MTAACP

FILEID**RESACC

```
RRRRRRRR    EEEEEEEEEE    SSSSSSSS      AAAAAA      CCCCCCCC    CCCCCCCC
RRRRRRRR    EEEEEEEEEE    SSSSSSSS      AAAAAA      CCCCCCCC    CCCCCCCC
RR     RR   EE            SS          AA      AA    CC          CC
RR     RR   EE            SS          AA      AA    CC          CC
RR     RR   EE            SS          AA      AA    CC          CC
RRRRRRRR    EEEEEEEE        SSSSSS     AA      AA    CC          CC
RRRRRRRR    EEEEEEEE        SSSSSS     AA      AA    CC          CC
RR   RR     EE                   SS   AAAAAAAAAA    CC          CC
RR   RR     EE                   SS   AAAAAAAAAA    CC          CC
RR     RR   EE                   SS   AA      AA    CC          CC
RR     RR   EE                   SS   AA      AA    CC          CC
RR     RR   EEEEEEEEEE    SSSSSSSS     AA      AA    CCCCCCCC    CCCCCCCC    ....
RR     RR   EEEEEEEEEE    SSSSSSSS     AA      AA    CCCCCCCC    CCCCCCCC    ....


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

```
    1    0001  0
    2    0002  0  MODULE RESACC (LANGUAGE (BLISS32) ,
    3    0003  0                 IDENT = 'V04-000'
    4    0004  0                 ) =
    5    0005  1  BEGIN
    6    0006  1  !
    7    0007  1  !*****************************************************************
    8    0008  1  !*                                                               *
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   26    0026  1  !*                                                               *
   27    0027  1  !*                                                               *
   28    0028  1  !*****************************************************************
   29    0029  1
   30    0030  1  !++
   31    0031  1  !
   32    0032  1  !  FACILITY:  MTAACP
   33    0033  1  !
   34    0034  1  !  ABSTRACT:
   35    0035  1  !       This module restores the file access to what was originally requested
   36    0036  1  !
   37    0037  1  !
   38    0038  1  !  ENVIRONMENT:
   39    0039  1  !
   40    0040  1  !       STARLET operating system, including privileged system services
   41    0041  1  !       and internal exec routines.
   42    0042  1  !
   43    0043  1  !--
   44    0044  1  !
   45    0045  1  !
   46    0046  1  !
   47    0047  1  !  AUTHOR:  D. H. GILLESPIE,     CREATION DATE:  06-AUG-1977
   48    0048  1  !
   49    0049  1  !  MODIFIED BY:
   50    0050  1  !
   51    0051  1  !       V02-002 REFORMAT        Maria del C. Nasr        30-Jun-1980
   52    0052  1  !
   53    0053  1  !**
   54    0054  1
   55    0055  1  LIBRARY 'SYS$LIBRARY:LIB.L32';
   56    0056  1
   57    0057  1  REQUIRE 'SRC$:MTADEF.B32';
```

```
;   58          0441  1
;   59          0442  1 LOCK_CODE;
;   60          0443  1
```

```
  62    0444   1  GLOBAL ROUTINE RESTORE_ACCESS : COMMON_CALL NOVALUE =
  63    0445   1
  64    0446   1  !++
  65    0447   1  !
  66    0448   1  !  FUNCTIONAL DESCRIPTION:
  67    0449   1  !      This routine restores the file access to what was originally requested
  68    0450   1  !      and restores mapping pointer
  69    0451   1  !
  70    0452   1  !  CALLING SEQUENCE:
  71    0453   1  !      RESTORE_ACCESS()
  72    0454   1  !      called in kernel_mode
  73    0455   1  !
  74    0456   1  !  INPUT PARAMETERS:
  75    0457   1  !      none
  76    0458   1  !
  77    0459   1  !  IMPLICIT INPUTS:
  78    0460   1  !      CURRENT_WCB - address of current window control block
  79    0461   1  !      this code is locked into core because it runs at synch level
  80    0462   1  !      to synchronize with QIO code
  81    0463   1  !
  82    0464   1  !  OUTPUT PARAMETERS:
  83    0465   1  !      none
  84    0466   1  !
  85    0467   1  !  IMPLICIT OUTPUTS:
  86    0468   1  !      file access restored
  87    0469   1  !
  88    0470   1  !  ROUTINE VALUE:
  89    0471   1  !      none
  90    0472   1  !
  91    0473   1  !  SIDE EFFECTS:
  92    0474   1  !      none
  93    0475   1  !
  94    0476   1  !--
  95    0477   1
  96    0478   2      BEGIN
  97    0479   2
  98    0480   2      EXTERNAL REGISTER
  99    0481   2          COMMON_REG;
 100    0482   2
 101    0483   2      EXTERNAL
 102    0484   2          CURRENT_UCB        : REF BBLOCK,   ! address of current unit control block
 103    0485   2          CURRENT_WCB        : REF BBLOCK;   ! address of current window control block
 104    0486   2
 105    0487   2      ! about to change access to file
 106    0488   2      !
 107    0489   2      SET_IPL(IPL$_SYNCH);                         ! synchronize with QIO
 108    0490   2      CURRENT_WCB[WCB$V_READ] = 1;                 ! always get read access
 109    0491   2      CURRENT_WCB[WCB$V_WRITE] = .CURRENT_WCB[WCB$V_WRITEAC];
 110    0492   2
 111    0493   2      ! restore mapping pter
 112    0494   2      !
 113    0495   2      CURRENT_WCB[WCB$W_NMAP] = 1;
 114    0496   2      (CURRENT_WCB[WCB$Q_P1_COUNT])<0, 32> = .CURRENT_UCB;
 115    0497   2      SET_IPL(0);                                  ! lower IPL
 116    0498   2      CURRENT_VCB[VCB$V_LOGICEOVS] = 0;
 117    0499   1      END;
```

```
                                                            .TITLE  RESACC
                                                            .IDENT  \V04-000\

                                                            .EXTRN  CURRENT_UCB, CURRENT_WCB

                                                            .PSECT  $LOCKEDC1$,NOWRT,2

                                       0000 00000           .ENTRY  RESTORE_ACCESS, Save nothing      : 0444
                        12          08 DA 00002             MTPR    #8, #18                           : 0489
                        50  0000G   CF D0 00005             MOVL    CURRENT_WCB, R0                    : 0490
                    0B  A0          01 88 0000A             BISB2   #1, 11(R0)
          0B  A0          01        01 A0 F0 0000E          INSV    21(R0), #1, #1, 11(R0)            : 0491
                        16  A0   15 01 B0 00015             MOVW    #1, 22(R0)                        : 0495
                        30  A0  0000G CF D0 00019           MOVL    CURRENT_UCB, 48(R0)               : 0496
                        12          00 DA 0001F             MTPR    #0, #18                           : 0497
                    0B  AB          02 8A 00022             BICB2   #2, 11(CURRENT_VCB)               : 0498
                                    04 00026                RET                                       : 0499
```

; Routine Size: 39 bytes,   Routine Base: $LOCKEDC1$ + 0000

```
:  118              0500  1
:  119              0501  1 END
:  120              0502  1
:  121              0503  0 ELUDOM
```

                            PSECT SUMMARY

        Name   Bytes   Attributes

    $LOCKEDC1$ 39 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

                        Library Statistics

                                    -------- Symbols --------   Pages   Processing
        File   Total   Loaded   Percent   Mapped   Time

    _255DUA28:[SYSLIB]LIB.L32;1   18619   11   0   1000   00:01.8

;   COMMAND QUALIFIERS

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

```
; Size:          39 code + 0 data bytes
; Run Time:         00:05.5
; Elapsed Time:     00:15.4
; Lines/CPU Min:     5477
; Lexemes/CPU-Min: 22388
; Memory Used:  65 pages
; Compilation Complete
```

WTATTR
LIS

POSFID
LIS

RESACC
LIS

RWVOL
LIS

MTHRTL

STRVIO
LIS

MTHRTL
MAP

POSBE
LIS

RDATTR
LIS

REWSPC
LIS

UVMTHRTL
MAP