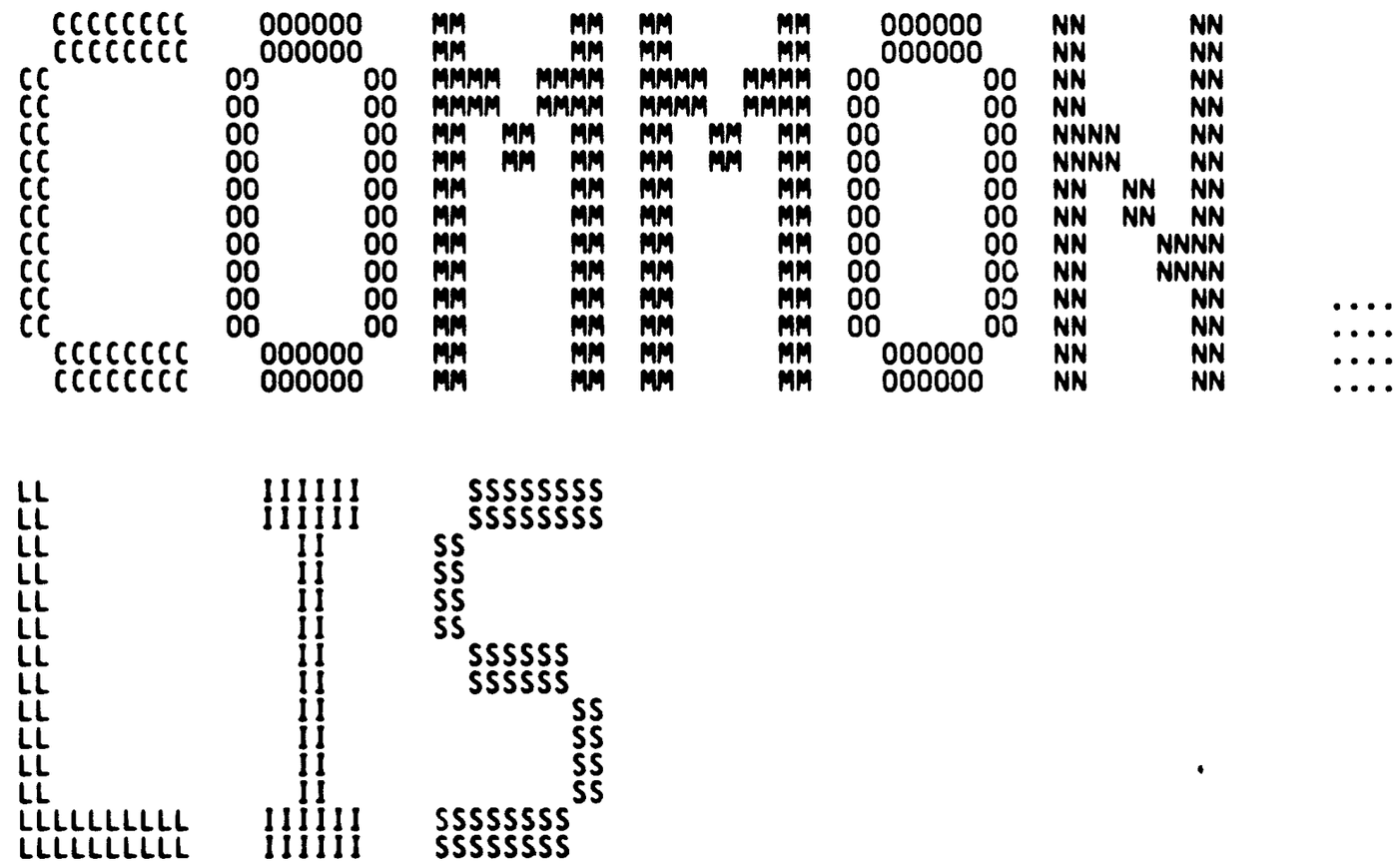
```
FFFFFFFFFFFFFFF       111          111     XXX         XXX
FFFFFFFFFFFFFFF       111          111     XXX         XXX
FFFFFFFFFFFFFFF       111          111     XXX         XXX
FFF                111111       111111     XXX         XXX
FFF                111111       111111     XXX         XXX
FFF                111111       111111     XXX         XXX
FFF                   111          111        XXX   XXX
FFF                   111          111        XXX   XXX
FFF                   111          111        XXX   XXX
FFFFFFFF.FFF          111          111           XXX
FFFFFFFFFFFF          111          111           XXX
FFFFFFFFFFFF          111          111           XXX
FFF                   111          111        XXX   XXX
FFF                   111          111        XXX   XXX
FFF                   111          111        XXX   XXX
FFF                   111          111     XXX         XXX
FFF                   111          111     XXX         XXX
FFF                   111          111     XXX         XXX
FFF                111111111    111111111  XXX         XXX
FFF                111111111    111111111  XXX         XXX
FFF                111111111    111111111  XXX         XXX
```

```
_$25
Symb
----
IOC$
IO_C
IO_C
IO_D
IO_F
IO_S
KILL

KILL
KILL
LB_E
LB_D
LB_F
LB_H
LB_L
LOCA
LOCA
LOCK

LOCK
LOCK
LOCK
LOC_
LOC_
L_CO
L_CO
L_DA
L_DA
MAIN
MAKE
MAKE
MAKE
MAKE
MAKE
MAKE

MAKE
MAKE
MAP_
MAP_

MAP
MARK
MARK
MARK
MARK
MARK
```

FILEID**COMMON



```
;     1          0001  0 MODULE COMMON (
;     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.                *
;    12          0012  1 !*  ALL RIGHTS RESERVED.                                                  *
;    13          0013  1 !*                                                                        *
;    14          0014  1 !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  *
;    15          0015  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
;    16          0016  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
;    17          0017  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
;    18          0018  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
;    19          0019  1 !*  TRANSFERRED.                                                           *
;    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 2
;    34          0034  1 !
;    35          0035  1 ! ABSTRACT:
;    36          0036  1 !
;    37          0037  1 !       This module is the common impure area of FCP, including the
;    38          0038  1 !       routine that initializes it for each request.
;    39          0039  1 !
;    40          0040  1 ! ENVIRONMENT:
;    41          0041  1 !
;    42          0042  1 !       STARLET operating system, including privileged system services
;    43          0043  1 !       and internal exec routines.
;    44          0044  1 !
;    45          0045  1 !--
;    46          0046  1 !
;    47          0047  1 !
;    48          0048  1 ! AUTHOR:  Andrew C. Goldstein,  CREATION DATE:  20-Dec-1976  23:42
;    49          0049  1 !
;    50          0050  1 ! MODIFIED BY:
;    51          0051  1 !
;    52          0052  1 !       V03-017 ACG0415         Andrew C. Goldstein,    9-Apr-1984  11:35
;    53          0053  1 !               Add patch area to code sections
;    54          0054  1 !
;    55          0055  1 !       V03-016 ACG0408         Andrew C. Goldstein,    20-Mar-1984  16:08
;    56          0056  1 !               Redesign global storage generation. This module now just
;    57          0057  1 !               invokes a macro to generate the global storage definitions.
```

```
;    58          0058  1 !               The actual definitions of storage cells are in FCPDEF.
;    59          0059  1 !
;    60          0060  1 !       V03-015 CDS0013         Christian D. Saether    13-Feb-1984
;    61          0061  1 !               Remove old RDBLOK cells.  Add ACB_ADDR.
;    62          0062  1 !               Add BFR_LIST, BFR_CREDITS, and BFRS_USED vectors.
;    63          0063  1 !               Replace NO_LCKCHK with CACHELOCK.
;    64          0064  1 !
;    65          0065  1 !       V03-014 CDS0012         Christian D. Saether    27-Dec-1983
;    66          0066  1 !               Rearrange layout of variables to simplify construction
;    67          0067  1 !               of equivalent BIND statements.
;    68          0068  1 !
;    69          0069  1 !       V03-013 CDS0011         Christian D. Saether    12-Dec-1983
;    70          0070  1 !               Move OWN and GLOBAL declarations from other modules
;    71          0071  1 !               to this one to reduce number of image sections.
;    72          0072  1 !               Move code from this module to INIFCP.
;    73          0073  1 !
;    74          0074  1 !       V03-012 CDS0010         Christian D. Saether    10-Oct-1983
;    75          0075  1 !               Add cell to hold lockid of lock volume lock.
;    76          0076  1 !               Add flag to determine whether blocking checks are made.
;    77          0077  1 !               Redefine NO_LCKCHK as a byte.
;    78          0078  1 !
;    79          0079  1 !       V03-011 CDS0009         Christian D. Saether     3-Oct-1983
;    80          0080  1 !               Add CURR_LCKINDX.
;    81          0081  1 !
;    82          0082  1 !       V03-010 CDS0008         Christian D. Saether    14-Sep-1983
;    83          0083  1 !               Rework handling of serialization locks and
;    84          0084  1 !               associated data.
;    85          0085  1 !               Move MATCHING_ACE, FILE_SPEC_LEN, and FULL_FILE_SPEC
;    86          0086  1 !               again to get better locality between primary and
;    87          0087  1 !               secondary context areas.
;    88          0088  1 !               Add volume context flag save word.
;    89          0089  1 !
;    90          0090  1 !       V03-009 CDS0007         Christian D. Saether    27-Aug-1983
;    91          0091  1 !               Remove PREV_CHANNEL, DISK_UCB, DISK_UCB2, PREV_UCB.
;    92          0092  1 !               Add IO_CCB, ORIG_IOCHN_UCB.
;    93          0093  1 !               Move MATCHING_ACE, FILE_SPEC_LEN, and FULL_FILE_SPEC
;    94          0094  1 !               out of initialized context area to avoid initializing
;    95          0095  1 !               these large areas on every request.  They are
;    96          0096  1 !               explicitly initialized in the routines that use them.
;    97          0097  1 !
;    98          0098  1 !       V03-008 CDS0006         Christian D. Saether    27-Jul-1983
;    99          0099  1 !               Remove obselete jbc cells.
;   100          0100  1 !
;   101          0101  1 !       V03-007 LMP0121         L. Mark Pilant,         17-Jun-1983  9:14
;   102          0102  1 !               Up the storage for the full file specification.
;   103          0103  1 !
;   104          0104  1 !       V03-006 LMP0110         L. Mark Pilant,         3-May-1983  12:10
;   105          0105  1 !               Add storage for the access mask, privs used, and matching
;   106          0106  1 !               ACE.
;   107          0107  1 !
;   108          0108  1 !       V03-005 CDS0005         Christian D. Saether     3-May-1983
;   109          0109  1 !               Add lock status block for fid serialization lock.
;   110          0110  1 !               Add lock status block for directory file serial lock.
;   111          0111  1 !               Add lock status block for volume serialization.
;   112          0112  1 !
;   113          0113  1 !       V03-004 CDS0004         Christian D. Saether    22-Apr-1983
;   114          0114  1 !               Lock status block needs to be in context save area.
```

```
;  115          0115  1 !
;  116          0116  1 !       V03-003 CDS0003         Christian D. Saether     6-Apr-1983
;  117          0117  1 !               Define lock status block for access locks.
;  118          0118  1 !
;  119          0119  1 !       V03-002 CDS0002         C Saether                26-Oct-1982
;  120          0120  1 !               Remove AQB_PTR.  Only used in mount and dismount.
;  121          0121  1 !
;  122          0122  1 !       V03-001 CDS0001         C Saether                30-Jul-1982
;  123          0123  1 !               Add new cells for XQP support.
;  124          0124  1 !
;  125          0125  1 !       V02-010 ACG0245         Andrew C. Goldstein,     23-Dec-1981  20:36
;  126          0126  1 !               Add job controller mailbox channel
;  127          0127  1 !
;  128          0128  1 !       V02-009 ACG0208         Andrew C. Goldstein,     30-Oct-1981  19:28
;  129          0129  1 !               Add segmented directory record support
;  130          0130  1 !
;  131          0131  1 !       V02-008 ACG38100        Andrew C. Goldstein,     3-Jun-1981  11:57
;  132          0132  1 !               Fix granting of SYSPRV to volume owner
;  133          0133  1 !
;  134          0134  1 !       V02-007 ACG0167         Andrew C. Goldstein,     16-Apr-1980  19:25
;  135          0135  1 !               Previous revision history moved to F11B.REV
;  136          0136    !--
;  137          0137  1
;  138          0138  1
;  139          0139  1 LIBRARY 'SYS$LIBRARY:LIB.L32';
;  140          0140  1 REQUIRE 'SRC$:FCPDEF.B32';
```

```
;  142          1131  1 !'
;  143          1132  1
;  144          1133  1 ! ACP global impure data area
;  145          1134  1 !
;  146          1135  1 !-
;  147          1136  1
;  148          1137  1 GLOBAL_COMMON;
;  149          1138  1
;  150          1139  1 UNDECLARE
;  151          1140  1         CONTEXT_SIZE;
;  152          1141  1
;  153          1142  1 GLOBAL LITERAL
;  154          1143  1         CONTEXT_SIZE    = CONTEXT_END - CONTEXT_START,  ! byte count of context area
;  155          1144  1         IMPURE_SIZE     = IMPURE_END - IMPURE_START,    ! byte count of impure area
;  156          1145  1         STORAGE_SIZE    = STORAGE_END - STORAGE_START,  ! total impure area size
;  157          1146  1         STORAGE_OFFSET  = - STORAGE_START;              ! offset of base register
;  158          1147  1 !
;  159          1148  1 ! Check the length of the context save area.
;  160          1149  1 !
;  161          1150  1 $ASSUME (CONTEXT_SAVE_END, EQL, CONTEXT_SAVE + CONTEXT_SIZE);
;  162          1151  1
;  163          1152  1 !
;  164          1153  1 ! Allocate space for paged and non-paged patch areas.
;  165          1154  1 !
;  166          1155  1 PSECT   OWN             = $CODE9$ (NOWRITE, EXECUTE, ALIGN (9));
;  167          1156  1 OWN     PAGED_END       : VECTOR [0];
;  168          1157  1 PSECT   GLOBAL          = $CODE8$ (NOWRITE, EXECUTE, ALIGN (2));
;  169          1158  1 GLOBAL  PAGED_PATCH     : VECTOR [128]
;  170          1159  1                           INITIAL (PAGED_END - PAGED_PATCH - 8, PAGED_PATCH + 8);
;  171          1160  1
;  172          1161  1 PSECT   OWN             = $LOCKEDC9$ (NOWRITE, EXECUTE, ALIGN (9));
;  173          1162  1 OWN     NONPAGED_END    : VECTOR [0];
;  174          1163  1 PSECT   GLOBAL          = $LOCKEDC8$ (NOWRITE, EXECUTE, ALIGN (2));
;  175          1164  1 GLOBAL  NONPAGED_PATCH  : VECTOR [64]
;  176          1165  1                           INITIAL (NONPAGED_END - NONPAGED_PATCH - 8, NONPAGED_PATCH + 8);
;  177          1166  1
;  178          1167  1 END
;  179          1168  0 ELUDOM


                                        .TITLE  COMMON
                                        .IDENT  \V04-000\

                                        .PSECT  $LOCKEDC8$,NOWRT,2

                    00000000* 00000 NONPAGED_PATCH::
                                        .LONG   <<NONPAGED_END-NONPAGED_PATCH>-8>       ;
                    00000000' 00004     .ADDRESS NONPAGED_PATCH+8                       ;
                              00008     .BLKB   248

                                        .PSECT  $LOCKEDC9$,NOWRT,9

                              00000 NONPAGED_END:
                                        .BLKB   0

                                        .PSECT  $CODE8$,NOWRT,2
```

```
00000000*  00000 PAGED_PATCH::
                   .LONG    <<PAGED_END-PAGED_PATCH>-8>
00000000'  00004   .ADDRESS PAGED_PATCH+8
           00008   .BLKB    504

                   .PSECT   $CODE9$,NOWRT,9

           00000 PAGED_END:
                   .BLKB    0

                 STORAGE_START==      -2752
                 L_DATA_START==       -2752
                 XQP_STACK==          -2752
                 XQP_QUEUE==          -192
                 XQP_DISPATCHER==     -184
                 CODE_SIZE==          -180
                 CODE_ADDRESS==       -176
                 DATA_SIZE==          -172
                 DATA_ADDRESS==       -168
                 PREV_FP==            -164
                 PREV_STKLIM==        -160
                 XQP_STKLIM==         -152
                 XQP_SAVFP==          -144
                 IO_UCB==             -140
                 IO_CHANNEL==         -136
                 BLOCK_LOCKID==       -132
                 IMPURE_START==       -128
                 USER_STATUS==        -128
                 IO_STATUS==          -120
                 IO_PACKET==          -112
                 CURRENT_UCB==        -108
                 CURRENT_VCB==        -104
                 CURRENT_RVT==        -100
                 CURRENT_RVN==        -96
                 SAVE_VC_FLAGS==      -92
                 STSFLGS==            -90
                 BLOCK_CHECK==        -89
                 NEW_FID==            -88
                 NEW_FID_RVN==        -84
                 HEADER_LBN==         -80
                 BITMAP_VBN==         -76
                 BITMAP_RVN==         -72
                 BITMAP_BUFFER==      -68
                 SAVE_STATUS==        -64
                 PRIVS_USED==         -60
                 ACB_ADDR==           -56
                 BFR_LIST==           -52
                 BFR_CREDITS==        -20
                 BFRS_USED==          -12
                 CACHE_HDR==          -4
                 CONTEXT_START==      0
                 CLEANUP_FLAGS==      0
                 FILE_HEADER==        4
                 PRIMARY_FCB==        8
                 CURRENT_WINDOW==     12
                 CURRENT_FIB==        16
                 CURR_LCKINDX==       20
```

```
PRIM_LCKINDX==          24
LOC_RVN==               28
LOC_LBN==               32
UNREC_LBN==             36
UNREC_COUNT==           40
UNREC_RVN==             44
PREV_LINK==             48
CONTEXT_END==           54
CONTEXT_SAVE==          54
CONTEXT_SAVE_END==      108
LB_LOCKID==             108
LB_BASIS==              128
LB_HDRSEQ==             148
LB_DATASEQ==            168
LB_FILESIZE==           188
DIR_FCB==               208
DIR_LCKINDX==           212
DIR_RECORD==            216
DIR_CONTEXT==           220
OLD_VERSION_FID==       332
PREV_VERSION==          338
PREV_NAME==             342
PADDING_0==             423
PREV_INAME==            424
SUPER_FID==             510
LOCAL_FIB==             516
SECOND_FIB==            580
LOCAL_ARB==             644
L_DATA_END==            692
QUOTA_RECORD==          692
FREE_QUOTA==            696
REAL_Q_REC==            700
QUOTA_INDEX==           704
DUMMY_REC==             708
AUDIT_COUNT==           740
IMPURE_END==            744
MATCHING_ACE==          744
FILE_SPEC_LEN==         1256
FULL_FILE_SPEC==        1258
PMS_TOT_READ==          2280
PMS_TOT_WRITE==         2284
PMS_TOT_CACHE==         2288
PMS_FNC_READ==          2292
PMS_FNC_WRITE==         2296
PMS_FNC_CACHE==         2300
PMS_FNC_CPU==           2304
PMS_FNC_PFA==           2308
PMS_SUB_NEST==          2312
PMS_SUB_FUNC==          2316
PMS_SUB_READ==          2320
PMS_SUB_WRITE==         2324
PMS_SUB_CACHE==         2328
PMS_SUB_CPU==           2332
PMS_SUB_PFA==           2336
AUDIT_ARGLIST==         2340
STORAGE_END==           2404
CONTEXT_SIZE==          54
```

```
IMPURE_SIZE==        872
STORAGE_SIZE==      5156
STORAGE_OFFSET==    2752
```

PSECT SUMMARY

Name	Bytes	Attributes
$CODE9$	0	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(9)
$CODE8$	512	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
$LOCKEDC9$	0	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(9)
$LOCKEDC8$	256	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
. ABS .	0	NOVEC,NOWRT,NORD ,NOEXE,NOSHR, LCL, ABS, CON,NOPIC,ALIGN(0)

Library Statistics

File	Symbols Total	Symbols Loaded	Symbols Percent	Pages Mapped	Processing Time
_255DUA28:[SYSLIB]LIB.L32;1	18619	18	0	1000	00:01.9

COMMAND QUALIFIERS

```
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:COMMON/OBJ=OBJ$:COMMON MSRC$:COMMON/UPDATE=(ENH$:COMMON)

; Size:         0 code + 768 data bytes
; Run Time:        00:13.6
; Elapsed Time:    00:29.7
; Lines/CPU Min:    5156
; Lexemes/CPU-Min: 57920
; Memory Used:  110 pages
; Compilation Complete
```

CHKDMO
LIS

CPYNAM
LIS

CLENUP
LIS

CHKPRO
LIS

CHARGEQ
LIS

COMMON
LIS

CREATE
LIS

BADSCN
LIS

CHKHD2
LIS

CHKSUM
LIS

ALLOCB
LIS