

DDDDDDDDDDDD		CCCCCCCCCCCC	LLL
DDDDDDDDDDDD		CCCCCCCCCCCC	LLL
DDDDDDDDDDDD		CCCCCCCCCCCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDD	DDD	CCC	LLL
DDDDDDDDDDDD		CCCCCCCCCCCC	LLLLLLLLLLLLLLLL
DDDDDDDDDDDD		CCCCCCCCCCCC	LLLLLLLLLLLLLLLL
DDDDDDDDDDDD		CCCCCCCCCCCC	LLLLLLLLLLLLLLLL

```
CCCCCCCC LL      IIIIII  MM      MM      AAAAAA  CCCCCCCC
CCCCCCCC LL      IIIIII  MM      MM      AAAAAA  CCCCCCCC
CC        LL      II      MMMM   MMMM   AA      AA  CC
CC        LL      II      MMMM   MMMM   AA      AA  CC
CC        LL      II      MM      MM      AA      AA  CC
CC        LL      II      MM      MM      AA      AA  CC
CC        LL      II      MM      MM      AA      AA  CC
CC        LL      II      MM      MM      AAAAAAAAAA  CC
CC        LL      II      MM      MM      AAAAAAAAAA  CC
CC        LL      II      MM      MM      AA      AA  CC
CC        LL      II      MM      MM      AA      AA  CC
CCCCCCCC LLLLLLLLLL IIIIII  MM      MM      AA      AA  CCCCCCCC
CCCCCCCC LLLLLLLLLL IIIIII  MM      MM      AA      AA  CCCCCCCC
```

```
MM      MM      AAAAAA  RRRRRRRR
MM      MM      AAAAAA  RRRRRRRR
MMMM   MMMM   AA      AA  RR      RR
MMMM   MMMM   AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RRRRRRRR
MM      MM      AA      AA  RRRRRRRR
MM      MM      AAAAAAAAAA  RR      RR
MM      MM      AAAAAAAAAA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
```

Version 'V04-000'

```

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D C L L I B

MODIFIED BY:

```

V03-003 PCG0003      Peter George      03-Jan-1984
          Use a JSB in DISABLE.
V03-002 PCG0002      Peter George      15-Jun-1983
          Modify STATUS and LODSTAT.
V03-001 PCG0001      Peter George      17-Feb-1983
          Remove DEFCMD.

```

MACRO TO LOAD AN ERROR STATUS INTO R0

```

.MACRO LODSTAT VAL,PLC=R0
MOVL #CLIS 'VAL',R0
.ENDM LODSTAT

```

ERROR MESSAGE GENERATION

```
.MACRO ERRMSG ERROR
  .IF NB ERROR
  LODSTAT ERROR
  .ENDC
  BSBW DCL$ERRORMSG
.ENDM ERRMSG
```

```
:::
::: SET COMPLETION STATUS VALUE
:::
```

```
.MACRO STATUS ERROR,PLC
  LODSTAT ERROR,PLC
.ENDM STATUS
```

```
:::
::: SPECIAL MACROS USED BY RESULT PARSE ROUTINES
:::
```

```
.MACRO SETSTAT VAL
  .IF IDN <VAL><SUCCESS>
  MOVL #1,RO
  .IFF
  .IF IDN <VAL><FAIL>
  CLRL RO
  .IFF
  MOVZWL #CLIS_'VAL&^XFFFF',RO
  .ENDC
  .ENDC
.ENDM SETSTAT
```

```
:::
::: DISABLE CONTROL Y/C AST'S
:::
```

```
.MACRO DISABLE
  JSB DCL$DISABLE
.ENDM DISABLE
```

```
:::
::: ENABLE CONTROL Y/C AST'S
:::
```

```
.MACRO ENABLE
  JSB @ (SP)+
.ENDM ENABLE
```

```
:::
::: SPECIAL MACROS USED BY RESULT PARSE ROUTINES
:::
```

```
.MACRO SETINTR VAL,PLC=RO
  MOVL #<<CLIS_'VAL'!1031>,PLC
.ENDM
```

```
MACRO TO SET OR CLEAR A BIT BY BIT NUMBER
```

```
CALL: SETBIT BITNUM,FLAGWORD
OR: CLRBIT BITNUM,FLAGWORD
```

```
WHERE: BITNUM IS ANY VALID SOURCE OPERAND SECIFYING THE BIT
        OFFSET FROM THE FLAG BASE TO SET/CLEAR
```

```
FLAGWORD IS ANY VALID DESTINATION OPERAND
```

```
.MACRO SETBIT VAL,FLAG
.NTYPE $$ VAL
.IF EQ Z $$_ ^XOEF>
.IF NDF VAL
BBSS S^#VAL,FLAG,..+1
.IFF
.IF LT <VAL-8>
BISB #<1@VAL>,FLAG
.IFF
BBSS #VAL,FLAG,..+1
.ENDC
.ENDC
.IFF
BBSS VAL,FLAG,..+1
.ENDC
.ENDM SETBIT
```

```
.MACRO CLRBIT VAL,FLAG
.NTYPE $$ VAL
.IF EQ Z $$_ ^XOEF>
.IF NDF VAL
BBCC S^#VAL,FLAG,..+1
.IFF
.IF LT <VAL-8>
BICB #<1@VAL>,FLAG
.IFF
BBCC #VAL,FLAG,..+1
.ENDC
.ENDC
.IFF
BBCC VAL,FLAG,..+1
.ENDC
.ENDM CLRBIT
```

