

```
LLL      AAAAAAAAA  TTTTTTTTTTTTTTTTT
LLL      AAAAAAAAA  TTTTTTTTTTTTTTTTT
LLL      AAAAAAAAA  TTTTTTTTTTTTTTTTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAAAAAAAA  TTT
LLL      AAAAAAAAA  TTT
LLL      AAAAAAAAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLL      AAA        AAA  TTT
LLLLLLLLLLLLLLLL  AAA  TTT
LLLLLLLLLLLLLLLL  AAA  TTT
LLLLLLLLLLLLLLLL  AAA  TTT
```

```

LL      AAAAAA  TTTTTTTTTT  DDDDDDDD  EEEEEEEEEE  FFFFFFFFFF
LL      AAAAAA  TTTTTTTTTT  DDDDDDDD  EEEEEEEEEE  FFFFFFFFFF
LL      AA      AA      TT      DD      DD  EE      FF
LL      AA      AA      TT      DD      DD  EE      FF
LL      AA      AA      TT      DD      DD  EE      FF
LL      AA      AA      TT      DD      DD  EE      FF
LL      AA      AA      TT      DD      DD  EEEEEEEE  FFFFFFFF
LL      AA      AA      TT      DD      DD  EEEEEEEE  FFFFFFFF
LL      AAAAAAAAAA  TT      DD      DD  EE      FF
LL      AAAAAAAAAA  TT      DD      DD  EE      FF
LL      AA      AA      TT      DD      DD  EE      FF
LL      AA      AA      TT      DD      DD  EE      FF
LLLLLLLLLL  AA      AA      TT      DDDDDDDD  EEEEEEEEEE  FF
LLLLLLLLLL  AA      AA      TT      DDDDDDDD  EEEEEEEEEE  FF

```

```

SSSSSSSS  DDDDDDDD  LL
SSSSSSSS  DDDDDDDD  LL
SS      DD      DD  LL
SS      DD      DD  LL
SS      DD      DD  LL
SS      DD      DD  LL
SSSSSS  DD      DD  LL
SSSSSS  DD      DD  LL
SS      DD      DD  LL
SS      DD      DD  LL
SS      DD      DD  LL
SS      DD      DD  LL
SSSSSSSS  DDDDDDDD  LLLLLLLLLL
SSSSSSSS  DDDDDDDD  LLLLLLLLLL

```

```

....
....
....
....

```



{ TITLE LATDEF DEFINITIONS FOR LAT HOST DRIVER

{ ident 'V04-000'

```

*****
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```

MODULE \$latdef;

```

/****
/*
/* FACILITY: LAT host driver
/*
/* ABSTRACT: Data structure definitions for LAT host driver
/*
/* ENVIRONMENT: VAX/VMS operating system
/*
/* AUTHOR: Darrell Duffy,
/* Joe Marchesani
/*
/* DATE: 4-JULY-1983
/*
/* MODIFIED BY:
/*
/* V03-009 RNG0009 Rod Gamache 5-Jul-1984
/* Add definition for history buffer structure.
/*
/* V03-008 RNG0008 Rod Gamache 2-Mar-1984
/* Add Transmit error code, XERRCOD.
/* Remove LAST INTERRUPT TIME and MAXIMIM INTERRUPT TIME.
/*
/* V03-007 RNG0007 Rod Gamache 27-Mar-1984
/* Add constants for number of maximum active CSBs and
/* maximum inactive CSBs.
/* Add constant for counter area in CSB.
/*

```

```
/* V02-006   RNG0006   Rod Gamache   2-Mar-1984
/*           Make a common counters aggregate.
/*
/* V02-005   djd0001   Darrell Duffy  29-feb-1984
/*           Add lat and vms versions and pointers to csb lists and queues
/* V02-004   RNG0004   Rod Gamache   3-Jan-1984
/*           Minor modifications for new LTDRIVER
/*--
```

.....

```

/*
/* LAT circuit block counters
/*

```

```
aggregate LCBDEF structure fill prefix LCB_;
```

```

MSG_XMT      longword unsigned; /* Messages sent
MSG_RCV      longword unsigned; /* Messages received
MSG_REXMT    longword unsigned; /* Messages retransmitted
SEQ_ERR      word      unsigned; /* Messages received out of sequence
INV_MSG      byte      unsigned; /* Invalid messages received
INV_SLOT     byte      unsigned; /* Invalid slots received

constant 'LENGTH' equals . tag K; /* Structure size
constant 'LENGTH' equals . tag C; /* Structure size

```

```
end LCBDEF;
```

```

/*
/* LAT history buffer format
/*

```

```
aggregate HBFDEF structure fill prefix HBF_;
```

```

NEXT         longword unsigned; /* Pointer to next slot in bufr
BUFEND       longword unsigned; /* Pointer to end of bufr
SIZE         word      unsigned; /* Size of history buffer
TYPE         byte      unsigned; /* Type of structure
SPARE        byte      unsigned; /* SPARE BYTE
DATA         byte      unsigned tag Z; /* Start of history data

constant 'LENGTH' equals . tag K; /* Structure size
constant 'LENGTH' equals . tag C; /* Structure size

```

```
end HBFDEF;
```

```

/*
/* LAT communications area
/*

```

```
aggregate COMM_AREA structure prefix GHBS ;
```

```

VMSVERSION   word unsigned; /* Version of VMS
LATVERSION   byte unsigned; /* LAT protocol version
LATECO       byte unsigned; /* LAT protocol eco
SETENTRY     longword unsigned; /* Address of the set entry
HISTORY      longword unsigned; /* Pointer to the history
SHUTENTRY    longword unsigned; /* Address of shutdown entry
STENTRY      longword unsigned; /* Address of startup entry
UCB          longword unsigned; /* Address of Data Link UCB
TIM_ACT      longword unsigned; /* Timer active flag
NODE         longword unsigned; /* Pointer to the multicast
/*           data area
CSBLST       longword unsigned; /* Pointer to list of csbs

```

```

OLD_CSBS      quadword unsigned;      /* Queue of old csbs
#COUNTERS    = .;
COUNTERS     character length 0;      /* Start of counter block

RCOUNT       longword unsigned;      /* Total frames received
RCHECK       longword unsigned;      /* Receive error count
DUPLMSG      longword unsigned;      /* Duplicates received
XCOUNT       longword unsigned;      /* Total frames transmitted
XERR         longword unsigned;      /* Transmit error count
XERRCOD      longword unsigned;      /* Last Transmit error code
RETRANS      longword unsigned;      /* Retransmissions
CIRCDOWN     longword unsigned;      /* Circuit timeouts
PROTOCOL     longword unsigned;      /* Protocol error
PROTOMASK    structure longword unsigned; /* Protocol error mask

/*
/* Protocol error mask bits
/*

START        bitfield mask;          /* Other than start msg
/* with svci of zero
CSBZERO      bitfield mask;          /* csb index zero
CSBRANGE     bitfield mask;          /* csb index out of range
CSBINVALID   bitfield mask;          /* csb index invalid
CSBSTALE     bitfield mask;          /* csb stale reference
HALT         bitfield mask;          /* circuit forced to halt
INVALIDREMID bitfield mask;          /* invalid remote id
INVALIDLOCID bitfield mask;          /* invalid local id
BADCREDITS   bitfield mask;          /* bad number of credits in slot
REPCREATE    bitfield mask;          /* repeat create of slot by master
INVALIDSEQ   bitfield mask;          /* Invalid seq num received
REPDISC      bitfield mask;          /* repeat disconnect
END PROTOMASK;

RESOURCE     longword unsigned;      /* Resource error of some type
NOXBFR       longword unsigned;      /* No buffer for transmit
UCBKILL      longword unsigned;      /* We found no ucb to dealloc

constant CTRLLENGTH equals . - #COUNTERS; /* size of counters
constant 'LENGTH' equals .;          /* size of structure header
constant ACT_CSBS equals 32;         /* Maximum number of active CSBs
constant INACT_CSBS equal 10;        /* Maximum inactive CSBs

constant CSBCTR equals 12 tag T;     /* Offset to start of counters
/* in CSB (after std header)
constant 'NAMELEN' equals 16;        /* Size of NODE/SERVER names
/* Node/server name must follow
/* counters in CSB
constant 'IDLEN' equals 64;          /* Size of NODE/SERVICE IDs
constant HISTSIZE equals 80*32;     /* Size of the history buffer
/* in bytes.
END COMM_AREA;

```

LATDEF.SDL:1

END_MODULE:

LAT
V04

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The image displays a grid of 100 small technical diagrams or charts, arranged in 10 rows and 10 columns. Each cell contains a different type of plot, including bar charts, line graphs, and data tables. Some cells have labels such as 'LAT', 'LATCP', 'LATDEF', 'LATCPMSG', and 'LATDRIVER'. The diagrams appear to be technical specifications or performance metrics related to the VAX/VMS system.