

DDDDDDDD	LL	EEEEEEEEEE	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF	
DDDDDDDD	LL	EEEEEEEEEE	DDDDDDDD	EEEEEEEEEE	FFFFFFFFFF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EEEEEEEE	DD DD	EEEEEEEE	FFFFFFFF	
DD DD	LL	EEEEEEEE	DD DD	EEEEEEEE	FFFFFFFF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EE	DD DD	EE	FF	
DD DD	LL	EE	DD DD	EE	FF	
DDDDDDDD	LLLLLLLLLL	EEEEEEEEEE	DDDDDDDD	EEEEEEEEEE	FF
DDDDDDDD	LLLLLLLLLL	EEEEEEEEEE	DDDDDDDD	EEEEEEEEEE	FF

SSSSSSSS	DDDDDDDD	LL
SSSSSSSS	DDDDDDDD	LL
SS DD	DD DD	LL
SS DD	DD DD	LL
SS DD	DD DD	LL
SS DD	DD DD	LL
SS DD	DD DD	LL
SS DD	DD DD	LL
SS DD	DD DD	LL
SS DD	DD DD	LL
SS DD	DD DD	LL
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SSSSSSSS	DDDDDDDD	LLLLLLLLLL
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Version 'V04-000'

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{++
FACILITY: DECnet-VAX DLE driver definitions
ABSTRACT:
    This file contains the DLE structure definitions.
ENVIRONMENT:
    n/a
--
AUTHOR:
    Tim Halvorsen, January 1983
MODIFIED BY:
    V001    TMH0001    Tim Halvorsen    21-Apr-1983
    Add unique identifier to DWB.
--

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```

DLE window block, which contains the context for a single DLE
connection. There may be many DLE connections on a single
circuit, such as an Ethernet.

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```

MODULE $dwbdef;

```

```

AGGREGATE dwb STRUCTURE PREFIX dwb$:
  flink ADDRESS TAG L;      { Forward link
  blink ADDRESS TAG L;      { Backward link
  size  WORD;               { Bytes allocated for structure
  type  BYTE;               { Code identifying structure type
  access BYTE;              { IOS_ACCESS flags (see WCB definition)
  refcnt WORD;              { Number of accessors of window
  flags STRUCTURE TAG W;    { Flags
    run BITFIELD MASK;      { Set if available for I/O
    dll_rbf BITFIELD MASK;  { Set if datalink does buffered rcvs
    dll_xbf BITFIELD MASK;  { Set if datalink does buffered xmits
    bc BITFIELD MASK;       { Set if circuit is an Ethernet
    delete BITFIELD MASK;  { Set if DWB is to be deallocated
    #num_flags = 5;
    fill_1 BITFIELD         { Pad out to a full word
      LENGTH 16-#num_flags;
  END flags;
  orgucb ADDRESS TAG L;     { Original UCB (see WCB definition)
{
{ The above must correspond to the WCB structure, so that normal
{ VMS functions can operate on these windows just like WCBs.
{ The remainder of the block from this point is DLE specific.
{

rcv_msg QUADWORD;          { Received message (CXB) queue
user_rcv QUADWORD;         { User receive IRP queue
user_xmt QUADWORD;         { User transmit IRP queue
xmt_pnd QUADWORD;          { User transmits issued to datalink
pid LONGWORD;              { PID of accessor
ucb0 LONGWORD;             { Address of ND's UCBO
chan WORD;                  { Channel of accessor
path WORD;                  { LPD of circuit
remnod CHARACTER LENGTH 6  { 48-bit remote node address
      TAG G;                { used for DLE over Ethernet
substa BYTE;                { DLE substate (see NMA$C_LINSS_xxx)
irpcnt BYTE;                { Count of outstanding datalink I/O
dll_ucb ADDRESS TAG L;     { Address of datalink UCB
dll_chan WORD;             { Datalink channel
id WORD;                    { Unique identifier of DWB
                          { (used as collating sequence of list)
CONSTANT "length" EQUALS . { Length of structure
      TAG C;
END dwb;

```

DLEDEF.SDL;1

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END_MODULE \$dwbdef;

