


```

PPPPPPPP      AAAAAA      SSSSSSSS      MM      MM      AAAAAA      CCCCCCCC      RRRRRRRR      000000      SSSSSSSS
PPPPPPPP      AAAAAA      SSSSSSSS      MM      MM      AAAAAA      CCCCCCCC      RRRRRRRR      000000      SSSSSSSS
PP      PP      AA      AA      SS      MMMM      MMMM      AA      AA      CC      RR      RR      00      00      SS
PP      PP      AA      AA      SS      MMMM      MMMM      AA      AA      CC      RR      RR      00      00      SS
PP      PP      AA      AA      SS      MM      MM      AA      AA      CC      RR      RR      00      00      SS
PP      PP      AA      AA      SS      MM      MM      AA      AA      CC      RR      RR      00      00      SS
PPPPPPPP      AA      AA      SSSSSS      MM      MM      AA      AA      CC      RRRRRRRR      00      00      SSSSSS
PPPPPPPP      AA      AA      SSSSSS      MM      MM      AA      AA      CC      RRRRRRRR      00      00      SSSSSS
PP      AAAAAAAAAA      SS      MM      MM      AAAAAAAAAA      CC      RR      RR      00      00      SS
PP      AAAAAAAAAA      SS      MM      MM      AAAAAAAAAA      CC      RR      RR      00      00      SS
PP      AA      AA      SS      MM      MM      AA      AA      CC      RR      RR      00      00      SS
PP      AA      AA      SS      MM      MM      AA      AA      CC      RR      RR      00      00      SS
PP      AA      AA      SSSSSSSS      MM      MM      AA      AA      CCCCCCCC      RR      RR      000000      SSSSSSSS
PP      AA      AA      SSSSSSSS      MM      MM      AA      AA      CCCCCCCC      RR      RR      000000      SSSSSSSS

```

```

RRRRRRRR      EEEEEEEEE      QQQQQQ
RRRRRRRR      EEEEEEEEE      QQQQQQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RRRRRRRR      EEEEEEEEE      QQ      QQ
RRRRRRRR      EEEEEEEEE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EE      QQ      QQ
RR      RR      EEEEEEEEE      QQQQ      QQ
RR      RR      EEEEEEEEE      QQQQ      QQ

```

Macros for Pascal Run-Time Library
File: PASMACROS.REQ, Edit: SBL1003

```
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```

Author: Steven B. Lionel, 1-April-1981

1-001 - Original. SBL 1-April-1981

1-002 - Change \$PASSRMS_OP so that it doesn't loop on RMS\$_ACT unless the
file is on a disk device. SBL 29-July-1982

1-003 - Make that a disk or tape device. SBL 29-July-1982

Macro to signal a Pascal bugcheck.

MACRO

```
$PASSBUGCHECK (bugname) =
  BEGIN
  PASS$BUGCHECK (bugname);
  RETURN 0;
  END %;
```

Macro to signal an I/O error. The source code specifies the first
message as a PASS_xxx symbol. This macro changes it to a PASSK_xxx
symbol to result in shorter code. If it is desired to change back,
only this macro need be modified.

MACRO

Internal macro MOD_SIG_NAME takes as its argument a sequence

```
! of characters which is the exploded PASS_xxx signal name and returns
! the equivalent name PASSK_xxx. It is only used by $PASSIO_ERROR.
```

```
MOD_SIG_NAME (cP,cA,cS,c$,c) =
  %NAME ('PASSK_',%REMAINING) %,
```

```
$PASSIO_ERROR (signame) =
  BEGIN
    PASS$SIGNAL (PFV [PFV$R PFV], MOD_SIG_NAME(%EXPLODE(signame))
      %IF %NULL(%REMAINING)
      %THEN
      %ELSE
      ,%REMAINING
      %FI
    );
  RETURN 0;
  END %;
```

```
!+ Macro to do an RMS operation with retry for RMS$_ACT if a disk or tape device.
```

```
MACRO
  $PASSRMS_OP (rms_op) =
    BEGIN
      LOCAL
        $$$STATUS;
      DO $$$STATUS = (rms_op) UNTIL (.$$$STATUS OR (.$$$STATUS NEQ RMS$_ACT)
        OR NOT .FCB [FCB$V_FOD]);
      .$$$STATUS
    END %;
```

```
!+ Structure definitions used to declare the FAB and NAM as being offset from
! FCB. To use, make the following declarations:
```

```
BIND
  FAB = FCB: REF $PASSFAB_FCB_STRUCT,
  NAM = FCB: REF $PASSNAM_FCB_STRUCT;
```

```
STRUCTURE
  $PASSFAB_FCB_STRUCT [O, P, S, E] =
    [FAB$C B[N]
    ($PASSFAB_FCB_STRUCT+RAB$C_BLN+O)<P,S,E>,
  $PASSNAM_FCB_STRUCT [O, P, S, E] =
    [NAM$C B[N]
    ($PASSNAM_FCB_STRUCT+RAB$C_BLN+FAB$C_BLN+O)<P,S,E>;
```

```
: End of file PASMACROS.REQ
```

0293 AH-BT13A-SE
VAX/VMS V4.0

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