

```

EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MM MM MM PP PP LL EE SS
EE XX XX AA AA MM MM MM PP PP LL EE SS
EEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EE XX XX AAAAAAAAAA MM MM PP LL EE SS
EE XX XX AAAAAAAAAA MM MM PP LL EE SS
EE XX XX AAAAAAAAAA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EE SS
EE XX XX AA AA MM MM PP LL EE SS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS

```

```

MM      MM      AAAAAA      IIIIII      LL      UU      UU      AAAAAA      FFFFFFFF
MM      MM      AAAAAA      IIIIII      LL      UU      UU      AAAAAA      FFFFFFFF
MMMM    MMMM    AA      AA      II      LL      UU      AA      AA      FF
MMMM    MMMM    AA      AA      II      LL      UU      AA      AA      FF
MM      MM      AA      AA      II      LL      UU      AA      AA      FF
MM      MM      AA      AA      II      LL      UU      AA      AA      FF
MM      MM      AA      AA      II      LL      UU      AA      AA      FFFFFFFF
MM      MM      AA      AA      II      LL      UU      AA      AA      FFFFFFFF
MM      MM      AAAAAAAAAA      II      LL      UU      AAAAAAAAAA      FF
MM      MM      AAAAAAAAAA      II      LL      UU      AAAAAAAAAA      FF
MM      MM      AA      AA      II      LL      UU      AA      AA      FF
MM      MM      AA      AA      II      LL      UU      AA      AA      FF
MM      MM      AA      AA      IIIIII      LLLLLLLLLL      UUUUUUUUUU      AA      AA      FF
MM      MM      AA      AA      IIIIII      LLLLLLLLLL      UUUUUUUUUU      AA      AA      FF

```

```

....
....
....
....

```

```

CCCCCCCC      000000      MM      MM
CCCCCCCC      000000      MM      MM
CC      00      00      MMMM      MMMM
CC      00      00      MMMM      MMMM
CC      00      00      MM      MM
CC      00      00      MM      MM
CC      00      00      MM      MM
CC      00      00      MM      MM
CC      00      00      MM      MM
CC      00      00      MM      MM
CC      00      00      MM      MM
CC      00      00      MM      MM
CCCCCCCC      000000      MM      MM
CCCCCCCC      000000      MM      MM

```

```

$ **
$
$ MAILUAF.COM - Modify SYSSYSTEM:VMSMAIL.DAT
$
$ ABSTRACT: Sample command procedure to modify
$ SYSSYSTEM:VMSMAIL.DAT
$
$ This command procedure will prompt
$ the user for a command. The valid
$ commands are:
$
$ ADD username - Add a new user to SYSSYSTEM:VMSMAIL.DAT
$ CANCEL username - Cancel mail forwarding for username
$ EXIT - Exit from this procedure
$ HELP - Type help message
$ MODIFY username - Modify mail forwarding address for username
$ REMOVE username - Remove username from SYSSYSTEM:VMSMAIL.DAT
$ SHOW username - Display mail information about username
$ LIST - List forwarding addresses for all users
$
$
$ REQUIRED PRIVILEGES:
$ BYPASS
$
$ IMPLICIT OUTPUT:
$ SYSSYSTEM:VMSMAIL.DAT will be created if it does
$ not exist.
$
$ --
$ if = "IF"
$ inquire = "INQUIRE"
$ open = "OPEN"
$ goto = "GOTO"
$ write = "WRITE"
$ create = "CREATE"
$ type = "TYPE"
$ read = "READ"
$ close = "CLOSE"
$ exit = "EXIT"
$ ask = "inquire/nopunctuation"
$ prev_priv = f$setprv("SYSPRV")
$ sysmai = "SYSSYSTEM:VMSMAIL.DAT"
$ open /share=write /read /write /error=no_file f1 'sysmai'
$ goto file_open
$no_file:
$ write sys$output sysmai," not found...creating new file"
$ create /fdl=sys$input 'sysmai' !Create new VMSMAIL.DAT
IDENT VMS MAIL Information data file
$
$ FILE
$ ALLOCATION 10
$ BEST_TRY_CONTIGUOUS yes
$ BUCKET_SIZE 2

```

```

CONTIGUOUS          no
EXTENSION           10
GLOBAL_BUFFER_COUNT 0
ORGANIZATION        indexed
OWNER               [001,004]
PROTECTION           (system:RWE, owner:RWE, group:, world:)

```

RECORD

```

BLOCK_SPAN          yes
CARRIAGE_CONTROL    none
FORMAT              variable
SIZE                0

```

AREA 0

```

ALLOCATION           10
BEST_TRY_CONTIGUOUS yes
BUCKET_SIZE         2
CONTIGUOUS          no
EXTENSION           10

```

KEY 0

```

CHANGES            no
DATA_KEY_COMPRESSION yes
DATA_RECORD_COMPRESSION yes
DATA_AREA           0
DATA_FILL           100
DUPLICATES          no
INDEX_AREA          0
INDEX_COMPRESSION   yes
INDEX_FILL          100
LEVELT_INDEX_AREA   0
NULL_KEY            no
PROLOGUE            3
SEGO_LENGTH         31
SEGC_POSITION       0
TYPE                string

```

```

$ open /share=read /read /write fl 'sysmai'
$file_open:
$ on control_y then goto done
$
$ : Main loop. Get command and username then dispatch
$
$do_command:
$ ask line 'MAILUAF> '
$ line:='line'
$ if line .eqs. "" then goto done
$ t1 = f$locate("",line)
$ command = f$extract(0,t1,line)
$ user = f$extract(t1+1,31,line)
$ if f$locate(command,'HELP') .eq. 0 then goto help_user
$ if f$locate(command,'EXIT') .eq. 0 then goto done
$ if f$locate(command,'LIST') .eq. 0 then goto list_users
$ if user .eqs. "" then goto syntaxerr
$ fulluser[0,31]='user'
$ if f$locate(command,'ADD') .eq. 0 then goto add_user
$ if f$locate(command,'CANCEL') .eq. 0 then goto cancel_user

```

```

$ if f$locate(command,'MODIFY') .eq. 0 then goto modify_user
$ if f$locate(command,'REMOVE') .eq. 0 then goto remove_user
$ if f$locate(command,'SHOW') .eq. 0 then goto show_user
$help_user:
$ type sys$input:

ADD username          Add a new user
CANCEL username       Cancel forwarding for a user
EXIT                  Exit from MAIUAF
HELP                  Type this
MODIFY username       Modify forwarding address for a user
REMOVE username       Remove a user completely
SHOW username         Show MAIL information about user
LIST                  List forwarding addresses for all users in VMSMAIL.DAT

$ goto do_command
$add_user:
$ read /index=0 /err=add_10 /key="" 'fulluser' f1 record
$ write sys$output 'User "",user," record already exists'
$ goto do_command
$add_10:
$ s1 = "" record""
$ if f$length(s1) .ne. 0 then $ delete/symbol record
$ record[0,31] := 'user'
$ record[248,288]=0
$ ask address 'forwarding address? '
$ t1 = f$length(address)
$ record[536,8] = 't1'
$ record[68,'t1'] := 'address'
$ write f1 record
$ write sys$output 'User "",user," added'
$ goto do_command
$cancel_user:
$ read /index=0 /err=nosuchuser/key="" 'fulluser' f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ address := 'address'
$ naddress = f$extract(0,addr_length,address)
$ t2 = f$length(address)
$ t2 = 't2' - 'addr_length'
$ if addr_length .eq. 0 then goto show_10
$ write sys$output 'User "",user," forwarding address is "",naddress
$ ask yn 'cancel mail forwarding? '
$ if .not. yn then goto do_command
$ record[536,8]=0
$ record[68,255] := "" f$extract(68+addr_length,255-addr_length,record)""
$ record = f$extract(0,68+'t2',record)
$ write /update f1 record
$ goto do_command
$list_users:
$ close f1
$ open /share=write/read /write f1 'sysmai'
$ write sys$output
$ write sys$output 'Username          Forwarding address:'
$ write sys$output '-----'
$list_10:

```

```

$ read /end=do_command f1 record
$ user = f$extract(0,31,record)
$ addr_length = f$cvui(67*8,8,record)
$ address = f$extract(68,255,record)
$ address := 'address'
$ address = f$extract(0,addr_length,address)
$ write sys$output user,"",address
$ goto list_10
$ goto do_command
$modify user:
$ read /index=0 /err=nosuchuser /key=""fulluser"" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ naddress = f$extract(0,addr_length,address)
$ t2 = f$length(address)
$ if addr_length .ne. 0 then goto xx1
$ write sys$output 'User ',user,' does not have forwarding enabled'
$ goto xx2
$xx1:
$ write sys$output 'Current forwarding address is ',naddress
$xx2:
$ ask naddress 'New forwarding address? '
$ if naddress .eqs. "" then goto do_command
$ address = f$extract(addr_length,t2-addr_length,address)
$ t1 = f$length(naddress)
$ record[536,8]='t1'
$ record[68,255]='naddress'address'
$ record = f$extract(0,68+t1+t2,record)
$ write /update f1 record
$ write sys$output 'User ',user,' modified'
$ goto do_command
$nosuchuser:
$ write sys$output 'User ',user,' record does not exist'
$ goto do_command
$remove user:
$ read /index=0 /err=nosuchuser/key=""fulluser"" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ address := 'address'
$ if addr_length .eq. 0 then goto xx0
$ address = f$extract(0,addr_length,address)
$ write sys$output 'User ',user,', forwarding address is ',address
$ goto xx9
$xx0:
$ write sys$output 'User ',user,' does not have forwarding enabled'
$xx9:
$ ask yn 'Remove? '
$ if .not. yn then goto do_command
$ read /index=0/key=""fulluser"" /delete f1 record
$ goto do_command
$show user:
$ read /index=0 /err=nosuchuser /key=""fulluser"" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ fnleng=f$cvui(66*8,8,record)
$ dirlng=f$cvui(65*8,8,record)

```

```
$ address := 'address'
$ full_name := ""f$extract(68+addr_length,fnlmg,record)""
$ dir_spec = f$extract(addr_length+fnlmg,dirlng,address)
$ if dirlng .eq. 0 then goto no_dir
$ write sys$output "User ",user,", MAIL subdirectory is ",dir_spec
$ goto test_full_name
$no_dir:
$ write sys$output "User ",user," did not specify a MAIL subdirectory"
$test_full_name:
$ if fnlmg .eq. 0 then goto no_pers_name
$ write sys$output "User ",user,", MAIL personal name is ",full_name
$ goto check_forward
$no_pers_name:
$ write sys$output "User ",user," does not have a MAIL personal name."
$check_forward:
$ if addr_length .eq. 0 then goto show_10
$ address = f$extract(0,addr_length,address)
$ write sys$output "User ",user,", forwarding address is ",address
$ goto do_command
$show_10:
$ write sys$output "User ",user," does not have forwarding enabled"
$ goto do_command
$syntaxerr:
$ write sys$output "Command syntax error"
$ goto do_command
$done:
$ close f1
$ prev_priv = f$setprv(prev_priv)
$ exit
```

MAILCUT
COM

SYSGTTSTR
MSG

USSLNK
COM

EXCDEF5
SDL

EXCLIB
B32

EXCREQ
R32

EXCCOPY
LIS

MAILUAF
COM

USSTLNK
COM

EXCHNG

EXCLDTBL
LIS

XATEST
COM

EXCHANGE
MAP

EXCCMD
LIS

LABIO
OPT

MSCPMOUNT
COM

LABIOCIN
OPT

DRCOPY
PRM