointer to a block of the second type

Number of copies

Disk address of first copy

Length in bytes

Number of sectors



REFERENCE

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S:BTAB

SWAPPABLE WORKBLOCK CONTROL TABLE

S:BTAB

20.5

S:BTAB

-2	TABLE LENGTH	
0		RELATIVE RECORD NUMBER
2		Number of blocks
4		Length of a block

REFERENCE

S:GTAB

SEGMENT TABLE

S:GTAB

24.10.1

Each item occupies two bytes.

One block for each segment	PPMTAB	Pointer to P:MTAB
	PRGTYP	Program type, CR=CREDIT AS=Assembler
	Reserved	
	Reserved	
	PAGLG	Page length
	NUMSEG	Number of segments
	SEGTYT	Segment type, C=core-resident D=resident
	ADDRESS	Logical record number
	SEGLG	Length in bytes

REFERENCE

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TCTAB

TASK CONTROL TABLE

TCTAB

15.4

TCTAB

TABLEN
Pointer to TTAB1
Pointer to TTAB2
Pointer to TTAB3

TIMQUE

TIMER QUEUE

TIMQUE

16.2

TIMQUE

Pointer To Next Timer In Queue
Pointer To 2nd Timer Block
Timer Value (Negative)

Time Out Address
Parameter

REFERENCE

TTAB

TASK TABLE

TTAB

15.5

byte			
-34	TTB:MT	MMU-table (optional) (16 words) MMUPAG=1	
-2	TTB:SB	segment block pointer	
0	TTB:QL	dispatcher queue link	
2	TTB:ID	task identifier	
4	TTB:ST	task status	
6	TTB:PP	pending pointer	
8	TTB:PW	program status word (PSW)	
10	TTB:SA	dispatch address	
12	TTB:SA+2		
	~	save area A1-A14	
	TTB:SA+28		
38	TTB:TD	table length	
40	INDEX1   FC1	terminal device	
42	DWT1 / FDB		
44	INDEX2   FC2		
46	DWT2 / FDB		

T:AID

TASK IDENTIFICATION TABLE

T:AID

24.10.2

	-2	LENGTH
T:AID	0	task id-1
	2	task id-2
	4	task id-3

REFERENCE

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T:ATAB

TERMINAL CONTROL AREA TABLE

T:ATAB

24.10.2

	-2	LENGTH
T:ATAB	0	T:Axx0
	2	T:Ayy0
		~
		~
		~

REFERENCE

T:Axxy

TASK CONTROL AREA

T:Axxy

20.1

	FCB (optional)	Format Control Block (33 words)
DAT	DSCB's	10 words for each data set
-/E	CSE	Current segment end
-/C	CSB	Current segment base
-/A	CSN	Current segment number
-/8	T:DAD	Pointer to task descr. table (T:Dxxx)
-/6	CIA	Current instruction address
-/4	TID	Task identifier
-/2	STKE	Stack end pointer
0	PA	Current stack pointer
+2	STKB	Stack base pointer
+4	Descr. Table pointer.	
+6	Work block pointer.	
		WAT Working storage allocation table pointers



REFERENCE

T:Dxxxy
TERMINAL CLASS DESCRIPTOR TABLE
T:Dxxxy

20.3

0	FCBD	Displacement of FCB in T:A
2	CID	Terminal class identifier
4	DATLEN	Number of entries in DAT
6	WATLEN	Number of entries in WAT
8	TWBMSK	Mask for TWB's
10	SWBMSK	Mask for SWB's <span style="float: right;">one bit (=1) per WAT entry</span>
12	CWBMSK	Mask for CWB's <span style="float: right;">per type</span>
14	UWBMSK	Mask for UWB's
	/2A	
		Dummy block table. One byte for each entry in WAT. If DWB the corresponding workblockindex is put here. If not DWB, the byte is zero. Length of table is 2 to 16 bytes.
	Segment No.	Re-entry point, 1st word is segment number (=FFFF if not in existence) 2nd word is logical address in segment
	n	n is number of start points 1st start point. 1st word is segment number, 2nd word is logical address in segment. 2nd start point, etc.

U:BTAB

USER WORKBLOCK TABLE

U:BTAB

20.4

