


```

VV      VV  MM      MM      SSSSSSSS  MM      MM      AAAAAA  CCCCCCCC
VV      VV  MM      MM      SSSSSSSS  MM      MM      AAAAAA  CCCCCCCC
VV      VV  MMMM    MMMM    SS          MMMM    MMMM    AA        AA  CC
VV      VV  MMMM    MMMM    SS          MMMM    MMMM    AA        AA  CC
VV      VV  MM      MM      SS          MM      MM      AA        AA  CC
VV      VV  MM      MM      SS          MM      MM      AA        AA  CC
VV      VV  MM      MM      SSSSSS     MM      MM      AA        AA  CC
VV      VV  MM      MM      SSSSSS     MM      MM      AA        AA  CC
VV      VV  MM      MM      SS          MM      MM      AAAAAAAAAA  CC
VV      VV  MM      MM      SS          MM      MM      AAAAAAAAAA  CC
VV      VV  MM      MM      SS          MM      MM      AA        AA  CC
VV      VV  MM      MM      SS          MM      MM      AA        AA  CC
VV      VV  MM      MM      SSSSSSSS  MM      MM      AA        AA  CCCCCCCC
VV      VV  MM      MM      SSSSSSSS  MM      MM      AA        AA  CCCCCCCC

```

```

RRRRRRR  EEEEEEEEE  QQQQQQ
RRRRRRR  EEEEEEEEE  QQQQQQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RRRRRRR  EEEEEEEEE  QQ      QQ
RRRRRRR  EEEEEEEEE  QQ      QQ
RR      RR  EE      QQ  QQ  QQ
RR      RR  EE      QQ  QQ  QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EEEEEEEEE  QQQQ  QQ
RR      RR  EEEEEEEEE  QQQQ  QQ

```

XPRINT ('File: VMSMAC.B32, Version V04-000, Edit 1, WWC, 09-JAN-1978')

Version V04-000

```
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*****
```

```
++
FUNCTIONAL DESCRIPTION:
  This require file defines BLISS macros and literals to be used
  by routines which call or otherwise use various features of VAX/VMS.
--
```

```
↑
$BYTE_MASK - a macro which calculates a one-byte bit mask given a
BLISS byte block field definition.
```

```
$BYTE_MASK( definition )
```

```
where:
```

```
"definition" is the BLISS definition of a field
```

```
MACRO
```

```
$BYTE_MASK( L, B, S, X ) =
  1X(B+S) - 1B X;
```

```
↑
$SHR_MESSAGES - a macro which defines facility-specific message codes
which are based on the system-wide shared message codes.
```

```
$SHR_MESSAGES( name, code, (msg,severity), ... )
```

```
where:
```

```

" name " is the name of the facility (e.g., COPY)
" code " is the corresponding facility code (e.g., 103)
" msg " is the name of the shared message (e.g., BEGIN)
" severity " is the desired message severity (e.g., 1, 0, 2, 4)

```

MACRO

```

$SHR_MESSAGES( FACILITY_NAME, FACILITY_CODE ) =
  [ LITERAL
  SHR$MSG_IDS( FACILITY_NAME, FACILITY_CODE, %REMAINING ); %,
  SHR$MSG_IDS( FACILITY_NAME, FACILITY_CODE ) [ VALUE ] =
  SHR$MSG_CALC( FACILITY_NAME, FACILITY_CODE, %REMOVE(VALUE) ) %,
  SHR$MSG_CALC( FACILITY_NAME, FACILITY_CODE, MSG_ID, SEVERITY ) =
  %NAME( FACILITY_NAME, 'S', MSG_ID ) ≡ %NAME( 'SHR$', MSG_ID ) + FACILITY_CODE*65536 +
  %IF %DECLARED( %NAME( 'STSSK', SEVERITY ) )
  %THEN %NAME( 'STSSK', SEVERITY )
  %ELSE SEVERITY %FI %;

```

```

$FAB_DEV - a macro which defines a single FAB$L_DEV bit.

```

```

$FAB_DEV( bit_name )

```

```

where:

```

```

" bit_name " is a 3-character device bit name

```

MACRO

```

$FAB_DEV( BIT_NAME ) =
  FAB$DEV( FAB$L_DEV, %NAME( 'DEV$V_', BIT_NAME ) ) %,
  FAB$DEV( FAB_BYTE, FAB_BIT, FAB_SIZE, FAB_SIGN, DEV_DISP, DEV_BIT, DEV_SIZE, DEV_SIGN ) =
  FAB_BYTE, DEV_BIT, DEV_SIZE, DEV_SIGN %;

```

This image displays a grid of 100 terminal window screenshots, arranged in 10 rows and 10 columns. Each window shows a different system utility or report from the VAX/VMS V4.0 environment. The windows are densely packed and contain various types of data, including:

- System status reports (e.g., "SYSTEM STATUS", "CPU STATUS")
- Resource usage reports (e.g., "RESOURCE USAGE", "DISK USAGE")
- Configuration files (e.g., "CONFIGURATION", "SYSTEM PARAMETERS")
- Diagnostic tools (e.g., "DEBUG", "TRACE")
- System logs and error messages (e.g., "LOG", "ERROR LOG")
- Network-related utilities (e.g., "NETWORK", "TCP/IP")
- File management utilities (e.g., "FILE MANAGER", "COPY")
- System maintenance utilities (e.g., "MAINTENANCE", "CLEANUP")

Some prominent text labels within the windows include:

- COPYMSG REQ
- COPY
- COPY MAP
- VMSMAC REQ
- COPY REQ
- COPYCLI LIS
- COPYMAIN LIS
- COPYSEMAN LIS
- COPYSPECS LIS

The overall appearance is that of a multi-processor system terminal display, showing a comprehensive set of administrative and diagnostic tools.