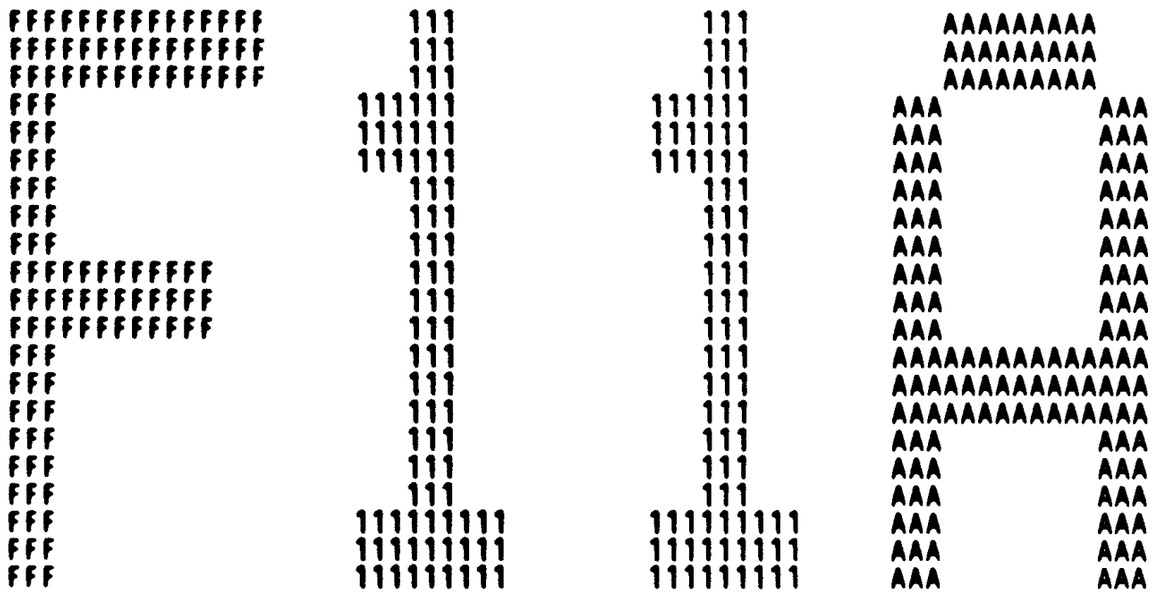
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  CCCCCCCC  HH      HH  KK      KK  DDDDDDDD    MM      MM    OOOOOO
  CCCCCCCC  HH      HH  KK      KK  DDDDDDDD    MM      MM    OOOOOO
CC          HH      HH  KK      KK  DD      DD  MMMM  MMMM  OO      OO
CC          HH      HH  KK      KK  DD      DD  MMMM  MMMM  OO      OO
CC          HH      HH  KK    KK    DD      DD  MM  MM  MM  OO      OO
CC          HH      HH  KK    KK    DD      DD  MM  MM  MM  OO      OO
CC          HHHHHHHHHH  KKKKKK      DD      DD  MM      MM  OO      OO
CC          HHHHHHHHHH  KKKKKK      DD      DD  MM      MM  OO      OO
CC          HH      HH  KK    KK    DD      DD  MM      MM  OO      OO
CC          HH      HH  KK    KK    DD      DD  MM      MM  OO      OO
CC          HH      HH  KK      KK  DD      DD  MM      MM  OO      OO      ....
  CCCCCCCC  HH      HH  KK      KK  DDDDDDDD    MM      MM    OOOOOO        ....
  CCCCCCCC  HH      HH  KK      KK  DDDDDDDD    MM      MM    OOOOOO        ....

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LL              II              SS
LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
```

```
;     1          0006  0 MODULE CHKDMO (
;     2          0002  0                 LANGUAGE (BLISS32),
;     3          0003  0                 IDENT = 'V04-000'
;     4          0004  0                 ) =
;     5          0005  1 BEGIN
;     6          0006  1
;     7          0007  1 !
;     8          0008  1 !*****************************************************************************
;     9          0009  1 !*                                                                           *
;    10          0010  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
;    11          0011  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                    *
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;    16          0016  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER     *
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;    18          0018  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY     *
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;    20          0020  1 !*                                                                           *
;    21          0021  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE     *
;    22          0022  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT     *
;    23          0023  1 !*  CORPORATION.                                                              *
;    24          0024  1 !*                                                                           *
;    25          0025  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS     *
;    26          0026  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                   *
;    27          0027  1 !*                                                                           *
;    28          0028  1 !*                                                                           *
;    29          0029  1 !*****************************************************************************
;    30          0030  1
;    31          0031  1 !++
;    32          0032  1 !
;    33          0033  1 ! FACILITY:  F11ACP Structure Level 1
;    34          0034  1 !
;    35          0035  1 ! ABSTRACT:
;    36          0036  1 !
;    37          0037  1 !       This routine dismounts the volume in use if it should be.
;    38          0038  1 !
;    39          0039  1 ! ENVIRONMENT:
;    40          0040  1 !
;    41          0041  1 !       STARLET operating system, including privileged system services
;    42          0042  1 !       and internal exec routines.
;    43          0043  1 !
;    44          0044  1 !--
;    45          0045  1 !
;    46          0046  1 !
;    47          0047  1 ! AUTHOR:  Andrew C. Goldstein,  CREATION DATE:  29-Apr-1977  17:19
;    48          0048  1 !
;    49          0049  1 ! MODIFIED BY:
;    50          0050  1 !
;    51          0051  1 !
;    52          0052  1 !       V03-005 HH0049          Hai Huang                   16-Aug-1984
;    53          0053  1 !               Call IOC$DALLOC_DMT to handle deallocation on dismount.
;    54          0054  1 !
;    55          0055  1 !       V03-004 HH0047          Hai Huang                   13-Aug-1984
;    56          0056  1 !               Correct IOC$DALLOC_DEV linkage (UCB address in R5).
;    57          0057  1 !
```

```
;    58          0058  1 !       V03-003 ACG0441         Andrew C. Goldstein,    10-Aug-1984  17:02
;    59          0059  1 !               Rework dismount interlocking to eliminate races and
;    60          0060  1 !               uninterlocked operation; clear the device lock; perform
;    61          0061  1 !               deallocation here instead of at last deassign.
;    62          0062  1 !
;    63          0063  1 !       V03-002 LMP0221         L. Mark Pilant,         27-Mar-1984  12:59
;    64          0064  1 !               Change UCB$L_OWNUIC to ORB$L_OWNER and UCB$W_VPROT to
;    65          0065  1 !               ORB$W_PROT.
;    66          0066  1 !
;    67          0067  1 !       V03-001 PRD0037         Paul R. DeStefano       13-Sep-1983
;    68          0068  1 !               Modified to no longer clear volume valid when dismounting
;    69          0069  1 !               the volume.
;    70          0070  1 !
;    71          0071  1 !       V02-001 ACG0226         Andrew C. Goldstein,    24-Nov-1981  22:28
;    72          0072  1 !               Issue IO$_AVAILABLE on DISMOUNT/NOUNLOAD
;    73          0073  1 !
;    74          0074  1 !       V02-000 ACC0167         Andrew C. Goldstein,    7-May-1980  18:47
;    75          0075  1 !               Previous revision history moved to F11A.REV
;    76          0076  1 !**
;    77          0077  1
;    78          0078  1
;    79          0079  1 LIBRARY 'SYS$LIBRARY:LIB.L32';
;    80          0080  1 REQUIRE 'SRC$:FCPDEF.B32';
;    81          0395  1
;    82          0396  1
;    83          0397  1 !
;    84          0398  1 ! Part of this routine runs at IPL$_SYNCH, so it must be locked into the
;    85          0399  1 ! working set.
;    86          0400  1 !
;    87          0401  1
;    88          0402  1 LOCK_CODE;
```

```
;    90          0403  1 GLOBAL ROUTINE CHECK_DISMOUNT : NOVALUE =
;    91          0404  1
;    92          0405  1 !++
;    93          0406  1 !
;    94          0407  1 ! FUNCTIONAL DESCRIPTION:
;    95          0408  1 !
;    96          0409  1 !       This routine checks if the volume in use is marked for dismount and
;    97          0410  1 !       idle. If so, it completes the dismount.
;    98          0411  1 !
;    99          0412  1 ! CALLING SEQUENCE:
;   100          0413  1 !       CHECK_DISMOUNT ()
;   101          0414  1 !
;   102          0415  1 ! INPUT PARAMETERS:
;   103          0416  1 !       NONE
;   104          0417  1 !
;   105          0418  1 ! IMPLICIT INPUTS:
;   106          0419  1 !       CURRENT_UCB: UCB of unit in use
;   107          0420  1 !       CURRENT_VCB: VCB of volume in use
;   108          0421  1 !       ACP$AQB0: queue header for ACP
;   109          0422  1 !
;   110          0423  1 ! OUTPUT PARAMETERS:
;   111          0424  1 !       NONE
;   112          0425  1 !
;   113          0426  1 ! IMPLICIT OUTPUTS:
;   114          0427  1 !       NONE
;   115          0428  1 !
;   116          0429  1 ! ROUTINE VALUE:
;   117          0430  1 !       NONE
;   118          0431  1 !
;   119          0432  1 ! SIDE EFFECTS:
;   120          0433  1 !       Volume dismounted if appropriate
;   121          0434  1 !
;   122          0435  1 !--
;   123          0436  1
;   124          0437  2 BEGIN
;   125          0438  2
;   126          0439  2 LINKAGE
;   127          0440  2         DALLOC_DEV      = JSB (REGISTER = 4, REGISTER = 5)
;   128          0441  2                         : NOPRESERVE (3)
;   129          0442  2                           PRESERVE (2, 4, 5)
;   130          0443  2                           NOTUSED (6, 7, 8, 9, 10, 11);
;   131          0444  2 LOCAL
;   132          0445  2         UCB             : REF BBLOCK,   ! local address of UCB
;   133          0446  2         VCB             : REF BBLOCK,   ! local address of VCB
;   134          0447  2         ORB             : REF BBLOCK,   ! local address of ORB
;   135          0448  2         FCB             : REF BBLOCK,   ! local address of FCB
;   136          0449  2         STS,                            ! general status value
;   137          0450  2         LKSTS           : VECTOR [6],   ! lock status block
;   138          0451  2         WCB             : REF BBLOCK;   ! local address of WCB
;   139          0452  2
;   140          0453  2 EXTERNAL
;   141          0454  2         IO_CHANNEL,                     ! channel number for all I/O
;   142          0455  2         CURRENT_UCB     : REF BBLOCK,   ! UCB of unit in process
;   143          0456  2         CURRENT_VCB     : REF BBLOCK,   ! VCB of volume in process
;   144          0457  2         QUEUE_HEAD      : REF BBLOCK,   ! address of ACP queue header
;   145          0458  2         CTL$GL_PCB      : ADDRESSING_MODE(GENERAL);     ! PCB address
;   146          0459  2
```

```
;  147          0460  2 EXTERNAL ROUTINE
;  148          0461  2         LOCK_IODB,                      ! lock I/O data base mutex
;  149          0462  2         UNLOCK_IODB,                    ! unlock I/O data base mutex
;  150          0463  2         DEALLOCATE,                     ! deallocate dynamic memory
;  151          0464  2         FLUSH_FID,                      ! flush blocks from the buffer pool
;  152          0465  2         SEND_ERRLOG,                    ! send message to error logger
;  153          0466  2         IOC$DALLOC_DMT  : DALLOC_DEV ADDRESSING_MODE (GENERAL);
;  154          0467  2                                         ! deallocate device
;  155          0468  2
;  156          0469  2
;  157          0470  2 ! First check the mark for dismount bit.
;  158          0471  2 !
;  159          0472  2
;  160          0473  2 UCB = .CURRENT_UCB;
;  161          0474  2 ORB = .UCB[UCB$L_ORB];
;  162          0475  2 IF NOT .BBLOCK [UCB[UCB$L_DEVCHAR], DEV$V_DMT]
;  163          0476  2 THEN RETURN;
;  164          0477  2
;  165          0478  2 ! The volume is marked for dismount. The remainder of the tests and the
;  166          0479  2 ! dismount bit twiddling must be done interlocked.
;  167          0480  2 !
;  168          0481  2
;  169          0482  2 LOCK_IODB ();
;  170          0483  2 SET_IPL (IPL$_SYNCH);
;  171          0484  2
;  172          0485  2 VCB = .CURRENT_VCB;
;  173          0486  2 IF .VCB[VCB$W_TRANS] EQL 1
;  174          0487  2 THEN
;  175          0488  3     BEGIN
;  176          0489  3
;  177          0490  3 ! The volume is marked for dismount and idle. Set the dismount in progress
;  178          0491  3 ! bit to stop all further activity.
;  179          0492  3 !
;  180          0493  3
;  181          0494  3     UCB[UCB$V_DISMOUNT] = 1;
;  182          0495  3     UNLOCK_IODB ();
;  183          0496  3
;  184          0497  3 ! Make an error log entry to record the dismount.
;  185          0498  3 !
;  186          0499  3
;  187          0500  3     SEND_ERRLOG (0, .UCB);
;  188          0501  3
;  189          0502  3 ! Flush the buffer pool of any blocks of this volume.
;  190          0503  3 !
;  191          0504  3
;  192          0505  3     FLUSH_FID (0);
;  193          0506  3
;  194          0507  3 ! Issue an unload function if unload was requested.
;  195          0508  3 !
;  196          0509  3
;  197        P 0510  3     $QIOW (
;  198        P 0511  3             CHAN = .IO_CHANNEL,
;  199        P 0512  3             EFN  = EFN,
;  200        P 0513  3             FUNC = (IF TESTBITSC (UCB[UCB$V_UNLOAD])
;  201        P 0514  3                     THEN IO$_UNLOAD
;  202        P 0515  3                     ELSE IO$_AVAILABLE)
;  203          0516  3             );
```

```
;  204          0517  3
;  205          0518  3 ! If this is a shared mount, raise the device lock to PW to get the
;  206          0519  3 ! value block, and prepare for writing it back. If the device is not
;  207          0520  3 ! shared, the lock is already at EX. If the device is not cluster
;  208          0521  3 ! accessible, there is no lock.
;  209          0522  3 !
;  210          0523  3
;  211          0524  3     IF (LKSTS [1] = .UCB [UCB$L_LOCKID]) NEQ 0
;  212          0525  3         AND .UCB [UCB$L_PID] EQL 0
;  213          0526  3     THEN
;  214          0527  4         BEGIN
;  215        P 0528  4         STS = $ENQW (LKMODE = LCK$K_PWMODE,
;  216        P 0529  4                      LKSB   = LKSTS,
;  217        P 0530  4                      EFN    = EFN,
;  218        P 0531  4                      FLAGS  = LCK$M_CONVERT + LCK$M_SYNCSTS
;  219          0532  4                               + LCK$M_NOQUOTA);
;  220          0533  4         IF NOT .STS
;  221          0534  4         OR NOT .LKSTS
;  222          0535  4         THEN BUG_CHECK (XQPERR, FATAL, 'Unexpected lock marager error');
;  223          0536  3         END;
;  224          0537  3
;  225          0538  3 ! Mark the volume dismounted and disconnect the VCB from the UCB.
;  226          0539  3 !
;  227          0540  3
;  228          0541  3     LOCK_IODB ();
;  229          0542  3     BBLOCK [UCB[UCB$L_DEVCHAR], DEV$V_MNT] = 0;
;  230          0543  3     BBLOCK [UCB[UCB$L_DEVCHAR], DEV$V_DMT] = 0;
;  231          0544  3     BBLOCK [UCB[UCB$L_DEVCHAR], DEV$V_SWL] = 0;
;  232          0545  3     UCB[UCB$L_VCB] = 0;
;  233          0546  3     UCB[UCB$W_REFC] = .UCB[UCB$W_REFC] - 1;
;  234          0547  3     UCB[UCB$V_DISMOUNT] = 0;
;  235          0548  3     ORB[ORB$L_SYS_PROT] = 0;
;  236          0549  3     ORB[ORB$L_OWN_PROT] = 0;
;  237          0550  3     ORB[ORB$L_GRP_PROT] = 0;
;  238          0551  3     ORB[ORB$L_WOR_PROT] = 0;
;  239          0552  3     ORB[ORB$L_OWNER] = 0;
;  240          0553  3     UCB[UCB$W_DIRSEQ] = .UCB[UCB$W_DIRSEQ] + 1;
;  241          0554  3
;  242          0555  3 ! If the device lock exists, now demote it as appropriate (to CR if
;  243          0556  3 ! the device is not allocated, to EX otherwise). Clear the value
;  244          0557  3 ! block if this is the final dismount.
;  245          0558  3 !
;  246          0559  3
;  247          0560  3     IF .LKSTS [1] NEQ 0
;  248          0561  3     THEN
;  249          0562  4         BEGIN
;  250          0563  4         LKSTS [2] = 0;
;  251          0564  4         LKSTS [3] = 0;
;  252          0565  4         LKSTS [4] = 0;
;  253          0566  4         LKSTS [5] = 0;
;  254          0567  4
;  255        P 0568  4         STS = $ENQ (LKMODE = IF .UCB [UCB$L_PID] NEQ 0
;  256        P 0569  4                           THEN LCK$K_EXMODE
;  257        P 0570  4                           ELSE LCK$K_CRMODE,
;  258        P 0571  4                      LKSB   = LKSTS,
;  259        P 0572  4                      EFN    = EFN,
;  260        P 0573  4                      FLAGS  = LCK$M_CONVERT + LCK$M_CVTSYS
```

```
;  261        P 0574  4                          + LCK$M_SYNCSTS + LCK$M_NOQUOTA + LCK$M_VALBLK
;  262          0575  4                      );
;  263          0576  4          IF NOT .STS
;  264          0577  4          OR NOT .LKSTS
;  265          0578  4          THEN BUG_CHECK (XQPERR, FATAL, 'Unexpected lock manager error');
;  266          0579  3          END;
;  267          0580  3
;  268          0581  3      ! Call IOC$DALLOC_DMT routine to deallocate the device when appropriate.
;  269          0582  3      !
;  270          0583  3
;  271          0584  3          IOC$DALLOC_DMT (.CTL$GL_PCB, .UCB);
;  272          0585  3
;  273          0586  3      ! We can now release the locks while we proceed to clean up the mounted
;  274          0587  3      ! volume data base.
;  275          0588  3      !
;  276          0589  3
;  277          0590  3          UNLOCK_IODB ();
;  278          0591  3
;  279          0592  3          UNTIL REMQUE (.VCB[VCB$L_FCBFL], FCB)
;  280          0593  3          DO
;  281          0594  4              BEGIN
;  282          0595  4              UNTIL REMQUE (.FCB[FCB$L_WLFL], WCB) ! Release all window segments
;  283          0596  4              DO DEALLOCATE (.WCB);
;  284          0597  4              DEALLOCATE (.FCB);              ! release all FCB's
;  285          0598  3              END;
;  286          0599  3
;  287          0600  3          DEALLOCATE (.VCB);                  ! release the VCB
;  288          0601  3
;  289          0602  3          QUEUE_HEAD[AQB$B_MNTCNT] = .QUEUE_HEAD[AQB$B_MNTCNT] - 1;
;  290          0603  3          END                             ! end of dismount processing
;  291          0604  3
;  292          0605  2      ELSE
;  293          0606  2          UNLOCK_IODB ();
;  294          0607  2
;  295          0608  1      END;                                    ! end of routine CHECK_DISMOUNT


                                                        .TITLE  CHKDMO
                                                        .IDENT  \V04-000\

                                                        .EXTRN  IO_CHANNEL, CURRENT_UCB
                                                        .EXTRN  CURRENT_VCB, QUEUE_HEAD
                                                        .EXTRN  CTL$GL_PCB, LOCK_IODB
                                                        .EXTRN  UNLOCK_IODB, DEALLOCATE
                                                        .EXTRN  FLUSH_FID, SEND_ERRLOG
                                                        .EXTRN  IOC$DALLOC_DMT, SYS$QIOW
                                                        .EXTRN  SYS$ENQW, BUG$_XQPERR
                                                        .EXTRN  SYS$ENQ

                                                        .PSECT  $LOCKEDC1$,NOWRT,2

                                    00FC 00000          .ENTRY  CHECK_DISMOUNT, Save R2,R3,R4,R5,R6,R7      ; 0403
                          57  0000G   CF   9E 00002       MOVAB   DEALLOCATE, R7                              ;
                          56  0000G   CF   9E 00007       MOVAB   UNLOCK_IODB, R6                             ;
                              5E      18   C2 0000C       SUBL2   #24, SP                                     ;
                          55  0000G   CF   D0 0000F       MOVL    CURRENT_UCB, UCB                            ; 0473
                          53    1C   A5   D0 00014       MOVL    28(UCB), ORB                                ; 0474
```

```
01        3A   A5              05  E0 00018          BBS     #5, 58(UCB), 1$                          ; 0475
                               04  0001D            RET                                              ;
          0000G CF              00  FB 0001E 1$:     CALLS   #0, LOCK_IODB                            ; 0482
                12              08  DA 00023         MTPR    #8, #18                                  ; 0483
                52        0000G CF  D0 00026         MOVL    CURRENT_VCB, VCB                         ; 0485
                01          0C  A2  B1 0002B         CMPW    12(VCB), #1                              ; 0486
                                03  13 0002F         BEQL    2$                                       ;
                              00FD  31 00031         BRW     15$                                      ;
             66   A5              10  88 00034 2$:     BISB2   #16, 102(UCB)                          ; 0494
                  66              00  FB 00038         CALLS   #0, UNLOCK_IODB                        ; 0495
                                  55  DD 00038         PUSHL   UCB                                    ; 0500
                                  7E  D4 0003D         CLRL    -(SP)                                  ;
          0000G CF                02  FB 0003F         CALLS   #2, SEND_ERRLOG                        ;
                                  7E  D4 00044         CLRL    -(SP)                                  ; 0505
          0000G CF                01  FB 00046         CALLS   #1, FLUSH_FID                          ;
                                  7E  7C 0004B         CLRQ    -(SP)                                  ; 0516
                                  7E  7C 0004D         CLRQ    -(SP)                                  ;
                                  7E  7C 0004F         CLRQ    -(SP)                                  ;
                                  7E  7C 00051         CLRQ    -(SP)                                  ;
                                  7E  D4 00053         CLRL    -(SP)                                  ;
04        64   A5                 0C  E5 00055         BBCC    #12, 100(UCB), 3$                      ;
                                  01  DD 0005A         PUSHL   #1                                     ;
                                  02  11 0005C         BRB     4$                                     ;
                                  11  DD 0005E 3$:     PUSHL   #17                                    ;
                            0000G CF  DD 00060 4$:     PUSHL   IO_CHANNEL                             ;
                                  01  DD 00064         PUSHL   #1                                     ;
     00000000G 00                 0C  FB 00066         CALLS   #12, SYS$QIOW                          ;
               04   AE       20    A5  D0 0006D         MOVL    32(UCB), LKSTS+4                       ; 0524
                                  29  13 00072         BEQL    6$                                     ;
                                2C    A5  D5 00074         TSTL    44(UCB)                            ; 0525
                                  24  12 00077         BNEQ    6$                                     ;
                                  7E  7C 00079         CLRQ    -(SP)                                  ; 0532
                                  7E  7C 0007B         CLRQ    -(SP)                                  ;
                                  7E  7C 0007D         CLRQ    -(SP)                                  ;
                   7E             2A  7D 0007F         MOVQ    #42, -(SP)                             ;
                                20    AE  9F 00082         PUSHAB  LKSTS                              ;                                        ; R
                                  04  DD 00085         PUSHL   #4                                     ;
                                  01  DD 00087         PUSHL   #1                                     ;
  00000000G 00                    0B  FB 00089         CALLS   #11, SYS$ENQW                          ;                                        ;
               54                 50  D0 00090         MOVL    R0, STS                                ;                                        ;
               03                 54  E9 00093         BLBC    STS, 5$                                ; 0533                                   ;
               04                 6E  E8 00096         BLBS    LKSTS, 6$                              ; 0534                                   ;
                                    FEFF  00099 5$:     BUGW                                           ; 0535                                   ;
                                   0000*  0009B         .WORD   <BUG$_XQPERR!4>                        ;                                        ;
          0000G CF                00  FB 0009D 6$:     CALLS   #0, LOCK_IODB                          ; 0541                                   ;
            3A  A5          0228    8F  AA 000A2         BICW2   #552, 58(UCB)                          ; 0544                                   ;
                              34    A5  D4 000A8         CLRL    52(UCB)                                ; 0545                                   ;
                              5C    A5  B7 000AB         DECW    92(UCB)                                ; 0546                                   ;
             66   A5                 10  8A 000AE         BICB2   #16, 102(UCB)                          ; 0547                                   ;
                              18    A3  7C 000B2         CLRQ    24(ORB)                                ; 0548                                   ;
                              20    A3  7C 000B5         CLRQ    32(ORB)                                ; 0550                                   ;
                                  63  D4 000B8         CLRL    (ORB)                                  ; 0552                                   ;
                            00AC  C5  B6 000BA         INCW    172(UCB)                               ; 0553                                   ;
                              04  AE  D5 000BE         TSTL    LKSTS+4                                ; 0560                                   ;
                                  36  13 000C1         BEQL    10$                                    ;                                        ;
                              08  AE  7C 000C3         CLRQ    LKSTS+8                                ; 0563                                   ;
                              10  AE  7C 000C6         CLRQ    LKSTS+16                               ; 0565                                   ;
```

```
                        7E  7C 000C9          CLRQ    -(SP)                                          ; 0575
                        7E  7C 000CB          CLRQ    -(SP)                                          ;
                        7E  7C 000CD          CLRQ    -(SP)                                          ;
                        7E  D4 000CF          CLRL    -(SP)                                          ;
                7E      6B  8F  9A 000D1      MOVZBL  #107, -(SP)                                    ;
                    20  AE  9F 000D5          PUSHAB  LKSTS                                          ;
                    2C  A5  D5 000D8          TSTL    44(UCB)                                        ;
                        04  13 000DB          BEQL    7$                                             ;
                        05  DD 000DD          PUSHL   #5                                             ;
                        02  11 000DF          BRB     8$                                             ;
                        01  DD 000E1 7$:       PUSHL   #1                                             ;
                        01  DD 000E3 8$:       PUSHL   #1                                             ;
00000000G               00  FB 000E5          CALLS   #11, SYS$ENQ                                   ;
                        54  D0 000EC          MOVL    R0, STS                                        ;
                        03  54  E9 000EF      BLBC    STS, 9$                                        ; 0576
                        04  6E  E8 000F2      BLBS    LKSTS, 10$                                     ; 0577
                          FEFF  000F5 9$:     BUGW                                                   ; 0578
                           0000* 000F7        .WORD   <BUG$_XQPERR!4>                                ;
                    54 00000000G  00  D0 000F9 10$:     MOVL    CTL$GL_PCB, R4                         ; 0584
                       00000000G  00  16 00100          JSB     IOC$DALLOC_DMT                         ;
                        66      00  FB 00106          CALLS   #0, UNLOCK_IODB                        ; 0590
                        53      00  B2  0F 00109 11$:     REMQUE  @0(VCB), FCB                       ; 0592
                                    14  1D 0010D          BVS     14$                                    ;
                        54      10  B3  0F 0010F 12$:     REMQUE  @16(FCB), WCB                      ; 0595
                                    07  1D 00113          BVS     13$                                    ;
                                    54  DD 00115          PUSHL   WCB                                    ; 0596
                        67          01  FB 00117          CALLS   #1, DEALLOCATE                         ;
                                    F3  11 0011A          BRB     12$                                    ;
                                    53  DD 0011C 13$:     PUSHL   FCB                                    ; 0597
                        67          01  FB 0011E          CALLS   #1, DEALLOCATE                         ;
                                    E6  11 00121          BRB     11$                                    ; 0592
                                    52  DD 00123 14$:     PUSHL   VCB                                    ; 0600
                        67          01  FB 00125          CALLS   #1, DEALLOCATE                         ;
                        50    0000G CF  D0 00128          MOVL    QUEUE_HEAD, R0                         ; 0602
                                0B  A0  97 0012D          DECB    11(R0)                                 ;
                                    04  00130          RET                                            ; 0486
                        66          00  FB 00131 15$:     CALLS   #0, UNLOCK_IODB                        ; 0606
                                    04  00134          RET                                            ; 0608

; Routine Size:  309 bytes,    Routine Base:  $LOCKEDC1$ + 0000

;  296          0609  1
;  297          0610  1 END
;  298          0611  0 ELUDOM


;                                PSECT SUMMARY
;
;      Name                      Bytes                         Attributes
;
;  $LOCKEDC1$                        309  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
```

```
;                                Library Statistics
;
;                                        -------- Symbols --------      Pages       Processing
;       File                             Total    Loaded   Percent      Mapped      Time
;  _$255$DUA28:[SYSLIB]LIB.L32;1         18619        38         0        1000        00:01.9
;
;
;
;                                    COMMAND QUALIFIERS
;
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:CHKDMO/OBJ=OBJ$:CHKDMO MSRC$:CHKDMO/UPDATE=(ENH$:CHKDMO)
;
; Size:          309 code + 0 data bytes
; Run Time:          00:11.3
; Elapsed Time:      00:37.0
; Lines/CPU Min:      3250
; Lexemes/CPU-Min: 20484
; Memory Used:  151 pages
; Compilation Complete
```

CHKSUM
LIS

ACPCNTRL
LIS

CHKPRO
LIS

FCPDEF
B32

DEACCS
LIS

BADSCN
LIS

CLENUP
LIS

CPYNAM
LIS

CHKHDR
LIS

COMMON
LIS

CREHDR
LIS

CREWIN
LIS

ACCESS
LIS

CHKDMO
LIS

DELETE
LIS

CREATE
LIS

CREFCB
LIS