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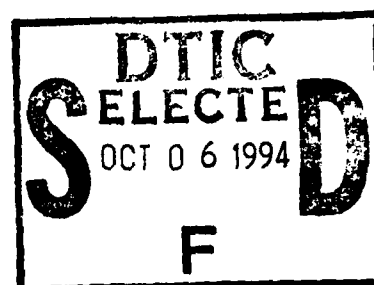


NAVAL HEALTH RESEARCH CENTER

HAZARDOUS MATERIAL LIFE-CYCLE COST MODEL

TECHNICAL MANUAL

VERSION 1.2



H. L. Ly

G. Pang

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BETHESDA, MARYLAND

Hazardous Material Life-Cycle Cost Model

Technical Manual

Version 1.2

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SUMMARY

This technical manual contains the information on the program source code, data elements, and file structures needed to maintain the Hazardous Material Life-Cycle Cost Model. This documentation was created using the FoxDoc Version 2.5a program.

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Introduction. This document was created using the FoxDoc Version 2.5a program to generate the technical documentation for the Hazardous Material Life-Cycle Cost Model (HMLCCM) system. The documentation is separated into seven sections: (1) System Summary, (2) Menu Summary, (3) Screen Summary, (4) Data Dictionary, (5) Tree Diagram, (6) Procedure Summary, and (7) Source Code Program Listings.

Section I. System Summary. See Section V for the tree diagram of the programs, procedures, functions, and format files.

```

This system has:
  11971 lines of code
    1 program file
    40 procedure files
  155 procedures and functions
    63 databases
    11 structural index files
    1 menu file
    11 screen files
    1 other file
  
```

Section II. Menu Summary. The following description lists the menu options used to drive the system. HMENU.MNX is the only menu template created.

<u>OPTION NAME</u>	<u>KEYS\FUNCTION CALLED</u>
System	ALT+S _MSM_SYSTM
Help...	F1 _MST_HELP
-----	_MST_SP100
Calculator	_MST_CALCU
-----	(Submenu)
HMLCCM	(Submenu HMLCCM)
Cost Analysis	(Submenu COSTANALYS)
Build Hazmat Scenario	do hmssc
OSHA Z-Table	do hmztab
Reference Material	do hmmsds
System Maintenance	(Submenu SYSTEMMAIN)
Back-Up (floppy)	(Procedure)
Up-Load Data	(Procedure)
Set Parameters	(Submenu SETPARAMET)
Materials	CTRL+M do hmat.spr
Life Cycle Phase	CTRL+L do hmlc.spr
Process	CTRL+W do hmwp.spr
EXposure Type	CTRL+X do hmet.spr
Cost Factors	CTRL+F do hmcfe.spr
Cost Factor Elements	CTRL+E do hmcfe.spr
Cost Factor Element Items	CTRL+I do hmcfe.spr
Build Hazmat Table	CTRL+B do hmtab.spr
File	ALT+F _MSM_FILE
Printer Setup...	_MFI_SETUP
Print...	_MFI_PRINT
-----	_MFI_SP300
Quit	do _quit in hminit

<u>OPTION NAME</u>	<u>KEYS\FUNCTION CALLED</u>
Edit	ALT+E _MSM_EDIT
Undo	CTRL+U _MED_UNDO
Redo	CTRL+R _MED_REDO
-----	_MED_SP100
Cut	CTRL+X _MED_CUT
Copy	CTRL+C _MED_COPY
Paste	CTRL+V _MED_PASTE
Clear	_MED_CLEAR
-----	_MED_SP200
Select All	CTRL+A _MED_SLCTA
-----	_MED_SP300
Goto Line...	_MED_GOTO
Find...	CTRL+F _MED_FIND
Find Again	CTRL+G _MED_FINDA
Replace And Find Again	CTRL+E _MED_REPL
Replace All	_MED_REPLA
-----	_MED_SP400
Preferences...	_MED_PREF
Database	ALT+D _MSM_DATA
Browse	_MDA_BROW
-----	_MDA_SP100
Sort...	_MDA_SORT
Total...	_MDA_TOTAL
-----	_MDA_SP200
Average...	_MDA_AVG
Count...	_MDA_COUNT
Sum...	_MDA_SUM
Calculate...	_MDA_CALC
Report...	_MDA_REPRT
Record	ALT+R _MSM_REC RD
Goto...	_MRC_GOTO
Locate...	_MRC_LOCAT
Continue	CTRL+K _MRC_CONT
Seek...	_MRC_SEEK
-----	_MRC_SP200
Replace...	_MRC_REPL
Delete...	_MRC_DELET
Recall...	_MRC_RECAL
Program	ALT+P _MSM_PROG
Cancel	_MPR_CANCL
Resume	CTRL+M _MPR_RESUM
Window	ALT+W _MSM_WINDO
Hide	_MWI_HIDE
Hide All	_MWI_HIDEA
Show All	_MWI_SHOWA
Clear	_MWI_CLEAR
-----	_MWI_SP100
Move	CTRL+F7 _MWI_MOVE
Size	CTRL+F8 _MWI_SIZE
Zoom ^X	CTRL+F10 _MWI_ZOOM
Zoom ^Y	CTRL+F9 _MWI_MIN
Cycle	CTRL+F11 _MWI_ROTAT
Color...	_MWI_COLOR
-----	_MWI_SP200
Command	CTRL+F2 _MWI_CMD
Debug	_MWI_DEBUG
Trace	_MWI_TRACE
View	_MWI_VIEW

Section III. Screen Summary. Ten (10) screen files were created as input templates for the HMLCCM system: HMAT.SCX, HMLC.SCX, HMWP.SCX, HMET.SCX, HMC.F.SCX, HMC.FE.SCX, HMC.FEI.SCX, HMTAB.SCX, HMCOMP.SCX, and W_PRINT.SCX.

HMAT.SCX Last updated: 09/15/93 at 13:34

HAZARDOUS MATERIALS

```

0 ID 1: hm Materials Name: 2: hmatname.....
1 Manufactory: 3: mfg.....
2 NIIN #: 4: niin... Common Name: 5: hmcom.....
3
46:msds.....
5.....
6.....
7.....
8.....
9.....
10.....
11.....
12.....
13.....
14.....
15.....
16.....
17
18 < Add > < Next > <Previous> < Exit > < Save > <Cancel>

```

Window name: Hmat
Coordinates: FROM 0,0 TO 0,79
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: M.hmatid	Field	
2: M.hmatname	Field	"@!"
3: m.mfg	Field	
4: m.niin	Field	
5: m.hmcom	Field	
6: m.msds	Field	
7: m.Action	Push button	"@*HN \<Add;\<Next;\<Previous;\<E\<xit"
8: m.Save	Push button	"@*HN \<Save;\<Cancel"

HMLC.SCX

Last updated: 09/15/93 at 13:34

```

0           HM LIFE CYCLE PHASES
1
2           PHASE ID: 2: hmlcid.
3
4           PHASE NAME: 3: hmlc.....
5
6
7
8           < Save > <Cancel>
9
           < Add >
           < Edit >
           << Next >>
           <Previous>
           < Exit >

```

Window name: Hmlc
Coordinates: FROM 0,0 TO 0,51
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.Action	Push button	"@*VN \<Add;\<Edit;!\<Next;\<Previous;\?E\<xit"
2: m.hmlcid	Field	
3: m.hmlc	Field	"@!"
4: m.Save	Push button	"@*HN \<Save;\<Cancel"

HMWP.SCX

Last updated: 09/15/93 at 13:34

```

0           HM PROCESSES
1
2           ID NUM: 2: hmwpid.
3
4           PROCESS: 3: hmwp.....
5           .....
6           .....
7           .....
8           .....
9           .....
10
11          < Save > <Cancel>
12
           < Add >
           < Edit >
           << Next >>
           <Previous>
           < Exit >

```

Window name: Hmwp
Coordinates: FROM 0,0 TO 0,63
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.Action	Push button	"@*VN \<Add;\<Edit;!\<Next;\<Previous;\?E\<xit"
2: m.hmwpid	Field	
3: m.hmwp	Field	"@!"
4: m.Save	Push button	"@*HN \<Save;\<Cancel"

HMET.SCX

Last updated: 09/15/93 at 13:34

```

0           HM EXPOSURE TYPES
1
2           ID NUM: 3: hmetid.
3
4           TYPE:.. 4: hmet.....
5
6
7
8           < Save > <Cancel>
9
           < Add >
           < Edit >
           << Next >>
           <Previous>
           < Exit >

```

Window name: Hmet
Coordinates: FROM 0,0 TO 0,51
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.Action	Push button	"@*VN \<Add;\<Edit;\\!\<Next;\<Previous;\?E\<xit"
2: m.Save	Push button	"@*HN \<Save;\<Cancel"
3: m.hmetid	Field	"@!"
4: m.hmet	Field	"@!"

HMCF.SCX

Last updated: 09/15/93 at 13:34

```

0           HM COST FACTORS
1
2           ID NUM: 2: hmcfid.
3
4           COST FACTOR: 3: hmcf.....
5
6
7
8           < Save > <Cancel>
9
           < Add >
           < Edit >
           << Next >>
           <Previous>
           < Exit >

```

Window name: Hmcf
Coordinates: FROM 0,0 TO 0,52
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.Action	Push button	"@*VN \<Add;\<Edit;\\!\<Next;\<Previous;\?E\<xit"
2: m.hmcfid	Field	"@!"
3: m.hmcf	Field	"@!"
4: m.Save	Push button	"@*HN \<Save;\<Cancel"

```

0          HM COST FACTOR ELEMENTS
1
2          < Add >
3
4          < Edit >
5          FACTOR: 2: hm 3: answr..... < Next >
6
7          ELEMENT: 4: hm 5: hmcfe..... <Previous>
8
9          << Top >>
10
11          < Save > <Cancel>
12
13          < Bottom >
14
15          < Exit >

```

Window name: Hmcfe
Coordinates: FROM 0,0 TO 0,66
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.Action	Push button	"@*VN \<Add;\<Edit;\<Next;\<Previous; \!\<Top;\<Bottom;\?E\<xit"
2: m.hmcfid	Field	
3: m.answr	Field	
4: m.hmcfeid	Field	
5: m.hmcfe	Field	"@!"
6: m.Save	Push button	"@*HN \<Save;\<Cancel"

```

0          COST FACTOR ELEMENT ITEMS          < Add >
1
2          < Edit >
3          FACTOR: 2: hm  3: answr.....
4          < Next >
5          ELEMENT: 4: hm  5: hmcfe.....
6          <Previous>
7          ITEM: 6: hm  7: hmcfei.....
8          << Top >>
9          COST:  8: hmcfeic
10
11
12          < Save > <Cancel>
13
14          < Bottom >
15          < Browse >
16          < Exit >

```

Window name: Hmcfei
Coordinates: FROM 0,0 TO 0,68
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.Action	Push button	"@*VN \<Add;\<Edit;\<Next;\<Previous;\<Top;\<Bottom;B\<rowse;\<E\<xit"
2: m.hmcfid	Field	
3: m.answr	Field	
4: m.hmcfeid	Field	
5: m.hmcfe	Field	"@!"
6: M.hmcfeiid	Field	
7: M.hmcfei	Field	"@!"
8: M.hmcfeicost	Field	"@\$"
9: m.Save	Push button	"@*HN \<Save;\<Cancel"

HMTAB.SCX

Last updated: 09/15/93 at 13:34

```

0      #2: t                HAZARDOUS MATERIALS TABLE
1  Material: 3: h 4: hmname..... < Add >
2      ..... Per: 5: hmunit..... < Edit >
3      ..... < Next >
4  Phase: 6: h 7: hmhc..... <Previous>
5  Process: 8: h 9: hmwp..... < Top >
6      ..... < Bottom>
7  Exposure Type:10: 11: hmet..... < Exit >
8  Probability of exposure:....12: hmetp < Save >
9
10  Factor: 13: 14: hmcf..... <Cancel>
11  Element: 15: 16: hmcf.....
12  Item: 17: 18: hmcf.....
13
14  Cost: 19: hmcf           Probability 20: p
15
16          By Person      ( ) YES(■) NO
17          By Day         ( ) YES(■) NO
18          By Quantity    ( ) YES(■) NO
19

```

Window name: Hmtab

Coordinates: FROM 0,0 TO 0,78

Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.Action	Push button	"@*VN \<Add;\<Edit \. \<Next;\<Previous;\<Top;\<Bottom;\?E\<xit"
2: m.tabid	Field	"@Z"
3: m.hmatid	Field	"@Z"
4: m.hmname	Field	"@!"
5: m.hmunit	Popup	"@^ "
6: m.hmhcid	Field	"@Z"
7: m.hmhc	Field	"@!"
8: m.hmwpid	Field	"@Z"
9: m.hmwp	Field	"@!"
10: m.hmetid	Field	"@Z"
11: m.hmet	Field	"@!"
12: m.hmetprob	Field	"@Z"
13: m.hmcfid	Field	"@Z"
14: m.hmcf	Field	"@Z"
15: m.hmcfid	Field	"@Z"
16: m.hmcf	Field	"@!"
17: m.hmcfid	Field	"@Z"
18: m.hmcf	Field	"@!"
19: m.hmcfecost	Field	"@\$\$\$,\$\$\$\$.99"
20: m.prob	Field	"9.99"
21: m.perp	Radio button	"@*RHN YES;NO"
22: m.perd	Radio button	"@*RHN YES;NO"
23: m.perq	Radio button	"@*RHN YES;NO"
24: m.Save	Push button	"@*VN \<Save;\<Cancel"

COMPUTE COST VALUE

```

0 Estimated Cost
1 Scenario:1: 2: chmscname... Estimated Variance
2
3 for Product: 3: hmat.....
4
5
6 [ ] . for Step: 4: step..... [ ] .
7
8
9 [ ] . for Factor: 7: fact..... [ ] .
10
11
12 [ ] . for Factor: 10: wfact..... at step: 11: wstep.... [ ] .
13
14
15 [ ] . for Phase: 14: phase..... [ ] .
16
17 # of Iterations Total of Scenario cost: ( ) Yes (■) No
18 18: sample..
19 < Ok > <Browse> <Cancel>

```

Window name: W_hmcost
Coordinates: FROM 0,0 TO 0,75
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.chmscid	Field	"@Z"
2: m.chmscname	Field	"@!T"
3: m.hmat	Popup	"@^ "
4: m.step	Popup	"@^ "
5: m.cstep	Check box	"@*C "
6: m.bstep	Check box	"@*C "
7: m.fact	Popup	"@^ "
8: m.cfact	Check box	"@*C "
9: m.bfact	Check box	"@*C "
10: m.wfact	Popup	"@^ "
11: m.wstep	Popup	"@^ "
12: m.cwstep	Check box	"@*C "
13: m.bwstep	Check box	"@*C "
14: m.phase	Popup	"@^ "
15: m.cphase	Check box	"@*C "
16: m.bphase	Check box	"@*C "
17: m.scost	Radio button	"@*RHN Yes ;No"
18: m.sample	Field	"@Z"
19: m.action	Push button	"@*HN \<Ok;\<Browse;\<Cancel"

W_PRINT.SCX

Last updated: 09/15/93 at 13:34

Print Option

```
0
1 Print to:.. (■) File
2             ( ) Printer
3
4
5
6 Filename: 1: mprintfile.....
7
8
9
10      < OK > <Cancel>
```

Window name: W_prn
Coordinates: FROM 0,0 TO 0,42
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mprintfile	Field	
2: mbuttons	Push button	"@*HT OK;\?Cancel"
3: mchoice	Radio button	"@*RVN File;Printer"

Section IV. Data Dictionary. There are eighteen database files in the HMLCCM system:

HMAT.DBF	-- Hazardous Materials File
HMCOM.DBF	-- Hazardous Material Common Name Table
HMLC.DBF	-- Hazardous Material Life Cycle Table
HMWP.DBF	-- Hazardous Material Work Process Table
HMET.DBF	-- Hazardous Material Exposure Type Table
HMCF.DBF	-- Hazardous Material Cost Factor Table
HMCFE.DBF	-- Hazardous Material Cost Factor Element Table
HMCFEI.DBF	-- Hazardous Material Cost Factor Element Item Table
HMUNIT.DBF	-- Hazardous Material Unit Table
HMTAB.DBF	-- Hazardous Material Scenario Table
HMSTEP.DBF	-- Hazardous Material Step Table
HMCOMP.DBF	-- Hazardous Material Cost Computation File
HMSCEN.DBF	-- Hazardous Material Scenario File
BOOT.DBF	-- Temporary file used for the bootstrap computations
HMTEMP.DBF	-- Temporary file used to store data from tables
TEMP.DBF	-- Temporary file used to store data from tables
TEST.DBF	-- Temporary file used to store data from tables
TLV	-- Threshold Limit Values for OSHA Z-Table

A. Database Structure Summary.

Structure for database : **HMAT.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMATID	Numeric	4		1	4
2	HMATNAME	Character	45		5	49
3	MFG	Character	25		50	74
4	NIIN	Character	9		75	83
5	MILSPEC	Character	11		84	94
6	HMCOST	Numeric	10	2	95	104
7	HMUNIT	Character	10		105	114
8	HMDESCRIPT	Memo	10		115	124
9	CHEM_PHY	Memo	10		125	134
10	HEALTH_HAZ	Memo	10		135	144
11	MED_SURV	Memo	10		145	154
12	OCC_EXP	Memo	10		155	164
13	PPE_TREAT	Memo	10		165	174
14	SPEC_TESTS	Memo	10		175	184
15	TREATMENT	Memo	10		185	194
16	SYN_TRADE	Memo	10		195	204
17	COM_USES	Memo	10		205	214
18	EXP_LIMITS	Memo	10		215	224
19	MSDS	Memo	10		225	234
** Total **			235			

This database is associated with the memo file: HMAT.FPT

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMAT.CDX

Used by: HMAT.SPR
: HMLU.PRG
: GET_HMCOMID() (function in C:\HAZMAT\GHM\WORK\HMTAB.SPR)
: GET_HMNAME (procedure in C:\HAZMAT\GHM\WORK\HMLU.PRG)

Structure for database : **HMCOM.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMCOMID	Numeric	4		1	4
2	COMMON	Character	30		5	34
3	NIIN	Character	9		35	43
** Total **			44			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMCOM.CDX

Used by: COMNAME() (function in C:\HAZMAT\GHM\WORK\HMAT.SPR)
: SAVECOM (procedure in C:\HAZMAT\GHM\WORK\HMAT.SPR)
: GET_HMCOMID() (function in C:\HAZMAT\GHM\WORK\HMTAB.SPR)
: COMPUTSTEP() (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)
: COMPUTMAT() (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)
: COMPUTFACT() (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)
: COMPUTWFACT() (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)

```

: COMPUTPHASE()      (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)
: BSTEP()           (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)
: BHMAT()           (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)
: BFACT()           (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)
: BWSTEP()          (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)
: BPHASE()          (function in C:\HAZMAT\GHM\WORK\HMCOMP.SPR)

```

Structure for database : **HMLC.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMLCID	Numeric	2		1	2
2	HMLC	Character	30		3	32
** Total **			33			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMLC.CDX

Used by: HMLC.SPR

Structure for database : **HMWP.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMWPID	Numeric	2		1	2
2	HMWP	Character	80		3	82
3	HMPLATFORM	Numeric	2		83	84
** Total **			85			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMWP.CDX

Used by: HMWP.SPR

Structure for database : **HMET.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMETID	Numeric	2		1	2
2	HMET	Character	30		3	32
** Total **			33			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMET.CDX

Used by: HMET.SPR

Structure for database : **HMCF.DBF** Alias: CFTMP

Field	Field name	Type	Width	Dec	Start	End
1	HMCFID	Numeric	2		1	2
2	HMCF	Character	30		3	32
** Total **			33			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMCF.CDX

Used by: HMCF.SPR
: REL() (function in C:\HAZMAT\GHM\WORK\HMCFE.SPR)
: GET_HMCFE (procedure in C:\HAZMAT\GHM\WORK\HMCFEI.SPR)
: GET_CFE (procedure in C:\HAZMAT\GHM\WORK\HMCFEI.SPR)
: GET_CFEID (procedure in C:\HAZMAT\GHM\WORK\HMCFEI.SPR)
: BROWSEITEM (procedure in C:\HAZMAT\GHM\WORK\HMCFEI.SPR)
: GET_CFar1() (function in C:\HAZMAT\GHM\WORK\HMTAB.SPR)
: GET_Cf1() (function in C:\HAZMAT\GHM\WORK\HMTAB.SPR)
: GET_EID() (function in C:\HAZMAT\GHM\WORK\HMTAB.SPR)

Structure for database : **HMCFE.DBF** Alias: CFETMP

Field	Field name	Type	Width	Dec	Start	End
1	HMCFEID	Numeric	2		1	2
2	HMCFID	Numeric	2		3	4
3	HMCFE	Character	30		5	34
** Total **			35			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMCFE.CDX

Used by: HMCFE.SPR
: REL() (function in C:\HAZMAT\GHM\WORK\HMCFE.SPR)
: BROWSEITEM (procedure in C:\HAZMAT\GHM\WORK\HMCFEI.SPR)
: GET_EI() (function in C:\HAZMAT\GHM\WORK\HMTAB.SPR)
: GET_EIID() (function in C:\HAZMAT\GHM\WORK\HMTAB.SPR)

Structure for database : **HMCFEI.DBF** Alias: CFEITMP

Field	Field name	Type	Width	Dec	Start	End
1	HMCFEIID	Numeric	4		1	4
2	HMCFEID	Numeric	2		5	6
3	HMCFID	Numeric	2		7	8
4	HMCFEI	Character	50		9	58
5	HMCFEINO	Character	15		59	73
6	HMCFEICOST	Numeric	10	2	74	83
7	HMCFEIUNIT	Character	10		84	93
** Total **			94			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMCFEI.CDX

Used by: HMCFEI.SPR
: REL() (function in C:\HAZMAT\GHM\WORK\HMCFE.SPR)
: BROWSEITEM (procedure in C:\HAZMAT\GHM\WORK\HMCFEI.SPR)

Structure for database : **HMUNIT.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMUNIT	Character	20		1	20
** Total **			21			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMUNIT.CDX

Used by: HMTAB.SPR

Structure for database : **HMTAB.DBF**

Alias: HMTAB

Field	Field name	Type	Width	Dec	Start	End
1	TABID	Numeric	4		1	4
2	HMCOMID	Numeric	4		5	8
3	HMATID	Numeric	4		9	12
4	HMLCID	Numeric	2		13	14
5	HMWPID	Numeric	2		15	16
6	HMETID	Numeric	2		17	18
7	HMETPROB	Float	5		19	23
8	HMCFID	Numeric	2		24	25
9	HMCFEID	Numeric	2		26	27
10	HMCFEIID	Numeric	4		28	29
11	PERP	Numeric	1		30	30
12	PERD	Numeric	1		31	31
13	PERQ	Numeric	1		32	32
14	HMCFECOST	Numeric	5	2	33	37
15	HMUNIT	Character	10		38	47
16	WTAVERAGE	Float	5		48	52
17	PROB	Float	5		53	57
** Total **			58			

FoxDoc did not find any associated index files

FoxDoc did not find any associated multiple indexes

Used by: HMTAB.SPR
: CHANGE

(procedure in C:\HAZMAT\GHM\WORK\HMTAB.SPR)

Structure for database : **HMSTEP.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMSCID	Numeric	4		1	4
2	HMSTEP	Numeric	4		5	8
3	HMATID	Numeric	4		9	12
4	HMLCID	Numeric	2		13	14
5	HMWPID	Numeric	2		15	16
6	PERNUM	Numeric	3		17	19
7	DURNUM	Numeric	3		20	22
8	QTYNUM	Numeric	3		23	25
9	WSTNUM	Numeric	3		26	28
10	UNIT	Character	20		29	48
** Total **			49			

Used by: GET_HMARRAY
: HMSTEP.PRG

(procedure in HMCOMP.SPR)

Structure for database : **HMCOMP.DBF** Status: Temporary

Used by: HMCOMP.SPR
: COMPUTSTEP() (function in HMCOMP.SPR)
: COMPUTFACT() (function in HMCOMP.SPR)
: COMPUTWFACT() (function in HMCOMP.SPR)
: COMPUTPHASE() (function in HMCOMP.SPR)
: BSTEP() (function in HMCOMP.SPR)
: BFACT() (function in HMCOMP.SPR)
: BWSTEP() (function in HMCOMP.SPR)
: BPHASE() (function in HMCOMP.SPR)

Structure for database : **HMSCEN.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMSCID	Numeric	4		1	4
2	HMSCNAME	Character	40		5	44
** Total **			45			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\HMSCEN.CDX

Used by: HMSCEN.PRG
: SCSAVE (procedure in C:\HAZMAT\GHM\WORK\HMSTEP.PRG)

Structure for database: **BOOT.DBF** Status: Temporary File

Used by: BSTEP() (function in HMCOMP.SPR)
: BFACT() (function in HMCOMP.SPR)
: BWSTEP() (function in HMCOMP.SPR)
: BPHASE() (function in HMCOMP.SPR)

Structure for database : **HMTEMP.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	HMSCID	Numeric	4		1	4
2	HMSTEP	Numeric	4		5	8
3	HMATID	Numeric	4		9	12
4	HMLCID	Numeric	2		13	14
5	HMWPID	Numeric	2		15	16
6	PERNUM	Numeric	3		17	19
7	DURNUM	Numeric	3		20	22
8	QTYNUM	Numeric	3		23	25
9	WSTNUM	Numeric	3		26	28
10	UNIT	Character	20		29	48
** Total **			49			

Used by: SCSAVE (procedure in HMSTEP.PRG)

Structure for database : **TEMP.DBF** Status: Temporary File

Used by: GET_TABLE (procedure in HMCOMP.SPR)

Structure for database : **TEST.DBF** Status: Temporary File

Used by: CALCULATE() (function in HMCOMP.SPR)

Structure for database : **TLV.DBF**

Field	Field name	Type	Width	Dec	Start	End
1	SUBSTANCE	Character	40		1	40
2	GENERIC	Character	35		41	75
3	CHEMICAL	Character	35		76	110
4	CAS_NO	Character	12		111	122
5	NAV_TWA	Character	6		123	128
6	NAV_STEL	Character	6		129	134
7	NAV_CEIL	Character	6		135	140
8	NAV_SOURCE	Character	5		141	145
9	TLV_TWA	Character	6		146	151
10	TLV_C	Character	6		152	157
11	SKIN	Logical	1		158	158
12	TLV_STEL	Character	6		159	164
13	APPENDIX	Character	2		165	166
14	PEL_TWA	Character	6		167	172
15	PEL_C	Character	6		173	178
16	PEL_STEL	Character	6		179	184
17	OSHA_SKIN	Logical	1		185	185
18	PTLV_TWA	Character	6		186	191
19	PTLV_STEL	Character	6		192	197
20	PTLV_C	Character	6		198	203
21	NOTIFY	Logical	1		204	204
22	BASIS	Character	35		205	239
23	REPRO	Character	10		240	249
24	S_BASIS	Character	10		250	259
**	Total	**	260			

FoxDoc did not find any associated index files

This database appears to be associated with multiple index file(s):
: C:\HAZMAT\GHM\WORK\TLV.CDX

Used by: HMZTAB.PRG

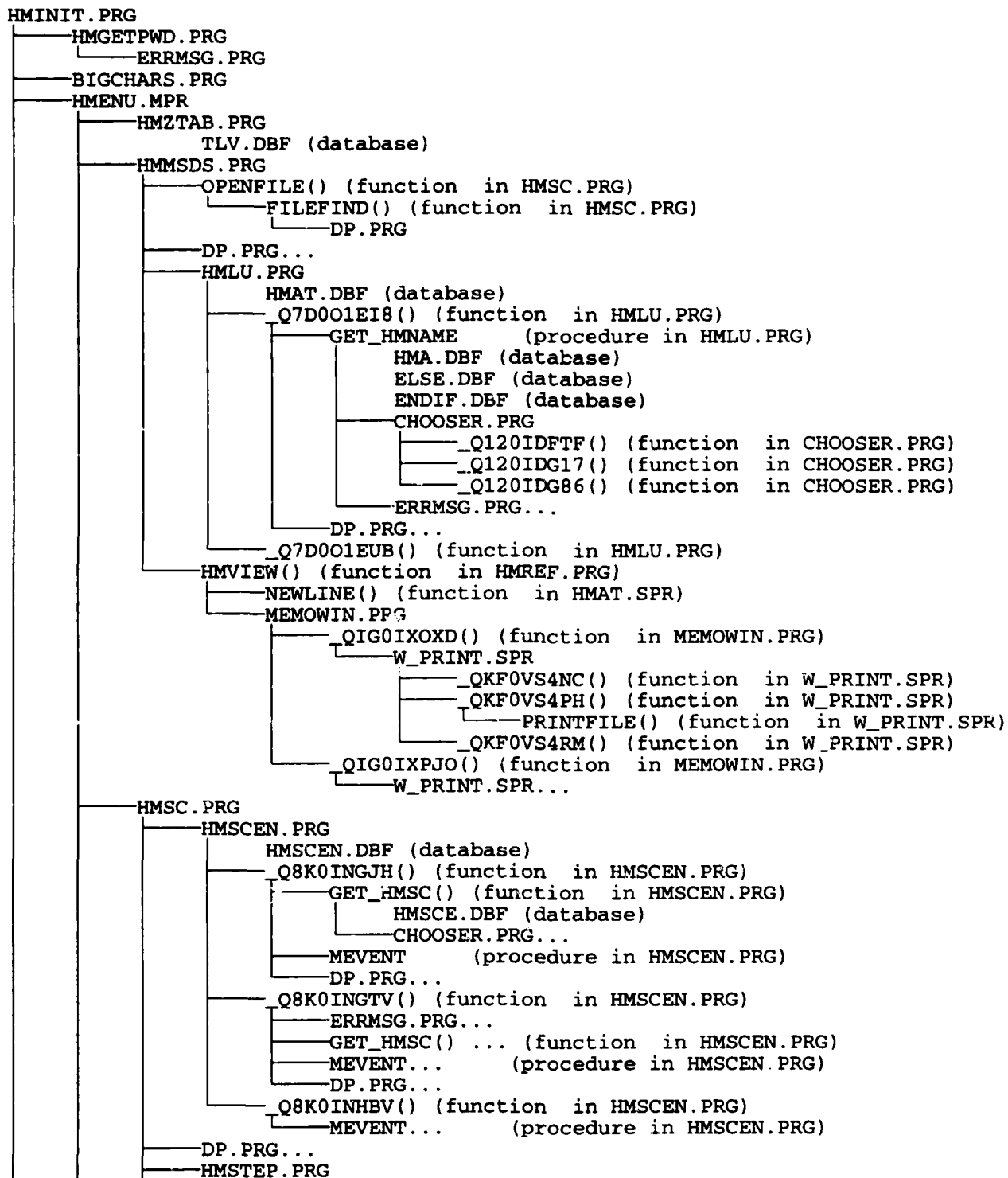
B. Database Field Summary

Field Name	Type	Len	Dec	Database
APPENDIX	C	2	0	TLV.DBF
BASIS	C	35	0	TLV.DBF
CAS_NO	C	12	0	TLV.DBF
CHEMICAL	C	35	0	TLV.DBF
CHEM_PHY	M	10	0	HMAT.DBF
COMMON	C	30	0	HMCOM.DBF
COM_USES	M	10	0	HMAT.DBF
EXP_LIMITS	M	10	0	HMAT.DBF

Field Name	Type	Len	Dec	Database
GENERIC	C	35	0	TLV.DBF
HEALTH_HAZ	M	10	0	HMAT.DBF
HMATID	N	4	0	HMAT.DBF HMTAB.DBF
HMATNAME	C	45	0	HMAT.DBF
HMCF	C	30	0	HMCF.DBF
HMCFE	C	30	0	HMCFE.DBF
HMCFECOST	N	5	2	HMTAB.DBF
HMCFEI	C	50	0	HMCFEI.DBF
HMCFEICOST	N	10	2	HMCFEI.DBF
HMCFEID	N	2	0	HMCFEI.DBF HMTAB.DBF HMCFE.DBF
HMCFEIID	N	4	0	HMCFEI.DBF
HMCFEID	N	4	0	HMTAB.DBF
HMCFEINO	C	15	0	HMCFEI.DBF
HMCFEIUNIT	C	10	0	HMCFEI.DBF
HMCFID	N	2	0	HMCFEI.DBF HMTAB.DBF HMCFE.DBF HMCF.DBF
HMCOMID	N	4	0	HMTAB.DBF HMCOM.DBF
HMCOST	N	10	2	HMAT.DBF
HMDESCRIPT	M	10	0	HMAT.DBF
HMET	C	30	0	HMET.DBF
HMETID	N	2	0	HMTAB.DBF HMET.DBF
HMETPROB	F	5	3	HMTAB.DBF
HMLC	C	30	0	HMLC.DBF
HMLCID	N	2	0	HMLC.DBF HMTAB.DBF
HMPLATFORM	N	2	0	HMWP.DBF
HMSCID	N	4	0	HMSCEN.DBF
HMSCNAME	C	40	0	HMSCEN.DBF
HMUNIT	C	10	0	HMAT.DBF HMTAB.DBF
HMUNIT	C	20	0	HMUNIT.DBF
HMWP	C	80	0	HMWP.DBF
HMWPID	N	2	0	HMTAB.DBF HMWP.DBF
MED_SURV	M	10	0	HMAT.DBF
MFG	C	25	0	HMAT.DBF
MILSPEC	C	11	0	HMAT.DBF

MSDS	M	10	0	HMAT.DBF
NAV_CEIL	C	6	0	TLV.DBF
NAV_SOURCE	C	5	0	TLV.DBF
NAV_STEL	C	6	0	TLV.DBF
NAV_TWA	C	6	0	TLV.DBF
NIIN	C	9	0	HMCOM.DBF
				HMAT.DBF
NOTIFY	L	1	0	TLV.DBF
OCC_EXP	M	10	0	HMAT.DBF
OSHA_SKIN	L	1	0	TLV.DBF
PEL_C	C	6	0	TLV.DBF
PEL_STEL	C	6	0	TLV.DBF
PEL_TWA	C	6	0	TLV.DBF
Field Name	Type	Len	Dec	Database
PERD	N	1	0	HMTAB.DBF
PERP	N	1	0	HMTAB.DBF
PERQ	N	1	0	HMTAB.DBF
PPE_TREAT	M	10	0	HMAT.DBF
PROB	F	5	2	HMTAB.DBF
PTLV_C	C	6	0	TLV.DBF
PTLV_STEL	C	6	0	TLV.DBF
PTLV_TWA	C	6	0	TLV.DBF
REPRO	C	10	0	TLV.DBF
SKIN	L	1	0	TLV.DBF
SPEC_TESTS	M	10	0	HMAT.DBF
SUBSTANCE	C	40	0	TLV.DBF
SYN_TRADE	M	10	0	HMAT.DBF
S_BASIS	C	10	0	TLV.DBF
TABID	N	4	0	HMTAB.DBF
TLV_C	C	6	0	TLV.DBF
TLV_STEL	C	6	0	TLV.DBF
TLV_TWA	C	6	0	TLV.DBF
TREATMENT	M	10	0	HMAT.DBF
WTAVERAGE	F	5	2	HMTAB.DBF

Section V. Tree Diagram. The tree diagram lists each program that is called by the order in which it is used. Under each program there is a list of all functions called and the where the procedure/function is stored.



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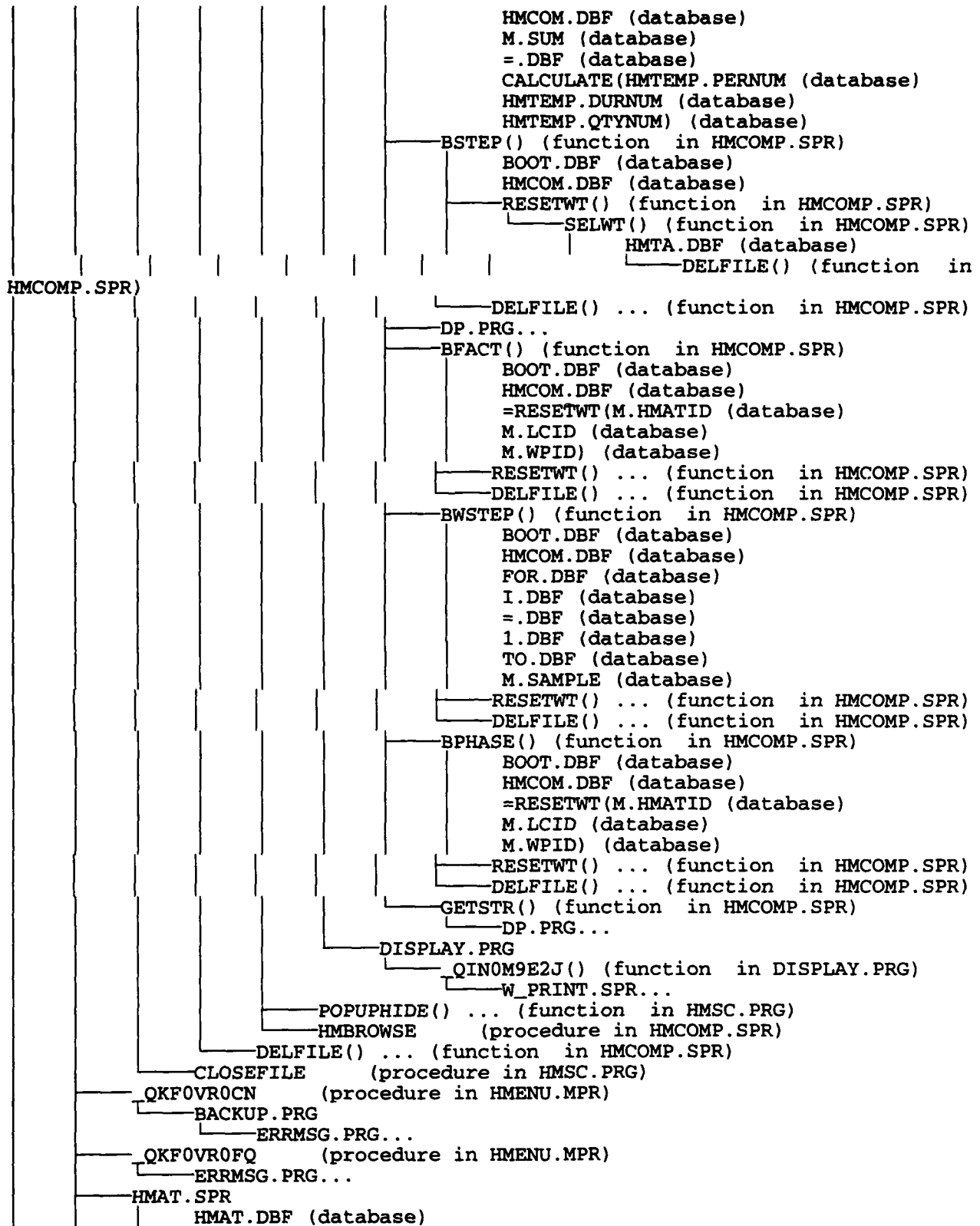
HMSTE.DBF (database)
ENDIF.DBF (database)
OPENFILE() ... (function in HMSC.PRG)
ERRMSG.PRG...
CANCEL (procedure in HMSCOMP.SPR)
  ERRMSG.PRG...
INITVAR (procedure in HMSTEP.PRG)
  GET_HMATN() (function in HMSTEP.PRG)
    HMC0.DBF (database)
  GET_HMLCN() (function in HMTAB.SPR)
    HML.DBF (database)
  GET_HMWPN() (function in HMTAB.SPR)
    HMW.DBF (database)
QIPOVASCN() (function in HMSTEP.PRG)
  YESNO.PRG
  ERRMSG.PRG...
  INITVAR... (procedure in HMSTEP.PRG)
  ADDOPTION (procedure in HMSTEP.PRG)
  SCSAVE (procedure in HMSTEP.PRG)
    HMTEMP.DBF (database)
    HMSCEN.DBF (database)
QIPOVASVS() (function in HMSTEP.PRG)
QIPOVASYA() (function in HMSTEP.PRG)
  GET_HMAT() (function in HMSTEP.PRG)
    HMC0.DBF (database)
    CHOOSER.PRG...
    ERRMSG.PRG...
  DP.PRG...
  GET_HMUNIT (procedure in HMSTEP.PRG)
    HMTA.DBF (database)
    IF.DBF (database)
    !EMPTY(X[1]).DBF (database)
    ERRMSG.PRG...
QIPOVAT7G() (function in HMSTEP.PRG)
QIPOVAT9X() (function in HMSTEP.PRG)
  GET_HMLC() (function in HMTAB.SPR)
    HML.DBF (database)
    CHOOSER.PRG...
    ERRMSG.PRG...
  DP.PRG...
  GET_HMUNIT... (procedure in HMSTEP.PRG)
QIPOVATIU() (function in HMSTEP.PRG)
QIPOVATLC() (function in HMSTEP.PRG)
  GET_HMWP() (function in HMTAB.SPR)
    HMW.DBF (database)
    CHOOSER.PRG...
    ERRMSG.PRG...
  DP.PRG...
  GET_HMUNIT... (procedure in HMSTEP.PRG)
QIPOVATWZ() (function in HMSTEP.PRG)
  DATACHECK() (function in HMSTEP.PRG)
    ERRMSG.PRG...
    GET_HMUNIT... (procedure in HMSTEP.PRG)
  CHANGE (procedure in HMAT.SPR)
    HMTAB.DBF (database)
  YESNO.PRG...
  INITVAR... (procedure in HMSTEP.PRG)
  ADDOPTION... (procedure in HMSTEP.PRG)
QIPOVAUD2() (function in HMSTEP.PRG)

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DEL_HMSC() (function in HMSC.PRG)
POPUPSHOW() (function in HMSC.PRG)
OPENFILE() ... (function in HMSC.PRG)
POPUPHIDE() (function in HMSC.PRG)
YESNO.PRG...
HMCOMP.SPR
  HMCOMP.DBF (database)
  OPEN (procedure in HMCOMP.SPR)
    OPENFILE() ... (function in HMSC.PRG)
    CANCEL... (procedure in HMCOMP.SPR)
  GET_HMARRAY (procedure in HMCOMP.SPR)
    HMSTE.DBF (database)
    GET_TABLE (procedure in HMCOMP.SPR)
    HMTA.DBF (database)
    TEMP.DBF (database)
  _QLE0L6B8T() (function in HMCOMP.SPR)
  _QLE0L6BIV() (function in HMCOMP.SPR)
  _QLE0L6BR7() (function in HMCOMP.SPR)
  _QLE0L6BYN() (function in HMCOMP.SPR)
  _QLE0L6C5N() (function in HMCOMP.SPR)
  _QLE0L6CB0() (function in HMCOMP.SPR)
  SETUPBOOT() (function in HMCOMP.SPR)
    BSELECT.PRG
      _Q8Q0N6SBM() (function in BSELECT.PRG)
    ERRMSG.PRG...
    BWFACT.PRG
      _Q8Q0NQA6() (function in BWFACT.PRG)
    DP.PRG...
  POPUPSHOW() ... (function in HMSC.PRG)
  COMPUTE (procedure in HMCOMP.SPR)
    SUBCOMPUT (procedure in HMCOMP.SPR)
      COMPUTSTEP() (function in HMCOMP.SPR)
        HMCOM.DBF (database)
        M.SUM (database)
        =.DBF (database)
        CALCULATE(SN.DBF (database)
        SD.DBF (database)
        SQ).DBF (database)
      COMPUTFACT() (function in HMCOMP.SPR)
        HMCOM.DBF (database)
        M.SUM (database)
        =.DBF (database)
        CALCULATE(HMTEMP.PERNUM (database)
        HMTEMP.DURNUM (database)
        HMTEMP.QTYNUM) (database)
      COMPUTWFACT() (function in HMCOMP.SPR)
        HMCOM.DBF (database)
        M.RESUL (database)
        =.DBF (database)
        IIF(EMPTY(M.RESUL) (database)
        U).DBF (database)
        ALLTRIM(STR(HMTEMP.HMSTEP)) (database)
        ALLTRIM(STR(CALCULATE(HMTEMP.PERNUM
        (database)
        HMTEMP.DURNUM (database)
        HMTEMP.QTYNUM) (database)
        8.DBF (database)
        2)).DBF (database)
      COMPUTPHASE() (function in HMCOMP.SPR)

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- COMNAME() (function in HMAT.SPR)
- HMCOM.DBF (database)
- QKF0VR394() (function in HMAT.SPR)
 - ERRMSG.PRG...
 - CHANGE... (procedure in HMAT.SPR)
- QKF0VR3EK() (function in HMAT.SPR)
 - CHANGE... (procedure in HMAT.SPR)
- QKF0VR3HM() (function in HMAT.SPR)
 - COMNAME() ... (function in HMAT.SPR)
 - CHANGE... (procedure in HMAT.SPR)
- QKF0VR3KQ() (function in HMAT.SPR)
- QKF0VR3ME() (function in HMAT.SPR)
- QKF0VR3ON() (function in HMAT.SPR)
 - CHANGE... (procedure in HMAT.SPR)
- QKF0VR3R9() (function in HMAT.SPR)
 - COMNAME() ... (function in HMAT.SPR)
- QKF0VR3XH() (function in HMAT.SPR)
 - ERRMSG.PRG...
 - CHANGE... (procedure in HMAT.SPR)
 - SAVECOM (procedure in HMAT.SPR)
 - HMCOM.DBF (database)
 - COMNAME() ... (function in HMAT.SPR)
- HMLC.SPR
 - HMLC.DBF (database)
 - QKF0VR6JX() (function in HMLC.SPR)
 - QKF0VR6TE() (function in HMLC.SPR)
 - ERRMSG.PRG...
 - QKF0VR6VW() (function in HMLC.SPR)
 - CHANGE... (procedure in HMAT.SPR)
- HMWP.SPR
 - HMWP.DBF (database)
 - QKF0VR92I() (function in HMWP.SPR)
 - QKF0VR99I() (function in HMWP.SPR)
 - ERRMSG.PRG...
 - QKF0VR9C5() (function in HMWP.SPR)
 - ERRMSG.PRG...
- HMET.SPR
 - HMET.DBF (database)
 - QKF0VRBIT() (function in HMET.SPR)
 - QKF0VRBPA() (function in HMET.SPR)
 - CHANGE... (procedure in HMAT.SPR)
 - QKF0VRBT3() (function in HMET.SPR)
 - ERRMSG.PRG...
- HMCF.SPR
 - HMCF.DBF (database)
 - QKF0VRDYQ() (function in HMCF.SPR)
 - QKF0VRE5A() (function in HMCF.SPR)
 - ERRMSG.PRG...
 - QKF0VRE7O() (function in HMCF.SPR)
 - ERRMSG.PRG...
- HMCFE.SPR
 - HMCFE.DBF (database)
 - GET_HMCF (procedure in HMCFE.SPR)
 - HMC.DBF (database)
 - M.HMCF=X[1] (database)
 - IF.DBF (database)
 - NOT.DBF (database)
 - EMPTY(X[1]).DBF (database)
 - QKF0VRGGZ() (function in HMCFE.SPR)

- GET_HMCF... (procedure in HMCFE.SPR)
- QKF0VRGRP() (function in HMCFE.SPR)
- QKF0VRGTP() (function in HMCFE.SPR)
- REL() (function in HMCFE.SPR)
 - HMCFEI.DBF (database)
 - HMCFE.DBF (database)
 - HMCF.DBF (database)
- GET_HMCF... (procedure in HMCFE.SPR)
- QKF0VRGX4() (function in HMCFE.SPR)
- QKF0VRGYG() (function in HMCFE.SPR)
- REL() ... (function in HMCFE.SPR)
- GET_HMCF... (procedure in HMCFE.SPR)
- QKF0VRH1G() (function in HMCFE.SPR)
- QKF0VRH34() (function in HMCFE.SPR)
 - GET_CF() (function in HMCFE.SPR)
 - HMC.DBF (database)
 - CHOOSER.PRG...
 - ERRMSG.PRG...
- GET_CFID (procedure in HMCFE.SPR)
 - HMC.DBF (database)
 - X=X[1].DBF (database)
 - IF.DBF (database)
 - NOT.DBF (database)
 - EMPTY(X[1]).DBF (database)
- QKF0VRH6D() (function in HMCFE.SPR)
- GET_HMCF... (procedure in HMCFE.SPR)
- HMCFEI.SPR
 - HMCFEI.DBF (database)
 - GET_HMCF... (procedure in HMCFE.SPR)
 - GET_HMCFE (procedure in HMCFEI.SPR)
 - HMCFE.DBF (database)
 - IF.DBF (database)
 - !EMPTY(X[1]).DBF (database)
 - QKF0VRK34() (function in HMCFEI.SPR)
 - BROWSEITEM (procedure in HMCFEI.SPR)
 - HMCFEI.DBF (database)
 - HMCFE.DBF (database)
 - HMCF.DBF (database)
 - GET_HMCF... (procedure in HMCFE.SPR)
 - GET_HMCFE... (procedure in HMCFEI.SPR)
 - QKF0VRKGO() (function in HMCFEI.SPR)
 - QKF0VRKIQ() (function in HMCFEI.SPR)
 - REL() ... (function in HMCFE.SPR)
 - GET_HMCF... (procedure in HMCFE.SPR)
 - GET_HMCFE... (procedure in HMCFEI.SPR)
 - QKF0VRKMH() (function in HMCFEI.SPR)
 - QKF0VRKNV() (function in HMCFEI.SPR)
 - REL() ... (function in HMCFE.SPR)
 - GET_HMCF... (procedure in HMCFE.SPR)
 - GET_HMCFE... (procedure in HMCFEI.SPR)
 - QKF0VRKS5() (function in HMCFEI.SPR)
 - QKF0VRKTM() (function in HMCFEI.SPR)
 - GET_CF() ... (function in HMCFE.SPR)
 - GET_CFID... (procedure in HMCFE.SPR)
 - QKF0VRKXZ() (function in HMCFEI.SPR)
 - QKF0VRKXZ() (function in HMCFEI.SPR)
 - GET_CFE (procedure in HMCFEI.SPR)
 - HMCF.DBF (database)
 - CHOOSER.PRG...

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      ERRMSG.PRG...
      GET_CFEID (procedure in HMCFEI.SPR)
      HDCF.DBF (database)
      IF.DBF (database)
      !EMPTY(X[1]).DBF (database)
      QKFOVRL1J() (function in HMCFEI.SPR)
      CHANGE... (procedure in HMAT.SPR)
      GET_HMCF... (procedure in HMCFE.SPR)
      GET_HMCFE... (procedure in HMCFEI.SPR)
HMTAB.SPR
  HMUNIT.DBF (database)
  HMTAB.DBF (database)
  HMLU.PRG...
  DP.PRG...
  ERRMSG.PRG...
  GET_HMCOMID() (function in HMTAB.SPR)
  HMA.DBF (database)
  IF.DBF (database)
  !=.DBF (database)
  HMCOM.DBF (database)
  GET_HMLCN() ... (function in HMTAB.SPR)
  GET_HMWPN() ... (function in HMTAB.SPR)
  GET_HMETN() (function in HMTAB.SPR)
  HME.DBF (database)
  GET_CFAR() (function in HMTAB.SPR)
  HMC.DBF (database)
  GET_CFAR1() (function in HMTAB.SPR)
  HDCF.DBF (database)
  GET_EI() (function in HMTAB.SPR)
  HMCFE.DBF (database)
  QKFOVRPCS() (function in HMTAB.SPR)
  GET_HMLCN() ... (function in HMTAB.SPR)
  GET_HMWPN() ... (function in HMTAB.SPR)
  GET_HMETN() ... (function in HMTAB.SPR)
  GET_CFAR() ... (function in HMTAB.SPR)
  GET_CFAR1() ... (function in HMTAB.SPR)
  GET_EI() ... (function in HMTAB.SPR)
  QKFOVRPYS() (function in HMTAB.SPR)
  QKFOVRQ1C() (function in HMTAB.SPR)
  HML.DBF (database)
  M.HMLCID=X[1] (database)
  GET_HMLC() ... (function in HMTAB.SPR)
  QKFOVRQ4T() (function in HMTAB.SPR)
  QKFOVRQ72() (function in HMTAB.SPR)
  HMW.DBF (database)
  M.HMWPID=X[1] (database)
  GET_HMWP() ... (function in HMTAB.SPR)
  QKFOVRQAL() (function in HMTAB.SPR)
  QKFOVRQC2() (function in HMTAB.SPR)
  HME.DBF (database)
  M.HMETID=X[1] (database)
  GET_HMET() (function in HMTAB.SPR)
  HME.DBF (database)
  CHOOSER.PRG...
  ERRMSG.PRG...
  QKFOVRQFR() (function in HMTAB.SPR)
  QKFOVRQH7() (function in HMTAB.SPR)
  HMC.DBF (database)
  GET_CF() ... (function in HMCFE.SPR)

```



```

_QKFOVRQKZ() (function in HMTAB.SPR)
  REL() ... (function in HMCFE.SPR)
  GET_HMCFID() (function in HMTAB.SPR)
    HMC.DBF (database)
    M.HMCFID=X[1] (database)
  GET_EID() (function in HMTAB.SPR)
    HMCF.DBF (database)
  GET_EIID() (function in HMTAB.SPR)
    HMCFE.DBF (database)
_QKFOVRQRG() (function in HMTAB.SPR)
  CHANGE... (procedure in HMTAB.SPR)
  GET_HMLCN() ... (function in HMTAB.SPR)
  GET_HMWPB() ... (function in HMTAB.SPR)
  GET_HMETN() ... (function in HMTAB.SPR)
  GET_CFAR() ... (function in HMTAB.SPR)
  GET_CFAR1() ... (function in HMTAB.SPR)
  GET_EI() ... (function in HMTAB.SPR)
_QUIT() (function in HMINIT.PRG)
_MYHANDLER() (function in HMINIT.PRG)

```

Section VI. Procedure and Function Summary. There are 26 files containing procedures in the HMLCCM system: HMINIT.PRG, HMAT.SPR, HMLC.SPR, HMWP.SPR, HMET.SPR, HMC.F.SPR, HMC.FE.I.SPR, HMTAB.SPR, BACKUP.PRG, HMCOMP.SPR, CHOOSER.PRG, HMLU.PRG, W_PRINT.SPR, HMSC.PRG, HMSCEN.PRG, HMSTEP.PRG, MEMOEDIT.PRG, DISPLAY.PRG, BWFACT.PRG, BSELECT.PRG, HMREF.PRG, HMMSDS.PRG, MEMOWIN.PRG, HMENU.MPR, and &OLDPROC.

1. HMINIT.PRG

Contains: MYHANDLER() (Params: none)
 Called by: HMINIT.PRG
 Called by: HMINIT.PRG
 Contains: _QUIT() (Params: none)
 Called by: HMENU.MPR

2. HMAT.SPR

Contains: CHANGE (Params: none)
 Called by: _QKF0VR394() (function in HMAT.SPR)
 Called by: _QKF0VR3EK() (function in HMAT.SPR)
 Called by: _QKF0VR3HM() (function in HMAT.SPR)
 Called by: _QKF0VR3ON() (function in HMAT.SPR)
 Called by: _QKF0VR3XH() (function in HMAT.SPR)
 Called by: _QKF0VR6VW() (function in HMLC.SPR)
 Called by: _QKF0VRBPA() (function in HMET.SPR)
 Called by: _QKF0VRL1J() (function in HMC.FE.I.SPR)
 Called by: _QKF0VRQRG() (function in HMTAB.SPR)
 Called by: _QIPOVATWZ() (function in HMSTEP.PRG)
 Contains: NEWLINE() (Params: TEXT)
 Called by: HMVIEW() (function in HMREF.PRG)
 Contains: COMNAME() (Params: MKEY)
 Called by: HMAT.SPR
 Called by: _QKF0VR3HM() (function in HMAT.SPR)
 Called by: _QKF0VR3R9() (function in HMAT.SPR)
 Called by: _QKF0VR3XH() (function in HMAT.SPR)
 Contains: SAVECOM (Params: MKEY, MNAME)
 Called by: _QKF0VR3XH() (function in HMAT.SPR)
 Contains: _QKF0VR394() (Params: none)
 Called by: HMAT.SPR
 Calls: ERRMSG.PRG
 Calls: CHANGE (procedure in HMAT.SPR)
 Contains: _QKF0VR3EK() (Params: none)
 Called by: HMAT.SPR
 Calls: CHANGE (procedure in HMAT.SPR)
 Contains: _QKF0VR3HM() (Params: none)
 Called by: HMAT.SPR
 Calls: COMNAME() (function in HMAT.SPR)
 Calls: CHANGE (procedure in HMAT.SPR)
 Contains: _QKF0VR3KQ() (Params: none)
 Called by: HMAT.SPR
 Contains: _QKF0VR3ME() (Params: none)
 Called by: HMAT.SPR
 Contains: _QKF0VR3ON() (Params: none)
 Called by: HMAT.SPR
 Calls: CHANGE (procedure in HMAT.SPR)
 Contains: _QKF0VR3R9() (Params: none)
 Called by: HMAT.SPR
 Calls: COMNAME() (function in HMAT.SPR)

Contains: _QKF0VR3XH() (Params: none)
Called by: HMAT.SPR
Calls: ERRMSG.PRG
Calls: CHANGE (procedure in HMAT.SPR)
Calls: SAVECOM (procedure in HMAT.SPR)
Calls: COMNAME() (function in HMAT.SPR)

3. HMLC.SPR

Contains: CHANGE (Params: none)
Called by: _QKF0VR394() (function in HMAT.SPR)
Called by: _QKF0VR3EK() (function in HMAT.SPR)
Called by: _QKF0VR3HM() (function in HMAT.SPR)
Called by: _QKF0VR3ON() (function in HMAT.SPR)
Called by: _QKF0VR3XH() (function in HMAT.SPR)
Called by: _QKF0VR6VW() (function in HMLC.SPR)
Called by: _QKF0VRBPA() (function in HMET.SPR)
Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
Called by: _QKF0VRQRG() (function in HMTAB.SPR)
Called by: _QIPOVATWZ() (function in HMSTEP.PRG)
Contains: _QKF0VR6JX() (Params: none)
Called by: HMLC.SPR
Contains: _QKF0VR6TE() (Params: none)
Called by: HMLC.SPR
Calls: ERRMSG.PRG
Contains: _QKF0VR6VW() (Params: none)
Called by: HMLC.SPR
Calls: CHANGE (procedure in HMAT.SPR)

4. HMWP.SPR

Contains: CHANGE (Params: none)
Called by: _QKF0VR394() (function in HMAT.SPR)
Called by: _QKF0VR3EK() (function in HMAT.SPR)
Called by: _QKF0VR3HM() (function in HMAT.SPR)
Called by: _QKF0VR3ON() (function in HMAT.SPR)
Called by: _QKF0VR3XH() (function in HMAT.SPR)
Called by: _QKF0VR6VW() (function in HMLC.SPR)
Called by: _QKF0VRBPA() (function in HMET.SPR)
Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
Called by: _QKF0VRQRG() (function in HMTAB.SPR)
Called by: _QIPOVATWZ() (function in HMSTEP.PRG)
Contains: _QKF0VR92I() (Params: none)
Called by: HMWP.SPR
Contains: _QKF0VR99I() (Params: none)
Called by: HMWP.SPR
Calls: ERRMSG.PRG
Contains: _QKF0VR9C5() (Params: none)
Called by: HMWP.SPR
Calls: ERRMSG.PRG

5. HMET.SPR

Contains: CHANGE (Params: none)
Called by: _QKF0VR394() (function in HMAT.SPR)
Called by: _QKF0VR3EK() (function in HMAT.SPR)
Called by: _QKF0VR3HM() (function in HMAT.SPR)
Called by: _QKF0VR3ON() (function in HMAT.SPR)
Called by: _QKF0VR3XH() (function in HMAT.SPR)

Called by: _QKF0VR6VW() (function in HMLC.SPR)
 Called by: _QKF0VRBPA() (function in HMET.SPR)
 Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
 Called by: _QKF0VRQRG() (function in HMTAB.SPR)
 Called by: _QIPOVATWZ() (function in HMSTEP.PRG)
 Contains: _QKF0VRBIT() (Params: none)
 Called by: HMET.SPR
 Contains: _QKF0VRBPA() (Params: none)
 Called by: HMET.SPR
 Calls: CHANGE (procedure in HMAT.SPR)
 Contains: _QKF0VRBT3() (Params: none)
 Called by: HMET.SPR
 Calls: ERRMSG.PRG

6. **HMCF.SPR**

Contains: CHANGE (Params: none)
 Called by: _QKF0VR394() (function in HMAT.SPR)
 Called by: _QKF0VR3EK() (function in HMAT.SPR)
 Called by: _QKF0VR3HM() (function in HMAT.SPR)
 Called by: _QKF0VR3ON() (function in HMAT.SPR)
 Called by: _QKF0VR3XH() (function in HMAT.SPR)
 Called by: _QKF0VR6VW() (function in HMLC.SPR)
 Called by: _QKF0VRBPA() (function in HMET.SPR)
 Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
 Called by: _QKF0VRQRG() (function in HMTAB.SPR)
 Called by: _QIPOVATWZ() (function in HMSTEP.PRG)
 Contains: _QKF0VRDYQ() (Params: none)
 Called by: HMCF.SPR
 Contains: _QKF0VRE5A() (Params: none)
 Called by: HMCF.SPR
 Calls: ERRMSG.PRG
 Contains: _QKF0VRE7O() (Params: none)
 Called by: HMCF.SPR
 Calls: ERRMSG.PRG

7. **HMCFE.SPR**

Contains: ESCPRESSED (Params: none)
 Contains: CHANGE (Params: none)
 Called by: _QKF0VR394() (function in HMAT.SPR)
 Called by: _QKF0VR3EK() (function in HMAT.SPR)
 Called by: _QKF0VR3HM() (function in HMAT.SPR)
 Called by: _QKF0VR3ON() (function in HMAT.SPR)
 Called by: _QKF0VR3XH() (function in HMAT.SPR)
 Called by: _QKF0VR6VW() (function in HMLC.SPR)
 Called by: _QKF0VRBPA() (function in HMET.SPR)
 Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
 Called by: _QKF0VRQRG() (function in HMTAB.SPR)
 Called by: _QIPOVATWZ() (function in HMSTEP.PRG)
 Contains: GET_HMCF (Params: M.HMCFID)
 Called by: HMCFE.SPR
 Called by: HMCFEI.SPR
 Called by: _QKF0VRGGZ() (function in HMCFE.SPR)
 Called by: _QKF0VRGTP() (function in HMCFE.SPR)
 Called by: _QKF0VRGYG() (function in HMCFE.SPR)
 Called by: _QKF0VRH6D() (function in HMCFE.SPR)

Called by: _QKF0VRK34() (function in HMCFEI.SPR)
 Called by: _QKF0VRKIQ() (function in HMCFEI.SPR)
 Called by: _QKF0VRKRV() (function in HMCFEI.SPR)
 Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
 Contains: GET_CF() (Params: M.HMCF)
 Called by: _QKF0VRH34() (function in HMCFE.SPR)
 Called by: _QKF0VRKTM() (function in HMCFEI.SPR)
 Called by: _QKF0VRQH7() (function in HMTAB.SPR)
 Calls: CHOOSER.PRG
 Calls: ERRMSG.PRG
 Contains: GET_CFID (Params: M.ANSWR)
 Called by: _QKF0VRH34() (function in HMCFE.SPR)
 Called by: _QKF0VRKTM() (function in HMCFEI.SPR)
 Contains: REL() (Params: M.ID)
 Called by: _QKF0VRGTP() (function in HMCFE.SPR)
 Called by: _QKF0VRGYG() (function in HMCFE.SPR)
 Called by: _QKF0VRKIQ() (function in HMCFEI.SPR)
 Called by: _QKF0VRKRV() (function in HMCFEI.SPR)
 Called by: _QKF0VRQKZ() (function in HMTAB.SPR)
 Contains: _QKF0VRGGZ() (Params: none)
 Called by: HMCFE.SPR (procedure in HMCFE.SPR)
 Calls: GET_HMCF (Params: none)
 Contains: _QKF0VRGRP() (Params: none)
 Called by: HMCFE.SPR
 Contains: _QKF0VRGTP() (Params: none)
 Called by: HMCFE.SPR (function in HMCFE.SPR)
 Calls: REL() (procedure in HMCFE.SPR)
 Calls: GET_HMCF (Params: none)
 Contains: _QKF0VRGX4() (Params: none)
 Called by: HMCFE.SPR
 Contains: _QKF0VRGYG() (Params: none)
 Called by: HMCFE.SPR (function in HMCFE.SPR)
 Calls: REL() (procedure in HMCFE.SPR)
 Calls: GET_HMCF (Params: none)
 Contains: _QKF0VRH1G() (Params: none)
 Called by: HMCFE.SPR
 Contains: _QKF0VRH34() (Params: none)
 Called by: HMCFE.SPR (function in HMCFE.SPR)
 Calls: GET_CF() (procedure in HMCFE.SPR)
 Calls: GET_CFID (Params: none)
 Contains: _QKF0VRH6D() (Params: none)
 Called by: HMCFE.SPR (procedure in HMCFE.SPR)
 Calls: GET_HMCF

8. HMCFEI.SPR

Contains: ESCPRESSED (Params: none)
 Contains: CHANGE (Params: none)
 Called by: _QKF0VR394() (function in HMAT.SPR)
 Called by: _QKF0VR3EK() (function in HMAT.SPR)
 Called by: _QKF0VR3HM() (function in HMAT.SPR)
 Called by: _QKF0VR3ON() (function in HMAT.SPR)
 Called by: _QKF0VR3XH() (function in HMAT.SPR)
 Called by: _QKF0VR6VW() (function in HMLC.SPR)
 Called by: _QKF0VRBPA() (function in HMET.SPR)
 Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
 Called by: _QKF0VRQRG() (function in HMTAB.SPR)
 Called by: _QIP0VATWZ() (function in HMSTEP.PRG)
 Contains: GET_HMCF (Params: M.HMCFID)

Called by: HMCFE.SPR
 Called by: HMCFEI.SPR
 Called by: _QKF0VRGGZ() (function in HMCFE.SPR)
 Called by: _QKF0VRGTP() (function in HMCFE.SPR)
 Called by: _QKF0VRGYG() (function in HMCFE.SPR)
 Called by: _QKF0VRH6D() (function in HMCFE.SPR)
 Called by: _QKF0VRK34() (function in HMCFEI.SPR)
 Called by: _QKF0VRKIQ() (function in HMCFEI.SPR)
 Called by: _QKF0VRKNV() (function in HMCFEI.SPR)
 Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
 Contains: GET_CF() (Params: M.HMCF)
 Called by: _QKF0VRH34() (function in HMCFE.SPR)
 Called by: _QKF0VRKTM() (function in HMCFEI.SPR)
 Called by: _QKF0VRQH7() (function in HMTAB.SPR)
 Calls: CHOOSER.PRG
 Calls: ERRMSG.PRG
 Contains: GET_CFID (Params: M.ANSWR)
 Called by: _QKF0VRH34() (function in HMCFE.SPR)
 Called by: _QKF0VRKTM() (function in HMCFEI.SPR)
 Contains: GET_HMCFE (Params: M.HMCFEID)
 Called by: HMCFEI.SPR
 Called by: _QKF0VRK34() (function in HMCFEI.SPR)
 Called by: _QKF0VRKIQ() (function in HMCFEI.SPR)
 Called by: _QKF0VRKNV() (function in HMCFEI.SPR)
 Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
 Contains: GET_CFE (Params: M.HMCFE)
 Called by: _QKF0VRKXZ() (function in HMCFEI.SPR)
 Calls: CHOOSER.PRG
 Calls: ERRMSG.PRG
 Contains: GET_CFEID (Params: M.HMCFE)
 Called by: _QKF0VRKXZ() (function in HMCFEI.SPR)
 Contains: REL() (Params: M.ID)
 Called by: _QKF0VRGTP() (function in HMCFE.SPR)
 Called by: _QKF0VRGYG() (function in HMCFE.SPR)
 Called by: _QKF0VRKIQ() (function in HMCFEI.SPR)
 Called by: _QKF0VRKNV() (function in HMCFEI.SPR)
 Called by: _QKF0VRQKZ() (function in HMTAB.SPR)
 Contains: BROWSEITEM (Params: M.ID)
 Called by: _QKF0VRK34() (function in HMCFEI.SPR)
 Contains: _QKF0VRK34() (Params: none)
 Called by: HMCFEI.SPR (procedure in HMCFEI.SPR)
 Calls: BROWSEITEM (procedure in HMCFE.SPR)
 Calls: GET_HMCF (procedure in HMCFEI.SPR)
 Calls: GET_HMCFE (procedure in HMCFEI.SPR)
 Contains: _QKF0VRKGO() (Params: none)
 Called by: HMCFEI.SPR
 Contains: _QKF0VRKIQ() (Params: none)
 Called by: HMCFEI.SPR (function in HMCFE.SPR)
 Calls: REL() (procedure in HMCFE.SPR)
 Calls: GET_HMCF (procedure in HMCFEI.SPR)
 Calls: GET_HMCFE (procedure in HMCFEI.SPR)
 Contains: _QKF0VRKMH() (Params: none)
 Called by: HMCFEI.SPR
 Contains: _QKF0VRKNV() (Params: none)
 Called by: HMCFEI.SPR (function in HMCFE.SPR)
 Calls: REL() (procedure in HMCFE.SPR)
 Calls: GET_HMCF (procedure in HMCFEI.SPR)
 Calls: GET_HMCFE (procedure in HMCFEI.SPR)
 Contains: _QKF0VRKS5() (Params: none)

Called by: HMCFEI.SPR
 Contains: _QKF0VRKTM() (Params: none)
 Called by: HMCFEI.SPR
 Calls: GET_CF() (function in HMCFEI.SPR)
 Calls: GET_CFIG (procedure in HMCFEI.SPR)
 Contains: _QKF0VRKWJ() (Params: none)
 Called by: HMCFEI.SPR
 Contains: _QKF0VRKXZ() (Params: none)
 Called by: HMCFEI.SPR
 Calls: GET_CFE (procedure in HMCFEI.SPR)
 Calls: GET_CFEID (procedure in HMCFEI.SPR)
 Contains: _QKF0VRL1J() (Params: none)
 Called by: HMCFEI.SPR
 Calls: CHANGE (procedure in HMCFEI.SPR)
 Calls: GET_HMCF (procedure in HMCFEI.SPR)
 Calls: GET_HMCFE (procedure in HMCFEI.SPR)

9. **HMTAB.SPR**

Contains: ESCPRESSED (Params: none)
 Contains: CHANGE (Params: none)
 Called by: _QKF0VR394() (function in HMTAB.SPR)
 Called by: _QKF0VR3EK() (function in HMTAB.SPR)
 Called by: _QKF0VR3HM() (function in HMTAB.SPR)
 Called by: _QKF0VR3ON() (function in HMTAB.SPR)
 Called by: _QKF0VR3XH() (function in HMTAB.SPR)
 Called by: _QKF0VR6VW() (function in HMTAB.SPR)
 Called by: _QKF0VRBPA() (function in HMTAB.SPR)
 Called by: _QKF0VRL1J() (function in HMCFEI.SPR)
 Called by: _QKF0VRQ72() (function in HMTAB.SPR)
 Called by: _QIPOVAT9X() (function in HMTAB.SPR)
 Calls: CHOOSER.PRG
 Calls: ERRMSG.PRG
 Contains: GET_HMCOMID() (Params: M.HMATID)
 Called by: HMTAB.SPR
 Contains: GET_HMLC() (Params: M.HMLC)
 Called by: _QKF0VRQ1C() (function in HMTAB.SPR)
 Called by: _QIPOVAT9X() (function in HMTAB.SPR)
 Calls: CHOOSER.PRG
 Calls: ERRMSG.PRG
 Contains: GET_HMLCN() (Params: M.ID)
 Called by: HMTAB.SPR
 Called by: _QKF0VRPCS() (function in HMTAB.SPR)
 Called by: _QKF0VRQ72() (function in HMTAB.SPR)
 Called by: INITVAR (procedure in HMTAB.SPR)
 Contains: GET_HMWP() (Params: M.MATCH)
 Called by: _QKF0VRQ72() (function in HMTAB.SPR)
 Called by: _QIPOVATLC() (function in HMTAB.SPR)
 Calls: CHOOSER.PRG
 Calls: ERRMSG.PRG
 Contains: GET_HMWPN() (Params: M.ID)
 Called by: HMTAB.SPR
 Called by: _QKF0VRPCS() (function in HMTAB.SPR)
 Called by: _QKF0VRQ72() (function in HMTAB.SPR)
 Called by: INITVAR (procedure in HMTAB.SPR)
 Contains: GET_HMET() (Params: M.HMET)
 Called by: _QKF0VRQC2() (function in HMTAB.SPR)
 Calls: CHOOSER.PRG
 Calls: ERRMSG.PRG
 Contains: GET_HMETID() (Params: M.HMET)
 Contains: GET_HMETN() (Params: M.HMETID)

Called by: HMTAB.SPR	
Called by: _QKF0VRPCS()	(function in HMTAB.SPR)
Called by: _QKF0VRQRG()	(function in HMTAB.SPR)
Contains: GET_C FAR()	(Params: M.HMCFID)
Called by: HMTAB.SPR	
Called by: _QKF0VRPCS()	(function in HMTAB.SPR)
Called by: _QKF0VRQRG()	(function in HMTAB.SPR)
Contains: GET_C FAR1()	(Params: M.HMCFEID)
Called by: HMTAB.SPR	
Called by: _QKF0VRPCS()	(function in HMTAB.SPR)
Called by: _QKF0VRQRG()	(function in HMTAB.SPR)
Contains: GET_C F()	(Params: M.HMCF)
Called by: _QKF0VRH34()	(function in HMC FE.SPR)
Called by: _QKF0VRKTM()	(function in HMC FEI.SPR)
Called by: _QKF0VRQH7()	(function in HMTAB.SPR)
Calls: CHOOSER.PRG	
Calls: ERRMSG.PRG	
Contains: GET_HMCFID()	(Params: M.HMCF)
Called by: _QKF0VRQKZ()	(function in HMTAB.SPR)
Contains: GET_C F1()	(Params: M.HMCFE)
Calls: CHOOSER.PRG	
Calls: ERRMSG.PRG	
Contains: GET_EID()	(Params: M.HMCFE)
Called by: _QKF0VRQKZ()	(function in HMTAB.SPR)
Contains: GET_EI()	(Params: M.HMCFEIID)
Called by: HMTAB.SPR	
Called by: _QKF0VRPCS()	(function in HMTAB.SPR)
Called by: _QKF0VRQRG()	(function in HMTAB.SPR)
Contains: GET_EIID()	(Params: M.HMCFEII)
Called by: _QKF0VRQKZ()	(function in HMTAB.SPR)
Contains: REL()	(Params: M.ID)
Called by: _QKF0VRGTP()	(function in HMC FE.SPR)
Called by: _QKF0VRGYG()	(function in HMC FE.SPR)
Called by: _QKF0VRKIQ()	(function in HMC FEI.SPR)
Called by: _QKF0VRKNV()	(function in HMC FEI.SPR)
Called by: _QKF0VRQKZ()	(function in HMTAB.SPR)
Contains: _QKF0VRPCS()	(Params: none)
Called by: HMTAB.SPR	
Calls: GET_HMLCN()	(function in HMTAB.SPR)
Calls: GET_HMWP()	(function in HMTAB.SPR)
Calls: GET_HMETN()	(function in HMTAB.SPR)
Calls: GET_C FAR()	(function in HMTAB.SPR)
Calls: GET_C FAR1()	(function in HMTAB.SPR)
Calls: GET_EI()	(function in HMTAB.SPR)
Contains: _QKF0VRPYS()	(Params: none)
Called by: HMTAB.SPR	
Contains: _QKF0VRQ1C()	(Params: none)
Called by: HMTAB.SPR	
Calls: GET_HMLC()	(function in HMTAB.SPR)
Contains: _QKF0VRQ4T()	(Params: none)
Called by: HMTAB.SPR	
Contains: _QKF0VRQ72()	(Params: none)
Called by: HMTAB.SPR	
Calls: GET_HMWP()	(function in HMTAB.SPR)
Contains: _QKF0VRQAL()	(Params: none)
Called by: HMTAB.SPR	
Contains: _QKF0VRQC2()	(Params: none)
Called by: HMTAB.SPR	
Calls: GET_HMET()	(function in HMTAB.SPR)

Contains: _QKFOVRQFR() (Params: none)
 Called by: HMTAB.SPR
 Contains: _QKFOVRQH7() (Params: none)
 Called by: HMTAB.SPR
 Calls: GET_CF() (function in HMCFE.SPR)
 Contains: _QKFOVRQKZ() (Params: none)
 Called by: HMTAB.SPR
 Calls: REL() (function in HMCFE.SPR)
 Calls: GET_HMCFID() (function in HMTAB.SPR)
 Calls: GET_EID() (function in HMTAB.SPR)
 Calls: GET_EIID() (function in HMTAB.SPR)
 Contains: _QKFOVRQRG() (Params: none)
 Called by: HMTAB.SPR
 Calls: CHANGE (procedure in HMTAB.SPR)
 Calls: GET_HMLCN() (function in HMTAB.SPR)
 Calls: GET_HMWPN() (function in HMTAB.SPR)
 Calls: GET_HMETN() (function in HMTAB.SPR)
 Calls: GET_C FAR() (function in HMTAB.SPR)
 Calls: GET_C FAR1() (function in HMTAB.SPR)
 Calls: GET_EI() (function in HMTAB.SPR)

10 **BACKUP.PRG**

Contains: ERRHAND (Params: none)
 Calls: ERRMSG.PRG
 Contains: STOP (Params: none)
 Calls: ERRMSG.PRG

11. **HMCOMP.SPR**

Contains: OPEN (Params: none)
 Called by: HMCOMP.SPR
 Calls: OPENFILE() (function in HMSC.PRG)
 Calls: CANCEL (procedure in HMCOMP.SPR)
 Contains: DELFILE() (Params: FILE)
 Called by: HMCOMP.SPR
 Called by: CALCULATE() (function in HMCOMP.SPR)
 Called by: SELWT() (function in HMCOMP.SPR)
 Called by: BSTEP() (function in HMCOMP.SPR)
 Called by: BFACT() (function in HMCOMP.SPR)
 Called by: BWSTEP() (function in HMCOMP.SPR)
 Called by: BPHASE() (function in HMCOMP.SPR)
 Contains: CANCEL (Params: SUCCESS)
 Called by: HMSTEP.PRG
 Called by: OPEN (procedure in HMCOMP.SPR)
 Calls: ERRMSG.PRG
 Contains: GET_HMARRAY (Params: none)
 Called by: HMCOMP.SPR
 Calls: GET_TABLE (procedure in HMCOMP.SPR)
 Contains: GET_TABLE (Params: COMID, LCID, WPID)
 Called by: GET_HMARRAY (procedure in HMCOMP.SPR)
 Contains: COMPUTE (Params: none)
 Called by: _QLE0L6CB0() (function in HMCOMP.SPR)
 Calls: SUBCOMPUT (procedure in HMCOMP.SPR)
 Calls: DISPLAY.PRG
 Contains: SUBCOMPUT (Params: M.IHMATNAME, M.IHMATID)
 Called by: COMPUTE (procedure in HMCOMP.SPR)
 Calls: COMPUTSTEP() (function in HMCOMP.SPR)

```

Calls: COMPUTFACT() (function in HMCOMP.SPR)
Calls: COMPUTWFACT() (function in HMCOMP.SPR)
Calls: COMPUTPHASE() (function in HMCOMP.SPR)
Calls: BSTEP() (function in HMCOMP.SPR)
Calls: DP.PRG
Calls: BFACT() (function in HMCOMP.SPR)
Calls: BWSTEP() (function in HMCOMP.SPR)
Calls: BPHASE() (function in HMCOMP.SPR)
Calls: GETSTR() (function in HMCOMP.SPR)
Contains: HMBROWSE (Params: none)
Called by: _QLE0L6CB0() (function in HMCOMP.SPR)
Contains: COMPUTSTEP() (Params: COM, HMAT, LCPHASE, WP, SN,
SD, SQ)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Contains: FACTNAME() (Params: MFACTID)
Contains: COMPUTFACT() (Params: M.FACTID, M.HMATID)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Contains: COMPUTWFACT() (Params: M.FACTID, M.HMATID)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Contains: COMPUTPHASE() (Params: M.PHASEID, M.HMATID)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Contains: CALCULATE() (Params: SN, SD, SQ)
Calls: DELFILE() (function in HMCOMP.SPR)
Contains: RESETWT() (Params: MATID, LCPHASE, WP)
Called by: BSTEP() (function in HMCOMP.SPR)
Called by: BFACT() (function in HMCOMP.SPR)
Called by: BWSTEP() (function in HMCOMP.SPR)
Called by: BPHASE() (function in HMCOMP.SPR)
Calls: SELWT() (function in HMCOMP.SPR)
Contains: SELWT() (Params: MATID, LCPHASE, WP, METID,
CFID, CFEID)
Called by: RESETWT() (function in HMCOMP.SPR)
Calls: DELFILE() (function in HMCOMP.SPR)
Contains: SETUPBOOT() (Params: none)
Called by: _QLE0L6CB0() (function in HMCOMP.SPR)
Calls: BSELECT.PRG
Calls: ERRMSG.PRG
Calls: BWFACT.PRG
Calls: DP.PRG
Contains: BSTEP() (Params: MAT, LCPHASE, WP, SN, SD, SQ)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Calls: RESETWT() (function in HMCOMP.SPR)
Calls: DELFILE() (function in HMCOMP.SPR)
Contains: BFACT() (Params: M.FACTID, M.HMATID)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Calls: RESETWT() (function in HMCOMP.SPR)
Calls: DELFILE() (function in HMCOMP.SPR)
Contains: BWSTEP() (Params: M.FACTID, M.STEPID, M.HMATID)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Calls: RESETWT() (function in HMCOMP.SPR)
Calls: DELFILE() (function in HMCOMP.SPR)
Contains: BPHASE() (Params: M.PHASEID, M.HMATID)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Calls: RESETWT() (function in HMCOMP.SPR)
Calls: DELFILE() (function in HMCOMP.SPR)
Contains: GETSTR() (Params: HMATNAME, SCENTOTAL,
STEPTOTAL, FACTOTAL, WFACTOTAL, PHASETOTAL, BOOTSTRAP)
Called by: SUBCOMPUT (procedure in HMCOMP.SPR)
Calls: DP.PRG

```

Contains: _QLE0L6B8T() (Params: none)
 Called by: HMCOMP.SPR
 Contains: _QLE0L6BIV() (Params: none)
 Called by: HMCOMP.SPR
 Contains: _QLE0L6BR7() (Params: none)
 Called by: HMCOMP.SPR
 Contains: _QLE0L6BYN() (Params: none)
 Called by: HMCOMP.SPR
 Contains: _QLE0L6C5N() (Params: none)
 Called by: HMCOMP.SPR
 Contains: _QLE0L6CB0() (Params: none)
 Called by: HMCOMP.SPR
 Calls: SETUPBOOT() (function in HMCOMP.SPR)
 Calls: POPUPSHOW() (function in HMSC.PRG)
 Calls: COMPUTE (procedure in HMCOMP.SPR)
 Calls: POPUPHIDE() (function in HMSC.PRG)
 Calls: HMBROWSE (procedure in HMCOMP.SPR)

12. CHOOSER.PRG

Contains: _Q120IDTF() (Params: none)
 Called by: CHOOSER.PRG
 Contains: _Q120IDG17() (Params: none)
 Called by: CHOOSER.PRG
 Contains: _Q120IDG86() (Params: none)
 Called by: CHOOSER.PRG

13. HMLU.PRG

Contains: GET_HMNAME (Params: M.NAME)
 Called by: _Q7D001EI8() (function in HMLU.PRG)
 Calls: CHOOSER.PRG
 Calls: ERRMSG.PRG
 Contains: _Q7D001EI8() (Params: none)
 Called by: HMLU.PRG
 Calls: GET_HMNAME (procedure in HMLU.PRG)
 Calls: DP.PRG
 Contains: _Q7D001EUB() (Params: none)
 Called by: HMLU.PRG

14. W_PRINT.SPR

Contains: PRINTFILE() (Params: none)
 Called by: _QKF0VS4PH() (function in W_PRINT.SPR)
 Contains: _QKF0VS4NC() (Params: none)
 Called by: W_PRINT.SPR
 Contains: _QKF0VS4PH() (Params: none)
 Called by: W_PRINT.SPR
 Calls: PRINTFILE() (function in W_PRINT.SPR)
 Contains: _QKF0VS4RM() (Params: none)
 Called by: W_PRINT.SPR

15. HMSC.PRG

Contains: CLOSEFILE (Params: none)
 Called by: HMSC.PRG
 Contains: DEL_HMSC() (Params: ID)
 Called by: HMSC.PRG
 Calls: POPUPSHOW() (function in HMSC.PRG)

Calls: OPENFILE()	(function in HMSC.PRG)
Calls: POPUPHIDE()	(function in HMSC.PRG)
Contains: FILEFIND()	(Params: MFILENAME)
Called by: OPENFILE()	(function in HMSC.PRG)
Calls: DP.PRG	
Contains: OPENFILE()	(Params: FILE)
Called by: HMSTEP.PRG	
Called by: HMREF.PRG	
Called by: HMMSDS.PRG	
Called by: OPEN	(procedure in HMSCOMP.SPR)
Called by: DEL_HMSC()	(function in HMSC.PRG)
Calls: FILEFIND()	(function in HMSC.PRG)
Contains: POPUPSHOW()	(Params: ERRSTR)
Called by: _QLE0L6CB0()	(function in HMSCOMP.SPR)
Called by: DEL_HMSC()	(function in HMSC.PRG)
Contains: POPUPHIDE()	(Params: W)
Called by: _QLE0L6CB0()	(function in HMSCOMP.SPR)
Called by: DEL_HMSC()	(function in HMSC.PRG)

16. HMSCEN.PRG

Contains: GET_HMSC()	(Params: NAME)
Called by: _Q8K0INGJH()	(function in HMSCEN.PRG)
Called by: _Q8K0INGTV()	(function in HMSCEN.PRG)
Calls: CHOOSER.PRG	
Contains: MEVENT	(Params: MNEW)
Called by: _Q8K0INGJH()	(function in HMSCEN.PRG)
Called by: _Q8K0INGTV()	(function in HMSCEN.PRG)
Called by: _Q8K0INHBV()	(function in HMSCEN.PRG)
Contains: _Q8K0INGJH()	(Params: none)
Called by: HMSCEN.PRG	
Calls: GET_HMSC()	(function in HMSCEN.PRG)
Calls: MEVENT	(procedure in HMSCEN.PRG)
Calls: DP.PRG	
Contains: _Q8K0INGTV()	(Params: none)
Called by: HMSCEN.PRG	
Calls: ERRMSG.PRG	
Calls: GET_HMSC()	(function in HMSCEN.PRG)
Calls: MEVENT	(procedure in HMSCEN.PRG)
Calls: DP.PRG	
Contains: _Q8K0INHBV()	(Params: none)
Called by: HMSCEN.PRG	
Calls: MEVENT	(procedure in HMSCEN.PRG)

17. HMSTEP.PRG

Contains: ESCPRESSED	(Params: none)
Contains: INITVAR	(Params: none)
Called by: HMSTEP.PRG	
Called by: _QIPOVASCN()	(function in HMSTEP.PRG)
Called by: _QIPOVATWZ()	(function in HMSTEP.PRG)
Calls: GET_HMATN()	(function in HMSTEP.PRG)
Calls: GET_HMLCN()	(function in HMTAB.SPR)
Calls: GET_HMWPN()	(function in HMTAB.SPR)
Contains: ADDOPTION	(Params: none)
Called by: _QIPOVASCN()	(function in HMSTEP.PRG)
Called by: _QIPOVATWZ()	(function in HMSTEP.PRG)
Contains: CHANGE	(Params: none)
Called by: _QKF0VR394()	(function in HMAT.SPR)

Called by: _QKF0VR3EK()	(function in HMAT.SPR)
Called by: _QKF0VR3HM()	(function in HMAT.SPR)
Called by: _QKF0VR3ON()	(function in HMAT.SPR)
Called by: _QKF0VR3XH()	(function in HMAT.SPR)
Called by: _QKF0VR6VW()	(function in HMLC.SPR)
Called by: _QKF0VRBPA()	(function in HMET.SPR)
Called by: _QKF0VRL1J()	(function in HMCFEI.SPR)
Called by: _QKF0VRQRG()	(function in HMTAB.SPR)
Called by: _QIPOVATWZ()	(function in HMSTEP.PRG)
Contains: GET_HMAT()	(Params: NAME)
Called by: _QIPOVASYA()	(function in HMSTEP.PRG)
Calls: CHOOSER.PRG	
Calls: ERRMSG.PRG	
Contains: GET_HMATN()	(Params: M.ID)
Called by: INITVAR	(procedure in HMSTEP.PRG)
Contains: GET_HMLC()	(Params: M.HMLC)
Called by: _QKF0VRQ1C()	(function in HMTAB.SPR)
Called by: _QIPOVAT9X()	(function in HMSTEP.PRG)
Calls: CHOOSER.PRG	
Calls: ERRMSG.PRG	
Contains: GET_HMLCN()	(Params: M.ID)
Called by: HMTAB.SPR	
Called by: _QKF0VRPCS()	(function in HMTAB.SPR)
Called by: _QKF0VRQRG()	(function in HMTAB.SPR)
Called by: INITVAR	(procedure in HMSTEP.PRG)
Contains: GET_HMWP()	(Params: M.MATCH)
Called by: _QKF0VRQ72()	(function in HMTAB.SPR)
Called by: _QIPOVATLC()	(function in HMSTEP.PRG)
Calls: CHOOSER.PRG	
Calls: ERRMSG.PRG	
Contains: GET_HMWPN()	(Params: M.ID)
Called by: HMTAB.SPR	
Called by: _QKF0VRPCS()	(function in HMTAB.SPR)
Called by: _QKF0VRQRG()	(function in HMTAB.SPR)
Called by: INITVAR	(procedure in HMSTEP.PRG)
Contains: GET_HMUNIT	(Params: none)
Called by: _QIPOVASYA()	(function in HMSTEP.PRG)
Called by: _QIPOVAT9X()	(function in HMSTEP.PRG)
Called by: _QIPOVATLC()	(function in HMSTEP.PRG)
Called by: DATACHECK()	(function in HMSTEP.PRG)
Calls: ERRMSG.PRG	
Contains: SCSAVE	(Params: none)
Called by: _QIPOVASCN()	(function in HMSTEP.PRG)
Contains: DATACHECK()	(Params: none)
Called by: _QIPOVATWZ()	(function in HMSTEP.PRG)
Calls: ERRMSG.PRG	
Calls: GET_HMUNIT	(procedure in HMSTEP.PRG)
Contains: _QIPOVASCN()	(Params: none)
Called by: HMSTEP.PRG	
Calls: YESNO.PRG	
Calls: INITVAR	(procedure in HMSTEP.PRG)
Calls: ADDOPTION	(procedure in HMSTEP.PRG)
Calls: SCSAVE	(procedure in HMSTEP.PRG)
Contains: _QIPOVASVS()	(Params: none)
Called by: HMSTEP.PRG	
Contains: _QIPOVASYA()	(Params: none)
Called by: HMSTEP.PRG	
Calls: GET_HMAT()	(function in HMSTEP.PRG)
Calls: DP.PRG	

Calls: GET_HMUNIT	(procedure in HMSTEP.PRG)
Contains: _QIPOVAT7G()	(Params: none)
Called by: HMSTEP.PRG	
Contains: _QIPOVAT9X()	(Params: none)
Called by: HMSTEP.PRG	
Calls: GET_HMLC()	(function in HMTAB.SPR)
Calls: DP.PRG	
Calls: GET_HMUNIT	(procedure in HMSTEP.PRG)
Contains: _QIPOVATIU()	(Params: none)
Called by: HMSTEP.PRG	
Contains: _QIPOVATLC()	(Params: none)
Called by: HMSTEP.PRG	
Calls: GET_HMWP()	(function in HMTAB.SPR)
Calls: DP.PRG	
Calls: GET_HMUNIT	(procedure in HMSTEP.PRG)
Contains: _QIPOVATWZ()	(Params: none)
Called by: HMSTEP.PRG	
Calls: DATACHECK()	(function in HMSTEP.PRG)
Calls: CHANGE	(procedure in HMAT.SPR)
Calls: YESNO.PRG	
Calls: INITVAR	(procedure in HMSTEP.PRG)
Calls: ADDOPTION	(procedure in HMSTEP.PRG)
Contains: _QIPOVAUD2()	(Params: none)
Called by: HMSTEP.PRG	
18. MEMOEDIT.PRG	
Contains: _Q8L0LJ6F0()	(Params: none)
Called by: MEMOEDIT.PRG	
19. DISPLAY.PRG	
Contains: _QINOM9E2J()	(Params: none)
Called by: DISPLAY.PRG	
Calls: W_PRINT.SPR	
20. BWFACT.PRG	
Contains: _Q8Q0NQKA6()	(Params: none)
Called by: BWFACT.PRG	
21. BSELECT.PRG	
Contains: _Q8Q0N6SBM()	(Params: none)
Called by: BSELECT.PRG	
22. HMREF.PRG	
Contains: HMVIEW()	(Params: NAME)
Called by: HMREF.PRG	
Called by: HMMSDS.PRG	
Calls: NEWLINE()	(function in HMAT.SPR)
Calls: MEMOWIN.PRG	
Contains: NEWLINE()	(Params: TEXT)
Called by: HMVIEW()	(function in HMREF.PRG)
23. HMMSDS.PRG	
Contains: HMVIEW()	(Params: NAME)

Called by: HMREF.PRG
Called by: HMMSDS.PRG
Calls: NEWLINE() (function in HMAT.SPR)
Calls: MEMOWIN.PRG

24. **MEMOWIN.PRG**

Contains: _QIG0IXOXD() (Params: none)
Called by: MEMOWIN.PRG
Calls: W_PRINT.SPR
Contains: _QIG0IXPJO() (Params: none)
Called by: MEMOWIN.PRG
Calls: W_PRINT.SPR

25. **HMENU.MPR**

Contains: _QKF0VR0CN (Params: none)
Called by: HMENU.MPR
Calls: BACKUP.PRG
Contains: _QKF0VR0FQ (Params: none)
Called by: HMENU.MPR
Calls: ERRMSG.PRG

26. **&OLDPROC**

Temporary Variable

Section VII. Program Source Code


```

1  *:*****
=> 2  *:*****
3  *: Procedure file: C:\HMLCCM\WORK\BACKUP.PRG
4  *:
5  *: System: Hazardous Material Life-Cycle Cost Model
6  *: Author: Naval Health Research Center
7  *: Copyright (c) 1993, Naval Health Research Center
8  *: Last modified: 12/01/93 14:51
9  *:
10 *: Procs & Fncts: ERRHAND
11 *: : STOP
12 *:
13 *: Set by: _GLEOVCOOC (procedure in HMENU.MPR)
14 *:
15 *: Calls: ERRMSG.PRG
16 *:
17 *: Documented 12/02/93 at 10:50 FoxDoc version 2.10f
18 *:*****
=> 19 *****
20 set talk off
21 =errmsg("Insert diskette in drive A and hit RETURN")
22 =errmsg("Please wait.",1)
23
24 ! pkzip a:\hmbakup.zip *.dbf
25 ! pkzip -u a:\hmbakup.zip *.cdx
26 ! pkzip -u a:\hmbakup.zip *.fpt
27
28 =errmsg("DONE.",1)
29
30 clear
31 return
32
33 *****
34 *:*****
=> 41 *****
42 *: Procedure: ERRHAND
43 *:
44 *: Calls: ERRMSG.PRG
45 *:
46 *:*****
=> 40 *****
40 procedure errhand
41 =errmsg("BACKUP CRASHED CHECK PARAMETERS AND TRY AGAIN.")
42 return
43 quit
44
45 *****
=> 54 *****
54 *:*****
55 *: Procedure: STOP
56 *:
57 *: Calls: EMPTY() (function in ?)
58 *: : ERROR() (function in ?)
59 *: : ERRMSG.PRG
60 *:
61 *:*****
=> 62 *****
62 *:*****
63 *****
64 procedure stop
65 if empty(error())
66 =errmsg("Please check drive A")
67 retry
68 endif
69 return
70 *: EOF: BACKUP.ACT

```

```

1  *:*:*****
2  *:*:*****
3  *:*: Procedure file: C:\HAZMAT\GHW\WORK\BIGCHARS.PRG
4  *:*:
5  *:*: System: Hazardous Material Life-Cycle Cost Model
6  *:*: Author: Naval Health Research Center
7  *:*: Copyright (c) 1993, Naval Health Research Center
8  *:*: Last modified: 09/13/93 8:43
9  *:*:
10 *:*: Set by: HMINIT.PRG
11 *:*:      : HMINIT.PRG
12 *:*:
13 *:*: Documented 12/01/93 at 11:31 FoxDoc version 2.10f
14 *:*:*****
15 => *****
16 *
17 * FUNCTION: BIGCHARS
18 * PURPOSE: PRINT HEADER
19 * RETURN: None.
20 * PARAMETERS:
21 * startx x-coordinate to start (sugg: 6)
22 * starty y-coordinate to start (sugg: 17)
23 * instrng title to be blown up
24 * o_t waiting time (sugg: 6)
25 * REFERENCE: C:\FOXPRO2\GOODIES\DEMO\PRGS\BIGCHARS.PRG
26 * SIDE EFFECTS: Not known.
27 * CREATED BY: Anh Le 18 JUN 92
28 * MODIFIED: AL 23 JUN 92
29 *
30 *****
31 PARAMETER startx,starty,instrng,o_t
32
33
34
35
36
37
38
39
40
41
42
43
44
45
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47
48
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```

```

65 curlet = 1
66
67 IF "HOMO" $ UPPER(SYS(2006))
68 colorvar = "n/n"
69 ELSE
70 colorvar = "n/b"
71 ENDIF
72 CLEAR
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
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```

```

131 @ 3,0 SAY " " COLOR W+/N
132 @ 3,2 SAY " " COLOR W+/N
133 @ 3,5 SAY " " COLOR (colorvar)
134
135 @ 4,0 SAY " " COLOR (colorvar)
136 CASE SUBSTR(instring,curlet,1) = "n"
137 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
138 FROM startx,curenty TO startx + 5,curenty + 5 ;
139 NONE MOSHADOW
140 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
141 curenty = curenty + 6
142 @ 1,0 SAY " " COLOR W+/N
143 @ 1,3 SAY " " COLOR (colorvar)
144 @ 1,4 SAY " " COLOR (colorvar)
145
146 @ 2,0 SAY " " COLOR W+/N
147 @ 2,3 SAY " " COLOR (colorvar)
148
149 @ 3,0 SAY " " COLOR W+/N
150
151 @ 4,0 SAY " " COLOR (colorvar)
152 CASE SUBSTR(instring,curlet,1) = "o"
153 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
154 FROM startx,curenty TO startx + 5,curenty + 5 ;
155 NONE MOSHADOW
156 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
157 curenty = curenty + 7
158 @ 1,0 SAY " " COLOR W+/N
159 @ 1,2 SAY " " COLOR W+/N
160 @ 1,4 SAY " " COLOR W+/N
161
162 @ 2,0 SAY " " COLOR W+/N
163
164 @ 3,0 SAY " " COLOR W+/N
165 @ 3,2 SAY " " COLOR W+/N
166
167 @ 4,0 SAY " " COLOR (colorvar)
168 CASE SUBSTR(instring,curlet,1) = "a"
169 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
170 FROM startx,curenty TO startx + 5,curenty + 6 ;
171 NONE MOSHADOW
172 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
173 curenty = curenty + 8
174 @ 1,0 SAY " " COLOR W+/N
175 @ 1,2 SAY " " COLOR W+/N
176 @ 1,4 SAY " " COLOR W+/N
177
178 @ 2,0 SAY " " COLOR W+/N
179 @ 2,2 SAY " " COLOR W+/N
180
181 @ 3,0 SAY " " COLOR W+/N
182 @ 3,2 SAY " " COLOR W+/N
183
184 @ 4,0 SAY " " COLOR (colorvar)
185 CASE SUBSTR(instring,curlet,1) = "i"
186 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
187 FROM startx,curenty TO startx + 5,curenty + 5 ;
188 NONE MOSHADOW
189 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
190 curenty = curenty + 4
191 @ 0,0 SAY " " COLOR W+/N
192 @ 0,1 SAY " " COLOR W+/N
193 @ 0,2 SAY " " COLOR (colorvar)
194
195 @ 1,0 SAY " " COLOR (colorvar)
196 @ 1,2 SAY " " COLOR (colorvar)
197
198 @ 2,0 SAY " " COLOR W+/N
199
200 @ 3,0 SAY " " COLOR W+/N
201
202 @ 4,0 SAY " " COLOR (colorvar)
203 CASE SUBSTR(instring,curlet,1) = "r"
204 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
205 FROM startx,curenty TO startx + 5,curenty + 5 ;
206 NONE MOSHADOW
207 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
208 curenty = curenty + 7
209 @ 1,0 SAY " " COLOR W+/N
210 @ 1,2 SAY " " COLOR W+/N
211 @ 1,4 SAY " " COLOR W+/N
212
213 @ 2,0 SAY " " COLOR W+/N
214
215 @ 3,0 SAY " " COLOR W+/N
216
217 @ 4,0 SAY " " COLOR (colorvar)
218 CASE SUBSTR(instring,curlet,1) = "h"
219 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
220 FROM startx,curenty TO startx + 5,curenty + 6 ;
221 NONE MOSHADOW
222 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
223 curenty = curenty + 10
224 @ 1,0 SAY " " COLOR W+/N
225 @ 1,2 SAY " " COLOR W+/N
226 @ 1,4 SAY " " COLOR W+/N
227 @ 1,5 SAY " " COLOR W+/N
228 @ 1,7 SAY " " COLOR W+/N
229
230 @ 2,0 SAY " " COLOR W+/N
231
232 @ 3,0 SAY " " COLOR W+/N
233
234 @ 4,0 SAY " " COLOR (colorvar)
235 CASE SUBSTR(instring,curlet,1) = "m"
236 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
237 FROM startx,curenty TO startx + 5,curenty + 6 ;
238 NONE MOSHADOW
239 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
240 curenty = curenty + 7
241 @ 0,0 SAY " " COLOR W+/N
242 @ 0,3 SAY " " COLOR W+/N
243 @ 0,5 SAY " " COLOR (colorvar)
244
245 @ 1,0 SAY " " COLOR W+/N
246 @ 1,3 SAY " " COLOR W+/N
247 @ 1,4 SAY " " COLOR (colorvar)
248
249 @ 2,1 SAY " " COLOR W+/N
250
251 @ 3,1 SAY " " COLOR W+/N
252
253 @ 4,0 SAY " " COLOR (colorvar)
254 CASE SUBSTR(instring,curlet,1) = "l"
255 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
256 FROM startx,curenty TO startx + 5,curenty + 5 ;
257 NONE MOSHADOW
258 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
259 curenty = curenty + 4
260 @ 0,0 SAY " " COLOR W+/N
261 @ 0,2 SAY " " COLOR (colorvar)
262

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131 @ 3,0 SAY " " COLOR W+/N
132 @ 3,2 SAY " " COLOR W+/N
133 @ 3,5 SAY " " COLOR (colorvar)
134
135 @ 4,0 SAY " " COLOR (colorvar)
136 CASE SUBSTR(instring,curlet,1) = "n"
137 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
138 FROM startx,curenty TO startx + 5,curenty + 5 ;
139 NONE MOSHADOW
140 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
141 curenty = curenty + 6
142 @ 1,0 SAY " " COLOR W+/N
143 @ 1,3 SAY " " COLOR (colorvar)
144 @ 1,4 SAY " " COLOR (colorvar)
145
146 @ 2,0 SAY " " COLOR W+/N
147 @ 2,3 SAY " " COLOR (colorvar)
148
149 @ 3,0 SAY " " COLOR W+/N
150
151 @ 4,0 SAY " " COLOR (colorvar)
152 CASE SUBSTR(instring,curlet,1) = "o"
153 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
154 FROM startx,curenty TO startx + 5,curenty + 5 ;
155 NONE MOSHADOW
156 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
157 curenty = curenty + 7
158 @ 1,0 SAY " " COLOR W+/N
159 @ 1,2 SAY " " COLOR W+/N
160 @ 1,4 SAY " " COLOR W+/N
161
162 @ 2,0 SAY " " COLOR W+/N
163
164 @ 3,0 SAY " " COLOR W+/N
165 @ 3,2 SAY " " COLOR W+/N
166
167 @ 4,0 SAY " " COLOR (colorvar)
168 CASE SUBSTR(instring,curlet,1) = "a"
169 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
170 FROM startx,curenty TO startx + 5,curenty + 6 ;
171 NONE MOSHADOW
172 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
173 curenty = curenty + 8
174 @ 1,0 SAY " " COLOR W+/N
175 @ 1,2 SAY " " COLOR W+/N
176 @ 1,4 SAY " " COLOR W+/N
177
178 @ 2,0 SAY " " COLOR W+/N
179 @ 2,2 SAY " " COLOR W+/N
180
181 @ 3,0 SAY " " COLOR W+/N
182 @ 3,2 SAY " " COLOR W+/N
183
184 @ 4,0 SAY " " COLOR (colorvar)
185 CASE SUBSTR(instring,curlet,1) = "i"
186 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
187 FROM startx,curenty TO startx + 5,curenty + 5 ;
188 NONE MOSHADOW
189 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
190 curenty = curenty + 4
191 @ 0,0 SAY " " COLOR W+/N
192 @ 0,1 SAY " " COLOR W+/N
193 @ 0,2 SAY " " COLOR (colorvar)
194
195 @ 1,0 SAY " " COLOR (colorvar)
196 @ 1,2 SAY " " COLOR (colorvar)

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329 FROM startx,curenty TO startx + 5,curenty + 5 ;
330 NONE NOSHADOM
331 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
332 curenty = curenty + 6
333 @ 1,0 SAY " " COLOR W+/N
334 @ 1,2 SAY " " COLOR W+/N
335 @ 1,4 SAY " " COLOR (colorvar)
336 @ 2,0 SAY " " COLOR W+/N
337 @ 2,3 SAY " " COLOR (colorvar)
338 @ 3,0 SAY " " COLOR W+/N
339 @ 3,2 SAY " " COLOR W+/N
340 @ 3,4 SAY " " COLOR (colorvar)
341 @ 4,0 SAY " " COLOR (colorvar)
342 --CASE SUBSTR(instring,curlet,1) = "d"
343 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
344 FROM startx,curenty TO startx + 5,curenty + 5 ;
345 NONE NOSHADOM
346 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
347 curenty = curenty + 7
348 @ 0,0 SAY " " COLOR (colorvar)
349 @ 0,5 SAY " " COLOR (colorvar)
350 @ 1,0 SAY " " COLOR W+/N
351 @ 1,2 SAY " " COLOR W+/N
352 @ 2,0 SAY " " COLOR W+/N
353 @ 2,2 SAY " " COLOR (colorvar)
354 @ 2,3 SAY " " COLOR W+/N
355 @ 3,0 SAY " " COLOR (colorvar)
356 @ 3,5 SAY " " COLOR (colorvar)
357 @ 4,0 SAY " " COLOR (colorvar)
358 --CASE SUBSTR(instring,curlet,1) = "q"
359 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
360 FROM startx,curenty TO startx + 5,curenty + 5 ;
361 NONE NOSHADOM
362 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
363 curenty = curenty + 7
364 @ 1,0 SAY " " COLOR W+/N
365 @ 1,2 SAY " " COLOR W+/N
366 @ 1,3 SAY " " COLOR (colorvar)
367 @ 1,5 SAY " " COLOR (colorvar)
368 @ 2,0 SAY " " COLOR W+/N
369 @ 2,2 SAY " " COLOR W+/N
370 @ 2,3 SAY " " COLOR (colorvar)
371 @ 2,5 SAY " " COLOR W+/N
372 @ 3,0 SAY " " COLOR (colorvar)
373 @ 3,5 SAY " " COLOR (colorvar)
374 @ 4,0 SAY " " COLOR W+/N
375 @ 4,2 SAY " " COLOR W+/N
376 @ 4,3 SAY " " COLOR (colorvar)
377 @ 4,5 SAY " " COLOR W+/N
378 @ 5,0 SAY " " COLOR (colorvar)
379 --CASE SUBSTR(instring,curlet,1) = "g"
380 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
381 FROM startx,curenty TO startx + 5,curenty + 6 ;
382 NONE NOSHADOM
383 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
384 curenty = curenty + 7
385 @ 1,0 SAY " "

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263 @ 1,0 SAY " " COLOR W+/N
264 @ 2,0 SAY " " COLOR W+/N
265 @ 3,0 SAY " " COLOR W+/N
266 @ 4,0 SAY " " COLOR (colorvar)
267 --CASE SUBSTR(instring,curlet,1) = "k"
268 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
269 FROM startx,curenty TO startx + 5,curenty + 7 ;
270 NONE NOSHADOM
271 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
272 curenty = curenty + 8
273 @ 0,0 SAY " " COLOR (colorvar)
274 @ 0,2 SAY " " COLOR (colorvar)
275 @ 1,0 SAY " " COLOR W+/N
276 @ 1,5 SAY " " COLOR (colorvar)
277 @ 2,0 SAY " " COLOR W+/N
278 @ 2,4 SAY " " COLOR (colorvar)
279 @ 3,0 SAY " " COLOR W+/N
280 @ 3,3 SAY " " COLOR (colorvar)
281 @ 4,0 SAY " " COLOR (colorvar)
282 --CASE SUBSTR(instring,curlet,1) = "u"
283 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
284 FROM startx,curenty TO startx + 5,curenty + 6 ;
285 NONE NOSHADOM
286 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
287 curenty = curenty + 7
288 @ 1,0 SAY " " COLOR (colorvar)
289 @ 1,2 SAY " " COLOR (colorvar)
290 @ 1,3 SAY " " COLOR (colorvar)
291 @ 1,5 SAY " " COLOR (colorvar)
292 @ 2,0 SAY " " COLOR W+/N
293 @ 3,0 SAY " " COLOR W+/N
294 @ 3,2 SAY " " COLOR W+/N
295 @ 3,3 SAY " " COLOR W+/N
296 @ 3,4 SAY " " COLOR W+/N
297 @ 4,0 SAY " " COLOR (colorvar)
298 --CASE SUBSTR(instring,curlet,1) = "b"
299 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
300 FROM startx,curenty TO startx + 5,curenty + 6 ;
301 NONE NOSHADOM
302 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
303 curenty = curenty + 7
304 @ 0,0 SAY " " COLOR (colorvar)
305 @ 0,2 SAY " " COLOR (colorvar)
306 @ 1,0 SAY " " COLOR W+/N
307 @ 1,4 SAY " " COLOR W+/N
308 @ 2,0 SAY " " COLOR W+/N
309 @ 2,3 SAY " " COLOR (colorvar)
310 @ 2,5 SAY " " COLOR (colorvar)
311 @ 3,0 SAY " " COLOR W+/N
312 @ 4,0 SAY " " COLOR (colorvar)
313 @ 4,2 SAY " " COLOR W+/N
314 @ 4,3 SAY " " COLOR W+/N
315 @ 4,5 SAY " " COLOR (colorvar)
316 @ 5,0 SAY " " COLOR (colorvar)
317 --CASE SUBSTR(instring,curlet,1) = "c"
318 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
319 FROM startx,curenty TO startx + 5,curenty + 6 ;
320 NONE NOSHADOM
321 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
322 curenty = curenty + 7
323 @ 1,0 SAY " "

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395 @ 1,2 SAY " " COLOR W+/N
396 @ 1,3 SAY " " COLOR W+/N
397 @ 1,5 SAY " " COLOR (colorvar)
398
399 @ 2,0 SAY " " COLOR W+/N
400 @ 2,2 SAY " " COLOR (colorvar)
401 @ 2,3 SAY " " COLOR W+/N
402
403 @ 3,0 SAY " " COLOR (colorvar)
404 @ 3,5 SAY " " COLOR (colorvar)
405
406 @ 4,0 SAY " " COLOR W+/N
407 @ 4,2 SAY " " COLOR W+/N
408 @ 4,3 SAY " " COLOR W+/N
409 @ 4,4 SAY " " COLOR W+/N
410
411 @ 5,0 SAY " " COLOR (colorvar)
412
413 -CASE SUBSTR(instring,curlet,1) = "h"
414 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
415 FROM startx,curenty TO startx + 5,curenty + 5 ;
416 NONE MOSHADOW
417 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
418 curenty = curenty + 7
419 @ 0,0 SAY " " COLOR W+/N
420 @ 0,2 SAY " " COLOR (colorvar)
421
422 @ 1,0 SAY " " COLOR W+/N
423 @ 1,4 SAY " "
424
425 @ 2,0 SAY " " COLOR W+/N
426
427 @ 3,0 SAY " " COLOR W+/N
428
429 @ 4,0 SAY " " COLOR (colorvar)
430 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
431 FROM startx,curenty TO startx + 5,curenty + 5 ;
432 NONE MOSHADOW
433 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
434 curenty = curenty + 5
435 @ 0,0 SAY " "
436 @ 0,2 SAY " " COLOR W+/N
437 @ 0,3 SAY " " COLOR (colorvar)
438
439 @ 1,0 SAY " "
440 @ 1,3 SAY " " COLOR (colorvar)
441
442 @ 2,1 SAY " " COLOR W+/N
443
444 @ 3,1 SAY " " COLOR W+/N
445
446 @ 4,0 SAY " "
447 @ 4,1 SAY " " COLOR W+/N
448 @ 4,3 SAY " " COLOR (colorvar)
449 -CASE SUBSTR(instring,curlet,1) = "p"
450 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
451 FROM startx,curenty TO startx + 5,curenty + 6 ;
452 NONE MOSHADOW
453 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
454 curenty = curenty + 7
455 @ 1,0 SAY " "
456
457 @ 2,0 SAY " " COLOR W+/N
458 @ 2,3 SAY " "
459 @ 2,5 SAY " " COLOR (colorvar)
460

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461 @ 3,0 SAY " " COLOR W+/N
462
463 @ 4,0 SAY " " COLOR W+/N
464 @ 4,3 SAY " " COLOR (colorvar)
465
466 @ 5,0 SAY " " COLOR (colorvar)
467 -CASE SUBSTR(instring,curlet,1) = "w"
468 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
469 FROM startx,curenty TO startx + 5,curenty + 6 ;
470 NONE MOSHADOW
471 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
472 curenty = curenty + 9
473 @ 1,0 SAY " "
474 @ 1,2 SAY " " COLOR (colorvar)
475 @ 1,3 SAY " "
476 @ 1,4 SAY " " COLOR (colorvar)
477 @ 1,5 SAY " "
478 @ 1,7 SAY " " COLOR (colorvar)
479
480 @ 2,0 SAY " "
481 @ 2,2 SAY " " COLOR W+/N
482
483 @ 3,1 SAY " " COLOR W+/N
484
485 @ 4,0 SAY " " COLOR (colorvar)
486 -CASE SUBSTR(instring,curlet,1) = "x"
487 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
488 FROM startx,curenty TO startx + 5,curenty + 7 ;
489 NONE MOSHADOW
490 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
491 curenty = curenty + 8
492 @ 1,0 SAY " "
493 @ 1,5 SAY " " COLOR W+/N
494 @ 1,6 SAY " " COLOR (colorvar)
495
496 @ 2,0 SAY " "
497 @ 2,4 SAY " " COLOR W+/N
498 @ 2,5 SAY " " COLOR (colorvar)
499
500 @ 3,0 SAY " " COLOR W+/N
501 @ 3,3 SAY " " COLOR (colorvar)
502 @ 3,4 SAY " " COLOR W+/N
503 @ 3,6 SAY " " COLOR (colorvar)
504
505 @ 4,0 SAY " " COLOR (colorvar)
506 -CASE SUBSTR(instring,curlet,1) = "y"
507 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
508 FROM startx,curenty TO startx + 5,curenty + 6 ;
509 NONE MOSHADOW
510 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
511 curenty = curenty + 7
512 @ 1,0 SAY " "
513 @ 1,2 SAY " " COLOR (colorvar)
514 @ 1,3 SAY " "
515 @ 1,5 SAY " " COLOR (colorvar)
516
517 @ 2,0 SAY " " COLOR W+/N
518
519 @ 3,0 SAY " "
520 @ 3,4 SAY " " COLOR W+/N
521
522 @ 4,0 SAY " "
523 @ 4,3 SAY " " COLOR W+/N
524
525 @ 5,0 SAY " " COLOR (colorvar)
526 -CASE SUBSTR(instring,curlet,1) = "v"

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461 @ 1,2 SAY " " COLOR W+/N
462 @ 1,3 SAY " " COLOR (colorvar)
463 @ 1,5 SAY " " COLOR (colorvar)
464
465 @ 2,0 SAY " " COLOR W+/N
466 @ 2,2 SAY " " COLOR (colorvar)
467 @ 2,3 SAY " " COLOR W+/N
468
469 @ 3,0 SAY " " COLOR (colorvar)
470 @ 3,5 SAY " " COLOR (colorvar)
471
472 @ 4,0 SAY " " COLOR W+/N
473 @ 4,2 SAY " " COLOR W+/N
474 @ 4,3 SAY " " COLOR W+/N
475 @ 4,4 SAY " " COLOR W+/N
476
477 @ 5,0 SAY " " COLOR (colorvar)
478 -CASE SUBSTR(instring,curlet,1) = "h"
479 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
480 FROM startx,curenty TO startx + 5,curenty + 5 ;
481 NONE MOSHADOW
482 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
483 curenty = curenty + 7
484 @ 0,0 SAY " " COLOR W+/N
485 @ 0,2 SAY " " COLOR (colorvar)
486
487 @ 1,0 SAY " " COLOR W+/N
488 @ 1,4 SAY " "
489
490 @ 2,0 SAY " " COLOR W+/N
491
492 @ 3,0 SAY " " COLOR W+/N
493
494 @ 4,0 SAY " " COLOR (colorvar)
495 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
496 FROM startx,curenty TO startx + 5,curenty + 5 ;
497 NONE MOSHADOW
498 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
499 curenty = curenty + 5
500 @ 0,0 SAY " "
501 @ 0,2 SAY " " COLOR W+/N
502 @ 0,3 SAY " " COLOR (colorvar)
503
504 @ 1,0 SAY " "
505 @ 1,3 SAY " " COLOR (colorvar)
506
507 @ 2,1 SAY " " COLOR W+/N
508
509 @ 3,1 SAY " " COLOR W+/N
510
511 @ 4,0 SAY " "
512 @ 4,1 SAY " " COLOR W+/N
513 @ 4,3 SAY " " COLOR (colorvar)
514 -CASE SUBSTR(instring,curlet,1) = "p"
515 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
516 FROM startx,curenty TO startx + 5,curenty + 6 ;
517 NONE MOSHADOW
518 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
519 curenty = curenty + 7
520 @ 1,0 SAY " "
521
522 @ 2,0 SAY " " COLOR W+/N
523 @ 2,3 SAY " "
524 @ 2,5 SAY " " COLOR (colorvar)
525

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461 @ 3,0 SAY " " COLOR W+/N
462
463 @ 4,0 SAY " " COLOR W+/N
464 @ 4,3 SAY " " COLOR (colorvar)
465
466 @ 5,0 SAY " " COLOR (colorvar)
467 -CASE SUBSTR(instring,curlet,1) = "w"
468 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
469 FROM startx,curenty TO startx + 5,curenty + 6 ;
470 NONE MOSHADOW
471 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
472 curenty = curenty + 9
473 @ 1,0 SAY " "
474 @ 1,2 SAY " " COLOR (colorvar)
475 @ 1,3 SAY " "
476 @ 1,4 SAY " " COLOR (colorvar)
477 @ 1,5 SAY " "
478 @ 1,7 SAY " " COLOR (colorvar)
479
480 @ 2,0 SAY " "
481 @ 2,2 SAY " " COLOR W+/N
482
483 @ 3,1 SAY " " COLOR W+/N
484
485 @ 4,0 SAY " " COLOR (colorvar)
486 -CASE SUBSTR(instring,curlet,1) = "x"
487 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
488 FROM startx,curenty TO startx + 5,curenty + 7 ;
489 NONE MOSHADOW
490 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
491 curenty = curenty + 8
492 @ 1,0 SAY " "
493 @ 1,5 SAY " " COLOR W+/N
494 @ 1,6 SAY " " COLOR (colorvar)
495
496 @ 2,0 SAY " "
497 @ 2,4 SAY " " COLOR W+/N
498 @ 2,5 SAY " " COLOR (colorvar)
499
500 @ 3,0 SAY " " COLOR W+/N
501 @ 3,3 SAY " " COLOR (colorvar)
502 @ 3,4 SAY " " COLOR W+/N
503 @ 3,6 SAY " " COLOR (colorvar)
504
505 @ 4,0 SAY " " COLOR (colorvar)
506 -CASE SUBSTR(instring,curlet,1) = "y"
507 DEFINE WINDOM ("letter" + ALLTRIM(STR(curlet))) ;
508 FROM startx,curenty TO startx + 5,curenty + 6 ;
509 NONE MOSHADOW
510 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
511 curenty = curenty + 7
512 @ 1,0 SAY " "
513 @ 1,2 SAY " " COLOR (colorvar)
514 @ 1,3 SAY " "
515 @ 1,5 SAY " " COLOR (colorvar)
516
517 @ 2,0 SAY " " COLOR W+/N
518
519 @ 3,0 SAY " "
520 @ 3,4 SAY " " COLOR W+/N
521
522 @ 4,0 SAY " "
523 @ 4,3 SAY " " COLOR W+/N
524
525 @ 5,0 SAY " " COLOR (colorvar)
526 -CASE SUBSTR(instring,curlet,1) = "v"

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527 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
528 FROM startx,curenty to startx + 5,curenty + 6 ;
529 NONE NOSHADOW
530 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
531 curenty = curenty + 7
532 @ 1,0 SAY " " COLOR (colorvar)
533 @ 1,2 SAY " " COLOR (colorvar)
534 @ 1,3 SAY " " COLOR (colorvar)
535 @ 1,5 SAY " " COLOR (colorvar)
536
537 @ 2,0 SAY " " COLOR W+/N
538 @ 2,1 SAY " " COLOR W+/N
539 @ 3,0 SAY " "
540 @ 3,3 SAY " " COLOR W+/N
541
542 @ 4,0 SAY " " COLOR (colorvar)
543
544 -CASE SUBSTR(instring,curlet,1) = "M"
545 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
546 FROM startx,curenty to startx + 5,curenty + 4 ;
547 NONE NOSHADOW
548 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
549 curenty = curenty + 6
550 @ 0,0 SAY " "
551 @ 0,4 SAY " " COLOR (colorvar)
552
553 @ 1,0 SAY " "
554 @ 1,3 SAY " " COLOR (colorvar)
555
556 @ 2,0 SAY " "
557 @ 2,2 SAY " " COLOR (colorvar)
558
559 @ 3,0 SAY " "
560 @ 3,1 SAY " " COLOR (colorvar)
561
562 @ 4,0 SAY " " COLOR (colorvar)
563
564 -CASE SUBSTR(instring,curlet,1) = "Z"
565 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
566 FROM startx,curenty to startx + 5,curenty + 6 ;
567 NONE NOSHADOW
568 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
569 curenty = curenty + 7
570 @ 1,0 SAY " "
571 @ 1,1 SAY " " COLOR W+/N
572 @ 1,5 SAY " " COLOR (colorvar)
573
574 @ 2,0 SAY " "
575 @ 2,3 SAY " " COLOR W+/N
576 @ 2,5 SAY " " COLOR (colorvar)
577
578 @ 3,0 SAY " "
579 @ 3,4 SAY " " COLOR W+/N
580
581 @ 4,0 SAY " " COLOR (colorvar)
582 startx = startx + 6
583 curenty = startx
584 -CASE SUBSTR(instring,curlet,1) = "A"
585 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
586 FROM startx,curenty to startx + 5,curenty + 7 ;
587 NONE NOSHADOW
588 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
589 curenty = curenty + 9
590 @ 0,2 SAY " " COLOR W+/N
591 @ 0,5 SAY " " COLOR (colorvar)
592

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593
594
595
596 @ 1,1 SAY " " COLOR W+/N
597 @ 1,6 SAY " " COLOR (colorvar)
598
599 @ 2,0 SAY " "
600 @ 2,1 SAY " " COLOR W+/N
601
602 @ 3,0 SAY " " COLOR W+/N
603 @ 3,3 SAY " " COLOR (colorvar)
604 @ 3,5 SAY " " COLOR W+/N
605
606 @ 4,0 SAY " " COLOR (colorvar)
607 -CASE SUBSTR(instring,curlet,1) = "B"
608 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
609 FROM startx,curenty to startx + 5,curenty + 6 ;
610 NONE NOSHADOW
611 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
612 curenty = curenty + 8
613 @ 0,0 SAY " " COLOR W+/N
614 @ 0,4 SAY " "
615
616 @ 1,0 SAY " " COLOR W+/N
617 @ 1,3 SAY " "
618 @ 1,5 SAY " " COLOR W+/N
619
620 @ 2,0 SAY " " COLOR W+/N
621 @ 2,3 SAY " " COLOR (colorvar)
622 @ 2,4 SAY " " COLOR W+/N
623 @ 2,5 SAY " " COLOR (colorvar)
624
625 @ 3,0 SAY " " COLOR W+/N
626 @ 3,3 SAY " "
627 @ 3,5 SAY " " COLOR W+/N
628
629 @ 4,0 SAY " " COLOR (colorvar)
630 -CASE SUBSTR(instring,curlet,1) = "C"
631 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
632 FROM startx,curenty to startx + 5,curenty + 8 ;
633 NONE NOSHADOW
634 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
635 curenty = curenty + 9
636 @ 0,0 SAY " "
637 @ 0,3 SAY " " COLOR W+/N
638 @ 0,6 SAY " "
639
640 @ 1,0 SAY " " COLOR W+/N
641 @ 1,3 SAY " " COLOR (colorvar)
642 @ 1,4 SAY " "
643 @ 1,7 SAY " " COLOR (colorvar)
644
645 @ 2,0 SAY " "
646 @ 2,3 SAY " " COLOR W+/N
647
648 @ 3,0 SAY " "
649 @ 3,6 SAY " " COLOR W+/N
650
651 @ 4,0 SAY " " COLOR (colorvar)
652 -CASE SUBSTR(instring,curlet,1) = "D"
653 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
654 FROM startx,curenty to startx + 5,curenty + 6 ;
655 NONE NOSHADOW
656 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
657 curenty = curenty + 8
658 @ 0,0 SAY " " COLOR W+/N
659 @ 0,4 SAY " "
660 @ 1,0 SAY " " COLOR W+/N
661

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@ 1,3 SAY " " COLOR (colorvar)
@ 1,6 SAY " " COLOR W+/N
@ 2,0 SAY " " COLOR W+/N
@ 2,3 SAY " "
@ 2,6 SAY " " COLOR (colorvar)
@ 3,0 SAY " " COLOR W+/N
@ 3,6 SAY " " COLOR (colorvar)
@ 4,0 SAY " " COLOR (colorvar)
CASE SUBSTR(instrng,curlet,1) = "E"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curenty TO startx + 5,curenty + 6 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curenty = curenty + 7
@ 0,0 SAY " " COLOR W+/N
@ 0,5 SAY " " COLOR (colorvar)
@ 1,0 SAY " " COLOR W+/N
@ 1,3 SAY " "
@ 2,0 SAY " " COLOR W+/N
@ 2,3 SAY " " COLOR (colorvar)
@ 3,0 SAY " " COLOR W+/N
@ 3,3 SAY " "
@ 4,0 SAY " " COLOR (colorvar)
CASE SUBSTR(instrng,curlet,1) = "F"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curenty TO startx + 5,curenty + 6 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curenty = curenty + 7
@ 0,0 SAY " " COLOR W+/N
@ 0,5 SAY " " COLOR (colorvar)
@ 1,0 SAY " " COLOR W+/N
@ 1,3 SAY " "
@ 2,0 SAY " " COLOR W+/N
@ 2,3 SAY " " COLOR (colorvar)
@ 3,0 SAY " " COLOR W+/N
@ 3,3 SAY " "
@ 4,0 SAY " " COLOR (colorvar)
CASE SUBSTR(instrng,curlet,1) = "G"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curenty TO startx + 5,curenty + 6 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curenty = curenty + 9
@ 0,0 SAY " " COLOR W+/N
@ 0,3 SAY " " COLOR W+/N
@ 0,6 SAY " "
@ 1,0 SAY " " COLOR W+/N
@ 1,3 SAY " " COLOR (colorvar)
@ 1,4 SAY " "
@ 1,7 SAY " " COLOR (colorvar)
@ 2,0 SAY " " COLOR W+/N
@ 2,3 SAY " "
@ 2,7 SAY " " COLOR (colorvar)

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@ 3,0 SAY " " COLOR W+/N
@ 3,6 SAY " " COLOR W+/N
@ 4,0 SAY " " COLOR (colorvar)
CASE SUBSTR(instrng,curlet,1) = "H"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curenty TO startx + 5,curenty + 7 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curenty = curenty + 8
@ 0,0 SAY " "
@ 0,2 SAY " " COLOR (colorvar)
@ 0,4 SAY " "
@ 0,6 SAY " " COLOR (colorvar)
@ 1,0 SAY " " COLOR W+/N
@ 1,3 SAY " "
@ 1,6 SAY " " COLOR (colorvar)
@ 2,0 SAY " " COLOR W+/N
@ 2,3 SAY " " COLOR (colorvar)
@ 2,4 SAY " " COLOR W+/N
@ 3,0 SAY " " COLOR W+/N
@ 3,3 SAY " "
@ 3,4 SAY " " COLOR W+/N
@ 4,0 SAY " " COLOR (colorvar)
CASE SUBSTR(instrng,curlet,1) = "I"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curenty TO startx + 5,curenty + 5 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curenty = curenty + 4
@ 0,0 SAY " "
@ 0,2 SAY " " COLOR (colorvar)
@ 1,0 SAY " " COLOR W+/N
@ 2,0 SAY " " COLOR W+/N
@ 3,0 SAY " " COLOR W+/N
@ 3,3 SAY " "
@ 4,0 SAY " " COLOR (colorvar)
CASE SUBSTR(instrng,curlet,1) = "J"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curenty TO startx + 5,curenty + 6 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curenty = curenty + 7
@ 0,0 SAY " "
@ 0,5 SAY " " COLOR (colorvar)
@ 1,3 SAY " " COLOR W+/N
@ 2,3 SAY " " COLOR W+/N
@ 3,0 SAY " "
@ 3,4 SAY " " COLOR W+/N
@ 4,0 SAY " " COLOR (colorvar)
CASE SUBSTR(instrng,curlet,1) = "K"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curenty TO startx + 5,curenty + 7 ;
NONE NOSHADOW

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@ 1,0 SAY " " COLOR W+/N
@ 1,3 SAY " " COLOR (colorvar)
@ 1,5 SAY " " COLOR (colorvar)
@ 1,7 SAY " " COLOR (colorvar)
@ 2,0 SAY " " COLOR W+/N
@ 2,3 SAY " " COLOR (colorvar)
@ 2,7 SAY " " COLOR (colorvar)
@ 3,0 SAY " " COLOR (colorvar)
@ 3,6 SAY " " COLOR (colorvar)
@ 4,0 SAY " " COLOR (colorvar)
@ 4,6 SAY " " COLOR (colorvar)
@ 4,7 SAY " " COLOR (colorvar)
-CASE SUBSTR(instring,curlet,1) = "H"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto TO startx + 5,curynto + 7 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curynto = curynty + 8
@ 0,0 SAY " " COLOR W+/N
@ 0,3 SAY " "
@ 1,0 SAY " " COLOR W+/N
@ 1,3 SAY " "
@ 1,6 SAY " " COLOR (colorvar)
@ 2,0 SAY " " COLOR W+/N
@ 2,6 SAY " " COLOR (colorvar)
@ 3,0 SAY " " COLOR W+/N
@ 3,3 SAY " "
@ 3,6 SAY " " COLOR (colorvar)
@ 4,0 SAY " " COLOR (colorvar)
-CASE SUBSTR(instring,curlet,1) = "H"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto TO startx + 5,curynto + 7 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curynto = curynty + 8
@ 0,0 SAY " " COLOR W+/N
@ 0,2 SAY " " COLOR W+/N
@ 0,5 SAY " "
@ 1,0 SAY " " COLOR (colorvar)
@ 1,5 SAY " " COLOR (colorvar)
@ 2,0 SAY " "
@ 2,6 SAY " " COLOR (colorvar)
@ 3,0 SAY " "
@ 3,5 SAY " " COLOR W+/N
@ 4,0 SAY " " COLOR (colorvar)
-CASE SUBSTR(instring,curlet,1) = "H"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto TO startx + 5,curynto + 7 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curynto = curynty + 8
@ 0,0 SAY " "
@ 0,1 SAY " " COLOR W+/N
@ 0,6 SAY " " COLOR (colorvar)

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@ 1,2 SAY " " COLOR W+/N
@ 2,2 SAY " " COLOR W+/N
@ 3,2 SAY " " COLOR W+/N
@ 4,0 SAY " " COLOR (colorvar)
-CASE SUBSTR(instring,curlet,1) = "H"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto TO startx + 5,curynto + 6 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curynto = curynty + 8
@ 0,0 SAY " "
@ 0,2 SAY " " COLOR (colorvar)
@ 0,4 SAY " "
@ 0,6 SAY " " COLOR (colorvar)
@ 1,0 SAY " " COLOR W+/N
@ 1,3 SAY " "
@ 1,6 SAY " " COLOR (colorvar)
@ 2,0 SAY " " COLOR W+/N
@ 2,3 SAY " "
@ 2,4 SAY " " COLOR W+/N
@ 3,0 SAY " "
@ 3,2 SAY " " COLOR W+/N
@ 3,3 SAY " "
@ 3,4 SAY " " COLOR W+/N
@ 4,0 SAY " " COLOR (colorvar)
-CASE SUBSTR(instring,curlet,1) = "H"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto TO startx + 5,curynto + 7 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curynto = curynty + 9
@ 0,0 SAY " "
@ 0,2 SAY " " COLOR (colorvar)
@ 0,3 SAY " "
@ 0,7 SAY " " COLOR (colorvar)
@ 1,0 SAY " "
@ 1,3 SAY " " COLOR (colorvar)
@ 1,4 SAY " " COLOR W+/N
@ 1,7 SAY " " COLOR (colorvar)
@ 2,0 SAY " "
@ 2,3 SAY " " COLOR W+/N
@ 3,0 SAY " "
@ 3,4 SAY " " COLOR W+/N
@ 4,0 SAY " " COLOR (colorvar)
-CASE SUBSTR(instring,curlet,1) = "H"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto TO startx + 5,curynto + 10 ;
NONE NOSHADOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curynto = curynty + 12
@ 0,0 SAY " "
@ 0,2 SAY " " COLOR (colorvar)
@ 0,4 SAY " "
@ 0,6 SAY " " COLOR (colorvar)

```

```

1121 FROM startx,curenty TO startx + 5,curenty + 6 ;
1122 NONE NOSHADOW
1123 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
1124 curenty = curenty + 8
1125 @ 0,0 SAY " " COLOR W+/N
1126 @ 0,1 SAY " " COLOR W+/N
1127 @ 0,6 SAY " " COLOR (colorvar)
1128 @ 1,0 SAY " "
1129 @ 1,4 SAY " " COLOR W+/N
1130 @ 1,6 SAY " " COLOR (colorvar)
1131 @ 2,0 SAY " "
1132 @ 2,3 SAY " " COLOR W+/N
1133 @ 3,0 SAY " "
1134 @ 3,4 SAY " " COLOR W+/N
1135 @ 4,0 SAY " " " COLOR (colorvar)
1136 curlet = curlet + 1
1137 -ENDCASE
1138 -ENDDDO
1139 DEFINE WINDOW ("WRN" ) ;
1140 FROM x_coor+startx,y_coor-12 TO x_coor+startx + 11,y_coor + 60 ;
1141 NONE NOSHADOW
1142 ACTIVATE WINDOW ("WRN")
1143 @ 2,17 SAY "Version 1.2 Date: Sept. 30, 1993"
1144 @ 3,17 SAY "(c) Naval Health Research Center."
1145 @ 6,0 SAY "#####"
1146 => #####
1147 => TER SYSTEM
1148 @ 7,0 SAY "UNAUTHORIZED ACCESS TO THIS UNITED STATES GOVERNMENT COMPU
1149 => ODE, SECTION"
1150 @ 9,0 SAY "1030. THIS SYSTEM MAY ONLY BE USED FOR UNCLASSIFIED OFFIC
1151 => IAL BUSINESS."
1152 @ 10,0 SAY "#####"
1153 => #####
1154 WAIT "" TIMEOUT 0 t
1155 IF NOT EMPTY(instring)
1156 curlet = 1
1157 FOR i = 1 TO len str
1158 DEACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
1159 RELEASE WINDOW ("letter" + ALLTRIM(STR(curlet)))
1160 curlet = curlet + 1
1161 NEXT
1162 -ENDIF
1163 DEACTIVATE WINDOW "WRN"
1164 RELEASE WINDOW "WRN"
1165 CLEAR
1166 * : EOF: BIGCHARS.ACT
1167

```

```

1055 @ 0,8 SAY " "
1056 @ 0,10 SAY " " COLOR (colorvar)
1057 @ 1,0 SAY " "
1058 @ 1,2 SAY " " COLOR W+/N
1059 @ 1,3 SAY " "
1060 @ 1,6 SAY " " COLOR (colorvar)
1061 @ 1,7 SAY " "
1062 @ 1,9 SAY " " COLOR W+/N
1063 @ 2,1 SAY " " " COLOR W+/N
1064 @ 3,2 SAY " " " COLOR W+/N
1065 @ 3,6 SAY " " " COLOR W+/N
1066 @ 3,9 SAY " " " COLOR (colorvar)
1067 @ 4,0 SAY " " " " COLOR (colorvar)
1068 -CASE SUBSTR(instring,curlet,1) = "X"
1069 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
1070 FROM startx,curenty TO startx + 5,curenty + 8 ;
1071 NONE NOSHADOW
1072 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
1073 curenty = curenty + 9
1074 @ 0,0 SAY " "
1075 @ 0,2 SAY " " " COLOR (colorvar)
1076 @ 0,3 SAY " "
1077 @ 0,7 SAY " " " COLOR (colorvar)
1078 @ 1,0 SAY " "
1079 @ 1,5 SAY " " " COLOR W+/N
1080 @ 1,6 SAY " " " COLOR (colorvar)
1081 @ 2,0 SAY " " " " COLOR W+/N
1082 @ 2,3 SAY " " " " COLOR W+/N
1083 @ 3,0 SAY " " " " COLOR W+/N
1084 @ 3,3 SAY " " " " COLOR (colorvar)
1085 @ 3,4 SAY " "
1086 @ 3,7 SAY " " " " COLOR (colorvar)
1087 @ 4,0 SAY " " " " " COLOR (colorvar)
1088 -CASE SUBSTR(instring,curlet,1) = "Y"
1089 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
1090 FROM startx,curenty TO startx + 5,curenty + 9 ;
1091 NONE NOSHADOW
1092 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
1093 curenty = curenty + 10
1094 @ 0,0 SAY " "
1095 @ 0,2 SAY " " " " COLOR (colorvar)
1096 @ 0,3 SAY " "
1097 @ 0,8 SAY " " " " COLOR (colorvar)
1098 @ 1,0 SAY " "
1099 @ 1,3 SAY " " " " COLOR (colorvar)
1100 @ 1,4 SAY " "
1101 @ 1,7 SAY " " " " " COLOR (colorvar)
1102 @ 2,0 SAY " "
1103 @ 2,5 SAY " " " " " COLOR W+/N
1104 @ 2,7 SAY " " " " " COLOR (colorvar)
1105 @ 3,3 SAY " " " " " COLOR W+/N
1106 @ 4,0 SAY " " " " " " COLOR (colorvar)
1107 -CASE SUBSTR(instring,curlet,1) = "Z"
1108 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
1109

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09/02/92	BSELECT.PRG	10:49:05
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Author's Name
Copyright (c) 1992 Company Name
Address
City, Zip
Description:
This program was automatically generated by GENSCRN.

BSELECT Setup Code - SECTION 1

```

#REGION 1
PARAMETER arraylist, msg
EXTERNAL ARRAY arraylist
IF PARAMETER() < 2
RETURN ""
ENDIF

```

```

#REGION 0
REGIONAL m.currarea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "Off"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currarea = SELECT()

```

Window definitions

```

IF NOT WEXIST("bselect")
DEFINE WINDOW bselect ;
FROM INT((SRW()-8)/2), INT((SCOL()-60)/2) ;
TO INT((SRW()-8)/2)+7, INT((SCOL()-60)/2)+59 ;
TITLE "Boot Strap" ;
NOFLOAT ;
NOCLOSE ;
SHADOW ;
DOUBLE ;
COLOR SCHEME 5
ENDIF

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130
131
132

```

BSELECT Setup Code - SECTION 2

BSELECT Screen Layout

BSELECT Cleanup Code

```

*
*
*
*
*
#REGION 1
U = ""
m.text = ""
*
*
*
*
*
#REGION 1
IF WVISIBLE("bselect")
ACTIVATE WINDOW bselect SAME
ELSE
ACTIVATE WINDOW bselect NOSHOW
ENDIF
a 1,0 GET m.fl ;
PICTURE "q " ;
FROM arraylist ;
SIZE 3,57 ;
DEFAULT 1 ;
COLOR SCHEME 5, 6
a 5,21 GET m.action ;
PICTURE "aHT \<Ok;\<Cancel" ;
SIZE 1,8,1 ;
DEFAULT 1 ;
VALID q8q0r6sbm()
a 0,0 SAY m.msg ;
SIZE 1,37
*
*
*
*
*
IF NOT WVISIBLE("bselect")
ACTIVATE WINDOW bselect
ENDIF
READ CYCLE MODAL
RELEASE WINDOW bselect
SELECT (m.currarea)
*
*
*
*
*
#REGION 0
IF m.talkstat = "ON"
SET TALK ON
ENDIF
IF m.compstat = "ON"
SET COMPATIBLE ON
ENDIF
*
*
*
*
*

```

```
133 #REGION 1  
134 RETURN m.text  
135  
136 *  
137 *  
138 *  
139 *  
140 *  
141 *  
142 *  
143 *  
144 *  
145 *  
146 *  
147 *  
148 *  
149 *  
150 *  
151 FUNCTION _q8q0n6sbm && m.action VALID  
152 #REGION 1  
153 IF m.action = 1  
154 m.text = arraylist[m.f1,1]  
155 ELSE  
156 m.text = ""  
157 ENDIF  
158 *: EOF: BSELECT.ACT
```

_q8q0n6sbm	m.action VALID
Function Origin:	
From Screen:	BSELECT,
Variable:	m.action
Called By:	VALID Clause
Object Type:	Push Button
Snippet Number:	1
	Record Number: 3

```

1  * :*****
2  * :
3  * : Procedure file: C:\HAZMAT\GHW\WORK\CHOOSE.PRG
4  * :
5  * : System: Hazardous Material Life-Cycle Cost Model
6  * : Author: Naval Health Research Center
7  * : Copyright (c) 1993, Naval Health Research Center
8  * : Last modified: 11/30/93 17:29
9  * :
10 * : Procs & Fncts: Q120IDFTFC()
11 * : : Q120IDG17()
12 * : : Q120IDG86()
13 * :
14 * : Set by: GET_CFC() (function in HMCFC.SPR)
15 * : GET_CFE (procedure in HMCFEI.SPR)
16 * : GET_HMLC() (function in HMTAB.SPR)
17 * : GET_HMAP() (function in HMTAB.SPR)
18 * : GET_HMET() (function in HMTAB.SPR)
19 * : GET_CFI() (function in HMTAB.SPR)
20 * : GET_HNAME (procedure in HMLU.PRG)
21 * : GET_HMSC() (function in HMSCEN.PRG)
22 * : GET_HMAT() (function in HNSTEP.PRG)
23 * :
24 * : Calls: Q120IDFTFC() (function in CHOOSE.PRG)
25 * : : Q120IDG17() (function in CHOOSE.PRG)
26 * : : Q120IDG86() (function in CHOOSE.PRG)
27 * :
28 * : Documented 12/01/93 at 11:32 FoxDoc version 2.10f
29 * :*****
30 * :*****
31 * : * 12/03/91 CHOOSE.PRG 08:34:18 *
32 * :*****
33 * :*****
34 * : * Adam Green *
35 * : * Copyright (c) 1991 Adam Green Seminars *
36 * : * One Fareuil Hall *
37 * : * Boston, MA 02174 *
38 * : * Description: *
39 * : * This program was automatically generated by GENSCRN. *
40 * : * *
41 * :*****
42 * :*****
43 * :*****
44 * :*****
45 * :*****
46 * :*****
47 * :*****
48 * :*****
49 * : * CHOOSE Setup Code - SECTION 1 *
50 * :*****
51 * :*****
52 * :*****
53 * :*****
54 * :*****
55 * : REGION 1
56 * : PARAMETERS choicelist, MESSAGE
57 * :
58 * : * Create a default message
59 * : IF PARAMETERS() = 1
60 * : m.message = "Make a Selection"
61 * :
62 * : * Truncate the message to fit in an @SAY
63 * : IF LEN( m.message ) > 50
64 * :

```

```

65 * : m.message = SUBSTR( m.message, 1,60 )
66 * :
67 * :
68 * :
69 * :
70 * :
71 * : REGION 0
72 * : REGIONAL m.curreare, m.talkstat, m.compatet
73 * : SET TALK OFF
74 * :
75 * : IF SET("TALK") = "ON"
76 * : SET TALK OFF
77 * : m.talkstat = "ON"
78 * :
79 * : ELSE
80 * : m.talkstat = "OFF"
81 * :
82 * : ENDIF
83 * : SET COMPATIBLE = SET("COMPATIBLE")
84 * : SET COMPATIBLE FORPLUS
85 * :
86 * : *****
87 * : * Window definitions
88 * : *
89 * : *****
90 * :
91 * :
92 * :
93 * : IF NOT WEXIST("chooser")
94 * : DEFINE WINDOW chooser
95 * : FROM INT((SROW()-19)/2), INT((SCOL()-77)/2) ;
96 * : TO INT((SROW()-19)/2)+18, INT((SCOL()-77)/2)+76 ;
97 * : FLOAT ;
98 * : CLOSE ;
99 * : SHADOW ;
100 * : MINIMIZE ;
101 * : SYSTEM ;
102 * : COLOR SCHEME 8
103 * :
104 * : *****
105 * : * CHOOSE Setup Code - SECTION 2 *
106 * : * *
107 * : * *
108 * : * *
109 * : * *
110 * :
111 * : REGION 1
112 * : PRIVATE ALL
113 * :
114 * : * Initialize the push buttons to the Ok button
115 * : m.s1 = 1
116 * :
117 * : * If an array is referenced without being declared
118 * : * in this file the Project Manager reports an error
119 * : * EXTERNAL tells the Project Manager not to worry about it
120 * : EXTERNAL ARRAY choicelist
121 * :
122 * : * Start the list box variable on the first array element
123 * : * and initialize it as character type
124 * : m.choice = choicelist[ 1 ]
125 * :
126 * : *****
127 * : *
128 * : * CHOOSE Screen Layout
129 * : *
130 * : *****

```

```

131 *
132 #REGION 1
133 IF WVISIBLE("chooser")
134   ACTIVATE WINDOW chooser SAME
135 ELSE
136   ACTIVATE WINDOW chooser NOSHOW
137 ENDIF
138 @ 1,1 SAY m.message ;
139 @ 3,2 GET m.choice ;
140 PICTURE "a%N" ;
141 FROM choicelist ;
142 SIZE 11,68 ;
143 DEFAULT 1 ;
144 VALID _q120idftf() ;
145 COLOR SCHEME 9
146 PICTURE "a%HT \\<OK;?\\<Cancel";
147 SIZE 1,8,3 ;
148 DEFAULT 1 ;
149 VALID _q120idg17()
150
151 IF NOT WVISIBLE("chooser")
152   ACTIVATE WINDOW chooser
153 ENDIF
154
155 READ CYCLE ;
156 WHEN _q120idg86()
157
158 RELEASE WINDOW chooser
159
160 #REGION 0
161 IF m.talkstat = "ON"
162   SET TALK ON
163 ENDIF
164 IF m.compstat = "ON"
165   SET COMPATIBLE ON
166 ENDIF
167
168
169
170
171
172
173
174
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177
178
179 #REGION 1
180 * Return the selected text if the user pressed OK
181 IF m.sl = 1
182   RETURN m.choice
183 ELSE
184   RETURN ""
185 ENDIF
186
187
188
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```

```

197 * * Snippet Number: 1
198 * *
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500 * *****

```

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263

* * When Code from screen: CHOOSER
* *
#REGION 1
* Start the READ on the list box
CURJOB = 08JNUM(m.choice)
?: EOF: CHOOSER.ACT

```

1 *
2 *
3 *
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66 *

```

```

09/02/92      BMFACT.PRG      11:04:28
Author's Name
Copyright (c) 1992 Company Name
Address
City, Zip
Description:
This program was automatically generated by GENSCRN.

```

```

BMFACT Setup Code - SECTION 1

```

```

#REGION 1
PARAMETER array1, array2
EXTERNAL ARRAY array1, array2
IF PARAMETER() < 2
  RETURN ""
ENDIF

#REGION 0
REGIONAL m.currarea, m.talkstat, m.compstat

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currarea = SELECT()

```

```

Window definitions

```

```

IF NOT MEXIST("bwfact")
  DEFINE WINDOW bwfact
  FROM INT((SROW()-1)/2), INT((SCOL()-64)/2)
  TO INT((SROW()-1)/2)+10, INT((SCOL()-64)/2)+63 ;
  TITLE "Boot strap" ;
  NOFLOAT ;
  NOCLOSE ;
  SHADOW ;
  DOUBLE ;
  COLOR SCHEME 5
ENDIF

```

```

67 *
68 *
69 *
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129 *
130 *
131 *
132 *

```

```

BMFACT Setup Code - SECTION 2

```

```

#REGION 1
U = ""
m.text = ""

```

```

BMFACT Screen Layout

```

```

#REGION 1
IF MVISIBLE("bwfact")
  ACTIVATE WINDOW bwfact SAME
ELSE
  ACTIVATE WINDOW bwfact NOSHOW
ENDIF
@ 1,18 GET m.f1 ;
  PICTURE "g" ;
  FROM array1 ;
  SIZE 3,41 ;
  DEFAULT 1 ;
@ 4,18 GET m.f2 ;
  PICTURE "g" ;
  FROM array2 ;
  SIZE 3,41 ;
  DEFAULT 1 ;
  COLOR SCHEME 5, 6
@ 5,8 SAY "at step:"
@ 2,2 SAY "Select Factor:"
@ 8,24 GET m.action ;
  PICTURE "a*HT \<Ok;\<Cancel" ;
  SIZE 1,8,1 ;
  DEFAULT 1 ;
  VALID _q8q8nka6()

```

```

IF NOT MVISIBLE("bwfact")
  ACTIVATE WINDOW bwfact
ENDIF

```

```

READ CYCLE MODAL
RELEASE WINDOW bwfact
SELECT (m.currarea)

```

```

#REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compstat = "ON"
  SET COMPATIBLE ON
ENDIF

```



```

133 *
134 *
135 *
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137 *
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139 *
140 *
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153 *
154 *
155 *
156 *
157 *
158 *
159 *
160 *
161 *
162 *
163 *
164 *
165 *

```

BWFACT Cleanup Code

#REGION 1

RETURN m.text

```

*_q800nqka6 m.action VALID
Function Origin:
From Screen: BWFACT, Record Number: 6
Variable: m.action
Called By: VALID Clause
Object Type: Push Button
Snippet Number: 1

```

```

FUNCTION _q800nqka6 && m.action VALID
#REGION 1
IF m.action = 1
m.text = array1[m.f1,1] + u + array2[m.f2,1]
ELSE
m.text = ""
ENDIF
*: EOF: BWFACT.ACT

```

```

1 *
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65 *
66 *

```

```

08/24/93          DISPLAY.PRG          10:23:08
Author's Name
Copyright (c) 1993 Company Name
Address
City,          Zip
Description:
This program was automatically generated by GENSCRN.

```

```

PARAMETERS string
DISPLAY/MS-DOS Setup Code - SECTION 1

```

```

#REGION 0
REGIONAL m.currarea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currarea = SELECT()

```

```

MS-DOS Window definitions

```

```

IF NOT WEXIST("w_hmresult");
OR UPPER(UTITLE("w_hmresult")) = "w_hmresult.pjx";
OR UPPER(UTITLE("w_hmresult")) = "w_hmresult.scx";
OR UPPER(UTITLE("w_hmresult")) = "w_hmresult.minx";
OR UPPER(UTITLE("w_hmresult")) = "w_hmresult.prg";
OR UPPER(UTITLE("w_hmresult")) = "w_hmresult.frx";
OR UPPER(UTITLE("w_hmresult")) = "w_hmresult.opr";
DEFINE WINDOW w_hmresult;
FROM INT((SRW()-20)/2), INT((SCOL()-77)/2);
TO INT((SRW()-20)/2)+19, INT((SCOL()-77)/2)+76;
TITLE "Hazard Material Life Cycle Cost";
NOFLOAT;
NOCLOSE;
SHADOW;
nominimize;
DOUBLE;
COLOR SCHEME 1
ENDIF

```

```

DISPLAY/MS-DOS Setup Code - SECTION 2

```

```

#REGION 1
m.action = 1
U = "u"
m.text = m.string

```

```

DISPLAY/MS-DOS Screen Layout

```

```

#REGION 1
IF WVISIBLE("w_hmresult")
ACTIVATE WINDOW w_hmresult SAME
ELSE
ACTIVATE WINDOW w_hmresult HOSHOW
ENDIF
@ 1,2 EDIT m.text;
SIZE 14,72,0;
DEFAULT " ";
SCROLL;
NOMODIFY

```

```

@ 16,31 GET m.action;
PICTURE "%HT \<Print;\<Quit";
SIZE 1,7,3;
DEFAULT 1;
VALID _qindmp2j()

```

```

IF NOT WVISIBLE("w_hmresult")
ACTIVATE WINDOW w_hmresult
ENDIF
READ CYCLE MODAL
RELEASE WINDOW w_hmresult
SELECT (m.currarea)

```

```

#REGION 0
IF m.talkstat = "ON"
SET TALK ON
ENDIF
IF m.compstat = "ON"
SET COMPATIBLE ON
ENDIF

```

```

_qindmp2j          m.action VALID
Function Origin:
From Platform:    MS-DOS
From Screen:      DISPLAY,
Record Number:    3

```

Variable: m.action
Called By: VALID Clause
Snippet Number: 1

```
133 *  
134 *  
135 *  
136 *  
137 *  
138 *  
139 FUNCTION_qinOm9eZj  && m.action VALID  
140 #REGION 1  
141 IF m.action = 1  
142 DO w_print.spr WITH m.text  
143 ENDIF  
144 *: EOF: DISPLAY.ACT
```

```

56 mp = -1
57 mp2 = -1
58 CASE PARAMETER() = 3
59 IF TYPE("mp") != "M"
60 RETURN ""
61 ELSE
62 IF mp < 1
63 RETURN ""
64 ENDIF
65 mp2 = -1
66 CASE PARAMETER() = 4
67 IF TYPE("mp") != "M"
68 RETURN ""
69 ENDIF
70 IF TYPE("mp2") = "M"
71 mp2 = IIF(mp >= mp2, -1, mp2)
72 ELSE
73 mp2 = -1
74 ENDIF
75 ENDCASE
76 IF TYPE("ms") != "C"
77 ms = STR(ms)
78 ENDIF
79
80 moccurs = OCCURS(mm,ms)
81 IF moccurs = 0
82 mp=1&(ms'(mm))
83 mstr = IIF(mp = 1, ms, "")
84 RETURN mstr
85 ENDIF
86 mbegin = IIF(mp = 1, 1, (AT(mm,ms,(mp-1))*1))
87 IF mp2 = -1
88 mrend = AT(mm,ms,mp) - 1
89 IF mrend < 0
90 IF mbegin > 1
91 mrend = LEN(ms)
92 ELSE
93 RETURN ""
94 ENDIF
95 ELSE
96 mrend = AT(mm,ms,mp2) - 1
97 mrend = IIF(mrend < 0, LEN(ms), mrend)
98 ENDIF
99 mstr = SUBSTR(ms, mbegin, (mrend - mbegin + 1))
100 RETURN mstr
101 *: EOF: DP.ACT

```

```

1 *****
2 *****
3 Procedure file: C:\HAZMAT\GHM\WORK\DP.PRG
4
5 System: Hazardous Material Life-Cycle Cost Model
6 Author: Naval Health Research Center
7 Copyright (c) 1993, Naval Health Research Center
8 Last modified: 09/10/93 8:12
9
10 Set by: HMTAB.SPR
11 : HHSC.PRG
12 : HHMDS.PRG
13 : SUBCOMPUT
14 : SETUPBOOT()
15 : GETSTR()
16 : Q70001E18()
17 : FILEFIND()
18 : QBK0INGJH()
19 : QBK0INGTV()
20 : QIPOVASYA()
21 : QIPOVAT9X()
22 : QIPOVATLC()
23
24 Documented 12/01/93 at 11:32 FoxDoc version 2.10f
25 *****
26 *****
27 * Date: 08/04/92 10:01:15
28 * Program Name: Question.prg
29 * Author's Name: Hoa Le Ly
30
31 * Copyright (c) 1992 Company Name: MHRC
32 * Department: Code 22
33 * San Diego, CA 92138 - 5122
34 * Description: This program emulate $PIECE of MUMPS function. Which
=> return the portion of string which is bounded by the characters in deli
=> miter. If both
36 * expr and expr2 are present, the value returned includes all char
=> actors from the expr1-1th occurrence of delimiter, up to but not including
37 * the expr2th occurrence of delimiter. If expr2 is not present, it is assumed
=> to have the same
39 * value as expr. If expr1 is not present. Then its value is assu
=> me to be 1
40 * SYNTAX: DP(string, delimiter[,expr[,expr2]])
41 * PARAMETER: string: Character expression which character extract fro
=> m
42 * delimiter: Character to delimiter
43 * expr: start of number occurrence of delimiter
44 * expr2: number of occurrence delimiter
45 * eg: string = "last, first age date of birth"
46 * ?dp(string, " ", 1) ==> last, first
47 * ?dp(string, " ", 1, 2) ==> last, first age
48
49 *****
50 PARAMETER ms, mm, mp, mp2
51 PRIVATE ALL
52 DO CASE
53 CASE PARAMETER() < 2
54 RETURN ""
55 CASE PARAMETER() = 2

```

```

1 *****
2 *****
3 ** Procedure file: C:\HAZMAT\GHM\WORK\ERRMSG.PRG
4 **
5 ** System: Hazardous Material Life-Cycle Cost Model
6 ** Author: Naval Health Research Center
7 ** Copyright (c) 1993, Naval Health Research Center
8 ** Last modified: 09/10/93 8:12
9 **
10 ** Set by: HMTAB.SPR
11 **          BACKUP.PRG
12 **          YESNO.PRG
13 **          HMSTEP.PRG
14 **          HMGETPMD.PRG
15 **          _QKFOVR304()
16 **          _QKFOVR3XH()
17 **          _QKFOVR6TE()
18 **          _QKFOVR991()
19 **          _QKFOVR9C5()
20 **          _QKFOVR9T3()
21 **          _QKFOVRESA()
22 **          _QKFOVRE70()
23 **          _GET_Cf()
24 **          _GET_CFE
25 **          _GET_HMLC()
26 **          _GET_HMHP()
27 **          _GET_HMET()
28 **          _GET_Cf1()
29 **          _ERRHAND
30 **          _STOP
31 **          _CANCEL
32 **          _SETUPBOOT()
33 **          _GET_HMNAME
34 **          _QBZQINGTV()
35 **          _GET_HMAT()
36 **          _GET_HMUNIT
37 **          _DATAHECK()
38 **          _QKFOVROFq
39 **
40 ** Documented 12/01/93 at 11:31
41 ** *****
42 **
43 ** * Open a message window
44 ** * ERRMSG( <expC>[, <expN>] )
45 **
46 ** PARAMETERS errmsg, timelimit
47 ** PRIVATE ALL
48 **
49 ** * set talk off
50 ** savetalk=SET("TALK")
51 ** SET TALK OFF
52 **
53 ** * If no ermessage is sent then quit
54 ** IF PARAMETERS()=0
55 **   RETURN
56 **   ENDIF
57 **
58 ** * m.Timelimit is used in a WAIT TIMEOUT command
59 ** * to control the amount of time ERRMSG display's its message
60 ** * If no time limit is received set time to 0 wait forever
61 **
62 ** IF PARAMETERS()=1 OR EMPTY(m.timelimit)
63 **   m.timelimit=0
64 **   ENDIF

```

```

65
66 IF TYPE("m.Timelimit")!="M"
67   m.timelimit=1IF(TYPE("m.Timelimit")="C", INT(VAL(m.timelimit)),0)
68   ENDIF
69
70 m.errmsg=1IF(TYPE("m.errmsg")!="C", "", m.errmsg)
71
72 IF PARAMETERS()=2 AND EMPTY(m.errmsg) AND m.timelimit>0
73   RETURN
74   ENDIF
75
76 * Get the length of the message to size window
77 m.len=LEN(m.errmsg)
78
79 * Set minimum length for the Press any key
80 IF m.timelimit = 0
81   m.len=1IF(m.len<28,28,m.len)
82   ENDIF
83
84 IF m.len > 70
85   m.errmsg=SUBSTR(m.errmsg,1,70)
86   m.len=70
87   ENDIF
88
89 * Find beginning/ending of the window
90 m.begin=40-(INT(m.len/2)+1)
91 m.end=40+(INT(m.len/2)+1)
92
93 * Remember the current window status
94 m.oldwindow =1IF( WOUTPUT() = errmsg, "", WOUTPUT() )
95
96 IF NOT MEXIST("ErrMsg")
97   DEFINE WINDOW errmsg ;
98   FROM 1,m.begin ;
99   TO 4,m.end ;
100  SHADOW ;
101  DOUBLE ;
102  COLOR SCHEME 5
103  ENDIF
104
105 ACTIVATE WINDOW errmsg
106
107 * Print the message centered in the window
108
109 CLEAR
110 @ 0, ( WCOL() - LEN( m.errmsg ) )/2 SAY m.errmsg
111
112 IF m.timelimit = 0
113   m.pressedkey = "press any key to continue"
114   @ 1, ( WCOL() - LEN( m.pressedkey ) )/2 SAY m.pressedkey
115   ENDIF
116
117 * Wait for the number of seconds in m.Timeout
118 * A value of 0 will wait forever
119 WAIT "" TIMEOUT m.timelimit
120
121 * Close Window
122 RELEASE WINDOW errmsg
123
124 * If there was no output window originally
125 IF EMPTY( m.oldwindow )
126   * Send future output back to the screen
127   ACTIVATE SCREEN
128 ELSE
129
130

```

```

131
132 * Return output to the original window
133 ACTIVATE WINDOW ( m.oldwindow )
134 ENDIF
135
136 SET TALK $savetalk  ## Restore original TALK setting
137 SET COLOR SET TO ## RESTORE OLD COLOR SET
138 RETURN
139 *: EOF: ERRMSG.ACT

```

```

1 *****
2 *
3 * Procedure file: C:\HAZMAT\GHH\WORK\HNGETPWD.PRG
4 *
5 * System: Hazardous Material Life-Cycle Cost Model
6 * Author: Naval Health Research Center
7 * Copyright (c) 1993, Naval Health Research Center
8 * Last modified: 09/10/93 8:12
9 *
10 * Set by: HMINIT.PRG
11 * : HMINIT.PRG
12 *
13 * Calls: ERRMSG.PRG
14 *
15 * Documented 11/24/93 at 07:55 FoxDoc version 2.10f
16 *****
17 *
18 * Validation the password. Is boolean returnable
19 *
20 PARAMETER m_pass
21 PRIVATE ALL
22 IF SET('TALK') = 'ON' && TALK handled as a special case.
23 SET TALK OFF && Turn TALK OFF
24 savetalk = 'ON' && TALK was ON, save the setting
25 ELSE && TALK is OFF
26 savetalk = 'OFF' && TALK was OFF, save the setting
27 ENDIF
28
29 IF SET('ESCAPE') = 'ON' && ESCAPE handled as a special case.
30 SET ESCAPE OFF && Turn ESCAPE OFF
31 savesc = 'ON' && ESCAPE was ON, save the setting
32 ELSE && ESCAPE is OFF
33 savesc = 'OFF' && ESCAPE was OFF, save the setting
34 ENDIF
35
36 IF PARAMETER()=0
37 m_pass=""
38 ENDIF
39
40 mflag = .T.
41 syspass="SYSHAZ"
42 *****
43 * CREATE WINDOW GET_PWD *
44 *****
45
46 DEFINE WINDOW get_pwd FROM 10,16 TO 16,63 DOUBLE FLOAT NOCLOSE GROW 2
47
48 ACTIVATE WINDOW get_pwd
49
50 temp_pass = SPACE (8)
51 @ 2,7 SAY "ENTER PASSWORD:"
52 @ 2,33 GET temp_pass
53 CLEAR GETS
54 @ 2,32 SAY SPACE(1)
55 tpasswd=[
56 tcol = 33
57 msuccess = .F.
58 mtry = 0
59 DO WHILE key1 = 0
60 key1 = INKEY()

```

```

62 LEENDDO
63 IF ( (LASTKEY() >= -9 .AND. LASTKEY() <= -1) OR (LASTKEY() = 16) )
64 ignore F2 to F10 and DEL key
65 key1 = 0
66 LOOP
67 ENDIF
68 IF LASTKEY() = 28 && F1
69 HELP PASSWORD
70 key1 = 0
71 LOOP
72 ENDIF
73 IF ( (LASTKEY() = 19) OR (LASTKEY() = 127) ) && back arrow or bac
74 => k space
75 IF tcol = 33
76 key1 = 0
77 LOOP
78 ELSE
79 IF tcol > 33
80 tcol = tcol - 1
81 @ 2,tcol SAY [ ] COLOR SCHEME 10
82 ELSE
83 @ 2,tcol SAY ""
84 @ 2,32 SAY SPACE(1)
85 tpasswd = SUBSTR(tpasswd,1,LEN(tpasswd) - 1)
86 ENDIF
87 LOOP
88 ENDIF
89 IF ( (LASTKEY() = 27) OR (LASTKEY() = 5) ) && ESC
90 mflag = .F.
91 EXIT
92 ENDIF
93 IF (key1 = 13)
94 IF UPPER(tpasswd) == UPPER(m_pass) OR UPPER(tpasswd)==syspass
95 msuccess = .T.
96 mflag = .F.
97 success = .F.
98 mtry = mtry + 1
99 mtry > 2
100 mflag = .F.
101 =errmsg("Invalid User, Try next time !!!!!!!",1)
102 ELSE
103 =errmsg("Invalid Password, Try again !!",1)
104 @ 2,33 GET temp_pass
105 CLEAR GETS
106 @ 2,32 SAY SPACE(1)
107 tpasswd = [
108 tcol = 32
109 ENDIF
110 ELSE
111 tpasswd = tpasswd + CHR(key1)
112 @ 2,tcol SAY [*] COLOR SCHEME 10
113 ENDIF
114 tcol = tcol + 1
115 ENDDO
116 DEACTIVATE WINDOW get_pwd
117 RELEASE WINDOW get_pwd
118 SET ESCAPE &savesc && Restore original ESCAPE setting
119 SET TALK &savetalk && Restore original TALK setting
120 RETURN tpasswd
121 *: EOF: HNGETPWD.ACT
122
123

```

```

61 *SET HELP TO HHHELP.DBF      ** Change help database
62 *SET HELP TO ** TO DEFAULT HELP
63 SET SYSMENU TO DEFAULT    ** DEFAULT SYSTEM MENU
64
65 ** End of init_app()
66 *****
67 => *
68
69 *   Get password and print to screen*
70 *
71 *****
72 m.pass=UPPER(hmgetpwd("")) ** Get password
73
74 IF m.pass != "SYSHAZ"
75   m.pass="HAZMAT"
76 ENDIF
77
78 m.appbr=IF(m.pass="SYSHAZ","HMLCCN","HMLCCN") ** Set title of applic
79 => * action
80
81
82
83
84
85
86
87
88 *****
89 *   DOME
90 *****
91
92 CLEAR WINDOWS ALL
93 CLOSE DATABASES
94 CLOSE ALL
95 RETURN
96 *****
97
98 *   Function: MYHANDLER()
99 *
100 *   Called by: APPLIC.PRG
101 *
102 *****
103
104
105
106
107
108 *****
109
110
111
112
113
114
115
116
117 *****
118
119
120
121
122
123
124 *****

```

```

1 *****
2
3 * Procedure file: C:\HAZMAT\GHW\WORK\HMINIT.PRG
4
5 * System: Hazardous Material Life-Cycle Cost Model
6 * Author: Naval Health Research Center
7 * Copyright (c) 1993, Naval Health Research Center
8 * Last modified: 09/10/93      8:11
9
10 * Procs & Frcts: MYHANDLER()
11 * : _QUIT()
12
13 * Calls: HMGETPWD.PRG
14 * : BIGCHARS.PRG
15 * : HMENU.MPR
16 * : MYHANDLER() (function in HMINIT.PRG)
17
18 * Documented 12/01/93 at 11:31 FoxDoc version 2.10f
19 *****
20 *****
21
22 * FUNCTION:HMINIT.PRG
23 * PURPOSE: DRIVER FOR HMENU
24 * NOTE: 3 CHANCES FOR ACCESSING ALLOWED.
25 * PROCEDURES CALLED:
26 * SIDE EFFECTS: NONE KNOWN.
27 * REFERENCE: C:\EXAMPLE\PRGS\EX2.PRG AL
28 * CREATED: 06/12/92 AL
29 * MODIFIED: 06/14/92 AL
30
31 *****
32
33 *****
34
35 * Initialize system init_app()
36
37 *****
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60

```


HMJINIT.ACT 12-1-93 11:31a

```

125 *|
126 *|
127 *|
128 *|
129 *|*****
=> *****
      FUNCTION quit
      drcodead = 'T';
      CLEAR READ ALL;
      RETURN;
      * : EOF: HMJINIT.ACT

```

```
1 07/15/92 HMLU.SPR 11:12:55
2
3
4
5
6
7 Author's Name D.M. PEARSALL
8 Copyright (c) 1992 Company Name MHRC
9 Address
10 City, Zip
11
12 Description:
13 This program was automatically generated by GENSCREEN.
14
15
16
17
```

```
18 #REGION 0
19 REGIONAL m.currearea, m.talkstat, m.compstat
20
21 IF SET("TALK") = "ON"
22 SET TALK OFF
23 m.talkstat = "ON"
24 ELSE
25 m.talkstat = "OFF"
26 ENDIF
27 m.compstat = SET("COMPATIBLE")
28 SET COMPATIBLE FOXPLUS
29
30 m.currearea = SELECT()
31 IF USED("hmat")
32 SELECT hmat
33 SET ORDER TO 0
34 ELSE
35 SELECT 0
36 USE (LOCFILE("hmat.dbf","DBF","where is hmat?"));
37 AGAIN ALIAS hmat ;
38 ORDER 0
39 ENDIF
40 U = "H"
```

```
41
42
43 Window definitions
44
45
46
47
```

```
48 IF NOT WEXIST("hmlu")
49 DEFINE WINDOW hmlu ;
50 FROM INT((SCOL()-9)/2), INT((SCOL()-66)/2) ;
51 TO INT((SCOL()-9)/2)+8, INT((SCOL()-66)/2)+65 ;
52 FLOAT ;
53 NOCLOSE ;
54 SHADOW ;
55 DOUBLE ;
56 COLOR SCHEME 1
57 ENDIF
```

```
58
59
60 HMLU Setup Code - SECTION 2
61
62
63
64
65
66
```

```
67 #REGION 1
68 *SECTION 1
69 *SET UP PARAMETERS
70 m.hname="H"
71 m.value = "H"
72
73
74
75
76
77
78
79
80 #REGION 1
81 IF WISIBLE("hmlu")
82 ACTIVATE WINDOW hmlu SAME
83 ELSE
84 ACTIVATE WINDOW hmlu NOSHOW
85 ENDIF
86 @ 2,4 SAY "MATERIAL:"
87 @ 2,16 GET m.hname ;
88 SIZE 1,43 ;
89 DEFAULT "H" ;
90 PICTURE "gl" ;
91 VALID q7d01e18(
92 @ 3,17 SAY "Enter MIIN, Brand Name or '?' for Help)"
93 @ 6,25 GET m.okcan ;
94 PICTURE "g=HT \<OK;\<Cancel" ;
95 SIZE 1,8,1 ;
96 DEFAULT 2 ;
97 VALID _q7d01eub( )
98
99 IF NOT WISIBLE("hmlu")
100 ACTIVATE WINDOW hmlu
101 ENDIF
102 READ CYCLE MODAL
103
104 RELEASE WINDOW hmlu
105 SELECT (m.currearea)
106
107
108 #REGION 0
109 IF m.talkstat = "ON"
110 SET TALK ON
111 ENDIF
112 IF m.compstat = "ON"
113 SET COMPATIBLE ON
114 ENDIF
115
116
117 #REGION 1
118 *USE
119 RETURN m.value
120 *****
121 PROCEDURE get hname
122 *****
123 PARAMETER m.name
124 RELEASE MEMO LIKE hmn
125
126
127
128
129
130
131
132
```

```
hmlu Screen Layout
```

```
hmlu Cleanup Code
```

```

133 DIMENSION hmn(1)
134
135 IF LEN(m.name) = 9 AND TYPE(m.name) = "M"
136 SELECT DISTINCT ALLTRIM(hmat.hmatname) + IIF(EMPTY(hmat.mfg), " [
=> " +
137 ALLTRIM(hmat.mfg) + "] ", "")
138 FROM hmat;
139 WHERE UPPER(hmat.niin) = UPPER(m.name);
140 INTO ARRAY hmn
141
142 ELSE
143 SELECT DISTINCT ALLTRIM(hmat.hmatname) + IIF(EMPTY(hmat.mfg), " [
=> " +
144 ALLTRIM(hmat.mfg) + "] ", "")
145 FROM hmat;
146 WHERE UPPER(hmat.hmatname) = UPPER(m.name);
147 INTO ARRAY hmn
148
149 ENDIF
150
151 m.result=""
152 IF NOT EMPTY(hmn[1])
153 m.ans=chooser(ahmn,"Select a Material")
154 m.temp=ASUBSCRIPT(hmn,ASCAN(hmn,m.ans),1)
155 m.hmid = hmn[m.temp,3]
156 m.result = ALLTRIM(hmn[m.temp,2]) + U + ALLTRIM(STR(m.hmid))
157 ELSE
158 zerrmsg(m.name + " was not found",1)
159 ENDIF
160
161 *m.hname=m.ans
162 RETURN m.result

```

```

*_070001E18 m.hname VALID
Function Origin:
From Screen: hmlu, Record Number: 2
Variable: %hname
Called By: VALID Clause
Object Type: Field
Snippet Number: 1

```

```

176 FUNCTION _q7d0o1e18 && m.hname VALID
177 m.value = ""
178 IF NOT EMPTY(m.hname)
179 m.hname=ALLTRIM(m.hname)
180 m.hname=IIF(m.hname="?", "", m.hname)
181 m.value=get_hname(m.hname)
182 m.hname = cp(m.value,u,1)
183
184 ENDIF

```

```

*_070001EUB m.okcan VALID
Function Origin:
From Screen: hmlu, Record Number: 4
Variable: m.okcan
Called By: VALID Clause
Object Type: Push Button
Snippet Number: 2

```

```

197
198 *
199 *
200 FUNCTION _q7d0o1e18 && m.okcan VALID
201 #REGION 1
202 --DO CASE
203 --CASE m.okcan=1
204 --RETURN m.value
205
206 --CASE m.okcan=2
207 -- m.value=""
208 --ENDCASE
209 * : EOF: HMLU.ACT

```

```

1  *.*
2  *****
3  * Procedure file: C:\HAZMAT\GHH\WORK\HMMSDS.PRG
4  *
5  * System: Hazardous Material Life-Cycle Cost Model
6  * Author: Naval Health Research Center
7  * Copyright (c) 1993 Naval Health Research Center
8  * Last modified: 09/10/93 8:12
9  *
10 * Set by: HMENU.MPR
11 *
12 * Calls: OPENFILE() (function in HMSC.PRG)
13 * : DP.PRG
14 * : HMLU.PRG (function in HMREF.PRG)
15 * : HMVIEW()
16 *
17 * Documented 12/01/93 at 11:32 FoxDoc version 2.10f
18 * *****
19 * hmsds.prg gp 8/9/93
20 * show msds for selected product
21 *
22 * IF SET("TALK") = "ON"
23 * SET TALK OFF
24 * m.talkstat = "ON"
25 * ELSE
26 * m.talkstat = "OFF"
27 * ENDIF
28 * m.oldproc = SET("PROC")
29 * m.oldscape = SET("ESCAPE")
30 * SET ESCAPE OFF
31 * SET PROC TO hmsc.prg
32 * m.find = openfile("hmat")
33 * IF %find
34 * RETURN
35 * ENDIF
36 *
37 * m.quit = .F.
38 *
39 *****
40 * SELECT HAZARDOUS MATERIAL
41 *****
42 * DO WHILE %quit
43 * now return hname = hmid 9/7/93 gp
44 * m.hname=op(hmat, " ", 1)
45 * IF %EMPTY(m.hname)
46 * = hmview(m.hname)
47 * ELSE
48 * m.quit = .F.
49 * ENDIF
50 * ENDDO
51 *
52 * SET ESCAPE &oldscape
53 * SET TALK &talkstat
54 * IF %EMPTY(m.oldproc)
55 * SET PROC TO %oldproc
56 * ELSE
57 * SET PROC TO
58 * ENDIF
59 *
60 * RETURN
61 *
62 *
63 *
64 *

```

```

65 * Display the text to screen
66 *
67 *
68 *
69 *****
70 *
71 * Function: HMVIEW()
72 * Called by: HMREF.PRG
73 * : HMMSDS.PRG
74 *
75 * Calls: NEWLINE() (function in HMAT.SPR)
76 * : MEMOWIN.PRG
77 *
78 *
79 *****
80 * FUNCTION hmview
81 * PARAMETER name
82 *
83 * IF PARAMETER() = 0
84 * RETURN
85 * ENDIF
86 *
87 * SELECT hmat
88 * SET ORDER TO TAG hmatname
89 * GO TOP
90 * SEEK name
91 * IF FOUND()
92 * SCATTER MEMVAR MEMO
93 * m.alltext = m.msds
94 * m.title = (m.nlin) + " " + (UPPER(ALLTRIM(m.hmatname))) + " "
95 * + (UPPER(ALLTRIM(m.mfg)))
96 * * m.title = UPPER(ALLTRIM(name))
97 * = memowin(m.alltext, m.title)
98 * ENDIF
99 * RETURN
100 * *: EOF: HMMSDS.ACT

```

```

=> *****
76 *|
77 *|
78 *|
79 *|
80 *|
81 *|
82 *|
83 *|
84 *|
85 *|
86 *|
87 *|
88 *|
89 *|
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125 *|
126 *|
127 *|
128 *|
129 *|
130 *|
131 *|
132 *|
133 *|
=> *****

Function: HMVIEW()
Called by: HMREF.PRG
          : HMMSDS.PRG
Calls: NEWLINE()
       : MEMOIN.PRG
      (function in HMAT.SPR)

*****
75 FUNCTION hmview
76 PARAMETER name
77
78 IF PARAMETER() = 0
79 RETURN
80 ENDIF
81
82 SELECT hmat
83 SET ORDER TO TAG hmatname
84 GO TOP
85 SEEK name
86 IF FOUND()
87 SCATTER MEMVAR MEMO
88 n1 = CHR(10) + CHR(13)
89 m.alltext = ""
90 + n1 + m.syn_trade,"")
91 + n1 + m.syn_trade,"")
92 m.alltext = newLine(m.alltext);
93 + IIF(EMPTY(m.com_uses), "COMMONS USES"+n1+m.com_uses, "")
94 m.alltext = newLine(m.alltext);
95 + IIF(EMPTY(m.hmdescript), "DESCRIPTIONS"+n1+m.hmdescript, "")
96 m.alltext = newLine(m.alltext);
97 + IIF(EMPTY(m.chem_phy), "CHEMICAL/PHYSICAL PROPERTIES";
98 + n1 + m.chem_phy, "")
99 m.alltext = newLine(m.alltext);
100 + IIF(EMPTY(m.occ_exp), "OCCUPATIONAL EXPOSURES";
101 + n1 + m.occ_exp, "")
102 m.alltext = newLine(m.alltext);
103 + IIF(EMPTY(m.exp_limits), "EXPOSURE LIMITS";
104 + n1 + m.exp_limits, "")
105 m.alltext = newLine(m.alltext);
106 + IIF(EMPTY(m.health_haz), "HEALTH HAZARDS"+n1+m.health_haz, ""
107 m.alltext = newLine(m.alltext);
108 + IIF(EMPTY(m.med_surv), "MEDICAL SURVEILLANCE";
109 + n1 + m.med_surv, "")
110 m.alltext = newLine(m.alltext);
111 + IIF(EMPTY(m.spec_tests), "SPECIAL TESTS"+n1+m.spec_tests, "")
112 m.alltext = newLine(m.alltext);
113 + IIF(EMPTY(m.ppe_treat), "PERSONAL PROTECTIVE EQUIPMENT";
114 + n1 + m.ppe_treat, "")
115 m.alltext = newLine(m.alltext);
116 + IIF(EMPTY(m.treatment), "TREATMENTS"+n1+m.treatment, "")
117 m.title = UPPER(ALLTRIM(m.hmatname))
118 m.title = UPPER(ALLTRIM(m.hmatname))
119 = memowin(m.alltext, m.title)
120 ENDIF
121 RETURN
122 *****
123 *****
124 *****
125 *****
126 *****
127 *****
128 *****
129 *****
130 *****
131 *****
132 *****
133 *****
=> *****

```

```

1 *|
2 *|
3 *|
4 *|
5 *|
6 *|
7 *|
8 *|
9 *|
10 *|
11 *|
12 *|
13 *|
14 *|
15 *|
16 *|
17 *|
18 *|
19 *|
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75 *|
=> *****

Procedure file: C:\HAZMAT\GHM\WORK\HMREF.PRG
System: Hazardous Material Life-Cycle Cost Model
Author: Naval Health Research Center
Copyright (c) 1993, Naval Health Research Center
Last modified: 09/10/93 8:12

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=> *****

Calls: OPENFILE()
      : HMLU.PRG
      : HMVIEW()
      (function in HMSC.PRG)
      (function in HMREF.PRG)

*****
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74 *|
75 *|
=> *****

IF SEI("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.oldproc = SET("PROC")
m.oldescape = SET("ESCAPE")
SET ESCAPE OFF
SET PROC TO hmref.prg
mfind = openfile("hmat")
IF mfind
RETURN
ENDIF
m.quit = .f.

*****
* SELECT HAZARDOUS MATERIAL
*****
DO WHILE m.quit = .f.
m.hmname=hmLU()
IF EMPTY(m.hmname)
ELSE
m.quit = .f.
ENDIF
ENDDO

SET ESCAPE &oldescape
SET TALK &talkstat
IF EMPTY(m.oldproc)
SET PROC TO &oldproc
ELSE
SET PROC TO
ENDIF
RETURN
*
*
* Display the text to screen
*
*****

```

```
134 *| Function: NEWLINE()
135 *|
136 *| Called by: HMVIEW() (function in HMREF.PRG)
137 *|
138 *|*****
=> *****
132 FUNCTION newline
133 *****
134 PARAMETER TEXT
135 nl = CHR(10) + CHR(13)
136 IF EMPTY(m.text)
137   m.text = ""
138 ELSE
139   m.text = m.text + nl + nl
140 ENDIF
141 RETURN m.text
142 *: EOF: HMREF.ACT
```

```

65 DO closefile
66 RETURN
67 *****
68 *****
69 *****
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132 *****
133 *****

```

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63 *****
64 *****

```



```

67 U = ""
68 msel = SELECT()
69
70 -IF IUSED("hmiscen")
71   SELECT 0
72   USE hmiscen
73 -ELSE
74   SELECT hmiscen
75 -ENDIF
76
77 *
78 *
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80 *
81 *
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130 *
131 *
132 *

```

HMISCEN Screen Layout

```

#REGION 0
REGIONAL m.currarea, m.talkstat, m.compstat
-IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
-ELSE
  m.talkstat = "OFF"
-ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currarea = SELECT()

```

Window definitions

```

-IF NOT EXIST("w_hmiscen")
  DEFINE WINDOW w_hmiscen ;
  FROM INT((SROW()-7)/2), INT((SCOL()-66)/2) ;
  TO INT((SROW()-7)/2)+6, INT((SCOL()-66)/2)+65 ;
  TITLE "Cost Analysis" ;
  NOFLOAT ;
  NOCLOSE ;
  SHADOW ;
  DOUBLE ;
  COLOR SCHEME 1
-ENDIF

```

HMISCEN Setup Code - SECTION 2

```

#REGION 1
m.hmiscen = ""
m.hmiscenid = 0
m.driven = ""
m.mevent = 1
m.status = 1

```

```

06/27/92          HMISCEN.PRG          08:42:06
Author's Name
Copyright (c) 1992 Company Name
Address
City, Zip
Description:
This program was automatically generated by GENSCRN.

```

```

#REGION 0
REGIONAL m.currarea, m.talkstat, m.compstat
-IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
-ELSE
  m.talkstat = "OFF"
-ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currarea = SELECT()

```

```

-IF NOT EXIST("w_hmiscen")
  DEFINE WINDOW w_hmiscen ;
  FROM INT((SROW()-7)/2), INT((SCOL()-66)/2) ;
  TO INT((SROW()-7)/2)+6, INT((SCOL()-66)/2)+65 ;
  TITLE "Cost Analysis" ;
  NOFLOAT ;
  NOCLOSE ;
  SHADOW ;
  DOUBLE ;
  COLOR SCHEME 1
-ENDIF

```

```

#REGION 1
m.hmiscen = ""
m.hmiscenid = 0
m.driven = ""
m.mevent = 1
m.status = 1

```

```

133 USE
134 SELECT (msel)
135 m.ans = m.driven + u + ALLTRIM(STR(m.hmscscenid)) + u + m.hmscscen
136 RETURN m.ans
137
138 *-----
139 * This procedure will return:
140 * Scenario name (Characters) Scenario id (Numeric)
141 *-----
142 FUNCTION get_hmsc
143 PARAMETER name
144 RELEASE hmscn
145 DIMENSION hmscn[1]
146
147 name = ALLTRIM(name)
148 SELECT DISTINCT hmscscen.hmscscenname, hmscscen.hmscscenid;
149 FROM hmscscen;
150 WHERE UPPER(hmscscen.hmscscenname) IN (UPPER(name));
151 INTO ARRAY hmscn
152
153 m.ans=""
154 IF NOT EMPTY(hmscn[1])
155 m.ans=chooser(@hmscn,"Select a Material Scenario")
156 IF EMPTY(m.ans)
157 m.index=ASCAM(hmscn,m.ans)
158 m.id = hmscn[m.index + 1]
159 m.ans = ALLTRIM(m.ans) + u + ALLTRIM(STR(m.id))
160 ENDIF
161 RETURN m.ans
162
163 *-----
164
165 * This procedure show the status of option.
166 * status 1: if new entry allow for add, browse, and cancel
167 * status 2: if entry already exist allow for retrieve, delete, browse
168 =>
169
170
171
172 PROCEDURE mevent
173 PARAMETER mnev
174 IF mnev
175 SHOW GET mevent,1 enabled
176 SHOW GET mevent,2 disabled
177 SHOW GET mevent,3 disabled
178 ELSE
179 SHOW GET mevent,1 disabled
180 SHOW GET mevent,2 enabled
181 SHOW GET mevent,3 enabled
182 ENDIF
183 RETURN
184
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```

```

_mevnt VALID
Function Origin:
From Screen:
Variable:
Called By:
Object Type:
Snippet Number: 3

```

```

198
199 *
200 FUNCTION _qbk0ingjh @@ m.hmscscen VALID
201 #REGION 1
202 m.hmsc = ""
203 IF NOT EMPTY(m.hmscscen)
204 m.hmscscen=ALLTRIM(m.hmscscen)
205 m.hmscscen=IF(m.hmscscen="?", "", UPPER(m.hmscscen))
206 m.hmsc=get_hmsc(m.hmscscen)
207 ENDIF
208 IF EMPTY(m.hmsc)
209 DO mevent WITH .T.
210 ELSE
211 DO mevent WITH .F.
212 m.hmscscen = dp(m.hmsc, u, 1)
213 m.hmscscenid = VAL(dp(m.hmsc, u, 2))
214 ENDIF
215 SHOW GETS
216
217 *
218 *
219 *
220 *
221 *
222 *
223 *
224 *
225 *
226 *
227 *
228 *
229 *
230
231 FUNCTION _qbk0ingtv @@ mevent VALID
232 #REGION 1
233 IF EMPTY(m.hmscscen)
234 CURROBJ = OBJNUM(m.hmscscen)
235 =errmsg("Input required",2)
236 SHOW GETS
237 RETURN
238 ENDIF
239
240 DO CASE
241 CASE mevent = 1
242 SET ORDER TO TAG hmscscid
243 GO BOTTOM
244 m.hmscscenid = hmscscid + 1
245 m.driven = "N"
246 CLEAR READ
247 CASE mevent = 2
248 m.driven = "R"
249 CLEAR READ
250 CASE mevent = 3
251 m.driven = "D"
252 SET ORDER TO TAG hmscscid
253 GO TOP
254 SEEK m.hmscscenid
255 DELETE
256 PACK
257 CLEAR READ
258 CASE mevent = 4
259 m.hmsc = ""
260 => e

```

```

_qbk0ingtv
Function Origin:
From Screen:
Variable:
Called By:
Object Type:
Snippet Number: 4

```

```

@@ New
@@ Retri
@@ Delet
@@ Brows

```

```

261 m.hmsc = get_hmsc(m.hmsc)
262 IF EMPTY(m.hmsc)
263 DO mevent WITH .F.
264 m.hmscen = dp(m.hmsc,u,1)
265 m.hmscenid = VAL(dp(m.hmsc,u,2))
266 ENDIF
267 SHOW GETS
268
269 CASE mevent = 5
270 m.hmscenid = 0
271 m.hmscen = ""
272 m.driven = "C"
273 CLEAR READ
274 ENDIF
275 RETURN
276
277 *
278 *
279 *
280 *
281 *
282 *
283 *
284 *
285 *
286 *
287 *
288 FUNCTION _q8k0inhbv && Read Level When
289 *
290 * When Code from screen: HMSZEN
291 *
292 #REGION 1
293 DO mevent WITH .T.
294 *: EOF: HMSZEN.ACT
295

```

_q8k0inhbv	Read Level When
Function Origin:	HMSZEN
From Screen:	READ Statement
Called By:	3
Snippet Number:	

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```

08/26/93	HMSTEP.PRG	14:36:09
----------	------------	----------

Author's Name
Copyright (c) 1993 Company Name
Address
City, Zip

Description:
This program was automatically generated by GENSCRN.

```
PARAMETERS adding, scid, scname
```

HMSTEP/MS-DOS Setup Code - SECTION 1

```
#REGION 1
m.invalid = .f.
u = ""
m.adding = IIF(PARAMETER() = 0, .t., m.adding)
m.gmscid = IIF(PARAMETER() < 1, 0, m.scid)
m.gmscname = IIF(PARAMETER() < 2, "", m.scname)
m.gchange = .f.
m.quitflag = .f.
```

```
#REGION 0
REGIONAL m.curreaa, m.talkstat, m.compstat
```

```
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.curreaa = SELECT()
```

MS-DOS Window definitions

```
IF NOT EXIST("hm scen") ;
OR UPPER(WTITLE("HMSCEN")) = "HMSCEN.PJX" ;
OR UPPER(WTITLE("HMSCEN")) = "HMSCEN.SCX" ;
OR UPPER(WTITLE("HMSCEN")) = "HMSCEN.MNX" ;
OR UPPER(WTITLE("HMSCEN")) = "HMSCEN.PRG" ;
OR UPPER(WTITLE("HMSCEN")) = "HMSCEN.FRX" ;
```

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```

```
OR UPPER(WTITLE("HMSCEN")) = "HMSCEN.OPR"
DEFINE WINDOW hm scen ;
FROM INT((SROW()-16)/2),INT((SCOL()-78)/2) ;
TO INT((SROW()-16)/2)+15,INT((SCOL()-78)/2)+77 ;
TITLE "HAZARDOUS MATERIAL SCENARIO" ;
FLOAT ;
NOCLOSE ;
SHADOW ;
nomimize ;
DOUBLE ;
COLOR SCHEME 1
ENDIF
```

HMSTEP/MS-DOS Setup Code - SECTION 2

```
#REGION 1
PUSH KEY
*ON KEY LABEL ESC DO EscPressed
m.olddescape = SET("ESCAPE")
m.olddtalk = SET("talk")
m.olddsafe = SET("SAFETY")
m.olddproc = SET("PROC")
SET ESCAPE OFF
SET SAFETY OFF
SET PROCEDURE TO hm sc.prg
m.action = 1
m.step = 0
STORE "" TO m.olddhname, m.olddhmlc, m.olddhmp
STORE "" TO m.hname, m.hmlc, hmp
STORE .f. TO m.validproc
```

```
file success = openfile("hmstep")
IF file success
=errmsg("File doesn't exist !!!", 2)
DO CANCEL
ENDIF
IF !EMPTY(m.gmscid)
SELECT *
FROM hmstep
WHERE hmstep.gmscid = m.gmscid
INTO TABLE hmtemp
ENDIF
SELECT hmtemp
GO TOP
IF m.adding
SCATTER MEMVAR BLANK
m.hmstep = 1
m.hmscid = m.gmscid
m.olddrec = 0
ELSE
SCAN
m.step = m.step + 1
IF hmstep 1 = m.step
REPLACE hmstep WITH m.step
ENDIF
GO TOP
SCATTER MEMVAR
m.olddrec = RECNO()
```

HMSTEP/MS-DOS Screen Layout

```

133 _ENDIF
134 DO initvar
135 SHOW GETS
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196
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198
#REGION 1
IF WVISIBLE("hmscen")
  ACTIVATE WINDOW hmscen SAME
ELSE
  ACTIVATE WINDOW hmscen NOSHOW
ENDIF
a 4,1 SAY "Phase:" ;
  SIZE 1,6,0
a 5,1 SAY "Process:" ;
  SIZE 1,8,0
a 8,5 SAY "Number of Employees:" ;
  SIZE 1,20,0
a 9,5 SAY "Quantity of material:" ;
  SIZE 1,21,0
a 2,0 TO 10,63
a 9,33 SAY "Unit:" ;
  SIZE 1,5,0
a 0,2 SAY "Step #:" ;
  SIZE 1,6,0
a 0,44 SAY "Scenario:" ;
  SIZE 1,9,0
a 8,33 SAY "Number of days:" ;
  SIZE 1,15,0
a 3,1 SAY "Material:" ;
  SIZE 1,9,0
a 0,9 GET m.hmstep ;
  SIZE 1,4,0 ;
  DEFAULT 0 ;
  DISABLE
a 0,54 GET m.ghmscid ;
  SIZE 1,4,0 ;
  DEFAULT 0 ;
  PICTURE "a2" ;
  DISABLE
a 0,60 GET m.ghmscname ;
  SIZE 1,15,0 ;
  DEFAULT " " ;
  PICTURE "a1" ;
  DISABLE
a 2,65 GET m.action ;
  SIZE 1,10,1 ;
  DEFAULT ! ;
  VALID qipovascn() ;
  SIZE 1,4,0 ;
  DEFAULT 0 ;
  PICTURE "a2" ;
  DISABLE
a 3,17 GET m.hmcomid ;
  SIZE 1,4,0 ;
  DEFAULT 0 ;
  PICTURE "a2" ;
  DISABLE
a 3,17 GET m.hmname ;
  SIZE 1,45,0 ;
  DEFAULT " " ;

```

```

199 PICTURE "a1" ;
200 WHEN qipovasv() ;
201 VALID qipovasv() ;
202 a 4,12 GET m.hmtcid ;
203 SIZE 1,4,0 ;
204 DEFAULT 0 ;
205 DISABLE
206 PICTURE "a2" ;
207 a 4,17 GET m.hmlc ;
208 SIZE 1,45,0 ;
209 DEFAULT " " ;
210 PICTURE "a1" ;
211 WHEN qipovatg() ;
212 VALID qipovatgx() ;
213 a 5,12 GET m.hmpid ;
214 SIZE 1,4,0 ;
215 DEFAULT 0 ;
216 PICTURE "a2" ;
217 DISABLE
218 a 5,17 GET m.hmmp ;
219 SIZE 2,45,0 ;
220 DEFAULT " " ;
221 PICTURE "a1" ;
222 WHEN qipovatui() ;
223 VALID qipovatlc() ;
224 a 8,27 GET m.pernum ;
225 SIZE 1,3,0 ;
226 DEFAULT 0 ;
227 a 8,49 GET m.durnum ;
228 SIZE 1,9,0 ;
229 DEFAULT 0 ;
230 a 9,27 GET m.qtnum ;
231 SIZE 1,3,0 ;
232 DEFAULT 0 ;
233 a 9,39 GET m.unit ;
234 SIZE 1,19,0 ;
235 DEFAULT " " ;
236 a 12,26 GET m.save ;
237 PICTURE "a*HN \<Save;\<Cancel" ;
238 SIZE 1,8,1 ;
239 DEFAULT ! ;
240 VALID qipovatwz()
241
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256
257
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259
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261
262
263
264
IF NOT WVISIBLE("hmscen")
  ACTIVATE WINDOW hmscen
ENDIF
READ CYCLE ;
  WHEN qipovaud2()
RELEASE WINDOW hmscen
SELECT (m.curarea)
#REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compstat = "ON"
  SET COMPATIBLE ON
ENDIF
*
*
*

```

```

265 *
266 *
267 *
268 #REGION 1
269 POP KEY ALL
270 SET ESCAPE &oldescape
271 SET SAFETY &oldsafe
272 RETURN m.quitflag
273 ***** End of Main Body - Entry Cleanup
274
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```

```

*****
m.oldexect = SET( "EXACT" )
SET EXACT ON
m.change =(hmttemp.hmcomid <> m.hmcomid;
OR hmttemp.hmlcid <> m.hmlcid;
OR hmttemp.hmwpid <> m.hmwpid;
OR hmttemp.durnum <> m.durnum;
OR hmttemp.qtytnum <> m.qtytnum;
OR hmttemp.pernum <> m.pernum;
OR UPPER(ALLTRIM(hmttemp.unit)) <> UPPER(ALLTRIM(m.unit)))
RETURN m.change
*****
FUNCTION get_hmat
*****
PARAMETER name
RELEASE hmt
DIMENSION hmt[1]
hmt[1]=" "
m.oldfile=SELECT()
SELECT hmcom,common, hmcom.hmcomid;
FROM hmcom;
WHERE hmcom.common IN (ALLTRIM(m.name));
INTO ARRAY hmt
m.ans=" "
IF NOT EMPTY(hmt[1])
m.ans=chooser(ahmt,"Select a Material")
-IF !EMPTY(m.ans)
m.index = ASCAN(hmt,m.ans)
m.id = hmt[m.index + 1]
m.ans = m.ans + u + STR(m.id)
-ENDIF
ELSE
=errmsg(m.name + " was not found",1)
m.ans=" "
-ENDIF
SELECT (m.oldfile)
RETURN m.ans
*****
FUNCTION get_hmatn
*****
PARAMETER m.id
SELECT hmcom,common;
FROM hmcom;
WHERE hmcom.hmcomid = m.id;
INTO ARRAY X
m.name=X[1]
RETURN m.name
*****
*GET LIFE CYCLE PHASE
FUNCTION get_hmlc
*****
PARAMETER m.hmlc
RELEASE hmt
DIMENSION hmt[1]
hmt[1]=" "

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```

*****
m.oldexect = SET( "EXACT" )
SET EXACT ON
m.change =(hmttemp.hmcomid <> m.hmcomid;
OR hmttemp.hmlcid <> m.hmlcid;
OR hmttemp.hmwpid <> m.hmwpid;
OR hmttemp.durnum <> m.durnum;
OR hmttemp.qtytnum <> m.qtytnum;
OR hmttemp.pernum <> m.pernum;
OR UPPER(ALLTRIM(hmttemp.unit)) <> UPPER(ALLTRIM(m.unit)))
RETURN m.change
*****
FUNCTION get_hmat
*****
PARAMETER name
RELEASE hmt
DIMENSION hmt[1]
hmt[1]=" "
m.oldfile=SELECT()
SELECT hmcom,common, hmcom.hmcomid;
FROM hmcom;
WHERE hmcom.common IN (ALLTRIM(m.name));
INTO ARRAY hmt
m.ans=" "
IF NOT EMPTY(hmt[1])
m.ans=chooser(ahmt,"Select a Material")
-IF !EMPTY(m.ans)
m.index = ASCAN(hmt,m.ans)
m.id = hmt[m.index + 1]
m.ans = m.ans + u + STR(m.id)
-ENDIF
ELSE
=errmsg(m.name + " was not found",1)
m.ans=" "
-ENDIF
SELECT (m.oldfile)
RETURN m.ans
*****
FUNCTION get_hmatn
*****
PARAMETER m.id
SELECT hmcom,common;
FROM hmcom;
WHERE hmcom.hmcomid = m.id;
INTO ARRAY X
m.name=X[1]
RETURN m.name
*****
*GET LIFE CYCLE PHASE
FUNCTION get_hmlc
*****
PARAMETER m.hmlc
RELEASE hmt
DIMENSION hmt[1]
hmt[1]=" "

```

```

397 m.oldfile=SELECT()
398
399 SELECT hmlc.hmlc, hmlc.hmlcid;
400 FROM hmlc;
401 WHERE hmlc.hmlc IN (ALLTRIM(m.hmlc));
402 ORDER BY hmlcid;
403 INTO ARRAY hmn
404
405 m.ans=""
406
407 IF NOT EMPTY(hmn[1])
408   m.ans=chooser(@hmn,"Select a Life Cycle Phase")
409   IF EMPTY(m.ans)
410     m.index = ASCAN(hmn,m.ans)
411     m.id = hmn[m.index + 1]
412     m.ans = m.ans + u + STR(m.id)
413   ENDIF
414 ELSE
415   =errmsg(m.hmlc + " was not found",1)
416 ENDIF
417
418 SELECT (m.oldfile)
419 RETURN m.ans
420
421 *****
422 FUNCTION get hmlcn
423 *****
424 PARAMETER m.id
425
426 SELECT hmlc.hmlc;
427 FROM hmlc;
428 WHERE hmlc.hmlcid = m.id;
429 INTO ARRAY X
430
431 m.name=X[1]
432 RETURN m.name
433
434 *****
435 *Working Processes
436 FUNCTION get hmwp
437 *****
438 PARAMETER m.match
439 RELEASE hmn
440 DIMENSION hmn[1]
441 hmn[1]="
442 m.oldfile=SELECT()
443 m.match = UPPER(ALLTRIM(m.match))
444 SELECT hmwp.hmwp, hmwp.hmwpid;
445 FROM hmwp;
446 WHERE UPPER(hmwp.hmwp) IN (ALLTRIM(m.match));
447 INTO ARRAY hmn
448
449 m.ans=""
450 IF NOT EMPTY(hmn[1])
451   m.ans=chooser(@hmn,"Select a Process")
452   IF EMPTY(m.ans)
453     m.index = ASCAN(hmn,m.ans)
454     m.id = hmn[m.index + 1]
455     m.ans = m.ans + u + STR(m.id)
456   ENDIF
457 ELSE
458   =errmsg(m.hmwp + " was not found",1)
459 ENDIF
460
461 SELECT (m.oldfile)
462 RETURN m.ans

```

```

463 *****
464 FUNCTION get hmwpn
465 *****
466 PARAMETER m.id
467
468 SELECT hmwp.hmwp;
469 FROM hmwp;
470 WHERE hmwp.hmwpid = m.id;
471 INTO ARRAY X
472
473 m.name=X[1]
474 RETURN m.name
475
476 *****
477 PROCEDURE get hmunit
478 *****
479 PRIVATE m.unit
480 m.unit = ""
481 IF EMPTY(m.hmcomid) AND EMPTY(m.hmlcid) AND EMPTY(m.hmwpid)
482   DIMENSION X[1]
483   X[1]=""
484   SELECT hmtab.tabid, hmtab.hmunit;
485 FROM hmtab;
486 WHERE hmtab.hmcomid = m.hmcomid;
487 AND hmtab.hmlcid = m.hmlcid;
488 AND hmtab.hmwpid = m.hmwpid;
489 INTO ARRAY X
490
491 IF EMPTY(X[1])
492   FOR i = 1 TO ALEN(X) STEP 2
493     m.unit = X[i+ 1]
494     IF EMPTY(m.unit)
495       EXIT
496     ENDIF
497   ENDFOR
498   m.validproc = .T.
499   SHOW GETS
500 ELSE
501   =errmsg("This Material Processing isn't defined in the table")
502   m.validproc = .F.
503 ENDIF
504 RETURN m.unit
505
506 *****
507 PROCEDURE scsave
508 *****
509 msel = SELECT()
510 SELECT hmstep
511 IF schange
512   SET ORDER TO TAG hmstep
513   DELETE FOR hmstep = m.gmstep
514   PACK
515   APPEND FROM hmtemp
516   USE hmstep
517   SET ORDER TO TAG hmstep
518   IF !SEEK(m.gmstep)
519     REPLACE hmstep WITH m.gmstep
520     REPLACE hmstepname WITH m.gmstepname
521   ENDIF
522 ENDIF
523 FUNCTION datacheck
524 *****
525
526 *****
527
528 *****

```

```

529 DO CASE
530   CASE EMPTY(m.hmcomid)
531     = errmsg("Missing Material",1)
532     CUROBJ = OBJNUM(hmname)
533     check = .F.
534   CASE EMPTY(m.hmlcid)
535     = errmsg("Missing Life Cycle Phase",1)
536     CUROBJ = OBJNUM(hmlc)
537     check = .F.
538   CASE EMPTY(m.hmpid)
539     = errmsg("Missing Working Process",1)
540     CUROBJ = OBJNUM(hmwp)
541     check = .F.
542   CASE EMPTY(m.pernum) AND EMPTY(m.durnum) AND EMPTY(m.qtnum)
543     = errmsg("Enter either number of People, Duration, or Quantity",1)
544     CUROBJ = OBJNUM(pernum)
545     check = .F.
546   OTHERWISE
547     =get_hmunit()
548   IF !m.validproc
549     CUROBJ = OBJNUM(hmname)
550     check = .F.
551   ELSE
552     check = .T.
553   ENDIF
554 ENDCASE
555 RETURN check
556
557 *
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569 *
570 *
571 FUNCTION qipovascn    && m.Action VALID
572 #REGION 1_
573   m.prevhmcomid = m.hmcomid
574   m.prevhmlcid = m.hmlcid
575   m.oldrec = IIF(RECCOUNT() = 0, 0, RECCOUNT())
576 DO CASE
577   CASE m.action = 1
578     msamephase = yesno("Same Phase?", "Yes", "No")
579     SCATTER MENVAR BLANK
580     m.hmstep = RECCOUNT() + 1
581   IF msamephase
582     m.hmcomid = m.prevhmcomid
583     m.hmlcid = m.prevhmlcid
584     CUROBJ = OBJNUM(m.hmwp)
585   ELSE
586     CUROBJ = OBJNUM(m.hmname)
587   ENDIF
588 DO initvar
589 SHOW GETS
590 DO adoption
591 m.adding = .T.
592
593 CASE m.action = 2
594 validproc = .T.

```

```

_QIPOVASCN    m.Action VALID
Function Origin:
From Platform:    MS-DOS
From Screen:      HMSTEP,
Variable:          m.hmlcid
Called By:        VALID Clause
Snippet Number:   1

```

```

595 DO adoption
596 CASE m.action = 3
597 SKIP
598   IF EOF()
599     ?? CHR(7)
600     WAIT "Last step" WINDOW NOWAIT
601     GO BOTTOM
602   ENDIF
603
604 CASE m.action = 4
605 SKIP -1
606   IF BOF()
607     ?? CHR(7)
608     WAIT "First step" WINDOW NOWAIT
609     GO TOP
610   ENDIF
611
612 CASE m.action = 5
613   IF m.gchange
614     m.scsave = yesno("Save Scenario?", "YES", "NO")
615     IF m.scsave
616       DO ssave
617     ELSE
618       DO ssave
619     ENDIF
620   CLEAR READ
621 ENDCASE
622
623 IF m.action > 2 AND m.action < 5
624   m.oldrec = RECCOUNT()
625   SCATTER MENVAR
626   DO initvar
627   SHOW GETS disabled
628   SHOW GET action enabled
629 ENDIF
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```

```

_QIPOVASVS    m.hmname WHEN
Function Origin:
From Platform:    MS-DOS
From Screen:      HMSTEP,
Variable:          m.hmname
Called By:        WHEN Clause
Snippet Number:   2

```

```

FUNCTION qipovasvs    && m.hmname WHEN
#REGION 1_
m.oldhmname = m.hmname

```

```

_QIPOVASYA    m.hmname VALID
Function Origin:
From Platform:    MS-DOS
From Screen:      HMSTEP,
Variable:          m.hmname

```


Called By: VALID Clause
Snippet Number: 3

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```

```

FUNCTION _qipovatsy && m.hname VALID
#REGION 1
IF m.olchname <> m.hname
m.hname=ALLTRIM(m.hname)
m.hname=IF(m.hname="?", "", UPPER(m.hname))
m.hdata=ALLTRIM(get_hmat(m.hname))
IF NOT EMPTY(m.hdata)
ELSE
m.hname = dp(m.hdata,u,1)
m.hcomid = VAL(dp(m.hdata,u,2))
m.hname = SPACE(46)
ENDIF
SHOW GETS
m.tl = get_hunit()
IF EMPTY(m.tl)
ENDIF
ENDIF
SHOW GETS
ENDIF

```

```

*_qipovattg m.hmlc WHEN
Function Origin:
From Platform: MS-DOS
From Screen: HMSTEP,
Variable: m.hmlc,
Called By: WHEN Clause
Snippet Number: 4

```

```

*_qipovatt9 && m.hmlc WHEN
#REGION 1
m.olchmlc=m.hmlc
Function Origin:
From Platform: MS-DOS
From Screen: HMSTEP,
Variable: m.hmlc,
Called By: VALID Clause
Snippet Number: 5

```

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726 *

```

```

FUNCTION _qipovatt9x && m.hmlc VALID
#REGION 1
IF m.olchmlc <> m.hmlc
m.hmlc=ALLTRIM(m.hmlc)
m.hmlc=IF(m.hmlc="?", "", UPPER(m.hmlc))

```

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```

```

m.hdata=get_hmlc(m.hmlc)
IF NOT EMPTY(m.hdata)
m.hmlc = dp(m.hdata,u,1)
m.hmlcid = VAL(dp(m.hdata,u,2))
ELSE
m.hmlc = SPACE(46)
ENDIF
SHOW GETS
m.tl = get_hunit()
IF EMPTY(m.tl)
ENDIF
ENDIF
SHOW GETS
ENDIF

```

```

*_qipovattiu m.hmmp WHEN
Function Origin:
From Platform: MS-DOS
From Screen: HMSTEP,
Variable: m.hmmp,
Called By: WHEN Clause
Snippet Number: 6

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```

FUNCTION _qipovattiu && m.hmmp WHEN
#REGION 1
m.olchmmp=m.hmmp

```

```

*_qipovattlc m.hmmp VALID
Function Origin:
From Platform: MS-DOS
From Screen: HMSTEP,
Variable: m.hmmp,
Called By: VALID Clause
Snippet Number: 7

```

```

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```

```

FUNCTION _qipovattlc && m.hmmp VALID
#REGION 1
IF m.olchmmp <> m.hmmp
m.hmmp=ALLTRIM(m.hmmp)
m.hmmp=IF(m.hmmp="?", "", UPPER(m.hmmp))
m.hdata=ALLTRIM(get_hmmp(m.hmmp))
IF NOT EMPTY(m.hdata)
m.hmmp = dp(m.hdata,u,1)
m.hmmpid = VAL(dp(m.hdata,u,2))
ELSE
m.hmmp = SPACE(80)
ENDIF
SHOW GETS
m.tl = get_hunit()
IF EMPTY(m.tl)
ENDIF
ENDIF

```

```

793 _ENDIF
794 SHOW GETS
795 _ENDIF
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```

_QIPOVATVZ      m.Save VALID
Function Origin:
From Platform:  MS-DOS
From Screen:    HMSTEP, Record Number: 26
Variable:       m.Save, VALID Clause
Called By:      8
Snippet Number: 8

```

```

FUNCTION _qipvatvz  && m.Save VALID
#REGION 1
DO CASE
CASE m.save = 1 && Selected Save Button
m.check = datacheck()
IF m.check
m.hmscid = m.ghmscid
IF m.adding && Adding a new record
APPEND BLANK
GATHER MEMVAR
m.gchange = .T.
ELSE
DO CHANGE
IF m.change && Changing an old record
GATHER MEMVAR
m.gchange = .T.
ENDIF
ENDIF
m.oldrec = RECHO()
ELSE
RETURN
ENDIF
CASE m.save = 2
IF RECCOUNT() = 0
QUIT = .F.
IF EMPTY(m.hname) AND EMPTY(m.hlrc) AND EMPTY(hmwp)
QUIT = yesno("Do you want to", "Quit", "Continue")
ENDIF
IF QUIT
m.quitflag = .T.
CLEAR READ
ELSE
SCATTER MEMVAR BLANK
DO initvar
SHOW GETS
DO adoption
m.adding = .T.
m.change = .F.
m.quitflag = .F.
RETURN
ENDIF
ENDIF
ENDCASE
IF EMPTY(m.oldrec)
GO m.oldrec
SCATTER MEMVAR
ENDIF

```

```

859 DO initvar
860 SHOW GETS disabled
861 SHOW GET action enabled
862
863 m.adding = .F.
864 m.change = .F.
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_QIPOVAUD2      Read Level When
Function Origin:
From Platform:  MS-DOS
From Screen:    HMSTEP
Called By:      READ Statement
Snippet Number: 9

```

```

FUNCTION _qip0vaud2  && Read Level When
* When Code from screen: HMSTEP
*
#REGION 1
IF m.adding = 1
m.action = 1
SHOW GETS DISABLE
SHOW GET action enabled
ENDIF
*: EOF: HMSTEP.ACT

```

```

1  *:*:*****
=> *:*:*****
2  *:*: Procedure file: C:\HAZMAT\GHH\WORK\HMZTAB.PRG
3  *:*:
4  *:*:
5  *:*: System: Hazardous Material Life-Cycle Cost Model
6  *:*: Author: Naval Health Research Center
7  *:*: Copyright (c) 1993, Naval Health Research Center
8  *:*: Last modified: 09/10/93 8:12
9  *:*:
10 *:*: Set by: HMENU.MPR
11 *:*:
12 *:*: Uses: TLV.DBF
13 *:*:
14 *:*: CDX files: TLV.CDX
15 *:*:
16 *:*: Documented 12/01/93 at 11:32 FoxDoc version 2.10f
17 *:*:*****
=> *:*:*****
18 *:*: * hmztab-prg gp 8/9/93
19 *:*: * OSHA 2 table look up from tlv table from Smallett
20 USE tlv
21 BROWSE FIELDS substance, cas_no:H='CAS Number',pe_l_twa:H='TWA (mg/m3)
=> " ,/ ;
22 USE
23 *:*: EOF: HMZTAB.ACT
24

```

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```

08/28/92	MEMOEDIT.PRG	10:02:45
----------	--------------	----------

Hoa L. Ly

Copyright (c) 1992 Naval Health Research Center
P..Box 85122
San Diego, CA 92186-5122

Description:
This program was automatically generated by GENSCRN.

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```

MEMOEDIT Setup Code - SECTION 1

```

```

#REGION 1
m.oldtext = m.text
IF editallow
  m.title = m.title + " [Edit]"
ELSE
  m.title = m.title + " [No Edit]"
ENDIF

```

```

MEMOEDIT Setup Code - SECTION 1

```

```

#REGION 1
PARAMETER TEXT, TITLE, editallow
PRIVATE ALL
DO CASE
CASE PARAMETER() = 0
  m.text = ""
  m.title = ""
  m.editallow = ""
CASE PARAMETER() = 1
  m.title = ""
  m.editallow = .T.
CASE PARAMETER() = 2
  m.editallow = .T.
  m.title = ""
ENDCASE

```

```

MEMOEDIT Screen Layout

```

```

#REGION 1
IF WVISIBLE("memoedit")
  ACTIVATE WINDOW memoedit SAME
ELSE
  ACTIVATE WINDOW memoedit NOSHOW
ENDIF
@ 0,5 GET m.title ;
SIZE 1,65 ;
DEFAULT " " ;
PICTURE "9I" ;
DISABLE
IF editallow
  @ 2,1 EDIT m.text ;
SIZE 14,74,0 ;
DEFAULT " " ;
TAB ;
SCROLL
ELSE
  @ 2,1 EDIT m.text ;
SIZE 14,74,0 ;
DEFAULT " " ;
TAB ;
NOWORDIFY ;
SCROLL
ENDIF

```

```

#REGION 0
REGIONAL m.currearea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currearea = SELECT()

```

```

Window definitions

```

```

IF NOT WEXIST("memoedit")
  DEFINE WINDOW memoedit ;
  FROM INT((SRW()-20)/2), INT((SCOL()-77)/2) ;
  TO INT((SRW()-20)/2)+19, INT((SCOL()-77)/2)+76 ;
MEMOEDIT.ACT 12-1-93 11:32a

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```

RELEASE WINDOW memoeedit
SELECT (m.currarea)

#REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compstat = "ON"
  SET COMPATIBLE ON
ENDIF

```

```

MEMOEDIT Cleanup Code

```

```

#REGION 1
RETURN m.text

```

```

_08L0LJ6F0      m.save VALID
Function Origin:
From Screen:      MEMOEDIT,      Record Number: 4
Variable:         m.save
Called By:        VALID Clause
Object Type:      Push Button
Snippet Number:   1

```

```

FUNCTION _08L0LJ6F0  && m.save VALID
#REGION 1
IF m.save = 2
  m.text = m.oldtext
ENDIF

```

```

*: EOF: MEMOEDIT.ACT

```

```

IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currearea = SELECT()
*****
* *
* * MS-DOS Window definitions
* *
*****
IF NOT WEXIST("memowin") ;
OR UPPER(UTITLE("MEMOWIN")) = "MEMOWIN.PJK" ;
OR UPPER(UTITLE("MEMOWIN")) = "MEMOWIN.SCK" ;
OR UPPER(UTITLE("MEMOWIN")) = "MEMOWIN.MHX" ;
OR UPPER(UTITLE("MEMOWIN")) = "MEMOWIN.PRG" ;
OR UPPER(UTITLE("MEMOWIN")) = "MEMOWIN.FBX" ;
OR UPPER(UTITLE("MEMOWIN")) = "MEMOWIN.GPR" ;
DEFINE WINDOW memowin ;
FROM INT((SROW()-26)/2),INT((SCOL()-80)/2) ;
TO INT((SROW()-26)/2)+25,INT((SCOL()-80)/2)+79 ;
NOFLOW ;
NOCLOSE ;
SHADOW ;
nominimize ;
NONE ;
COLOR, SCHEME 1
ENDIF
*****
* *
* * MEMOWIN/MS-DOS Screen Layout
* *
*****
#REGION 1
IF WISIBLE("memowin")
ACTIVATE WINDOW memowin SAME
ELSE
ACTIVATE WINDOW memowin NOSHOW
ENDIF
@ 1,2 GET m.title ;
SIZE 1,74 ;
DEFAULT " " ;
PICTURE "a1" ;
DISABLE
@ 2,2 EDIT m.text ;
SIZE 20,77,0 ;
DEFAULT " " ;
SCROLL ;
MODIFY
@ 23,26 GET m.save ;
PICTURE "a=HT \<Print;\<Another;\<Quit" ;
SIZE 1,9,1 ;
DEFAULT 1 ;
VALID _qig0ixoxd()

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```

*****
1 * : Procedure file: C:\HAZMAT\GHW\WORK\MEMOWIN.PRG
2 * :
3 * : System: Hazardous Material Life-Cycle Cost Model
4 * : Author: Naval Health Research Center
5 * : Copyright (c) 1993, Naval Health Research Center
6 * : Last modified: 08/17/93 8:54
7 * :
8 * : Procs & Frcts: _QIG0IXOXD()
9 * : : _QIG0IXPJQ()
10 * :
11 * : Set by: HMVIEW() (function in HMREF.PRG)
12 * :
13 * : Calls: _QIG0IXOXD() (function in MEMOWIN.PRG)
14 * : : _QIG0IXPJQ() (function in MEMOWIN.PRG)
15 * :
16 * : Documented 12/01/93 at 11:32 FoxDoc version 2.10f
17 * : *****
18 * :
19 * : *****
20 * :
21 * : * 08/17/93 MEMOWIN.SPR 08:50:04
22 * :
23 * :
24 * :
25 * : * G. Pang
26 * :
27 * : * Copyright (c) 1993 Company Name
28 * : * Address
29 * : * City, Zip
30 * :
31 * : * Description:
32 * : * This program was automatically generated by GENSCRN.
33 * :
34 * : *****
35 * :
36 * :
37 * : PARAMETERS TEXT, TITLE
38 * :
39 * : DO CASE
40 * : CASE _dos
41 * :
42 * :
43 * :
44 * : * MEMOWIN/MS-DOS Setup Code - SECTION 1
45 * :
46 * :
47 * :
48 * :
49 * : #REGION 1
50 * : * PRIVATE all
51 * : CLEAR
52 * : CASE PARAMETER() = 0
53 * : m.title = ""
54 * : m.text = ""
55 * : CASE PARAMETER() = 1
56 * : m.title = ""
57 * : ENDCASE
58 * :
59 * : #REGION 0
60 * : REGIONAL m.currearea, m.talkstat, m.compstat
61 * :
62 * :
63 * :
64 * :

```

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```

```

*****
*_QIG0IXPJO          m.save VALID
*****
Function Origin:
From Platform:      Windows
From Screen:       MEMOWIN,
Variable:           m.save
Called By:          VALID Clause
Snippet Number:    2
*****
Function: _QIG0IXPJO()
Called by: MEMOWIN.PRG
Calls: W_PRINT.SPR
*****
FUNCTION _qig0ixpjo  && m.save VALID
#REGION 1
IF m.save = 1      && Print
DO W_print.spr WITH m.text
m.quit = .F.
ENDIF
IF m.save = 2      && Another
m.quit = .F.
ENDIF
IF m.save = 3      && Quit
m.quit = .T.
ENDIF
*: EOF: MEMOWIN.ACT

```

```

263 READ CYCLE
264
265 RELEASE WINDOW memowin
266 SELECT (m.currearea)
267
268
269 #REGION 0
270 IF m.talkstat = "ON"
271 SET TALK ON
272 ENDIF
273 IF m.compstat = "ON"
274 SET COMPATIBLE ON
275 ENDIF
276
277 *****
278 *
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324 *
325 *
326 *

```

```

*****
MEMOWIN/Windows Cleanup Code
*****
#REGION 1
RETURN
ENDCASE
*****
*_QIG0IXOXD          m.save VALID
*****
Function Origin:
From Platform:      MS-DOS
From Screen:       MEMOWIN,
Variable:           m.save
Called By:          VALID Clause
Snippet Number:    1
*****
Function: _QIG0IXOXD()
Called by: MEMOWIN.PRG
Calls: W_PRINT.SPR
*****
FUNCTION _qig0ixoxd  && m.save VALID
#REGION 1
IF m.save = 1      && Print
DO W_print.spr WITH m.text
RETURN m.save
ENDIF
IF m.save = 2      && Another
RETURN m.save
ENDIF
IF m.save = 3      && Quit
RETURN m.save
ENDIF

```

```

327 *****
328 *
329 *
330 *
331 *
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362 *
363 *

```



```

1  * *****
2  * *****
3  * Procedure file: C:\HAZMAT\GHM\WORK\YESNO.PRG
4  *
5  * System: Hazardous Material Life-Cycle Cost Model
6  * Author: Naval Health Research Center
7  * Copyright (c) 1993, Naval Health Research Center
8  * Last modified: 09/10/93 8:12
9  *
10 * Set by: HMSC.PRG
11 * : _GIPOVASCNC( (function in HMSTEP.PRG)
12 * : _GIPOVATMZ( (function in HMSTEP.PRG)
13 *
14 * Calls: ERRMSG.PRG
15 *
16 * Documented 12/01/93 at 11:32 FoxDoc version 2.10f
17 * *****
18 * *****
19 * * YESNO.PRG 22:21:11 *
20 * *
21 * *****
22 * *
23 * * Description:
24 * * This program was automatically generated by GENSCRN.
25 * *
26 * *
27 * *
28 * *
29 * *
30 * *
31 * * YESNO Setup Code - SECTION 1
32 * *
33 * *
34 * *
35 * *
36 * *
37 * *
38 * * #REGION 1
39 * *
40 * * PARAMETERS MESSAGE, ok, CANCEL
41 * * PRIVATE ALL
42 * *
43 * * ON ERROR DO errmsg WITH MESSAGE( )
44 * *
45 * * * If no message is sent then create message
46 * *
47 * * [IF PARAMETERS]=0
48 * * m.message="Is this correct?"
49 * * ]
50 * * ]
51 * *
52 * * * Ok and Cancel are used for prompts in the push buttons
53 * * [IF PARAMETERS() < 3
54 * * * Default to normal prompts
55 * * m.ok = "OK"
56 * * m.cancel = "Cancel"
57 * * ]
58 * *
59 * * * Truncate any message longer than 50 characters
60 * * MESSAGE=IF(TYPE("m.message")="C", "", m.message)
61 * * IF LEN( m.message ) > 50
62 * * * The message is centered in an aSAY
63 * * m.message = SUBSTR( m.message, 1, 50 )
64 * * ]

```

```

65 m.message=UPPER(m.message)
66 m.ok=UPPER(m.ok)
67 m.cancel=UPPER(m.cancel)
68
69 PUSH KEY CLEAR
70
71 #REGION 0
72 REGIONAL m.curraarea, m.talkstat, m.compstat
73
74 m.talkstat=SET("TALK")
75 SET TALK OFF
76
77 m.compstat = SET("COMPATIBLE")
78 SET COMPATIBLE FOXPLUS
79
80 * *****
81 * * Window definitions
82 * *
83 * *
84 * *
85 * *
86 * *
87 * *
88 * * [IF NOT MEXIST("yesno")
89 * * FROM INT((SROM()-7)/2),INT((SCOL()-48)/2) i
90 * * TO INT((SROM()-7)/2)+6,INT((SCOL()-48)/2)+47 ;
91 * * FLOAT ;
92 * * SHADOW ;
93 * * DOUBLE ;
94 * * COLOR SCHEME 5
95 * * ]
96 * * ]
97 * *
98 * * *****
99 * * YESNO Screen Layout
100 * *
101 * *
102 * *
103 * *
104 * *
105 * *
106 * * #REGION 1
107 * * [IF WISIBLE("yesno")
108 * * ACTIVATE WINDOW yesno SAME
109 * * ]
110 * * ]
111 * * ]
112 * * ]
113 * * ]
114 * * ]
115 * * ]
116 * * ]
117 * * ]
118 * * ]
119 * * ]
120 * * ]
121 * * ]
122 * * ]
123 * * ]
124 * * ]
125 * * ]
126 * * ]
127 * * ]
128 * * ]
129 * * ]
130 * * ]

```

```

131 ELSE
132 SET TALK OFF
133 ENDIF
134
135 IF m.compstat = "ON"
136 SET COMPATIBLE ON
137 ENDIF
138
139 * *****
140 * *
141 * *
142 * *
143 * *
144 * *
145 * *
146 #REGION 1
147 POP KEY
148
149 * Convert the numeric value of m.Answer from 1|2 to .T.|.F.
150 * If the user selected OK and didn't exit with Escape
151 * IF m.answer = 1 AND LASTKEY() <> 27
152 RETURN .T.
153
154 ELSE * Cancel or Escape returns false
155 RETURN .F.
156 ENDIF
157 * : EOF: YESNO.ACT
158

```

```

10/27/93      BROWSWIN.SPR      14:49:62
-----
Author's Name
Copyright (c) 1993 Company Name
Address
City,      Zip
Description:
This program was automatically generated by GENSCRN.

```

```

#REGION 0
REGIONAL m.currea, m.talkstat, m.compstat

```

```

IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "Off"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

```

MS-DOS Window definitions

```

```

IF NOT WEXIST("browsewin") ;
OR UPPER(WTITLE("BROWSEWIN")) == "BROWSEWIN.PJX" ;
OR UPPER(WTITLE("BROWSEWIN")) == "BROWSEWIN.SCX" ;
OR UPPER(WTITLE("BROWSEWIN")) == "BROWSEWIN.MNX" ;
OR UPPER(WTITLE("BROWSEWIN")) == "BROWSEWIN.PRG" ;
OR UPPER(WTITLE("BROWSEWIN")) == "BROWSEWIN.FRX" ;
OR UPPER(WTITLE("BROWSEWIN")) == "BROWSEWIN.QPR" ;
DEFINE WINDOW browsewin ;
FROM INT((SRON()-21)/2),INT((SCOL()-80)/2) ;
TO INT((SRON()-21)/2)*20,INT((SCOL()-80)/2)+79 ;
FLOAT ;
NOCLOSE ;
SHADOW ;
nominimize ;
SYSTEM ;
COLOR SCHEME 1
ENDIF

```

```

BROWSWIN/MS-DOS Screen Layout

```

```

#REGION 1
IF WVISIBLE("browsewin")
ACTIVATE WINDOW browsewin SAME

```

```

67 ELSE ACTIVATE WINDOW browsewin NOSHOW
68 ENDIF
69
70
71 IF NOT WVISIBLE("browsewin")
72 ACTIVATE WINDOW browsewin
73 ENDIF
74
75 READ CYCLE
76
77 RELEASE WINDOW browsewin
78
79 #REGION 0
80 IF m.talkstat = "ON"
81 SET TALK ON
82 ENDIF
83 IF m.compstat = "ON"
84 SET COMPATIBLE ON
85 ENDIF
86 *: EOF: BROWSWIN.AC1

```

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66 *

```

10/27/93 HMAT.SPR 14:48:51

Author's Name
Copyright (c) 1993 Company Name
Address
City, Zip
Description:
This program was automatically generated by GENSCREEN.

```

#REGION 0
REGIONAL m.curraera, m.talkstat, m.compstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

MS-DOS window definitions

```

IF NOT VEXIST("hmat") ;
OR UPPER(WTITLE("HMAT")) = "HMAT.PJX" ;
OR UPPER(WTITLE("HMAT")) = "HMAT.SCX" ;
OR UPPER(WTITLE("HMAT")) = "HMAT.MNX" ;
OR UPPER(WTITLE("HMAT")) = "HMAT.PRG" ;
OR UPPER(WTITLE("HMAT")) = "HMAT.FRX" ;
OR UPPER(WTITLE("HMAT")) = "HMAT.QPR" ;
DEFINE WINDOW hmat ;
FROM INT((SROW()-21)/2), INT((SCOL()-80)/2) ;
TO INT((SROW()-21)/2)+20, INT((SCOL()-80)/2)+79 ;
TITLE "HAZARDOUS MATERIALS" ;
NOFLOAT ;
NOCLOSE ;
SHADOW ;
NONMINIMIZE ;
DOUBLE ;
COLOR SCHEME 1
ENDIF

```

HMAT/MS-DOS Setup Code - SECTION 2

```

#REGION 1
PUSH KEY

```

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131 *
132 *

```

* ON KEY LABEL ESC DO EscPrsed
m.oldescape = SET("ESCAPE")
SET ESCAPE OFF
m.adding = .f.
m.change = .f.
*allowedit = .f.

```

IF USED('hmat')
SELECT hmat
SET ORDER TO TAG hmatid
ELSE
USE hmat AGAIN ORDER TAG hmatid
ENDIF
*****
* Check see if the last record is defined
IF TYPE("m.LastRec") = "U"
* Start with the first record
GO TOP
m.lastrec = RECNO()
ELSE
* Start on the last record used
GO m.lastrec
ENDIF
*****
SCATTER MENVAR MEMO
m.hmcom = comma(ALLTRIM(m.niin))
m.oldhmcom = m.hmcom

```

HMAT/MS-DOS Screen Layout

```

#REGION 1
IF VISIBLE("hmat")
ACTIVATE WINDOW hmat SAME
ELSE
ACTIVATE WINDOW hmat NOSHOW
ENDIF
@ 0,2 SAY "ID" ;
SIZE 1,2, 0 ;
@ 2,2 SAY "NIIN #:" ;
SIZE 1,7, 0 ;
@ 2,23 SAY "Common Name:" ;
SIZE 1,12, 0 ;
@ 1,2 SAY "Manufa" ;
SIZE 1,6, 0 ;
@ 0,14 SAY "Materials Name:" ;
SIZE 1,15, 0 ;
@ 0,5 GET m.hmatid ;
SIZE 1,5 ;
DEFAULT 0 ;
DISABLE
@ 0,32 GET m.hmatname ;
SIZE 1,44 ;
DEFAULT " " ;
PICTURE "9I" ;
VALID _qkfdvr594( )
@ 1,15 GET m.mfg ;
SIZE 1,61 ;
DEFAULT " " ;
VALID _qkfdvr3ek( )

```

```

133 @ 2,10 GET m.niin ;
134 SIZE 1,10 ;
135 DEFAULT " " ;
136 VALID qkf0vr3hm() ;
137 SET m.hmcom ;
138 SIZE 1,39 ;
139 DEFAULT " " ;
140 WHEN qkf0vr3kq() ;
141 VALID qkf0vr3me() ;
142 DISABLE ;
143 @ 4,0 EDIT m.msds ;
144 SIZE 13,78,0 ;
145 DEFAULT " " ;
146 SCROLL ;
147 VALID qkf0vr3on() ;
148 @ 18,6 GET m.action ;
149 PICTURE "@*HN \<Add;\<Next;\<Previous;\?E\<xit" ;
150 SIZE 1,10,1 ;
151 DEFAULT 1 ;
152 VALID qkf0vr3r9() ;
153 @ 18,51 GET m.save ;
154 PICTURE "@*HN \<Save;\<Cancel" ;
155 SIZE 1,8,1 ;
156 DEFAULT 1 ;
157 VALID qkf0vr3xh() ;
158 DISABLE ;
159 @ 1,8 SAY "cturer:" ;
160 SIZE 1,7,0 ;
161
162 [IF NOT WWISIBLE("hmat")
163 ACTIVATE WINDOW hmat
164 ]
165 ]
166
167 READ CYCLE MODAL
168
169 RELEASE WINDOW hmat
170
171 #REGION 0
172 [IF m.talkstat = "ON"
173 SET TALK ON
174 ]
175 [IF m.compstat = "ON"
176 SET COMPATIBLE ON
177 ]
178
179 *
180 *
181 *
182 *
183 *
184 *
185 *
186 #REGION 1
187 SELECT hmcom
188 USE
189 SELECT hmat
190 POP KEY ALL
191 SET ESCAPE &oldescape
192 ***** End of Main Body - Entry Cleanup
193 *****
194
195 *
196 *
197 *
198 *

```

HMAT/MS-DOS Cleanup Code

```

199 *
200 *
201 *
202 *
203 *
204 *
205 #REGION 1
206 PROCEDURE CHANGE
207 *****
208 m.oldexact = SET("EXACT")
209 SET EXACT ON
210 m.change = (TRIM(hmat.hmname) <> TRIM(m.hmname));
211 OR m.mfg <> hmat.mfg;
212 OR m.niin <> hmat.niin;
213 OR m.msds <> hmat.msds)
214 SET EXACT &oldexact
215 RETURN m.change
216
217 *****
218 FUNCTION newline
219 *****
220 PARAMETER TEXT
221 nl = CHR(10) + CHR(13)
222 IF EMPTY(m.text)
223 m.text = ""
224 ELSE
225 m.text = m.text + nl + nl
226 ]
227 ]
228 RETURN m.text
229
230 *****
231 FUNCTION commane
232 *****
233 PARAMETER mkey
234 PRIVATE msel
235 msel = SELECT()
236 IF IUSED("HMCOM")
237 SELECT 0
238 USE hmcom ORDER TAG niin
239 ]
240 ]
241 ]
242 ]
243 ]
244 ]
245 ]
246 ]
247 ]
248 ]
249 ]
250 ]
251 *****
252 PROCEDURE savecom
253 *****
254 PARAMETER mkey, mname
255 PRIVATE msel
256 msel = SELECT()
257 IF IUSED("HMCOM")
258 SELECT 0
259 USE hmcom ORDER TAG niin
260 ]
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```

```

331 * FUNCTION _qkf0vr3ek    && m.mfg VALID
332 #REGION 1
333 DO CHANGE
334 IF m.change
335   SHOW GET m.action disabled
336   SHOW GET m.save enabled
337 ENDIF
338 SHOW GETS
339
340 *
341 *
342 *
343 *
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396 *

```

```

_QKFOVR3HM    m.niin VALID
Function Origin:
From Platform: MS-DOS    Record Number: 10
From Screen:  HMAT,
Variable:      m.niin
Called By:     VALID Clause
Object Type:   Field
Snippet Number: 3

```

```

331 * FUNCTION _qkf0vr3hm    && m.niin VALID
332 #REGION 1
333 m.hmcom = comname(ALLTRIM(m.niin))
334 IF EMPTY(m.hmcom)
335   SHOW GET m.hmcom enabled
336 ELSE
337   SHOW GET m.hmcom disabled
338 ENDIF
339 DO CHANGE
340 IF m.change
341   SHOW GET m.action disabled
342   SHOW GET m.save enabled
343 ENDIF
344 SHOW GETS
345
346 *
347 *
348 *
349 *
350 *
351 *
352 *
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354 *
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396 *

```

```

_QKFOVR3KQ    m.hmcom WHEN
Function Origin:
From Platform: MS-DOS    Record Number: 11
From Screen:  HMAT,
Variable:      m.hmcom
Called By:     WHEN Clause
Object Type:   Field
Snippet Number: 4

```

```

331 * FUNCTION _qkf0vr3kq    && m.hmcom WHEN
332 #REGION 1
333 m.oldhmcom = m.hmcom
334
335 *
336 *
337 *
338 *
339 *
340 *
341 *
342 *
343 *
344 *
345 *
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394 *
395 *
396 *

```

```

_QKFOVR3ME    m.hmcom VALID
Function Origin:
From Platform: MS-DOS

```

```

265 * IF FOUND()
266 * REPLACE niin WITH mkey
267 * REPLACE common WITH mname
268 * ELSE
269 * SET ORDER TO TAG hmcomid
270 * GO BOTTOM
271 * id = hmcomid + 1
272 * REPLACE hmcomid WITH id
273 * REPLACE niin WITH mkey
274 * REPLACE common WITH mname
275 * ENDIF
276 * SELECT (msel)
277 * RETURN
278 *
279 *
280 *
281 *
282 *
283 *
284 *
285 *
286 *
287 *
288 *
289 *
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329 *
330 *

```

```

_QKFOVR394    M.hmatname VALID
Function Origin:
From Platform: MS-DOS    Record Number: 8
From Screen:  HMAT,
Variable:      M.hmatname
Called By:     VALID Clause
Object Type:   Field
Snippet Number: 1

```

```

265 * FUNCTION _qkf0vr394    && M.hmatname VALID
266 #REGION 1
267 IF m.adding = .T.
268   m.oldrec = RECNO()
269   SET ORDER TO TAG hmatname
270   SEEK(m.hmatname)
271   IF FOUND()
272     =errmsg("Material name already exist",2)
273     SCATTER FIELD hmatname MEMVAR BLANK
274     CUROBJ = G@JNUM(m.hmatname)
275   ENDIF
276   SET ORDER TO TAG hmatid
277   GO m.oldrec
278 ENDIF
279 DO CHANGE
280 IF m.change
281   SHOW GET m.action disabled
282   SHOW GET m.save enabled
283 ENDIF
284 SHOW GETS
285
286 *
287 *
288 *
289 *
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325 *
326 *
327 *
328 *
329 *
330 *

```

```

_QKFOVR3EK    m.mfg VALID
Function Origin:
From Platform: MS-DOS    Record Number: 9
From Screen:  HMAT,
Variable:      m.mfg
Called By:     VALID Clause
Object Type:   Field
Snippet Number: 2

```



```

529 APPEND BLANK MEMO
530 GATHER MEMVAR MEMO
531 ELSE
532 DO CHANGE
533 IF m.change && Changing an old record
534 GATHER MEMVAR MEMO
535 ENDIF
536 ENDIF
537 DO savecom WITH m.niin, m.hmcom
538 ELSE
539 SCATTER MEMVAR MEMO
540 m.hmcom = conname(ALLTRIM(m.niin))
541 ENDIF
542
543 SHOW GETS
544 SHOW GET m.hmcom disabled
545 SHOW GET action.enabled
546 SHOW GET SAVE disabled
547
548 m.adding = .f.
549 m.change = .f.
550 *: EOF: HMAT.AC1

```



```

1  *
2  *
3  *
4  *
5  *
6  *
7  *
8  *
9  *
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```

```

10/27/93          HMCf.SPR          14:49:05

Author's Name
Copyright (c) 1993 Company Name
Address
City,           Zip
Description:
This program was automatically generated by GENSCRN.

```

```

REGION 0
REGIONAL m.currearea, m.talkstat, m.compstat

IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

```

MS-DOS Window definitions

```

```

IF NOT EXIST("hmcf");
OR UPPER(WTITLE("HMCf")) == "HMCf.PJX" ;
OR UPPER(WTITLE("HMCf")) == "HMCf.SCX" ;
OR UPPER(WTITLE("HMCf")) == "HMCf.MNX" ;
OR UPPER(WTITLE("HMCf")) == "HMCf.PRG" ;
OR UPPER(WTITLE("HMCf")) == "HMCf.FRX" ;
OR UPPER(WTITLE("HMCf")) == "HMCf.GPR" ;
DEFINE WINDOW hmcf;
FROM INT((SROW()-12)/2),INT((SCOL()-53)/2) ;
TO INT((SROW()-12)/2)+11,INT((SCOL()-53)/2)+52 ;
NOFLOAT ;
NOCLOSE ;
SHADOW ;
nomimize ;
DOUBLE ;
COLOR SCHEME 1
ENDIF

```

```

HMCf/MS-DOS Setup Code - SECTION 2

```

```

REGION 1
PUSH KEY
*ON KEY LABEL ESC DO EscPressed

```

```

67 m.oldescape = SET( "ESCAPE" )
68 SET ESCAPE OFF
69 m.adding = .f.
70 m.change = .f.
71
72 CLOSE ALL
73 SELECT 0
74 USE hmcf
75 SET ORDER TO TAG hmcf OF hmcf.cdx
76
77 *****
78 * Check see if the last record is defined
79 IF TYPE( "m.LastRec" ) = "U"
80 * Start with the first record
81 GO TOP
82 m.lastrec = RECNO()
83
84 ELSE
85 * Start on the last record used
86 GO m.lastrec
87 ENDIF
88 *****
89 SCATTER MEMVAR
90
91 *
92 *
93 *
94 *
95 *
96 *
97 *
98 *
99 *
100 #REGION 1
101 IF LVISIBLE("hmcf")
102 ACTIVATE WINDOW hmcf SAME
103 ELSE
104 ACTIVATE WINDOW hmcf NOSHOW
105 ENDIF
106 @ 1,40 GET m.action ;
107 PICTURE "g"VN \<Add;\<Edit;\<Next;\<Previous;\<E\<xit" ;
108 SIZE 1,10,1 ;
109 DEFAULT 1 ;
110 VALID qkfvrdyq()
111 @ 2,14 GET m.hmcfid ;
112 SIZE 1,10 ;
113 DEFAULT 0 ;
114 DISABLE
115 @ 4,14 GET m.hmcf ;
116 SIZE 1,25 ;
117 DEFAULT " " ;
118 PICTURE "g"i" ;
119 VALID qkfvre5a() ;
120 DISABLE
121 @ 8,11 GET m.save ;
122 PICTURE "g"HN \<Save;\<Cancel" ;
123 SIZE 1,8,1 ;
124 DEFAULT 1 ;
125 VALID qkfvre7o() ;
126 DISABLE
127 @ 1,0 TO 9,39
128 @ 0,11 SAY "HH COST FACTORS" ;
129 SIZE 1,15,0
130 @ 2,5 SAY "ID,NUM:" ;
131 SIZE 1,7,0
132 @ 4,1 SAY "COST FACTOR:" ;

```

```

HMCf/MS-DOS Screen Layout

```

```

133 SIZE 1,12,0
134
135 IF NOT WVISIBLE("hmcf")
136 ACTIVATE WINDOW hmcf
137 ENDIF
138
139 READ CYCLE
140
141 RELEASE WINDOW hmcf
142
143 #REGION 0
144 IF m.talkstat = "ON"
145 SET TALK ON
146 ENDIF
147 IF m.compstat = "ON"
148 SET COMPATIBLE ON
149 ENDIF
150
151
152
153
154
155
156
157
158
159 #REGION 1
160 POP KEY ALL
161 SET ESCAPE &oldescape
162 ***** End of Main Body - Entry Cleanup
163 *****
164
165
166
167
168
169
170
171
172
173
174 #REGION 1
175 PROCEDURE CHANGE
176 *****
177 m.oldexact = SET( "EXACT" )
178 SET EXACT ON
179 m.change = (TRIM(hmcf.hmcf) <> TRIM( m.hmcf))
180 SET EXACT &oldexact
181 RETURN m.change
182
183
184
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186
187
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198

```

HMCF/MS-DOS Cleanup Code

HMCF/MS-DOS Supporting Procedures and Functions

```

_ _QKFVRDYO      m.Action VALID
Function Origin:
From Platform:  MS-DOS      Record Number:  4
From Screen:    HMCF,
Variable:       m.Action
Called By:      VALID Clause
Object Type:    Push Button
Snippet Number: 1

```

```

199 FUNCTION _qkfvrdyq      && m.Action VALID
200 #REGION 1
201 IF m.action = 1
202 SCATTER MEMVAR BLANK
203 m.hmcfid=RECCOUNT()+1
204 SHOW GETS
205 SHOW GET m.hmcf enabled
206 SHOW GET action disabled
207 SHOW GET SAVE enabled
208 m.adding = .T.
209 ELSE
210 --OO CASE
211 --CASE m.action = 2
212 SHOW GETS
213 SHOW GET action disabled
214 SHOW GET SAVE enabled
215 SHOW GET m.hmcf enabled
216
217 --CASE m.action = 3
218 SKIP
219 IF EOF()
220 77 CHR( 7 )
221 WAIT "Last record" WINDOW NOWAIT
222 SKIP -1
223 ELSE
224 SCATTER MEMVAR
225 SHOW GETS
226 ENDIF
227
228 --CASE m.action = 4
229 SKIP -1
230 IF BOF()
231 77 CHR( 7 )
232 WAIT "First record" WINDOW NOWAIT
233 SKIP
234 ELSE
235 SCATTER MEMVAR
236 SHOW GETS
237 ENDIF
238
239 --CASE m.action = 5
240 CLEAR READ
241 ENDIF
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
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```

```

_ _QKFVRESA      m.hmcf VALID
Function Origin:
From Platform:  MS-DOS      Record Number:  6
From Screen:    HMCF,
Variable:       m.hmcf
Called By:      VALID Clause
Object Type:    Field
Snippet Number: 2

```

```

265 IF m.adding
266   m.oldrec = RECMO(
267   SEEK m.hmcf
268   IF FOUND()
269     =errmsg("Record already exists",1)
270   SCATTER MEMVAR BLANK FIELD hmcf
271   ENDIF
272   GO m.oldrec
273   ENDIF
274
275
276
277
278
279
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281
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```

```

*_OKFOVRE70      m.Save VALID
Function Origin:
From Platform:   MS-DOS
From Screen:     HMCF,      Record Number: 7
Variable:        m.Save
Called By:       VALID Clause
Object Type:     push Button
Snippet Number:  3

```

```

FUNCTION _okfovre7o  && m.Save VALID
#REGION 1
m.notsave = .f.
IF m.save = 1 && Selected Save Button
  =errmsg("Data empty, could not save!!",2)
  CUROBJ = OBJNUM(m.hmcf)
  m.notsave = .t.
ELSE
  IF m.adding && Adding a new record
    APPEND BLANK
    GATHER MEMVAR
  ELSE
    IF m.change && Changing an old record
      GATHER MEMVAR
    ENDIF
  ENDIF
ELSE
  SCATTER MEMVAR
ENDIF
ENDIF

SHOW GETS
IF m.notsave
  SHOW GET m.hmcf enabled
  SHOW GET action disabled
  SHOW GET SAVE enabled
ELSE
  SHOW GET m.hmcf disabled
  SHOW GET action enabled
  SHOW GET SAVE disabled
  m.adding = .f.
  m.change = .f.
ENDIF
* : EOF: HMCF.AC1

```

```

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66 *

```

```

10/27/93          HMCFE.SPR          14:49:08

Author's Name
Copyright (c) 1993 Company Name
Address
City, Zip
Description:
This program was automatically generated by GENSCRN.

```

```

#REGION 0
REGIONAL m.currarea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

```

MS-DOS Window definitions

```

```

IF NOT WEXIST("hmcfe");
OR UPPER(WTITLE("HMCFE")) = "HMCFE.PJX";
OR UPPER(WTITLE("HMCFE")) = "HMCFE.SCX";
OR UPPER(WTITLE("HMCFE")) = "HMCFE.HMX";
OR UPPER(WTITLE("HMCFE")) = "HMCFE.PRG";
OR UPPER(WTITLE("HMCFE")) = "HMCFE.FRX";
OR UPPER(WTITLE("HMCFE")) = "HMCFE.QPR";
DEFINE WINDOW hmcfe;
FROM INT((SROW()-16)/2), INT((SCOL()-67)/2);
TO INT((SROW()-16)/2)+15, INT((SCOL()-67)/2)+66;
NOFLOAT;
NOCLOSE;
SHADOW;
nomimize;
DOUBLE;
COLOR SCHEME 1
ENDIF

```

```

HMCFE/MS-DOS Setup Code - SECTION 2

```

```

#REGION 1
PUSH .EY
*ON KEY LABEL ESC DO EscPressed

```

```

67 m.oldscape = SET( "ESCAPE" )
68 SET ESCAPE OFF
69 m.adding = .f.
70 m.change = .f.
71 m.actions=5
72 CLOSE ALL
73
74
75 IF USED("HMCFE")
76 SELECT hmcfe
77 SET ORDER TO hmcfid
78 ELSE
79 SELECT 0
80 USE (LOCFILE("HMCFE.dbf","DBF","where is hmcfe?"));
81 AGAIN ALIAS hmcfe;
82 ORDER hmcfid
83 ENDIF
84
85 *USE HMCFE AGAIN
86 *****
87 * Check see if the last record is defined
88 GO TOP
89 *****
90 SCATTER MEMVAR
91 IF m.hmcfid>0
92 m.answr=get_hmcf(m.hmcfid)
93 ELSE
94 m.answr=""
95 ENDIF
96
97 m.oldsavr=m.answr
98 SHOW GETS
99
100
101
102
103
104
105
106
107
108
109
110 #REGION 1
111 IF WVISIBLE("hmcfe")
112 ACTIVATE WINDOW hmcfe SAME
113 ELSE
114 ACTIVATE WINDOW hmcfe NOSHOW
115 ENDIF
116 @ 1,54 GET m.action;
=> \<xit";
117 PICTURE "a*VN \<Add;\<Edit;\<Next;\<Previous;\|\<Top;\<Bottom;\|E";
118 SIZE 1,10,1;
119 DEFAULT 1;
120 VALID _qkfvrggz()
121 a 5,3 GET m.factor;
122 PICTURE "a*1HK ";
123 SIZE 1,10,1;
124 DEFAULT 0;
125 WHEN _qkfvrggz()
126 VALID _qkfvrgtp()
127 a 7,3 GET m.element;
128 PICTURE "a*1HN ";
129 SIZE 1,10,1;
130 DEFAULT 0;
131 WHEN _qkfvrggz()
132 VALID _qkfvrgyb()
133

```

```

HMCFE/MS-DOS Screen Layout

```

```

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263 *

```

HMCFE/MS-DOS Supporting Procedures and Functions

```

#REGION 1
PROCEDURE escpressed
*****
RETURN
*****
PROCEDURE CHANGE
m.oldxact = SET( "EXACT" )
SET EXACT ON
OR hmcfe.hmcfid <> TRIM( m.hmcfe);
OR hmcfe.hmcfid <> m.hmcfid
RETURN m.change
*****
PROCEDURE get hmcfcf
*****
PARAMETER m.hmcfcid
m.oldfile=SELECT()
SELECT DISTINCT hmcfcf.hmcfcf;
FROM hmcfcf;
WHERE hmcfcf.hmcfcid = (m.hmcfcid);
INTO ARRAY X
m.hmcfcf=X[1]
SELECT(m.oldfile)
RETURN m.hmcfcf
*****
PROCEDURE get cf
*****
PARAMETER m.answrcf
DIMENSION cfearr[1]
cfearr[1]=m
m.oldfile=SELECT()
SELECT DISTINCT hmcfcf.hmcfcf;
FROM hmcfcf;
WHERE hmcfcf.hmcfcf IN (m.answrcf);
ORDER BY hmcfcf.hmcfcid;
INTO ARRAY cfearr
IF NOT EMPTY(cfearr[1])
m.answrcf=chooser(acfearr,"Select a Cost Factor")
ELSE
=errmsg(m.answrcf + " was not found",1)
m.hmcfcid=0
m.answrcf=0
ENDIF
SELECT(m.oldfile)
RETURN m.answrcf
*****
PROCEDURE get_cfid
*****

```

```

132 @ 5,15 GET m.hmcfcid ;
133 SIZE 1,5 ;
134 DEFAULT " " ;
135 DISABLE
136 @ 5,22 GET m.answrcf ;
137 SIZE 1,30 ;
138 DEFAULT " " ;
139 WHEN qkfvvrhig() ;
140 VALID qkfvvrh34() ;
141 DISABLE
142 @ 7,15 GET m.hmcfcid ;
143 SIZE 1,5 ;
144 DEFAULT 0 ;
145 DISABLE
146 @ 7,22 GET m.hmcfcid ;
147 SIZE 1,30 ;
148 DEFAULT " " ;
149 PICTURE "a";
150 DISABLE
151 @ 11,21 GET m.save ;
152 PICTURE "a"HN \<Save;\<Cancel" ;
153 SIZE 1,8,1 ;
154 DEFAULT 1 ;
155 VALID qkfvvrh6d() ;
156 DISABLE
157 @ 1,1 TO 12,52
158 @ 0,18 SAY "HM COST FACTOR ELEMENTS" ;
159 SIZE 1,23,0
160 @ 7,4 SAY "ELEMENT:" ;
161 SIZE 1,8,0
162 @ 5,5 SAY "FACTOR:" ;
163 SIZE 1,7,0
164 @ 3,25 SAY " " ;
165 SIZE 1,1,0
166
167 [ IF NOT WISIBLE("hmcfe")
168 ACTIVATE WINDOW hmcfcf
169 ENDIF
170
171 READ CYCLE
172
173 RELEASE WINDOW hmcfcf
174
175 #REGION 0
176 [ IF m.talkstat = "ON"
177 SET TALK ON
178 ENDIF
179 [ IF m.compstat = "ON"
180 SET COMPATIBLE ON
181 ENDIF
182
183 *
184 *
185 *
186 *
187 *
188 *
189 *
190 *
191 #REGION 1
192 POP KEY ALL
193 CLOSE DATABASE cftmp,cftmp
194 SET ESCAPE &ldescape
195 ***** End of Main Body - Entry Cleanup *****
196 *****
197

```

HMCFE/MS-DOS Cleanup Code

```

330 SELECT hmcfe
331 SET RELATION TO hmcfeid INTO hmcfeid ADDITIVE
332
333 SELECT hmcfe
334
335 SET RELATION TO hmcfeid INTO hmcfe ADDITIVE
336 SET SKIP TO hmcfeid, hmcfe
337
338 ** Show fields from grandparent (HMCFEI), parent (HMCFE) and child (H
339 => MCF)**
340 BROWSE FIELDS hmcfe.hmcfe:H="FACTORS", hmcfe.hmcfe:H="ELEMENTS",;
341 hmcfeid.hmcfeid:H="ITEMS", hmcfeid.hmcfeid:H="COSTS";
342 FOR hmcfe.hmcfeid = hmcfe.hmcfeid NOMODIFY NOAPPEND MODELETE NORMAL
343 => TITLE "COST FACTORS"
344
345 m.x=hmcfe.hmcfeid
346 SET FILTER TO
347 SELECT hmcfe
348 SET RELATION TO
349 SELECT hmcfe
350 SET RELATION TO
351 SELECT (m.oldfile)
352 RETURN m.x
353
354 * * * * *
355 * * * * *
356 * * * * *
357 * * * * *
358 * * * * *
359 * * * * *
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```

```

264 *****
265 PARAMETERS m.answr
266 IF PARAMETER()=0
267 X=0
268 ELSE
269 m.oldfile=SELECT()
270
271 SELECT DISTINCT hmcfe.hmcfeid;
272 FROM hmcfe;
273 WHERE hmcfe.hmcfe IN (m.answr);
274 INTO ARRAY X
275 X=X[1]
276 SELECT (m.oldfile)
277 ENDIF
278 RETURN X
279
280 *****
281 PROCEDURE rel
282 * DISPLAY RELATIONSHIP
283 * OF HMCFE AND HMCF
284 *****
285 PARAMETER m.id
286 SET TALK OFF
287
288 IF PARAMETER()=0
289 m.id=0
290 ENDIF
291
292 m.oldfile=SELECT()
293
294 &&OPEN FILE # 1
295
296 IF USED("HMCFEI")
297 SELECT hmcfeid
298 SET ORDER TO hmcfeid
299
300 ELSE
301 SELECT 0
302 USE hmcfeid ORDER hmcfeid
303 ENDIF
304
305 &&OPEN FILE # 2
306
307 IF USED("HMCFE")
308 SELECT hmcfe
309 SET ORDER TO hmcfeid
310
311 ELSE
312 SELECT 0
313 USE hmcfe AGAIN ORDER hmcfeid
314 ENDIF
315
316 && OPEN FILE #3
317
318 IF USED("HMCF")
319 SELECT hmcfe
320 SET ORDER TO hmcfeid
321
322 ELSE
323 SELECT 0
324 USE hmcfe ORDER hmcfeid
325 ENDIF
326
327 IF m.id>0
328 SET FILTER TO hmcfeid = m.id
329 ENDIF

```

```

_QKFDVRGGZ      m.Action VALID
Function Origin:
From Platform:  MS-DOS
From Screen:    HMCFE,
Variable:       m.Action
Called By:      VALID Clause
Object Type:    Push Button
Snippet Number: 1

```

SHOW GET m.element disabled

```

394 CASE m.action = 3
395   SKIP
396   IF EOF()
397     ?? CHR( 7 )
398     WAIT "Last record" WINDOW NOWAIT
399     SKIP -1
400   ENDIF
401
402 CASE m.action = 4
403   SKIP -1
404   IF BOF()
405     ?? CHR( 7 )
406     WAIT "first record" WINDOW NOWAIT
407     SKIP
408   ENDIF
409
410 CASE m.action = 5
411   GO TOP
412
413 CASE m.action = 6
414   GO BOTTOM
415
416 CASE m.action = 7
417   CLEAR READ
418   ENDCASE
419
420 IF m.action > 2 AND m.action < 7
421   SCATTER MEMVAR
422   IF m.hmcfid>0
423     m.answr=get_hmc(m.hmcfid)
424     m.oldanswr=m.answr
425   ELSE
426     m.answr=""
427     m.oldanswr=""
428   ENDIF
429   SHOW GETS
430   SHOW GET m.hmcfe disabled
431   SHOW GET m.answr disabled
432   SHOW GET m.factor enabled
433   SHOW GET m.element enabled
434   SHOW GET m.element enabled
435   ENDF
436
437 FUNCTION _qkfvrgprp
438   m.factor WHEN
439
440   Function Origin:
441   From Platform: MS-DOS
442   From Screen: HMCFF,
443   Variable: m.factor
444   Called By: WHEN Clause
445   Snippet Number: 2
446
447 FUNCTION qkfvrgprp && m.factor WHEN
448   #REGION 1
449   m.factor=0
450
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```

```

*_qkfvrgprp
Function Origin:
From Platform: MS-DOS
From Screen: HMCFF,
Variable: m.factor
Called By: WHEN Clause
Snippet Number: 2
FUNCTION qkfvrgprp && m.factor WHEN
#REGION 1
m.factor=0

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*_qkfvrgtp
Function Origin:
From Platform: MS-DOS
From Screen: HMCFF,
Variable: m.factor
Called By: VALID Clause
Snippet Number: 3
FUNCTION qkfvrgtp && m.factor VALID
#REGION 1
m.factor=rel(0)
IF m.factor>0
LOCATE FOR hmcfeid = m.factor
-IF FOUND()
GO RECHO()
SCATTER MEMVAR
-IF m.hmcfid>0
m.answr=get_hmc(m.hmcfid)
ELSE
m.answr=""
ENDIF
m.oldanswr=m.answr
SHOW GETS
ENDIF

```

```

*_qkfvrgx4
Function Origin:
From Platform: MS-DOS
From Screen: HMCFF,
Variable: m.element
Called By: WHEN Clause
Snippet Number: 4
FUNCTION qkfvrgx4 && m.element WHEN
#REGION 1
m.element=m.hmcfid

```

```

*_qkfvrgyg
Function Origin:
From Platform: MS-DOS
From Screen: HMCFF,
Variable: m.element
Called By: VALID Clause
Snippet Number: 5
FUNCTION qkfvrgyg && m.element VALID

```

```

*_qkfvrgyg
Function Origin:
From Platform: MS-DOS
From Screen: HMCFF,
Variable: m.element
Called By: VALID Clause
Snippet Number: 5
FUNCTION qkfvrgyg && m.element VALID

```

```

526 #REGION 1
527 m.element=rel(m.hmcfid)
528 IF m.element>0
529 LOCATE FOR hmcfeid = m.element
530 IF FOUND()
531 GO RECNO()
532 SCATTER MEMVAR
533 IF m.hmcfid>0
534 m.answr=get_hmcf(m.hmcfid)
535 ELSE
536 m.answr=""
537 ENDIF
538 m.oldanswr=m.answr
539 SHOW GETS
540 ENDIF
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```

```

_ _OKFOVRH1G      m.answr WHEN
Function Origin:
From Platform:   MS-DOS
From Screen:     HMCFE,
Variable:        m.answr      Record Number: 8
Called By:       WHEN Clause
Object Type:     Field
Snippet Number:  6

```

```

_ _OKFOVRH34      m.answr VALID
Function Origin:
From Platform:   MS-DOS
From Screen:     HMCFE,
Variable:        m.answr      Record Number: 8
Called By:       VALID Clause
Object Type:     Field
Snippet Number:  7

```

```

FUNCTION _qkf0vrh34  && m.answr VALID
#REGION 1
IF NOT EMPTY(m.answr)
m.answr=ALLTRIM(m.answr)
m.answr=IF(m.answr="?", "", UPPER(m.answr))
m.answr=ALLTRIM(get_cf(m.answr))
IF NOT EMPTY(m.answr)
m.hmcfid=get_cfid(m.answr)
m.oldanswr=m.answr
ENDIF
SHOW GETS
ENDIF

```

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```

```

_ _OKFOVRH6D      m.Save VALID
Function Origin:
From Platform:   MS-DOS
From Screen:     HMCFE,      Record Number: 11
Variable:        m.Save
Called By:       VALID Clause
Object Type:     Push Button
Snippet Number:  8

```

```

FUNCTION _qkf0vrh6d  && m.Save VALID
#REGION 1
IF m.save = 1 && Selected Save Button
IF m.adding && Adding a new record
APPEND BLANK
GATHER MEMVAR
ELSE
IF m.change && Changing an old record
GATHER MEMVAR
ENDIF
ENDIF
ENDIF
SCATTER MEMVAR
IF m.hmcfid>0
m.answr=get_hmcf(m.hmcfid)
ELSE
m.hmcf=""
ENDIF
m.oldanswr=m.answr
SHOW GETS
SHOW GET action enabled
SHOW GET m.factor enabled
SHOW GET m.element enabled
SHOW GET SAVE disabled
SHOW GET m.hmcfe disabled
SHOW GET m.answr disabled
m.adding=.f.
m.change=.f.
*: EOF: HMCFE.AC1

```


10/27/93	HMCFEI.SPR	14:49:13
Author's Name		
Copyright (c) 1993 Company Name		
Address		
City, Zip		
Description:		
This program was automatically generated by GENSCRN.		

```
1 *
2 *
3 *
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```

```
#REGION 0
REGIONAL m.curreara, m.talkstat, m.compstat
```

```
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
```

MS-DOS Window definitions

```
IF NOT VEXIST("hmcfei");
OR UPPER(WTITLE("HMCFEI")) = "HMCFEI.PJX";
OR UPPER(WTITLE("HMCFEI")) = "HMCFEI.SCX";
OR UPPER(WTITLE("HMCFEI")) = "HMCFEI.HMX";
OR UPPER(WTITLE("HMCFEI")) = "HMCFEI.PRG";
OR UPPER(WTITLE("HMCFEI")) = "HMCFEI.FRX";
OR UPPER(WTITLE("HMCFEI")) = "HMCFEI.QPR";
DEFINE WINDOW hmcfei
FROM INT((SROW()-17)/2), INT((SCOL()-69)/2);
TO INT((SROW()-17)/2)+16, INT((SCOL()-69)/2)+68;
NOFLOAT;
NOCLOSE;
SHADOW;
nomimize;
DOUBLE;
COLOR SCHEME 1
ENDIF
```

HMCFEI/MS-DOS Setup Code - SECTION 2

```
#REGION 1
PUSH KEY
*ON KEY LABEL ESC DO EscPressed
```

```
67 m.oldescape = SET("ESCAPE")
68 SET ESCAPE OFF
69 m.adding = .F.
70 m.change = .F.
71 m.editing = .F.
72 m.action=5
73
74 CLOSE ALL
75
76 IF USED("HMCFEI")
77 SELECT hmcfei
78 SET ORDER TO hmcfid
79 ELSE
80 SELECT 0
81 USE (LOCFILE("HMCFEI.dbf","DBF","Where is HMCFEI?"));
82 AGAIN ALIAS hmcfei;
83 ORDER hmcfid
84 ENDIF
85
86 *USE HMCFE AGAIN
87 *****
88 * Check see if the last record is defined
89 GO TOP
90 *****
91 SCATTER MEMVAR
92 IF m.hmcfid>0
93 m.answr=get_hmcf(m.hmcfid)
94 ELSE
95 m.answr=""
96 ENDIF
97 IF m.hmcfeid>0
98 m.hmcfe=get_hmcfe(m.hmcfeid)
99 ELSE
100 m.hmcfe=""
101 ENDIF
102 m.oldhmcfe=m.hmcfe
103 m.oldanswr=m.answr
104 m.action = 1
105 SHOW GETS
106
107 *
108 *
109 *
110 *
111 *
112 *
113 *
114 *
115 #REGION 1
116 IF WISIBLE("hmcfei")
117 ACTIVATE WINDOW hmcfei SAME
118 ELSE
119 ACTIVATE WINDOW hmcfei NOSHOW
120 ENDIF
121 @ 0,55 GET m.action;
122 PICTURE "g*VN \<Add:\<Edit;\<Next;\<Previous;\|\<Top;\<Bottom;B\<
=> rowse;\?E\<xit";
123 SIZE 1,10,1;
124 DEFAULT 1;
125 VALID qkfvvrk3;
126 @ 3,2 GET m.factor;
127 PICTURE "g*1H1 ";
128 SIZE 1,10,1;
129 DEFAULT 0;
130 WHEN _qkfvvrkgo();
131 VALID _qkfvvrk1q()
```

HMCFEI/MS-DOS Screen Layout

```

132 a 5,2 GET m.element ;
133 PICTURE @p1HN " ;
134 SIZE 1,10,1 ;
135 DEFAULT 0 ;
136 WHEN_qlkfvvrkmh() ;
137 VALID_qlkfvvrknv() ;
138 DISABLE
139 a 3,13 GET m.hmcfid ;
140 SIZE 1,5 ;
141 DEFAULT " " ;
142 DISABLE
143 a 3,20 GET m.answr ;
144 SIZE 1,30 ;
145 DEFAULT " " ;
146 WHEN_qlkfvvrks5() ;
147 VALID_qlkfvvrktm() ;
148 DISABLE
149 a 5,13 GET m.hmcfeid ;
150 SIZE 1,5 ;
151 DEFAULT 0 ;
152 DISABLE
153 a 5,20 GET m.hmcfe ;
154 SIZE 1,30 ;
155 DEFAULT " " ;
156 PICTURE "q!";
157 WHEN_qlkfvvrkwj() ;
158 VALID_qlkfvvrkxz() ;
159 DISABLE
160 a 7,13 GET m.hmcfeiid ;
161 SIZE 1,5 ;
162 DEFAULT 0 ;
163 DISABLE
164 a 7,20 GET m.hmcfeid ;
165 SIZE 1,30 ;
166 DEFAULT " " ;
167 PICTURE "q!";
168 DISABLE
169 a 9,14 GET m.hmcfeicost ;
170 SIZE 1,10 ;
171 DEFAULT 0 ;
172 PICTURE "q!";
173 DISABLE
174 a 12,19 GET m.save ;
175 PICTURE @p1HN \<Save;\<Cancel" ;
176 SIZE 1,8,1 ;
177 DEFAULT 1 ;
178 VALID_qlkfvvr11j() ;
179 DISABLE
180 a 1,0 TO 14,53
181 a 0,14 SAY "COST FACTOR ELEMENT ITEMS" ;
182 SIZE 1,25 0
183 a 5,4 SAY "ELEMENT:" ;
184 SIZE 1,8 0
185 a 3,5 SAY "FACTOR:" ;
186 SIZE 1,7 0
187 a 7,7 SAY "ITEM:" ;
188 SIZE 1,5 0
189 a 9,7 SAY "COST:" ;
190 SIZE 1,5 0
191
192 IF NOT WISIBLE("hmcfeid")
193 [
194 ACTIVATE WINDOW hmcfeid
195 ENDIF
196 READ CYCLE
197

```

```

198 RELEASE WINDOW hmcfeid
199 #REGION 0
200 IF m.talkstat = "ON"
201 SET TALK ON
202 ENDIF
203 IF m.comstat = "ON"
204 SET COMPATIBLE ON
205 ENDIF
206
207
208
209
210
211
212
213
214
215
216 #REGION 1
217 POP KEY ALL
218 SET ESCAPE &oldescape
219 ***** End of Main Body - Entry Cleanup *****
220 *****
221
222
223
224
225
226
227
228
229
230 #REGION 1
231 PROCEDURE escaped
232 *****
233 RETURN
234
235 *****
236 PROCEDURE CHANGE
237 *****
238 m.oldxact = SET( "EXACT" )
239 SET EXACT ON
240 m.change = TRIM(hmcfeid) <> TRIM( m.hmcfeid );
241 OR hmcfeid.hmcfeid <> m.hmcfeid;
242 OR hmcfeid.hmcfeino <> m.hmcfeino;
243 OR hmcfeid.hmcfeicost <> m.hmcfeicost)
244 SET EXACT &oldxact
245 RETURN m.change
246
247 *****
248 PROCEDURE get hmcfe
249 *****
250 PARAMETER m.hmcfeid
251 m.oldfile=SELECT()
252 DIMENSION X(1)
253 SELECT DISTINCT hmcfe.hmcfe;
254 FROM hmcfe;
255 WHERE hmcfe.hmcfeid = (m.hmcfeid);
256 INTO ARRAY X
257 IF NOT EMPTY(X(1))
258 m.hmcfe=X(1)
259 ELSE
260 m.hmcfe = ""
261
262

```

HMCFEI/MS-DOS Cleanup Code

HMCFEI/MS-DOS Supporting Procedures and Functions

```

264 --ENDIF
265
266 SELECT(m.oldfile)
267 RETURN m.hmcfcf
268 *****
269 PROCEDURE get_cf
270 *****
271 PARAMETER m.answr
272 DIMENSION hcf[1]
273 hcf[1]=""
274 m.oldfile=SELECT()
275
276 SELECT DISTINCT hmcfcf.hmcfcf;
277 FROM hmcfcf;
278 WHERE hmcfcf.hmcfcf IN (m.answr);
279 ORDER BY hmcfcf.hmcfcfid;
280 INTO ARRAY hcf
281
282 --IF NOT EMPTY(hcf[1])
283
284 m.answr=chooser(@hcf,"Select a Cost Factor")
285
286 --ELSE
287 =errmsg(m.answr + " was not found",1)
288 m.hmcfcfid=0
289 m.answr=""
290
291 --ENDIF
292
293 SELECT(m.oldfile)
294 RETURN m.answr
295
296 *****
297 PROCEDURE get_cfid
298 *****
299 PARAMETERS m.answr
300 --IF PARAMETER()=0
301 X=0
302 --ELSE
303 DIMENSION X[1]
304 m.oldfile=SELECT()
305
306 SELECT DISTINCT hmcfcf.hmcfcfid;
307 FROM hmcfcf;
308 WHERE hmcfcf.hmcfcf IN (m.answr);
309 INTO ARRAY X
310
311 --IF NOT EMPTY(X[1])
312 X=X[1]
313 --ELSE
314 X = 0
315 --ENDIF
316 SELECT (m.oldfile)
317 RETURN X
318
319 *****
320 * COST FACTOR ELEMENTS -- CFE
321 *****
322
323 *****
324 PROCEDURE get_hmcfcf
325 *****
326 PARAMETER m.hmcfcfid
327 DIMENSION X[1]
328 m.oldfile=SELECT()
329

```

```

330 SELECT DISTINCT hmcfcf.hmcfcf;
331 FROM hmcfcf;
332 WHERE hmcfcf.hmcfcfid = (m.hmcfcfid);
333 INTO ARRAY X
334
335 --IF EMPTY(X[1])
336 m.hmcfcf=X[1]
337 --ELSE
338 m.hmcfcf = ""
339 --ENDIF
340
341 SELECT(m.oldfile)
342 RETURN m.hmcfcf
343 *****
344 PROCEDURE get_cfe
345 *****
346 PARAMETER m.hmcfcf
347 DIMENSION hcf[1]
348 hcf[1]=""
349 m.oldfile=SELECT()
350
351 SELECT DISTINCT hmcfcf.hmcfcf;
352 FROM hmcfcf;
353 WHERE hmcfcf.hmcfcf IN (m.hmcfcf);
354 ORDER BY hmcfcf.hmcfcfid;
355 INTO ARRAY hcf
356
357 --IF NOT EMPTY(hcf[1])
358 m.hmcfcf=chooser(@hcf,"Select a Cost Factor")
359
360 --ELSE
361 =errmsg(m.hmcfcf + " was not found",1)
362 m.hmcfcfid=0
363 m.hmcfcf=""
364
365 --ENDIF
366
367 SELECT(m.oldfile)
368 RETURN m.hmcfcf
369
370 *****
371 PROCEDURE get_cfeid
372 *****
373 PARAMETERS m.hmcfcf
374 --IF PARAMETER()=0
375 X=0
376 --ELSE
377 DIMENSION X[1]
378 m.oldfile=SELECT()
379
380 SELECT DISTINCT hmcfcf.hmcfcfid;
381 FROM hmcfcf;
382 WHERE hmcfcf.hmcfcf IN (m.hmcfcf);
383 INTO ARRAY X
384
385 --IF EMPTY(X[1])
386 X=X[1]
387 --ELSE
388 X = 0
389 --ENDIF
390 SELECT (m.oldfile)
391 RETURN X
392
393 *****
394 PROCEDURE rel
395 * DISPLAY RELATIONSHIP

```

```

462 ** OF HMCFE AND HMCF
463 *****
464 PARAMETER m.id
465
466 [IF PARAMETER()=0
467   m.id=0
468 ]ENDIF
469
470 m.oldfile=SELECT(
471   SET TALK OFF
472   &&OPEN FILE # 1
473   [IF USED("HMCFEI")
474     SELECT hmcfei
475     SET ORDER TO TAG hmcfeid OF hmcfei.cdx
476   ]ELSE
477     SELECT 0
478     USE hmcfei ALIAS hmcfei AGAIN
479     SET ORDER TO TAG hmcfeid OF hmcfei.cdx
480   ]ENDIF
481   &&OPEN FILE # 2
482   [IF USED("HMCFE")
483     SELECT hmcfe
484     SET ORDER TO TAG hmcfid OF hmcfe.cdx
485   ]ELSE
486     SELECT 0
487     USE hmcfe ALIAS hmcfe AGAIN
488     SET ORDER TO TAG hmcfeid OF hmcfe.cdx
489   ]ENDIF
490   && OPEN FILE #3
491   [IF USED("HMCFF")
492     SELECT hmcff
493     SET ORDER TO TAG hmcfid OF hmcff.cdx
494   ]ELSE
495     SELECT 0
496     USE hmcff ALIAS hmcff AGAIN
497     SET ORDER TO hmcfid OF hmcff.cdx
498   ]ENDIF
499   [IF m.id>0
500     SET FILTER TO hmcfid = m.id
501   ]ENDIF
502
503 SELECT hmcfe
504 SET RELATION TO hmcfeid INTO hmcfei && ADDITIVE
505
506 SELECT hmcff
507 SET RELATION TO hmcffid INTO hmcfff ADDITIVE
508
509 SET SKIP TO hmcfe, hmcfe
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526 -ELSE
527   SELECT 0
528   USE hmc f ALIAS hmc f AGAIN
529   SET ORDER TO hmc f id OF hmc f.cdx
530   ENDIF
531
532 -IF m.id>0
533
534   SET FILTER TO hmc f id = m.id
535
536   ENDIF
537
538   SELECT hmc f
539   SET RELATION TO hmc f id INTO hmc f e i && ADDITIVE
540
541   SELECT hmc f
542   SET RELATION TO hmc f id INTO hmc f e ADDITIVE
543
544   SET SKIP TO hmc f e i, hmc f e
545
546   ** Show fields from grandparent (HMC FEI), parent (HMC FE) and child (H
547   => HCF)**
548   BROWSE FIELDS hmc f:h="FACTORS", hmc f e:h="ELEMENTS",;
549   hmc f e i:h="ITEMS", hmc f e i:h="COSTS",;
550   FOR !EMPTY(hmc f e i.hmc f e i id) NOMODIFY NOAPPEND NODELETE TITLE "COS
551   => T FACTORS".
552   NORMAL
553   m.x=hmc f e i.hmc f e i id
554
555   SET FILTER TO
556   SET RELATION TO
557   SELECT(m.oldfile)
558   RETURN m.x
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589 *

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Function Origin:	m.Action VALID
From Platform:	MS-DOS
From Screen:	HMC FEI,
Variable:	m.Action
Called By:	VALID Clause
Object Type:	Push Button
Shippet Number:	1
Record Number:	2

```

590 SHOW GET m.hmc f e i enabled
591 SHOW GET m.hmc f e i no enabled
592 SHOW GET m.hmc f e i cost enabled
593 SHOW GET m.element enabled
594 m.adding = .T.
595
596 -ELSE
597
598 -DO CASE
599   CASE m.action = 2
600     SHOW GETS
601     SHOW GET action disabled
602     SHOW GET m.element enabled
603     SHOW GET SAVE enabled
604     SHOW GET m.answr enabled
605     SHOW GET m.hmc f e i enabled
606     SHOW GET m.hmc f e i no enabled
607     SHOW GET m.hmc f e i cost enabled
608     m.editing = .F.
609   CASE m.action = 3
610     SKIP
611   -IF EOF()
612     ?? CHR( 7 )
613     WAIT "Last record" WINDOW NOMAIT
614     SKIP -1
615   -ENDIF
616
617   CASE m.action = 4
618     SKIP -1
619   -IF BOF()
620     ?? CHR( 7 )
621     WAIT "First record" WINDOW NOMAIT
622     SKIP
623   -ENDIF
624
625   CASE m.action = 5
626     GO TOP
627
628   CASE m.action = 6
629     GO BOTTOM
630
631   CASE m.action = 7
632     m.item = browseitem(0)
633   -IF m.item>0
634     LOCATE FOR hmc f e i id =m.item
635     -IF FOUND()
636       GO RECD()
637       SCATTER MEMVAR
638       -IF m.hmc f e i id>0
639         m.answr=get_hmc f(m.hmc f id)
640       -ELSE
641         m.answr=""
642       -ENDIF
643     -IF m.hmc f e i id>0
644       m.hmc f e i=get_hmc f e i(m.hmc f e i id)
645     -ELSE
646       m.hmc f e i=""
647     -ENDIF
648     m.oldhmc f e i=m.hmc f e i
649     m.oldanswr=m.answr
650     SHOW GETS
651   -ENDIF
652
653
654
655

```

```

656 -CASE m.action = 8
657   CLEAR READ
658 -ENDCASE
659
660 -IF m.action > 2 AND m.action < 7
661   SCATTER MENVAR
662 -IF m.hmcfeid > 0
663     m.answr=get_hmcfe(m.hmcfeid)
664     m.oldanswr=m.answr
665 -ELSE
666     m.answr=""
667     m.oldanswr=""
668 -ENDIF
669
670 -IF m.hmcfeid > 0
671   m.hmcfe=get_hmcfe(m.hmcfeid)
672   m.olohmcfe=m.hmcfe
673 -ELSE
674   m.hmcfe=""
675   m.olohmcfe=""
676 -ENDIF
677 SHOW GETS
678 SHOW GET m.hmcfe disabled
679 SHOW GET m.answr disabled
680 SHOW GET m.hmcfe disabled
681 SHOW GET m.hmcfeino disabled
682 SHOW GET m.hmcfeicost disabled
683 SHOW GET m.factor enabled
684 SHOW GET m.element disabled
685 -ENDIF
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```

*_QKFOVRKGO    m.factor WHEN
Function Origin:
From Platform: MS-DOS
From Screen:   HMCFEI,
Variable:      m.factor
Called By:     WHEN Clause
Snippet Number: 2

```

```

*_QKFOVRKIQ    m.factor VALID
Function Origin:
From Platform: MS-DOS
From Screen:   HMCFEI,
Variable:      m.factor
Called By:     VALID Clause
Snippet Number: 3

```

```

722 FUNCTION _qkfovrkiq  && m.factor VALID
723 #REGION 1
724 m.factor=rel(0)
725 -IF m.adding = .T. OR m.editing = .T.
726   msel = SELECT()
727   SELECT hmcfe
728   LOCATE FOR hmcfeid =m.factor
729 -IF FOUND()
730   GO RECMO()
731   SCATTER MENVAR
732 -IF m.hmcfeid > 0
733     m.answr=get_hmcfe(m.hmcfeid)
734     m.oldanswr=""
735 -ELSE
736     m.answr=""
737 -ENDIF
738 -IF m.hmcfeid > 0
739   m.hmcfe=get_hmcfe(m.hmcfeid)
740   m.olohmcfe=""
741 -ELSE
742   m.hmcfe=""
743 -ENDIF
744 m.olohmcfe=m.hmcfe
745 m.oldanswr=m.answr
746 SHOW GETS
747 SELECT (msel)
748 -ENDIF
749
750
751
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```

```

*_QKFOVRKNH    m.element WHEN
Function Origin:
From Platform: MS-DOS
From Screen:   HMCFEI,
Variable:      m.element
Called By:     WHEN Clause
Snippet Number: 4

```

```

FUNCTION _qkfovrknv  && m.element VALID
#REGION 1
m.element=m.hmcfeid

```

```

*_QKFOVRKNV    m.element VALID
Function Origin:
From Platform: MS-DOS
From Screen:   HMCFEI,
Variable:      m.element
Called By:     VALID Clause
Snippet Number: 5

```

```

FUNCTION _qkfovrknv  && m.element VALID
#REGION 1

```



```

* *_OKFOVRL1J m.Save VALID
*
* Function Origin:
*
* From Platform: MS-DOS Record Number: 12
* From Screen: HMCFEI,
* Variable: m.Save
* Called By: VALID Clause
* Object Type: Push Button
* Snippet Number: 10

```

```

920 *
921 *
922 *
923 *
924 *
925 *
926 *
927 *
928 *
929 *
930 *
931 *
932 *
933 * * did the record change
934 * FUNCTION _okfovrl1j  && m.Save VALID
935 * #REGION 1_<del>okfovrl1j
936 * DO CHANGE
937 *
938 * IF m.save = 1 && Selected Save Button
939 * [
940 *   IF m.adding && Adding a new record
941 *     APPEND BLANK
942 *     GATHER MEMVAR
943 *   ]
944 *   ]
945 *   IF m.change && Changing an old record
946 *     ]
947 *     ]
948 *     ]
949 *
950 * SCATTER MEMVAR
951 * IF m.hmcfeid>0
952 *   m.answr=get_hmcf(m.hmcfid)
953 * ]
954 *   ]
955 *   ]
956 *
957 * IF m.hmcfeid>0
958 *   m.hmcfe=get_hmcfe(m.hmcfeid)
959 * ]
960 *   ]
961 *   ]
962 *   m.oldhmcfe=m.hmcfe
963 *   m.oldanswr=m.answr
964 *   SHOW GETS
965 *   SHOW GET action enabled
966 *   SHOW GET m.factor enabled
967 *   SHOW GET m.element disabled
968 *   SHOW GET SAVE disabled
969 *   SHOW GET m.hmcfe disabled
970 *   SHOW GET m.hmcfei disabled
971 *   SHOW GET m.hmcfeino disabled
972 *   SHOW GET m.hmcfeicost disabled
973 *   SHOW GET m.answr disabled
974 *
975 * m.adding=.f.
976 * m.change=.f.
977 * m.editing = .f.
978 * *: EOF: HMCFEI.AC1

```



```

1  *
2  *
3  *
4  *
5  *
6  *
7  *
8  *
9  *
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```

```
12/01/93      HMCOMP.SPR      09:52:44
```

```

Author's Name
Copyright (c) 1993 Company Name
Address
City,      Zip
Description:
This program was automatically generated by GENSCRN.

```

```
PARAMETERS chmscid, chmscname
```

```
HMCOMP/MS-DOS Setup Code - SECTION 1
```

```
#REGION 1
```

```

IF PARAMETER( ) = 0
RETURN
ENDIF

```

```
#REGION 0
REGIONAL m.currarea, m.talkstat, m.compstat
```

```

IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

```
MS-DOS Window definitions
```

```

IF NOT WEXIST("w_hmcost") ;
OR UPPER(UTITLE("w_hmcost")) == "w_hmcost.p.jx" ;
OR UPPER(UTITLE("w_hmcost")) == "w_hmcost.sck" ;
OR UPPER(UTITLE("w_hmcost")) == "w_hmcost.mfx" ;
OR UPPER(UTITLE("w_hmcost")) == "w_hmcost.prg" ;
OR UPPER(UTITLE("w_hmcost")) == "w_hmcost.frx" ;
OR UPPER(UTITLE("w_hmcost")) == "w_hmcost.opr" ;
DEFINE WINDOW w_hmcost ;
FROM INT((SRON()-22)/2), INT((SCOL()-76)/2) ;
TO INT((SRON()-22)/2)+21, INT((SCOL()-76)/2)+75 ;
TITLE "COMPUTE COST VALUE" ;
NOFLOAT ;
NOCLOSE ;
SHADOW ;

```

```
HMCOMP.AC1 12-1-93 11:32a
```

```

nominimize ;
DOUBLE ;
COLOR SCHEME 1

```

```
ENDIF
```

```
HMCOMP/MS-DOS Setup Code - SECTION 2
```

```

*
*
*
*
*
#REGION 1
molderr = ON("ERROR")
msafe = SET("safety")
SET SAFETY OFF
ON ERROR
DO OPEN
DECLARE stepparray[1]
m.step = 1

```

```
DECLARE hmatarray[1]
```

```
m.hmat = 1
```

```
DECLARE factarray[1]
```

```
m.fact = 1
```

```
DECLARE phasearray[1]
```

```
m.phase = 1
```

```
newline = CHR(10) + CHR(13)
```

```
m.finalstr = ""
```

```
m.sample = 200
```

```
STORE 1 TO m.bbstep, m.bbmat, m.bbfact, m.bbstep, m.bbph
```

```
=> ase
```

```
SELECT hmtab
```

```
COPY STRUC TO hmcomp
```

```
USE
```

```
SELECT 0
```

```
USE hmcomp
```

```
DO get_hmarray
```

```
HMCOMP/MS-DOS Screen Layout
```

```

*
*
*
*
*
#REGION 1
IF WVISIBLE("w_hmcost")
ACTIVATE WINDOW w_hmcost SAME
ELSE
ACTIVATE WINDOW w_hmcost NOSHOW
ENDIF
@ 12,40 SAY "at step:" ;
@ SIZE 1,8,0
@ 6,8 SAY "for Step:" ;
@ SIZE 1,9,0
@ 9,8 SAY "for Factor:" ;
@ SIZE 1,11,0
@ 12,8 SAY "for Factor:" ;
@ SIZE 1,11,0
@ 15,8 SAY "for Phase:" ;

```

```
Page 1 of 11
```

```

132 SIZE 1,10,0
133 a 1,25 SAY "Scenario:";
134 SIZE 1,9,0
135 a 17,21 SAY "Total of Scenario cost:";
136 SIZE 1,23,0
137 a 16,1 TO 19,19
138 a 0,1 SAY "Estimated";
139 SIZE 1,9,0
140 a 1,2 SAY "Cost";
141 SIZE 1,4,0
142 a 0,64 SAY "Estimated";
143 SIZE 1,9,0
144 a 1,65 SAY "Variance";
145 SIZE 1,8,0
146 a 17,3 SAY "of Iterations";
147 SIZE 1,15,0
148 a 1,34 GET m.chmscid;
149 SIZE 1,3,0
150 DEFAULT 0;
151 PICTURE "a2";
152 DISABLE
153 a 1,38 GET m.chmscname;
154 SIZE 1,15,0
155 DEFAULT " ";
156 PICTURE "a1";
157 DISABLE
158 a 3,8 SAY "for Product:";
159 SIZE 1,12,0
160 a 2,21 GET m.hmat;
161 PICTURE "a";
162 FROM hmatarray;
163 SIZE 3,42;
164 DEFAULT 1;
165 COLOR SCHEME 1, 2
166 a 5,21 GET m.step;
167 PICTURE "a";
168 FROM steparray;
169 SIZE 3,42;
170 DEFAULT 1;
171 COLOR SCHEME 1, 2
172 a 6,2 GET m.cstep;
173 PICTURE "a";
174 SIZE 1,5,0;
175 DEFAULT 0;
176 a 6,67 GET m.bstep;
177 PICTURE "a";
178 SIZE 1,5,0;
179 DEFAULT 0;
180 VALID qle016b8t()
181 a 8,21 GET m.fact;
182 PICTURE "a";
183 FROM factarray;
184 SIZE 3,42;
185 DEFAULT 1;
186 COLOR SCHEME 1, 2
187 a 9,2 GET m.cfact;
188 PICTURE "a";
189 SIZE 1,5,0;
190 DEFAULT 0;
191 a 9,67 GET m.bfact;
192 PICTURE "a";
193 SIZE 1,5,0;
194 DEFAULT 0;
195 VALID qle016biv()
196 a 11,21 GET m.wfact;
197 PICTURE "a";
198 FROM factarray;
199 SIZE 3,19;
200 DEFAULT 1;
201 COLOR SCHEME 1, 2
202 a 11,48 GET m.wstep;
203 PICTURE "a";
204 FROM steparray;
205 SIZE 3,15;
206 DEFAULT 1;
207 COLOR SCHEME 1, 2
208 a 12,2 GET m.cwstep;
209 PICTURE "a";
210 SIZE 1,5,0;
211 DEFAULT 0;
212 a 12,67 GET m.bwstep;
213 PICTURE "a";
214 SIZE 1,5,0;
215 DEFAULT 0;
216 VALID qle016br7()
217 a 14,21 GET m.phase;
218 PICTURE "a";
219 FROM phasearray;
220 SIZE 3,42;
221 DEFAULT 1;
222 COLOR SCHEME 1, 2
223 a 15,2 GET m.cphase;
224 PICTURE "a";
225 SIZE 1,5,0;
226 DEFAULT 0;
227 a 15,67 GET m.bphase;
228 PICTURE "a";
229 SIZE 1,5,0;
230 DEFAULT 0;
231 VALID qle016bvm()
232 a 17,47 GET m.scost;
233 PICTURE "a";
234 SIZE 1,10,0;
235 DEFAULT 2;
236 a 18,5 GET m.sample;
237 SIZE 1,12;
238 DEFAULT 0;
239 PICTURE "a";
240 VALID qle016c5n()
241 a 19,24 GET m.action;
242 PICTURE "a";
243 SIZE 1,8,3;
244 DEFAULT 1;
245 VALID qle016cb0()
246
247 [ IF NOT WWISIBLE("w_hmcost")
248 ACTIVATE WINDOW w_hmcost
249 ]
250 ]
251 ENDIF
252 READ CYCLE MODAL
253 RELEASE WINDOW w_hmcost
254 #REGION 0
255 [ IF m.talkstat = "ON"
256 SET TALK ON
257 ]
258 ]
259 [ IF m.comostat = "ON"
260 SET COMPATIBLE ON
261 ]
262 ]
263 ]

```

HMCOMP/MS-DOS Cleanup Code

```

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HMCOMP/MS-DOS Supporting Procedures and Functions

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```

```

PARAMETER success
IF !m.success
  =errmsg("file doesn't exist !!!!!", 2)
  -CANCEL
-ENDIF
RETURN

*****
PROCEDURE get_hmarray
*****
PRIVATE msel
msel = SELECT(
  SELECT *,
  FROM hmstep;
  WHERE hmstepid = chmscid;
  INTO TABLE hmtemp

SELECT hmtemp
SET RELATION TO hmtemp INTO hmtemp
IF RECCOUNT() > 0
  DECLARE steparray[RECCOUNT(), 2]
  i = 0
  j = 0
-SCAN
  i = i + 1
  steparray[i, 1] = STR(hmstep)
  steparray[i, 2] = RECCOUNT()
  DO get_table WITH hmtempid, hmtempid, hmtempid
  m.lcphase = ALLTRIM(hmtempid)
  IF ASCAN(phasearray, lcphase) = 0
    j = j + 1
    DECLARE phasearray[i, 2]
    phasearray[i, 1] = ALLTRIM(hmtempid)
    phasearray[i, 2] = hmtempid
  -ENDIF
-EMDSKAN
IF i > 1
  DECLARE steparray[i+1, 2]
  =AINS(steparray, 1)
  steparray[i, 1] = "All Steps"
  steparray[i, 2] = 0
-ENDIF

IF j > 1
  DECLARE phasearray[j + 1, 2]
  =AINS(phasearray, 1)
  phasearray[1, 1] = "All phases"
  phasearray[1, 2] = 0
-ENDIF
SET RELATION TO && close relationship

SELECT hmcomp
IF RECCOUNT() > 0
  * Create array for factor
  SET RELATION TO hmtempid INTO hmtemp
  i = 0
-SCAN
  factor = ALLTRIM(hmtempid)
  IF ASCAN(factorarray, factor) = 0
    i = i + 1
    DECLARE factarray[i, 2]
    factarray[i, 1] = ALLTRIM(hmtempid)
    factarray[i, 2] = hmtempid
  -ENDIF
-EMDSKAN
ASORT = (factarray)

```

```

396 IF i > 1
397 DECLARE factarray[i+1,2]
398 =AINS(factarray,1)
399 factarray[1,1] = "All factors"
400 factarray[1,2] = 0
401 ENDIF
402 * Create array for material
403 SET RELATION TO hmatid INTO hmat
404 i = 0
405 SCAN
406 material = ALLTRIM(hmat.hmatname) + IIF(EMPTY(hmat.mfg),"","")
407 IF ASCAN(hmatarray, material) = 0
408 i = i + 1
409 DECLARE hmatarray[i, 2]
410 hmatarray[1,1] = ALLTRIM(hmat.hmatname) + IIF(EMPTY(hmat.
411 mfg) "" " + ALLTRIM(hmat.mfg) + " ")
412 hmatarray[1,2] = hmatid
413 ENDIF
414 ASORT = (hmatarray)
415 IF i > 1
416 DECLARE hmatarray[i+1,2]
417 =AINS(hmatarray,1)
418 hmatarray[1,1] = "All products"
419 hmatarray[1,2] = 0
420 ENDIF
421 ENDIF
422 SELECT (msel)
423 RETURN
424 *****
425 PROCEDURE get table
426 *****
427 PARAMETER comid, lcid, wpid
428 PRIVATE msel
429 msel = SELECT(
430 FROM hmtab;
431 WHERE hmcomid = m.comid AND hmlcid = m.lcid AND hmpid = m.wpid;
432 INTO TABLE temp
433 SELECT hmcomp
434 APPEND FROM temp
435 SELECT (msel)
436 RETURN
437 *****
438 PROCEDURE compute
439 *****
440 PUBLIC asize
441 IF hmatarray[m.hmat,2] = 0
442 asize = ALEN(hmatarray,1)
443 FOR INDEX = 2 TO asize
444 = subcomput(ALLTRIM(hmatarray[index,1]), hmatarray[index,2])
445 ENDFOR
446 ELSE
447 = subcomput(ALLTRIM(hmatarray[m.hmat,1]), hmatarray[m.hmat,2])
448 ENDIF
449 DO DISPLAY WITH m.finalstr
450 RETURN
451 *****
452 *****
453 *****
454 *****
455 *****
456 *****
457 *****
458 *****
459 *****

```

```

460 *****
461 PROCEDURE subcomput
462 *****
463 PARAMETER m.ihmatname, m.ihmatid
464 PRIVATE msel
465 msel = SELECT(
466 scentotal = 0
467 DIMENSION steptotal[1], hmattotal[1], facttotal[1], wfacttotal[1], phas
=> etotal[1]
468 IF m.cstep = 1
469 IF steptotal[m.step,2] = 0
470 SELECT hmtemp
471 GO TOP
472 DIMENSION steptotal[RECCOUNT()]
473 i = 0
474 SCAN
475 i = i + 1
476 m.stotal = computstep(hmtemp.hmcomid, m.ihmatid, hmtemp.hmlc
=> id, hmtemp.hmpid, hmtemp.pernum, hmtemp.durnum, hmtemp.qtynum)
477 steptotal[i] = ALLTRIM(STR(hmstep)) + u + ALLTRIM(STR(m.stot
=> al,8,2))
478 scentotal = scentotal + m.stotal
479 ENDSCAN
480 ELSE
481 DIMENSION steptotal[1]
482 SELECT hmtemp
483 GO steptotal[m.step,2]
484 m.stotal = computstep(hmtemp.hmcomid, m.ihmatid, hmtemp.hmlcid,
=> hmtemp.hmpid, hmtemp.pernum, hmtemp.durnum, hmtemp.qtynum)
485 steptotal[i] = ALLTRIM(STR(hmtemp.hmstep)) + u + ALLTRIM(STR(m.
=> stotal,8,2))
486 ENDIF
487 IF m.scost = 1
488 IF EMPTY(scentotal)
489 SELECT hmtemp
490 GO TOP
491 SCATTER MHWAR
492 m.stotal = computstep(m.hmcomid, m.ihmatid, m.hmlcid, m.hmpid
=> id, m.pernum, m.durnum, m.qtynum)
493 scentotal = scentotal + m.stotal
494 ENDSCAN
495 ENDIF
496 IF m.cfact = 1
497 IF factarray[m.fact,2] = 0
498 SIZE = ALEN(factarray,1)
499 DIMENSION facttotal[SIZE - 1]
500 FOR j = 2 TO SIZE
501 facttotal[j - 1] = ALLTRIM(factarray[j,1]) + u + ALLTRIM(STR
=> (m.stotal,8,2))
502 ENDFOR
503 ELSE
504 DIMENSION facttotal[1]
505 m.stotal = computfact(factarray[m.fact,2], m.ihmatid)
506 facttotal = ALLTRIM(factarray[m.fact,1]) + u + ALLTRIM(STR(m.sto
=> tal,8,2))
507 ENDIF
508 ENDIF
509 *****
510 *****
511 *****
512 *****
513 *****
514 *****
515 *****
516 *****
517 *****

```

```

569 finalstr = IF(EMPTY(finalstr), finalstr + newline + newline, "" )
570 finalstr = finalstr + getstr(m.hmatname, scentotal, asteptotal, afac
571 SELECT (msel)
572 RETURN
573 *****
574 PROCEDURE hmbrowse
575 *****
576 PRIVATE msel
577 msel = SELECT( )
578 m.title = "SCENARIO: " + ALLTRIM(UPPER(chmscname) )
579 SELECT hmttemp
580 SET RELATION TO hmcid INTO hmcid
581 SET RELATION TO hmlcid INTO hmlcid ADDITIVE
582 SET RELATION TO hmpid INTO hmpid ADDITIVE
583 BROWSE FIELDS hmtstep:4:H="STEP", hmcid:common:30:H="Material",;
584 hmlc:hmlc:30:H="Life cycle Phase",;
585 hmpid:hmpid:30:H="Working process",;
586 pernum:5:H="# of Employee",;
587 durnum:5:H="Number of Time",;
588 qtnum:5:H="# of Quantity" NOMODIFY NORMAL TITLE m.title
589
590 RETURN (msel)
591 *****
592 FUNCTION computstep
593 *****
594 PARAMETER com, hmat, lcpase, wp, sn, sd, sq
595
596 PRIVATE msel
597 msel = SELECT( )
598 SELECT SUM(hmcid*wtaverage), 0000.00, hmcid.hmatid, hmcid.hmttemp,
599 hmcid.hmlcid,;
600 FROM hmcid, hmcid.hmatid, hmcid.perp, hmcid.perq, hmcid.hmatid, hmcid.hmttemp, hmcid.hmlcid,;
601 WHERE hmcid.hmatid = m.com;
602 AND hmcid.hmatid = m.hmat;
603 AND hmcid.hmlcid = m.lcpase;
604 AND hmcid.hmpid = m.wp;
605 GROUP BY hmcid.hmatid, hmcid.hmatid, hmcid.hmatid, hmcid.hmatid;
606 INTO TABLE test
607 m.sum = CALCULATE(sn, sd, sq)
608
609 SELECT (msel)
610 RETURN m.sum
611 *****
612 FUNCTION factname
613 *****
614 PARAMETER mfactid
615 PRIVATE j
616 mname = ""
617 j = ASCAN(factarray, mfactid)
618 * FOR j = 1 TO ALLEN(factarray, 1)
619 mname = ALLTRIM(factarray[j - 1])
620 RETURN mname
621 *****
622 FUNCTION computfact
623 *****
624 PARAMETER m.factid, m.hmatid
625 PRIVATE msel

```

```

518 IF m.cwstep = 1
519 IF factarray[m.wfact,2] = 0
520 SIZE = ALLEN(factarray,1)
521 DIMENSION wfacttotal[SIZE - 1]
522 FOR j = 2 TO SIZE
523 m.result = computwfact(factarray[j,2], m.ihmatid)
524 wfacttotal[j - 1] = ALLTRIM(factarray[j,1]) + u + ALLTRIM(m.
525 => result)
526 LENDFOR
527 ELSE
528 DIMENSION wfacttotal[1]
529 m.result = computwfact(factarray[m.wfact,2], m.ihmatid)
530 wfacttotal[1] = ALLTRIM(factarray[m.wfact,1]) + u + ALLTRIM(m.re
531 => sult)
532 LENDIF
533
534 IF m.cphase = 1
535 IF phasearray[m.phase,2] = 0
536 SIZE = ALLEN(phasearray,1)
537 DIMENSION phasetotal[SIZE-1]
538 FOR j = 2 TO SIZE
539 m.stotal = computphase(phasearray[j,2], m.ihmatid)
540 phasetotal[j - 1] = ALLTRIM(phasearray[j,1]) + u + ALLTRIM(
541 => STR(m.stotal,8,2))
542 LENDFOR
543 ELSE
544 DIMENSION phasetotal[1]
545 m.stotal = computphase(phasearray[m.phase,2], m.ihmatid)
546 phasetotal[1] = ALLTRIM(phasearray[m.phase,1]) + u + ALLTRIM(ST
547 => R(m.stotal,8,2))
548 LENDIF
549
550 nl = CHR(10) + CHR(13)
551 DO CASE
552 CASE m.bstep = 1
553 SELECT hmttemp
554 GO steparray[m.bstep,2]
555 m.btotal = bstep(m.ihmatid, hmttemp.hmlcid, hmttemp.hmpid, hmttemp.p
556 ernum, hmttemp.durnum, hmttemp.qtnum)
557 bootstrap = "The bootstrap for step "+ ALLTRIM(STR(hmttemp.hmtstep))
558 => " " + nl + SPACE(5) + "Standard deviation - " + dp(m.btotal,u,1) +
559 SPACE(10) + "Mean - " + dp(m.btotal, u,2)
560
561 CASE m.bfact = 1
562 m.btotal = bfact(factarray[m.bfact,2], m.ihmatid)
563 bootstrap = "The bootstrap for factor "+ ALLTRIM(factarray[m.bbfac
564 => t,1]) + " " + nl + SPACE(5) + "Standard deviation - " + dp(m.btotal,u,1)
565 + SPACE(10) + "Mean - " + dp(m.btotal, u,2)
566
567 CASE m.bwstep = 1
568 m.btotal = bwstep(factarray[m.bbwfact,2], steparray[m.bbwstep,2],
569 m.ihmatid)
570 bootstrap = "The bootstrap for factor " + ALLTRIM(factarray[m.bbwf
571 => act,1]) + " within step " + ALLTRIM(steparray[m.bbwstep,1]) + " " + nl + S
572 PACE(5) + "Standard deviation - " + dp(m.btotal,u,1) + SPACE(10) + "Mean
573 => " + dp(m.btotal, u,2)
574
575 CASE m.bphase = 1
576 m.btotal = bphase(phasearray[m.bbphase,2], m.ihmatid)
577 bootstrap = "The bootstrap for phase "+ ALLTRIM(phasearray[m.bbpha
578 => se,1]) + " " + nl + SPACE(5) + "Standard deviation - " + dp(m.btotal,u,1)
579 + SPACE(10) + "Mean - " + dp(m.btotal, u,2)
580 LENDCASE

```

```

632 IF PARAMETER() = 0
633 RETURN 0
634 ENDIF
635 msel = SELECT()
636 SELECT hntemp
637 GO TOP
638 m.sum = 0
639 SCAN
640 m.wpid = hntemp.hmwpid
641 m.comid = hntemp.hmcomid
642 m.lcid = hntemp.hmlcid
643 SELECT SUM(hmcomp.wtaverage),0000.00, hmcomp.hmetid, hmcomp.hmetpr
=> ob;
644 hmcomp.hmcfeid, hmcomp.hmcfeid, hmcomp.perp, hmcomp.perd
=> hmunit;
645 FROM hmcomp;
646 WHERE hmcomp.hmcomid = m.comid;
647 AND hmcomp.hmetid = m.hmetid;
648 AND hmcomp.hmlcid = m.lcid;
649 AND hmcomp.hmwpid = m.wpid;
650 AND hmcomp.hmcfeid = m.factid;
651 GROUP BY hmcomp.hmetid, hmcomp.hmcfeid, hmcomp.hmcfeid;
652 ORDER BY hmcomp.hmetid;
653 INTO TABLE test
654 m.sum = m.sum + CALCULATE(hntemp.pernum, hntemp.durnum, hntemp.qty)
=> num;
655 ENDSCAN
656 SELECT (msel)
657 RETURN m.sum
658 *****
659 FUNCTION computwfact
660 *****
661 PARAMETER m.factid, m.hmatid
662 PRIVATE msel
663 IF PARAMETER() = 0
664 RETURN 0
665 ENDIF
666 msel = SELECT()
667 IF steparray(m.wstep,2) = 0
668 SELECT hntemp
669 m.resul = ""
670 GO TOP
671 SCAN
672 m.comid = hntemp.hmcomid
673 m.lcid = hntemp.hmlcid
674 m.wpid = hntemp.hmwpid
675 SELECT SUM(hmcomp.wtaverage),0000.00, hmcomp.hmetid, hmcomp.hme
=> tprob, hmcomp.hmcfeid, hmcomp.perp, hmcomp.perd, hmcomp.perq, hmco
=> mp.hmunit;
676 FROM hmcomp;
677 WHERE hmcomp.hmcomid = m.comid;
678 AND hmcomp.hmetid = m.hmetid;
679 AND hmcomp.hmlcid = m.lcid;
680 AND hmcomp.hmwpid = m.wpid;
681 AND hmcomp.hmcfeid = m.factid;
682 GROUP BY hmcomp.hmetid, hmcomp.hmcfeid, hmcomp.hmcfeid;
683 ORDER BY hmcomp.hmetid;
684 INTO TABLE test
685 m.resul = IIF(EMPTY(m.resul), "", m.resul + u) + ALLTRIM(STR(hm
=> temp.hmetpr) + ".*" + ALLTRIM(STR(CALCULATE(hntemp.pernum, hntemp.durnum, h
=> hntemp.qty),8,2)))
686 ENDSCAN
687 ELSE
688

```

```

691 SELECT hntemp
692 GO (steparray(m.wstep,2)
693 m.comid = hntemp.hmcomid
694 m.lcid = hntemp.hmlcid
695 m.wpid = hntemp.hmwpid
696 SELECT SUM(hmcomp.wtaverage),0000.00, hmcomp.hmetid, hmcomp.hmetpr
=> ob, hmcomp.hmcfeid,
697 hmcomp.hmcfeid, hmcomp.perp, hmcomp.perd, hmcomp.perq, hmcomp.
=> hmunit;
698 FROM hmcomp;
699 WHERE hmcomp.hmcomid = m.comid;
700 AND hmcomp.hmetid = m.hmetid;
701 AND hmcomp.hmlcid = m.lcid;
702 AND hmcomp.hmwpid = m.wpid;
703 AND hmcomp.hmcfeid = m.factid;
704 GROUP BY hmcomp.hmetid, hmcomp.hmcfeid, hmcomp.hmcfeid;
705 ORDER BY hmcomp.hmetid;
706 INTO TABLE test
707 m.resul = ALLTRIM(STR(hntemp.hmetpr) + ".*" + ALLTRIM(STR(CALCULAT
=> E(hntemp.pernum, hntemp.durnum, hntemp.qty),8,2)))
708 ENDIF
709 SELECT (msel)
710 RETURN m.resul
711 *****
712 FUNCTION computphase
713 *****
714 PARAMETER m.phaseid, m.hmatid
715 PRIVATE m.sum,msel
716 IF PARAMETER() = 0
717 RETURN 0
718 ENDIF
719 msel = SELECT()
720 SELECT hntemp
721 GO TOP
722 m.sum = 0
723 SCAN
724 IF hmlcid = m.phaseid
725 m.comid = hntemp.hmcomid
726 m.lcid = hntemp.hmlcid
727 m.wpid = hntemp.hmwpid
728 SELECT SUM(hmcomp.wtaverage),0000.00, hmcomp.hmetid, hmcomp.hme
=> tprob, hmcomp.hmcfeid,
729 hmcomp.hmcfeid, hmcomp.perp, hmcomp.perd, hmcomp.perq, hmco
=> mp.hmunit;
730 FROM hmcomp;
731 WHERE hmcomp.hmcomid = m.comid;
732 AND hmcomp.hmetid = m.hmetid;
733 AND hmcomp.hmlcid = m.lcid;
734 AND hmcomp.hmwpid = m.wpid;
735 GROUP BY hmcomp.hmetid, hmcomp.hmcfeid, hmcomp.hmcfeid;
736 ORDER BY hmcomp.hmetid;
737 INTO TABLE test
738 m.sum = m.sum + CALCULATE(hntemp.pernum, hntemp.durnum, hntemp.
=> qty),8,2)))
739 ENDIF
740 ENDSCAN
741 SELECT (msel)
742 RETURN m.sum
743 *****
744 FUNCTION CALCULATE
745 *****
746 PARAMETER sn, sd, sq
747 PRIVATE msel

```

```

751 msel = SELECT()
752 IF IUSED("test")
753 RETURN 0
754 ENDIF
755 SELECT test
756 t = 0
757 IF RECCOUNT() > 0
758 SCAN
759 s = 1
760 IF perp = 1
761 s = s * sn
762 ENDIF
763 IF perq = 1
764 s = s * sd
765 ENDIF
766 IF perq = 1
767 s = s * sq
768 ENDIF
769 s = sum_wtaver * s
770 REPLACE_exp_2 WITH s
771 ENDSCAN
772 ENDIF
773
774 SELECT SUM(exp_2), hmetprob;
775 FROM test;
776 GROUP BY hmetid;
777 INTO CURSOR EXP;
778
779
780 SELECT EXP
781 IF RECCOUNT() > 0
782 t = 0
783 SCAN
784 IF EMPTY(hmetprob)
785 hmetprob = 11F(RECNO())=1,1,.01)
786 ENDIF
787 t = t + (sum_exp_2 * hmetprob)
788 ENDSCAN
789 ENDIF
790 =del{file('EXP')}
791 SELECT (msel)
792 RETURN t
793
794 *****
795 FUNCTION resetwt
796 *****
797 PARAMETER metid, lcpfase, wp
798 msel = SELECT()
799 SELECT test
800 SCAN
801 m.wt = selwt(m.metid, m.lcpfase, m.wp, test.hmetid, test.hmcfid, t
=> est.hmcfid)
802 REPLACE sum_wtaver WITH m.wt
803 ENDSCAN
804 SELECT (msel)
805 RETURN
806
807 *****
808 FUNCTION selwt
809 *****
810 PARAMETER metid, lcpfase, wp, metid, cfid, cfeid
811 msel = SELECT()
812 SELECT hmcfcost, prob;
813 FROM hmtab;
814 WHERE hmtab.hmetid = m.metid;
815 AND hmtab.hmcfcid = m.lcpfase;
816 AND hmtab.hmmpid = m.wp;

```

```

816 AND hmtab.hmetid = m.metid;
817 AND hmtab.hmcfcid = m.cfid;
818 AND hmtab.hmmpid = m.wp;
819 INTO TABLE test1
820
821 SELECT test1
822 m.random = RAND()
823 m.wt = 0
824 m.start = 0
825 m.end = 0
826 SCAN
827 m.end = 11F(EMPTY(m.end), test1.prob, END + test1.prob)
828 IF m.random > m.start AND m.random < m.end
829 m.wt = test1.hmcfcost
830 EXIT
831 ENDIF
832 m.start = m.start + test1.prob
833 ENDSCAN
834 =del{file('test1')}
835 SELECT (msel)
836 RETURN m.wt
837
838 *****
839 FUNCTION setupboot
840 *****
841 DO CASE
842 CASE m.bstep = 1
843 IF stepparray[m.step,2] = 0
844 =ACOPY(stepparray, temparray)
845 =ADEL(temparray, 1)
846 DECLARE temparray(ALEN(temparray,1) - 1,2)
847 m.temp = bselect@temparray,"Select step: "
848 IF EMPTY(m.temp)
849 =errmsg("No Bootstrap computing...")
850 m.bstep = 0
851 ELSE
852 m.pos = ASCAN(m.stepparray, m.temp)
853 m.bbstep = ASUBSCRIPT(m.stepparray, m.pos, 1)
854 ENDIF
855 RELEASE temparray
856 ELSE
857 m.bbstep = m.step
858 ENDIF
859
860 CASE m.bfact = 1
861 IF factarray[m.fact,2] = 0
862 =ACOPY(factarray, temparray)
863 =ADEL(temparray, 1)
864 DECLARE temparray(ALEN(temparray,1) - 1,2)
865 m.temp = bselect@temparray,"Select factor: "
866 IF EMPTY(m.temp)
867 =errmsg("No Bootstrap computing...")
868 m.bfact = 0
869 ELSE
870 m.pos = ASCAN(m.factarray, m.temp)
871 m.bbfact = ASUBSCRIPT(m.factarray, m.pos, 1)
872 ENDIF
873 RELEASE temparray
874 ELSE
875 m.bbfact = m.fact
876 ENDIF
877
878 CASE m.bwstep = 1
879 IF stepparray[m.wstep,2] = 0 OR factarray[m.wfact,2] = 0
880 =ACOPY(factarray, temparray)
881 IF temparray[1,2] = 0

```

```

882 =ADEL(temparray,1)
883 DECLARE temparray(ALEN(temparray,1) - 1,2)
884 ENDIF
885 =ACOPY(steparray, temparray)
886 IF temparray[1,2]= 0
887 =ADEL(temparray,1)
888 DECLARE temparray1(ALEN(temparray,1) - 1,2)
889 ENDIF
890 m.temp = bwfact@temparray,@temparray)
891 IF EMPTY(m.temp)
892 =errmsg("No Bootstrap computing...")
893 m.bwstep = 0
894 ELSE
895 m.pos = ASCAN(factarray,dp(m.temp, u,1))
896 m.bbifact = ASUBSCRIPT(m.factarray,m.pos,1)
897 m.pos = ASCAN(steparray,dp(m.temp, u,2))
898 m.bbistep = ASUBSCRIPT(m.steparray,m.pos,1)
899 ENDIF
900 RELEASE temparray, temparray1)
901 ELSE
902 m.bbwestep = m.step
903 m.bbifact = m.fact
904 ENDIF
905
906
907
908
909
910 CASE m.bphase = 1
911 IF phasearray[m.phase,2] = 0
912 =ACOPY(phasearray, temparray)
913 =ADEL(temparray,1)
914 DECLARE temparray1(ALEN(temparray,1) - 1,2)
915 m.temp = bselect(@temparray,"Select Life cycle phase:")
916 IF EMPTY(m.temp)
917 =errmsg("No Bootstrap computing...")
918 m.bphase = 0
919 ELSE
920 m.pos = ASCAN(phasearray, m.temp)
921 m.bbphase = ASUBSCRIPT(m.phasearray,m.pos,1)
922 ENDIF
923 ELSE
924 m.bbphase = m.phase
925 ENDIF
926 END CASE
927 SHOW GETS
928 RETURN
929
930 *****
931 FUNCTION bstep
932 *****
933 PARAMETER mat, lcpbase, wp, sn, sd, sq
934 GREAT TABLE boot (cost N(10,2))
935 m.boot = ""
936 SELECT SUM(hmcomp.wtaverage), 0000.00, hmcomp.hmetid, hmcomp.hmatprob
937 hmcomp.hmcfid, hmcomp.perp, hmcomp.perd, hmcomp.perq, hmcomp.hmu
938 => nit;
939 FROM hmcomp;
940 WHERE hmcomp.hmetid = m.mat;
941 AND hmcomp.hmcfid = m.lcpbase;
942 AND hmcomp.hmwpid = m.wp;
943 GROUP BY hmcomp.hmetid, hmcomp.hmcfid, hmcomp.hmatprob;
944 ORDER BY hmcomp.hmetid;
945 INTO TABLE test
946
947 FOR i = 1 TO m.sample
948 = resetwt(m.mat, m.lcpbase, m.wp)
949 m.sum = CALCULATE(sn, sd, sq)
950 SELECT boot
951
952
953
954
955
956
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1010 SELECT hmtemp
1011 GO (m.stepid)
1012 m.comid = hmtemp.hmc.comid
1013 m.lcid = hmtemp.hmc.lcid
1014 m.wpid = hmtemp.hmc.wpid
1015 SELECT SUM(hmc.comp.wtaverage),0000.00, hmc.comp.hmetid, hmc.comp.hmetprob,
=> hmc.comp.hmcfeid;
1016 hmc.comp.hmcfeid, hmc.comp.perp, hmc.comp.perd, hmc.comp.perq, hmc.comp.hmu
=> nit;
1017 FROM hmc.comp;
1018 WHERE hmc.comp.hmc.comid = m.comid;
1019 AND hmc.comp.hmetid = m.hmetid;
1020 AND hmc.comp.hmc.lcid = m.lcid;
1021 AND hmc.comp.hmc.wpid = m.wpid;
1022 AND hmc.comp.hmcfeid = m.hmcfeid;
1023 GROUP BY hmc.comp.hmetid, hmc.comp.hmcfeid, hmc.comp.hmcfeid;
1024 ORDER BY hmc.comp.hmetid;
1025 INTO TABLE test
1026 FOR i = 1 TO m.sample
1027 =resetw(m.hmatid, m.lcid, m.wpid)
1028 m.sum = CALCULATE(hmtemp.perrnum, hmtemp.durnum, hmtemp.qtnum)
1029 SELECT boot
1030 APPEND BLANK
1031 REPLACE cost WITH m.sum
1032 ENDFOR
1033 SELECT boot
1034
1035 CALCULATE STD(cost), AVG(cost) TO m.std, m.mean
1036 m.boot = ALLTRIM(STR(m.std,8,4)) + u + ALLTRIM(STR(m.mean,8,2))
1037
1038 =delete('boot')
1039 RETURN m.boot
1040
1041 *****
1042 FUNCTION bphase
1043 *****
1044 PARAMETER m.phaseid, m.hmatid
1045
1046 PRIVATE m.sum,msel
1047 IF PARAMETER() = 0
1048 RETURN 0
1049 ENDIF
1050 m.boot = ""
1051 msel = SELECT()
1052 CREATE TABLE boot (cost N(10,2))
1053 FOR i = 1 TO m.sample
1054 SELECT hmtemp
1055 GO TOP
1056 m.sum = 0
1057 SCAN
1058 IF hmc.lcid = m.phaseid
1059 m.comid = hmtemp.hmc.comid
1060 m.lcid = hmtemp.hmc.lcid
1061 m.wpid = hmtemp.hmc.wpid
1062 SELECT SUM(hmc.comp.wtaverage),0000.00, hmc.comp.hmetid, hmc.comp.
=> hmc.comp.hmcfeid;
1064 hmc.comp.hmcfeid, hmc.comp.perp, hmc.comp.perd, hmc.comp.perq, h
=> hmc.comp.hmu;
1065 FROM hmc.comp;
1066 WHERE hmc.comp.hmc.comid = m.comid;
1067 AND hmc.comp.hmetid = m.hmetid;
1068 AND hmc.comp.hmc.lcid = m.lcid;
1069 AND hmc.comp.hmc.wpid = m.wpid;
1070 GROUP BY hmc.comp.hmetid, hmc.comp.hmcfeid, hmc.comp.hmcfeid;
1071 ORDER BY hmc.comp.hmetid;

```

```

1072 INTO TABLE test
1073 =resetw(m.hmatid, m.lcid, m.wpid)
1074 m.sum = m.sum + CALCULATE(hmtemp.perrnum, hmtemp.durnum, hmt
=> mp.qtnum)
1075 ENDIF
1076 ENDSCAN
1077 APPEND BLANK
1078 REPLACE cost WITH m.sum
1079 ENDFOR
1080 SELECT boot
1081 CALCULATE STD(cost), AVG(cost) TO m.std, m.mean
1082 m.boot = ALLTRIM(STR(m.std,8,4)) + u + ALLTRIM(STR(m.mean,8,2))
1083 =delete('boot')
1084 SELECT (msel)
1085 RETURN m.boot
1086
1087 *****
1088 FUNCTION getstr
1089 *****
1090 PARAMETERS hmatname, scentotal, steptotal, factotal, wfactotal, phase
=> total,
1092 bootstrap
1093 EXTERNAL ARRAY steptotal, factotal, wfactotal, phasetotal
1094 m.text = ""
1095 u = ""
1096 mindent = SPACE(5)
1097 m.text = hmatname + ":" + newline
1098 IF EMPTY(scentotal)
1099 m.text = m.text + mindent + "Total Cost of scenario" + ":" +
=> STR(scentotal,8,2) + newline
1100 m.text = m.text + newline
1101 ENDFOR
1102 IF EMPTY(steptotal)
1103 FOR i = 1 TO ALEN(steptotal)
1104 m.text = m.text + mindent + "Cost of STEP " + dp(steptotal[i],u
=> ,1) +
1105 ":" + dp(steptotal[i],u,2) + newline
1106 ENDFOR
1107 m.text = m.text + newline
1108 ENDFOR
1109 IF EMPTY(factotal)
1110 FOR i = 1 TO ALEN(factotal)
1111 m.text = m.text + mindent + "Cost of FACTOR " + dp(factotal[i],
=> u,1) +
1112 ":" + dp(factotal[i],u,2) + newline
1113 ENDFOR
1114 m.text = m.text + newline
1115 IF EMPTY(wfactotal)
1116 FOR i = 1 TO ALEN(wfactotal)
1117 m.wd = wfactotal[i]
1118 IF EMPTY(m.wd)
1119 m.fd = dp(m.wd,u,1)
1120 m.sd = dp(m.wd,u,2,999)
1121 DO WHILE EMPTY(m.sd)
1122 m.dd = dp(m.sd,u,1)
1123 IF OCCURS(u, m.sd) > 0
1124 m.sd = dp(m.sd,u,2,999)
1125 ELSE
1126 m.sd = ""
1127 ENDIF
1128 m.text = m.text + mindent + "Cost of FACTOR " + m.fd + "
=> within STEP " + dp(m.dd,"",1) + ":" + dp(m.dd,"",2) + newline
1129 ENDDO
1130 ENDFOR
1131 m.text = m.text + newline

```

```

1132 [END]IF
1133 [FOR i = 1 TO ALEN(phasetotal)]
1134 [m.text = m.text + mindent + "Cost of PHASE " + dp(phasetotal[i])
1135 [m.text = m.text + mindent + " + dp(phasetotal[i],u,2) + newline
1136 [m.text = m.text + newline
1137 [END]FOR
1138 [END]IF
1139 [IF IEMPTY(bootstrap)]
1140 [m.text = m.text + mindent + bootstrap + newline
1141 [END]IF
1142 RETURN m.text

```

```

_QLE0168BT      m.bstep VALID
Function Origin:
From Platform:  MS-DOS
From Screen:    HMCOMP,
Variable:       m.bstep
Called By:      VALID Clause
Object Type:    Check Box
Snippet Number: 1

```

```

1158 FUNCTION _qle016b8t  && m.bstep VALID
1159 #REGION 1
1160 [IF bstep = 1
1161 [bfact = 0
1162 [bstep = 0
1163 [bphase = 0
1164 [SHOW GETS
1165 [END]IF

```

```

_QLE01681V      m.bfact VALID
Function Origin:
From Platform:  MS-DOS
From Screen:    HMCOMP,
Variable:       m.bfact
Called By:      VALID Clause
Object Type:    Check Box
Snippet Number: 2

```

```

1184 FUNCTION _qle016biv  && m.bfact VALID
1185 #REGION 1
1186 [IF bfact = 1
1187 [bstep = 0
1188 [bstep = 0
1189 [bphase = 0
1190 [SHOW GETS
1191 [END]IF

```

```

1197 *_QLE0168R7      m.bstep VALID
1198 *Function Origin:
1199 *From Platform:  MS-DOS
1200 *From Screen:    HMCOMP,
1201 *Variable:       m.bstep
1202 *Called By:      VALID Clause
1203 *Object Type:    Check Box
1204 *Snippet Number: 3

```

```

1208 FUNCTION _qle016br7  && m.bstep VALID
1209 #REGION 1
1210 [IF bstep = 1
1211 [bfact = 0
1212 [bstep = 0
1213 [bphase = 0
1214 [SHOW GETS
1215 [END]IF

```

```

1222 *_QLE0168YN      m.bphase VALID
1223 *Function Origin:
1224 *From Platform:  MS-DOS
1225 *From Screen:    HMCOMP,
1226 *Variable:       m.bphase
1227 *Called By:      VALID Clause
1228 *Object Type:    Check Box
1229 *Snippet Number: 4

```

```

1233 FUNCTION _qle016bym  && m.bphase VALID
1234 #REGION 1
1235 [IF bphase = 1
1236 [bfact = 0
1237 [bstep = 0
1238 [bphase = 0
1239 [SHOW GETS
1240 [END]IF

```

```

1242 *_QLE016C5N      m.sample VALID
1243 *Function Origin:
1244 *From Platform:  MS-DOS
1245 *From Screen:    HMCOMP
1246 *Variable:       m.sample
1247 *Called By:      VALID Clause
1248 *Object Type:    Field
1249 *Snippet Number: 5

```

```

1250 FUNCTION _qle016c5n  && m.sample VALID
1251 #REGION 1
1252 [IF m.sample > 300

```

```

1263 RETURN .F.
1264 ENDIF
1265
1266
1267
1268
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1271
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1273
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1296

```

```

_qlEOL6CB0      m.action VALID
Function Origin:
From Platform:  MS-DOS
From Screen:   HMCOMP,
Variable:      m.action
Called By:     VALID Clause
Object Type:   Push Button
Snippet Number: 6

```

```

FUNCTION _qlE016cb0    && m.action VALID
#REGION 1
DO CASE
CASE m.action = 1
  =setupboot()
  wpop = popupshow("Calculating....")
DO compute
CLEAR READ
CASE m.action = 2
DO hmbrowse
CASE m.action = 3
CLEAR READ
ENDCASE
*: EOF: HMCOMP.AC1

```

```

1  *
2  *
3  *
4  *
5  *
6  *
7  *
8  *
9  *
10 *
11 *
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61 *
62 *
63 *
64 *
65 *
66 *

```

10/27/93	HMET.SPR	14:49:02
Author's Name		
Copyright (c) 1993 Company Name		
Address		
City, Zip		
Description: This program was automatically generated by GENSCRN.		

```

REGION 0
REGIONAL m.currearea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

MS-DOS Window definitions

```

IF NOT MEXIST("hmet");
OR UPPER(WTITLE("HMET")) = "HMET.PJX";
OR UPPER(WTITLE("HMET")) = "HMET.SCX";
OR UPPER(WTITLE("HMET")) = "HMET.MIN";
OR UPPER(WTITLE("HMET")) = "HMET.PRG";
OR UPPER(WTITLE("HMET")) = "HMET.FRX";
OR UPPER(WTITLE("HMET")) = "HMET.QPR";
DEFINE WINDOW hmet;
FROM INT((SROW()-12)/2), INT((SCOL()-52)/2);
TO INT((SROW()-12)/2)+11, INT((SCOL()-52)/2)+51;
NOFLOAT;
NOCLOSE;
SHADOW;
nomimize;
DOUBLE;
COLOR SCHEME 1
ENDIF

```

HMET/MS-DOS Setup Code - SECTION 2

```

REGION 1
PUSH KEY
*ON KEY LABEL ESC DO EscPressed

```

```

67 m.oldescape = SET( "ESCAPE" )
68 SET ESCAPE OFF
69 m.adding = .f.
70 m.change = .f.
71
72 CLOSE ALL
73 SELECT 0
74 USE hmet
75 SET ORDER TO TAG hmet OF hmet.cdx
76 *****
77 * Check see if the last record is defined
78 IF TYPE( "m.LastRec" ) = "U"
79 *****
80 * Start with the first record
81 GO TOP
82 m.lastrec = RECNO()
83
84
85 ELSE
86 * Start on the last record used
87 GO m.lastrec
88 *****
89 SCATTER MEMVAR
90 *****
91
92
93
94
95
96
97
98
99
100 #REGION 1
101 IF WVISIBLE("hmet")
102 ACTIVATE WINDOW hmet SAME
103 ELSE
104 ACTIVATE WINDOW hmet NOSHOW
105 ENDIF
106 @ 1,40 GET m.action;
107 PICTURE "g*VN \<Add;\<Edit;\|\<Next;\<Previous;\|?E\<xit" ;
108 SIZE 1,10,1;
109 DEFAULT 1;
110 VALID qkfvrbtbit()
111 @ 8,10 GET m.save;
112 PICTURE "g*HN \<Save;\<Cancel" ;
113 SIZE 1,8,1;
114 DEFAULT 1;
115 VALID qkfvrbpa() ;
116 DISABLE
117 @ 2,10 GET m.hmetid;
118 SIZE 1,10;
119 DEFAULT 0;
120 DISABLE
121 @ 4,10 GET m.hmet;
122 SIZE 1,28;
123 DEFAULT " ";
124 PICTURE "g*";
125 VALID qkfvrbt3()
126 @ 1,0 TO 9,30
127 @ 0,11 SAY "HM EXPOSURE TYPES" ;
128 SIZE 1,17,0
129 @ 2,2 SAY "ID NUM:" ;
130 SIZE 1,7,0
131 @ 4,3 SAY "TYPE:" ;
132 SIZE 1,6,0

```

HMET/MS-DOS Screen Layout

```

133 IF NOT UVISIBLE("hmet")
134 ACTIVATE WINDOW hmet
135 ENDIF
136
137 READ CYCLE
138 RELEASE WINDOW hmet
139
140 #REGION 0
141 IF m.talkstat = "ON"
142 SET TALK ON
143 ENDIF
144 IF m.compstat = "ON"
145 SET COMPATIBLE ON
146 ENDIF
147
148
149
150
151
152
153
154
155
156
157
158 #REGION 1
159 POP KEY ALL
160 SET ESCAPE &oldescape
161 ***** End of Main Body - Entry Cleanup
162 *****
163
164
165
166
167
168
169
170
171
172
173 #REGION 1
174 PROCEDURE CHANGE
175 *****
176 m.oldexact = SET("EXACT")
177 SET EXACT ON
178 m.change = (TRIM(hmet.hmet) <> TRIM(m.hmet))
179 SET EXACT &oldexact
180 RETURN m.change
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198

```

HMET/MS-DOS Cleanup Code

HMET/MS-DOS Supporting Procedures and Functions

```

*_OKFOVRBIT
Function Origin:
From Platform:
From Screen:
Variable:
Called By:
Object Type:
Snippet Number:
1
MS-DOS
HMET,
m.Action
VALID Clause
Push Button
Record Number:
3
m.Action VALID

```

```

199 #REGION 1
200 IF m.action = 1
201 SCATTER MEMVAR BLANK
202 m.hmetid=RECCOUNT()+1
203 SHOW GETS
204 SHOW GET action disabled
205 SHOW GET SAVE enabled
206 m.adding = .T.
207 ELSE
208
209 DO CASE
210 CASE m.action = 2
211 SHOW GETS
212 SHOW GET action disabled
213 SHOW GET SAVE enabled
214
215 CASE m.action = 3
216 SKIP
217 IF EOF()
218 ?? CHR( 7 )
219 WAIT "Last record" WINDOW NOWAIT
220 SKIP -1
221 ELSE
222 SCATTER MEMVAR
223 SHOW GETS
224 ENDIF
225
226 CASE m.action = 4
227 SKIP -1
228 IF BOF()
229 ?? CHR( 7 )
230 WAIT "First record" WINDOW NOWAIT
231 SKIP
232 ELSE
233 SCATTER MEMVAR
234 SHOW GETS
235 ENDIF
236
237 CASE m.action = 5
238 CLEAR READ
239 ENDCASE
240 ENDIF
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264

```

```

*_OKFOVRBPA
Function Origin:
From Platform:
From Screen:
Variable:
Called By:
Object Type:
Snippet Number:
2
m.Save VALID
MS-DOS
HMET,
m.Save
VALID Clause
Push Button
Record Number:
4

```

```

* did the record change && m.Save VALID
* FUNCTION _okf0vrbit && m.Save VALID
* #REGION 1
* DO CHANGE

```

```

265 IF m.save = 1 && Selected Save Button
266
267 IF m.adding && Adding a new record
268 APPEND BLANK
269 GATHER MENVAR
270
271 ENDIF
272
273 IF m.change && Changing an old record
274 GATHER MENVAR
275
276 ENDIF
277 ELSE
278 SCATTER MENVAR
279
280 ENDIF
281
282 SHOW GETS
283 SHOW GET action enabled
284 SHOW GET SAVE disabled
285
286 m.adding = .F.
287 m.change = .F.
288
289 *
290 *
291 *
292 *
293 *
294 *
295 *
296 *
297 *
298 *
299 *
300 *
301 *
302 *
303 *
304 *
305 *
306 *
307 *
308 *
309 *
310 *
311 *
312 *
313 *

```

```

_QKF0VRBT3 m.hmet VALID
Function Origin:
From Platform: MS-DOS
From Screen: HMET, Record Number: 6
Variable: m.hmet
Called By: VALID Clause
Object Type: Field
Snippet Number: 3

```

```

FUNCTION _qkf0vrbt3 && m.hmet VALID
#REGION 1
IF m.adding
SEEK m.hmet
IF FOUND()
=errmsg("Record already exists",1)
SCATTER MENVAR BLANK FIELD hmet
ENDIF
ENDIF
*: EOF: HMET.AC1

```

```

1 *
2 *
3 *
4 *
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66 *

```

10/27/93	HMLC.SPR	14:48:55
----------	----------	----------

```

Author's Name
Copyright (c) 1993 Company Name
Address
City, Zip
Description:
This program was automatically generated by GENSCRN.

```

```

#REGION 0
REGIONAL m.currearea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

MS-DOS Window definitions

```

IF NOT WEXIST("hmlc") ;
OR UPPER(WTITLE("HMLC")) = "HMLC.PJX" ;
OR UPPER(WTITLE("HMLC")) = "HMLC.SCX" ;
OR UPPER(WTITLE("HMLC")) = "HMLC.MNX" ;
OR UPPER(WTITLE("HMLC")) = "HMLC.PRG" ;
OR UPPER(WTITLE("HMLC")) = "HMLC.FRX" ;
OR UPPER(WTITLE("HMLC")) = "HMLC.QPR" ;
DEFINE WINDOW hmlc ;
FROM INT((SROW()-12)/2),INT((SCOL()-52)/2) ;
TO INT((SROW()-12)/2)+11,INT((SCOL()-52)/2)+51 ;
NOFLOAT ;
NOCLOSE ;
SHADOW ;
nomimize ;
DOUBLE ;
COLOR SCHEME 1
ENDIF

```

HMLC/MS-DOS Setup Code - SECTION 2

```

#REGION 1
PUSH KEY
*ON KEY LABEL ESC DO EscPressed

```

```

67 m.oldscape = SET( "ESCAPE" )
68 SET ESCAPE OFF
69 m.adding = .F.
70 m.change = .F.
71
72 CLOSE ALL
73 SELECT 0
74 USE hmlc
75 SET ORDER TO TAG hmlcid OF hmlc.cdx
76 *****
77 * Check see if the last record is defined
78 * IF TYPE( "m.LastRec" ) = "N"
79 * Start with the first record
80 GO TOP
81 m.lastrec = RECNO()
82
83
84
85
86 * Start on the last record used
87 GO m.lastrec
88
89 *****
90 SCATTER MEMVAR
91
92
93
94
95
96
97
98
99
100 #REGION 1
101 IF WISIBLE("hmlc")
102 ACTIVATE WINDOW hmlc SAME
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132

```

HMLC/MS-DOS Screen Layout

```

133 DEFAULT 1 ;
134 VALID qkf0vr6vvr( ) ;
135 DISABLE
136
137 IF NOT W1ST1BLE("hmlc")
138   ACTIVATE WINDOW hmlc
139   ENDIF
140
141 READ CYCLE
142
143 RELEASE WINDOW hmlc
144
145 #REGION 0
146 IF m.talkstat = "ON"
147   SET TALK ON
148   ENDIF
149 IF m.compstat = "ON"
150   SET COMPATIBLE ON
151   ENDIF
152
153
154
155
156
157
158
159
160
161
162
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198

```

HMLC/MS-DOS Cleanup Code

```

#REGION 1
POP KEY ALL
SET ESCAPE &oldscape
***** End of Main Body - Entry Cleanup
*****

```

HMLC/MS-DOS Supporting Procedures and Functions

```

#REGION 1
PROCEDURE CHANGE
*****
m.oldsxact = SET( "EXACT" )
SET EXACT ON
m.change =(TRIM(hmlc.hmlc) <> TRIM( m.hmlc))
SET EXACT &oldsxact
RETURN m.change

```

```

*_OKF0VR6JX      m.Action VALID
Function Origin:
From Platform:  MS-DOS
From Screen:    HMLC
Variable:       m.Action
Called By:      VALID Clause
Object Type:    Push Button
Snippet Number: 1

```

```

* FUNCTION qkf0vr6jx 24 m.Action VALID
* #REGION 1
IF m.action = 1
  SCATTER MEMVAR BLANK
  m.hmlcid=RECCOUNT()+1
  SHOW GETS
  SHOW GET m.hmlc enabled
  SHOW GET action disabled
  SHOW GET SAVE enabled
  m.adding = .T.
ELSE
--DO CASE
--CASE m.action = 2
  SHOW GETS
  SHOW GET m.hmlc enabled
  SHOW GET action disabled
  SHOW GET SAVE enabled
--CASE m.action = 3
  SKIP
  IF EOF( )
    ?? CHR( 7 )
    WAIT "Last record" WINDOW NOWAIT
    SKIP -1
  ELSE
    SCATTER MEMVAR
    SHOW GETS
  ENDIF
--CASE m.action = 4
  SKIP -1
  IF BOF( )
    ?? CHR( 7 )
    WAIT "First record" WINDOW NOWAIT
    SKIP
  ELSE
    SCATTER MEMVAR
    SHOW GETS
  ENDIF
--CASE m.action = 5
  CLEAR READ
--ENDCASE
ENDIF

```

```

*_OKF0VR6TE      m.hmlc VALID
Function Origin:
From Platform:  MS-DOS
From Screen:    HMLC
Variable:       m.hmlc
Called By:      VALID Clause
Object Type:    Field
Snippet Number: 2

```



```

265 * FUNCTION _qkf0vr6te    && m.hmlc VALID
266 #REGION 1
267 IF m.adding
268   m.oldrec = RECNO()
269   GO TOP
270   SEEK m.hmlc
271   IF FOUND()
272     =errmsg("Record already exists",1)
273     SCATTER FIELD hmlc MEMVAR BLANK
274   ENDIF
275   GO m.oldrec
276 ENDIF
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295 * FUNCTION _qkf0vr6vw    && m.Save VALID
296 #REGION 1
297 IF m.save = 1 && Selected Save Button
298   IF m.adding && Adding a new record
299     APPEND BLANK
300     GATHER MEMVAR
301   ELSE
302     DO CHANGE
303     IF m.change && Changing an old record
304       GATHER MEMVAR
305     ENDIF
306   ENDIF
307 ENDIF
308
309 SCATTER MEMVAR
310 SHOW GETS
311 SHOW GET m.hmlc disabled
312 SHOW GET action enabled
313 SHOW GET SAVE disabled
314
315 m.adding = .F.
316 m.change = .F.
317 *: EOF: HMLC.AC1

```

```

_qkf0vr6vw    m.Save VALID
Function Origin:
From Platform: MS-DOS
From Screen: HMLC,
Variable: m.Save
Called By: VALID Clause
Object Type: Push Button
Snippet Number: 3

```

```

1 *
2 *
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7 *
8 *
9 *
10 *
11 *
12 *
13 *
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15 *
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65 *
66 *

```

```

10/27/93          HMTAB.SPR          14:49:19

```

```

Author's Name
Copyright (c) 1993 Company Name
Address
City,           Zip
Description:
This program was automatically generated by GENSCRN.

```

```

#REGION 0
REGIONAL m.curraera, m.talkstat, m.compstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

```

MS-DOS Window definitions

```

```

IF NOT MEXIST("hmtab") ;
OR UPPER(WTITLE("HMTAB")) = "HMTAB.PJX" ;
OR UPPER(WTITLE("HMTAB")) = "HMTAB.SCX" ;
OR UPPER(WTITLE("HMTAB")) = "HMTAB.MNX" ;
OR UPPER(WTITLE("HMTAB")) = "HMTAB.PRG" ;
OR UPPER(WTITLE("HMTAB")) = "HMTAB.FRX" ;
OR UPPER(WTITLE("HMTAB")) = "HMTAB.QPR"
DEFINE WINDOW hmtab ;
FROM INT((SROW()-22)/2), INT((SCOL()-79)/2) ;
TO INT((SROW()-22)/2)+21, INT((SCOL()-79)/2)+78 ;
FLOAT ;
NOCLOSE ;
SHADOW ;
nomimize ;
DOUBLE ;
COLOR SCHEME 1
ENDIF

```

```

HMTAB/MS-DOS Setup Code - SECTION 2

```

```

#REGION 1
PUSH KEY
*ON KEY LABEL ESC DO EscPressed

```

```

67 m.oldscape = SET("ESCAPE")
68 SET ESCAPE OFF
69 m.adding = .F.
70 m.change = .F.
71 m.action=5
72
73 *****
74 * SELECT HAZARDOUS MATERIAL
75 *****
76 m.data=hmlu(c)
77 m.hname = dp(m.data,"",1)
78 m.hmatid = INT(VAL(dp(m.data,"",2)))
79 IF EMPTY(m.hname)
80 =errmsg("No material selected",1)
81 RETURN
82 ENDIF
83
84 CLOSE ALL
85 *****
86 * GET UNIT LIST
87 *****
88 IF IUSED("HUNIT")
89 SELECT 0
90 USE hunit ORDER TAG hunit
91 ELSE
92 SELECT hunit
93 ENDIF
94 COPY TO ARRAY unitlist FIELD hunit
95 USE
96 m.unit = "GALLON"
97
98 *****
99 * GET THE MATERIAL RECORDS
100 *****
101 *m.hmatid=get_hmid(m.hname)
102 m.hncomid = get_hncomid(m.hmatid)
103 SELECT 0
104 USE hmtab ALIAS hmtab
105 SET FILTER TO hmatid = m.hmatid
106
107 *What if the file is empty?
108
109 GO TOP
110 m.oldscomid = m.hncomid
111 m.oldsmatid=m.hmatid
112 SCATTER NEWVAR
113 m.oldsunit = m.hunit
114
115 IF m.tabid<1
116 m.action=1
117 m.adding=.T.
118 m.tabid=RECCOUNT()+1
119 m.hmatid=m.oldsmatid
120 m.hncomid = m.oldscomid
121 m.hmlc=""
122 m.oldscomid=0
123 m.oldsmatid=""
124 m.oldsunit=""
125 m.hmet=""
126 m.oldsmet=""
127 m.hmetprob=0.000
128 m.hnw=""
129 m.oldsnw=""
130 m.hmpid=0
131
132

```

HMTAB/MS-DOS Screen Layout

```

199 *
200 *
201 *
202 *
203 *
204 *
205 *
206 *
207 *
208 *
209 #REGION 1
210 -IF WVISIBLE("hmtab")
211 -ACTIVATE WINDOW hmtab SAME
212 -ELSE
213 -ACTIVATE WINDOW hmtab NOSHOW
214 -ENDIF
215 @ 1,67 GET m.action;
216 PICTURE "g*VW \<add;\<edit;\<next;\<previous;\<top;\<bottom;\<ve
=> \<xit";
217
218 SIZE 1,10,1;
219 DEFAULT 1;
220 VALID qkf0vrpcs()
221 @ 0,5 GET m.tabid;
222 SIZE 1,4;
223 DEFAULT 0;
224 DISABLE
225 @ 1,14 GET m.hmatid;
226 SIZE 1,4;
227 DEFAULT 0;
228 PICTURE "g2";
229 DISABLE
230 @ 1,19 GET m.hname;
231 SIZE 3,21;
232 DEFAULT " ";
233 PICTURE "g1";
234 DISABLE
235 @ 1,47 GET m.hmunit;
236 PICTURE "g";
237 FROM unitlist;
238 SIZE 3,18;
239 DEFAULT 1;
240 DISABLE;
241 COLOR SCHEME 1, 2
242 @ 4,14 GET m.hmlcid;
243 SIZE 1,4;
244 DEFAULT 0;
245 PICTURE "g2";
246 DISABLE
247 @ 4,19 GET m.hmlc;
248 SIZE 1,46;
249 DEFAULT " ";
250 PICTURE "g1";
251 WHEN _qkf0vrpcs();
252 VALID _qkf0vrq1c();
253 DISABLE
254 @ 5,14 GET m.hmpid;
255 SIZE 1,4;
256 DEFAULT 0;
257 PICTURE "g2";
258 DISABLE
259 @ 5,19 GET m.hmmp;
260 SIZE 2,46;
261 DEFAULT " ";
262 PICTURE "g1";
263 WHEN _qkf0vrq1c();

```

```

133 m.hmcfe="
134 m.hmcfid=0
135 m.oldhmcfe=""
136 m.hmcfeid=0
137 m.hmcfe=""
138 m.oldhmcfe=""
139 m.hmcfeid=0
140 m.hmcfe=""
141 m.hmcfecost=0.00
142 m.hmunit=IF(EMPTY(m.oldunit),"GALLON",m.oldunit)
143 m.dprob=0.00
144 m.wtaverage=0.00
145
146
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191
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193
194
195
196
197
198
ELSE
-IF m.hmlcid>0
m.hmlc=get_hmlcn(m.hmlcid)
m.oldhmlc=m.hmlc
-ELSE
m.hmlc=""
m.oldhmlc=""
-ENDIF
-IF m.hmpid>0
m.hmmp=get_hmmp(m.hmpid)
m.oldhmmp=m.hmmp
-ELSE
m.hmmp=""
m.oldhmmp=""
-ENDIF
-IF m.hmetid>0
m.hmet=get_hmet(m.hmetid)
m.oldhmet=m.hmet
-ELSE
m.hmet=""
m.oldhmet=""
-ENDIF
-IF m.hmcfid>0
m.hmcfe=get_cfar(m.hmcfid)
m.oldhmcfe=m.hmcfe
-ELSE
m.hmcfe=""
m.oldhmcfe=""
-ENDIF
-IF m.hmcfeid>0
m.hmcfe=get_cfar1(m.hmcfeid)
m.oldhmcfe1=m.hmcfe1
-ELSE
m.hmcfe=""
m.oldhmcfe=""
-ENDIF
SHOW GETS

```

```

264 VALID qkf0vrq72() ;
265 DISABLE
266 a 7,16 GET m.hmetid ;
267 SIZE 1,4 ;
268 DEFAULT 0 ;
269 PICTURE "a2" ;
270 DISABLE
271 a 7,24 GET m.hmet ;
272 SIZE 1,41 ;
273 DEFAULT " " ;
274 PICTURE "a1" ;
275 WHEN qkf0vrqel() ;
276 VALID qkf0vrqc2() ;
277 DISABLE
278 a 8,32 GET m.hmetprob ;
279 SIZE 1,9 ;
280 DEFAULT 0 ;
281 DISABLE
282 a 10,13 GET m.hmcfid ;
283 SIZE 1,3 ;
284 DEFAULT 0 ;
285 PICTURE "a2" ;
286 DISABLE
287 a 10,17 GET m.hmcfc ;
288 SIZE 1,39 ;
289 DEFAULT " " ;
290 WHEN qkf0vrqfr() ;
291 VALID qkf0vrqh7() ;
292 DISABLE
293 a 11,4 GET m.element ;
294 PICTURE "a1HN " ;
295 SIZE 1,9,1 ;
296 DEFAULT 0 ;
297 VALID qkf0vrqkz() ;
298 DISABLE
299 a 11,13 GET m.hmcfeid ;
300 SIZE 1,3 ;
301 DEFAULT 0 ;
302 PICTURE "a2" ;
303 DISABLE
304 a 11,17 GET m.hmcfe ;
305 SIZE 1,39 ;
306 DEFAULT " " ;
307 PICTURE "a1" ;
308 DISABLE
309 a 12,13 GET m.hmcfeid ;
310 SIZE 1,3 ;
311 DEFAULT 0 ;
312 PICTURE "a2" ;
313 DISABLE
314 a 12,17 GET m.hmcfei ;
315 SIZE 1,39 ;
316 DEFAULT " " ;
317 PICTURE "a1" ;
318 DISABLE
319 a 14,13 GET m.hmcfecost ;
320 SIZE 1,9 ;
321 DEFAULT 0 ;
322 PICTURE "a$$$,$$$,99" ;
323 DISABLE
324 a 14,46 GET m.pprob ;
325 SIZE 1,5 ;
326 DEFAULT 0 ;
327 PICTURE "a9.99" ;
328 DISABLE
329 a 16,33 GET m.perp ;

```

```

330 PICTURE "a*RHN YES;NO" ;
331 SIZE 1,7,0 ;
332 DEFAULT 2 ;
333 DISABLE
334 a 17,33 GET m.perd ;
335 PICTURE "a*RHN YES;NO" ;
336 SIZE 1,7,0 ;
337 DEFAULT 2 ;
338 DISABLE
339 a 18,33 GET m.perq ;
340 PICTURE "a*RHN YES;NO" ;
341 SIZE 1,7,0 ;
342 DEFAULT 2 ;
343 DISABLE
344 a 16,68 GET m.save ;
345 PICTURE "a*VN \<Save;\<Cancel" ;
346 SIZE 1,8,1 ;
347 DEFAULT 1 ;
348 VALID qkf0vrqrg() ;
349 DISABLE
350 a 11,4 SAY "Element:" ;
351 SIZE 1,8,0
352 a 9,3 TO 10,63
353 a 14,33 SAY "Probability" ;
354 SIZE 1,11,0
355 a 16,19 SAY "By Person" ;
356 SIZE 1,9,0
357 a 1,4 SAY "Material:" ;
358 SIZE 1,9,0
359 a 0,26 SAY "HAZARDOUS MATERIALS TABLE" ;
360 SIZE 1,25,0
361 a 4,4 SAY "Phase:" ;
362 SIZE 1,6,0
363 a 5,4 SAY "Process:" ;
364 SIZE 1,8,0
365 a 7,4 SAY "Exposure Type:" ;
366 SIZE 1,14,0
367 a 8,4 SAY "Probability of exposure:" ;
368 SIZE 1,28,0
369 a 12,7 SAY "Item:" ;
370 SIZE 1,5,0
371 a 14,7 SAY "Cost:" ;
372 SIZE 1,5,0
373 a 10,5 SAY "Factor:" ;
374 SIZE 1,7,0
375 a 0,4 SAY "a#" ;
376 a 2,42 SAY "Per:" ;
377 SIZE 1,4,0
378 a 18,19 SAY "By Quantity" ;
379 SIZE 1,11,0
380 a 17,19 SAY "By Day" ;
381 SIZE 1,6,0
382
383
384
385
386
387
388
389
390
391
392
393
394
395

```

```

[ IF NOT WISIBLE("hmtab")
  ACTIVATE WINDOW hmtab
  ENDIF
READ CYCLE
RELEASE WINDOW hmtab
#REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF

```

```

396 IF m.compstat = "OK"
397 SET COMPATIBLE ON
398 ENDIF

```

HMTAB/MS-DOS Cleanup Code

```

400 *
401 *
402 *
403 *
404 *
405 *
406 *
407 *
408 #REGION 1
409 CLOSE ALL
410 POP KEY ALL
411 SET ESCAPE &oldescape
412 RETURN
413 ***** End of Main Body - Entry Cleanup
414 *****
415 *
416 *
417 *
418 *
419 *
420 *
421 *
422 *

```

HMTAB/MS-DOS Supporting Procedures and Functions

```

423 #REGION 1
424 PROCEDURE escpressed
425 RETURN
426 *****
427 *****
428 *****
429 *****
430 *****
431 *****
432 *****
433 *****
434 *****
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527 *****

```

```

*****
*FUNCTION GET_HNAME
*****
*RELEASE hmr
*DIMENSION hmr[1]
*hmr[1]=""
*m.oldfile=SELECT()
*SELECT HMAT.HMATNAME;
* FROM HMAT;
* WHERE HMAT.HMATNAME IN (alltrim(m.hname));
* INTO ARRAY hmr
*m.ans=""
*IF NOT EMPTY(hmr[1])
* m.ans=CHOOSE(2,hmr,"Select a Material")
*ELSE
* =ERRMSG(m.hname + " was not found",1)
* m.ans=""
*ENDIF
*SELECT (M.oldfile)
*RETURN m.ans
*****
*FUNCTION get_hmid
*****
*PARAMETER m.hname
*m.oldfile=SELECT()
*SELECT DISTINCT HMAT.HMATID;
* FROM HMAT;
* WHERE HMAT.HMATNAME IN (alltrim(m.hname));
* INTO ARRAY X
*M.HMATID=X[1]
*SELECT (m.oldfile)
*RETURN M.HMATID
*****
*FUNCTION get_hmcomid
*****
*PARAMETER m.hmatid
m.oldfile=SELECT()
SELECT DISTINCT hmat.nfin;
FROM hmat;
WHERE hmat.hmatid = m.hmatid;
INTO ARRAY X
IF TYPE("X") != "U"
ELSE
m.stock = X[1]
ELSE
m.stock = 0
ENDIF
IF USED("HMCOM")
SELECT 0
USE hmcom
ELSE
SELECT hmcom
ENDIF
SET ORDER TO TAG niin
SEEK m.stock
IF FOUND()

```

```

528 m.comid = hmcomid
529 -ELSE
530 m.comid = 0
531 -ENDIF
532 SELECT (m.oldfile)
533 RETURN m.comid
534
535 *****
536 *GET LIFE CYCLE PHASE
537 FUNCTION get_hmlc
538 *****
539 PARAMETER m.hmlc
540
541 RELEASE hmn
542 DIMENSION hmn(1)
543 hmn(1)=""
544 m.oldfile=SELECT(
545
546 SELECT hmlc,hmlc;
547 FROM hmlc;
548 WHERE hmlc.hmlc IN (ALLTRIM(m.hmlc));
549 ORDER BY hmlcid;
550 INTO ARRAY hmn
551
552 m.ans=""
553 -IF NOT EMPTY(hmn(1))
554 m.ans=chooser(@hmn,"Select a Life Cycle Phase")
555 -ELSE
556 =errmsg(m.hmlc + " was not found",1)
557 m.ans=""
558 -ENDIF
559
560 SELECT (m.oldfile)
561 RETURN m.ans
562
563 *****
564 FUNCTION get_hmlcn
565 PARAMETER m.hmlcid
566 m.oldfile=SELECT(
567
568 SELECT DISTINCT hmlc,hmlc;
569 FROM hmlc;
570 WHERE hmlc.hmlcid = (m.hmlcid);
571 INTO ARRAY X
572
573 m.hmlc=X(1)
574 SELECT (m.oldfile)
575 RETURN m.hmlc
576
577 *****
578 *Working Processes
579 FUNCTION get_hmwp
580 *****
581 PARAMETER m.hmwp
582 RELEASE hmn
583 DIMENSION hmn(1)
584 hmn(1)=""
585 m.oldfile=SELECT(
586
587 SELECT hmwp,hmwp;
588 FROM hmwp;
589 WHERE hmwp.hmwp IN (ALLTRIM(m.hmwp));
590 INTO ARRAY hmn
591
592 m.ans=""
593 -IF NOT EMPTY(hmn(1))

```

```

594 m.ans=chooser(@hmn,"Select a Process")
595 -ELSE
596 =errmsg(m.hmwp + " was not found",1)
597 m.ans=""
598 -ENDIF
599
600 SELECT (m.oldfile)
601 RETURN m.ans
602
603 *****
604 FUNCTION get_hmwpn
605 PARAMETER m.hmwpid
606 m.oldfile=SELECT(
607
608 SELECT DISTINCT hmwp,hmwp;
609 FROM hmwp;
610 WHERE hmwp.hmwpid = m.hmwpid;
611 INTO ARRAY X
612
613 m.hmwp=X(1)
614 SELECT(m.oldfile)
615 RETURN m.hmwp
616
617 *****
618 FUNCTION get_hmet
619 *****
620 PARAMETER m.hmet
621
622 RELEASE hmn
623 DIMENSION hmn(1)
624 hmn(1)=""
625 m.oldfile=SELECT(
626
627 SELECT hmet,hmet;
628 FROM hmet;
629 WHERE hmet.hmet IN (ALLTRIM(m.hmet));
630 INTO ARRAY hmn
631
632 m.ans=""
633 -IF NOT EMPTY(hmn(1))
634 m.ans=chooser(@hmn,"Select an Exposure Type")
635 -ELSE
636 =errmsg(m.hmet + " was not found",1)
637 -ENDIF
638
639 SELECT (m.oldfile)
640 RETURN m.ans
641
642 *****
643 FUNCTION get_hmetid
644 *****
645 PARAMETER m.hmet
646 m.oldfile=SELECT(
647
648 SELECT DISTINCT hmet,hmetid;
649 FROM hmet;
650 WHERE hmet.hmet IN (ALLTRIM(m.hmet));
651 INTO ARRAY X
652
653 m.hmetid=X(1)
654 SELECT (m.oldfile)
655 RETURN m.hmetid
656
657 *****
658 FUNCTION get_hmetn

```

```

660 *****
661 PARAMETER m.hmctid
662 m.oldfile=SELECT()
663
664 SELECT DISTINCT hmct.hmct;
665 FROM hmct;
666 WHERE hmct.hmctid = (m.hmctid);
667 INTO ARRAY X
668
669 m.hmct=X[1]
670 SELECT (m.oldfile)
671 RETURN m.hmct
672
673 ***** COST FACTORS *****
674
675 *****
676 FUNCTION get_cfar
677 *get the cost factors
678 *****
679 PARAMETER m.hmctid
680 m.oldfile=SELECT()
681
682 DECLARE cfarr[1]
683 cfarr[1]="
684
685 SELECT hmct.hmct;
686 FROM hmct;
687 WHERE hmct.hmctid = (m.hmctid);
688 INTO ARRAY cfarr
689
690 m.hmct=cfarr[1]
691 SELECT(m.oldfile)
692 RETURN m.hmct
693
694 *****
695 FUNCTION get_cfar1
696 *get cost factor elements
697 *****
698 PARAMETER m.hmctid
699 m.oldfile=SELECT()
700 DECLARE cfarr1[1]
701 cfarr1[1]="
702
703 SELECT hmct.hmct;
704 FROM hmct;
705 WHERE hmct.hmctid = (m.hmctid);
706 INTO ARRAY cfarr1
707
708 m.hmct=cfarr1[1]
709 SELECT (m.oldfile)
710 RETURN m.hmct
711
712 *****
713 FUNCTION get_cf
714 *****
715 PARAMETER m.hmct
716
717 RELEASE MEMO LIKE cfarr
718 DIMENSION cfarr[1]
719 cfarr[1]="
720
721 m.oldfile=SELECT()
722 SELECT hmct.hmct;
723 FROM hmct;
724
725

```

```

726 WHERE hmct.hmct IN (ALLTRIM(m.hmct));
727 ORDER BY hmct.hmctid;
728 INTO ARRAY cfarr
729
730 IF NOT EMPTY(cfarr[1])
731 m.x=chooser(@cfarr1,"Select a Cost Factor")
732 ELSE
733 zerrmsg(m.x + " was not found",1)
734 m.hmctid=0
735 m.x=""
736 ENDIF
737
738 SELECT (m.oldfile)
739 RETURN m.x
740
741 *****
742 FUNCTION get_hmctid
743 *****
744 PARAMETER m.hmct
745 m.oldfile = SELECT()
746 SELECT DISTINCT hmct.hmctid;
747 FROM hmct;
748 WHERE hmct.hmct IN (ALLTRIM(m.hmct));
749 INTO ARRAY X
750 m.hmctid=X[1]
751 SELECT (m.oldfile)
752 RETURN m.hmctid
753
754 *****
755 FUNCTION get_cf
756 *****
757 PARAMETER m.hmct
758
759 RELEASE MEMO LIKE cfarr1
760 DIMENSION cfarr1[1]
761 cfarr1[1]="
762 m.oldfile=SELECT()
763
764 SELECT hmct.hmct;
765 FROM hmct;
766 WHERE hmct.hmct IN (ALLTRIM(m.hmct));
767 ORDER BY hmct.hmctid;
768 INTO ARRAY cfarr1
769
770 IF NOT EMPTY(cfarr1[1])
771 m.x=chooser(@cfarr1,"Select a Cost Factor Element")
772 ELSE
773 zerrmsg(m.x + " was not found",1)
774 m.hmctid=0
775 m.x=""
776 ENDIF
777 SELECT (m.oldfile)
778 RETURN m.x
779
780 *****
781 FUNCTION get_eid
782 *****
783 PARAMETER m.hmct
784
785 m.oldfile = SELECT()
786
787
788
789
790
791

```

```

792 SELECT DISTINCT hmcfeid;
793 FROM hmcfe;
794 WHERE hmcfe.hmcfe IN (ALLTRIM(m.hmcfe));
795 INTO ARRAY X
796
797 m.hmcfeid=X[1]
798 SELECT (m.oldfile)
799 RETURN m.hmcfeid
800
801 *****
802 FUNCTION get_ei
803 *****
804 PARAMETER m.hmcfeid
805 m.oldfile=SELECT(
806
807 SELECT hmcfeid.hmcfeid;
808 FROM hmcfe;
809 WHERE hmcfeid.hmcfeid = (m.hmcfeid);
810 INTO ARRAY X
811
812 m.hmcfeid=X[1]
813 SELECT (m.oldfile)
814 RETURN m.hmcfeid
815
816 *****
817 FUNCTION get_eiid
818 *****
819 PARAMETER m.hmcfeid
820 m.oldfile=SELECT(
821
822 SELECT hmcfeid.hmcfeid;
823 FROM hmcfe;
824 WHERE hmcfeid.hmcfeid IN (ALLTRIM(m.hmcfeid));
825 INTO ARRAY X
826
827 m.hmcfeid=X[1]
828 SELECT (m.oldfile)
829 RETURN m.hmcfeid
830
831 *****
832 FUNCTION rel
833 *****
834 PARAMETER m.id
835 EXTERNAL ARRAY cost
836 m.oldfile=SELECT(
837
838 IF PARAMETER( )=0
839 m.id=0
840 ENDIF
841
842 SET TALK OFF
843
844 &OPEN FILE # 1
845
846 IF USED("CFEITMP")
847 SELECT cfeitmp
848 SET ORDER TO TAG hmcfeid OF hmcfeid.cdx
849
850 ELSE
851 SELECT 0
852 USE hmcfe ALIAS cfeitmp AGAIN
853 SET ORDER TO TAG hmcfeid OF hmcfeid.cdx
854
855 ENDIF
856
857

```

```

858 &OPEN FILE # 2
859
860 IF USED("CFEITMP")
861 SELECT cfeitmp
862 SET ORDER TO TAG hmcfeid OF hmcfe.cdx
863
864 ELSE
865 SELECT 0
866 USE hmcfe ALIAS cfeitmp AGAIN
867 SET ORDER TO TAG hmcfeid OF hmcfe.cdx
868
869 ENDIF
870
871 && OPEN FILE #3
872
873 IF USED("CFEITMP")
874 SELECT cfeitmp
875 SET ORDER TO TAG hmcfeid OF hmcfe.cdx
876
877 ELSE
878 SELECT 0
879 USE hmcfe ALIAS cfeitmp AGAIN
880 SET ORDER TO TAG hmcfeid OF hmcfe.cdx
881
882 ENDIF
883
884 IF m.id>0
885 SET FILTER TO hmcfeid = m.id
886
887 ENDIF
888
889 SELECT cfeitmp
890 SET RELATION TO hmcfeid INTO cfeitmp ADDITIVE
891
892 SELECT cfeitmp
893 SET RELATION TO hmcfeid INTO cfeitmp ADDITIVE
894
895 SET SKIP TO cfeitmp, cfeitmp
896
897 ** Show fields from grandparent (HMCFEI), parent (HMCFE) and child (H
=> MCF)**
898 BROWSE FIELDS cfeitmp.hmcfe, cfeitmp.hmcfe, cfeitmp.hmcfe, cfeitmp.hmcfe, cfeitmp.hmcfe
899 cfeitmp.hmcfe:H="ITEMS", cfeitmp.hmcfe:cost:H="COSTS", cfeitmp.h
900 mcf:unit:H="UNITS".
901 NOMODIFY NOAPPEND NODELETE NORMAL TITLE "COST FACTORS"
902
903 SCATTER FIELDS cfeitmp.hmcfe, cfeitmp.hmcfe, cfeitmp.hmcfe, cfeitmp.hmcfe, cfeitmp.hmcfe
904 TO cost
905
906 SET RELATION TO
907 IF USED('cfeitmp')
908 SELECT cfeitmp
909 USE
910 ENDIF
911 IF USED('cfeitmp')
912 SELECT cfeitmp
913 USE
914 ENDIF
915 IF USED('cfeitmp')
916 SELECT cfeitmp
917 USE
918 ENDIF
919 *CLOSE DATABASE CFEITMP,CFEITMP,CFEITMP
920 SELECT (m.oldfile)

```



```

1053 m.olchmap=m.hmmp
1054 m.hmmp=""
1055 m.olchmap=""
1056 ENDIF
1057
1058
1059
1060
1061
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1100
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1103
1104
1105
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1111
1112
1113
1114
1115
1116
1117
1118
ELSE
m.hmmp=""
ENDIF
IF m.hmetid>0
ELSE
m.hmet=get_hmetr(m.hmetid)
ENDIF
IF m.hmcfid>0
m.hmcfc=get_cfar(m.hmcfid)
ELSE
m.hmcfc=""
ENDIF
IF m.hmcfeid>0
m.hmcfe=get_cfar1(m.hmcfeid)
ELSE
m.hmcfe=""
ENDIF
IF m.hmcfeid>0
m.hmcfe=get_ei(m.hmcfeid)
ELSE
m.hmcfe=""
ENDIF
SHOW GETS
SHOW GET action enabled
SHOW GET element disabled
SHOW GET SAVE disabled
SHOW GET m.hmlc disabled
SHOW GET m.hmmp disabled
SHOW GET m.hmet disabled
SHOW GET m.hmetprob disabled
SHOW GET m.hmcfc disabled
SHOW GET m.hmcfecost disabled
SHOW GET m.prob disabled
* SHOW GET m.hmunit DISABLED
SHOW GET m.perp disabled
SHOW GET m.perd disabled
SHOW GET m.perq disabled
ENDIF

```

```

_QKFOVRPYS
Function Origin:
From Platform: MS-DOS
From Screen: HMTAB,
Variable: m.hmlc
Called By: WHEN Clause
Object Type: Field
Record Number: 8

```

HMTAB-AC1 12-1-93 11:31a

```

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1177
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1183
1184
FUNCTION _qkfvrrq1
#REGION 1
m.olchhmlc=<m.hmlc
IF m.olchhmlc <> m.hmlc
IF NOT EMPTY(m.hmlc)
m.hmlc=ALLTRIM(m.hmlc)
m.hmlc=IF(m.hmlc="" OR UPPER(m.hmlc))
IF NOT EMPTY(m.hmlc)
SELECT DISTINCT hmlc.hmlcid;
FROM hmlc;
WHERE hmlc.hmlc IN (m.hmlc);
INTO ARRAY X
m.hmlcid=X[1]
ENDIF
SHOW GETS
ENDIF
FUNCTION _qkfvrrq4
#REGION 1
m.olchhmap=m.hmmp
IF m.olchhmap <> m.hmmp WHEN
MS-DOS
HMTAB,
m.hmmp
WHEN Clause
Field
Snippet Number: 4

```

```

_QKFOVRQ1C
Function Origin:
From Platform: MS-DOS
From Screen: HMTAB,
Variable: m.hmlc
Called By: VALID Clause
Object Type: Field
Snippet Number: 3
Record Number: 8

```

```

_QKFOVRQ4T
Function Origin:
From Platform: MS-DOS
From Screen: HMTAB,
Variable: m.hmmp
Called By: WHEN Clause
Object Type: Field
Snippet Number: 4
Record Number: 10

```

Page 9 of 12

```

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```

_ QKFOVRQ72
Function Origin:
From Platform: MS-DOS
From Screen: HMTAB,
Variable: m.hmmp Record Number: 10
Called By: VALID Clause
Object Type: Field
Snippet Number: 5

```

```

FUNCTION _qkfvqr72 && m.hmmp VALID
#REGION 1
IF m.olchmmp <> m.hmmp
m.hmmp=ALLTRIM(m.hmmp)
m.hmmp=IF(m.hmmp=??,??,UPPER(m.hmmp))
IF NOT EMPTY(m.hmmp)
SELECT hmmp.hmmpid;
FROM hmmp;
WHERE hmmp.hmmp IN (m.hmmp);
INTO ARRAY X
m.hmmpid=X[1]
ELSE
m.hmmp = SPACE(80)
ENDIF
ENDIF
SHOW GETS
ENDIF

```

```

_ QKFOVRQAL
Function Origin:
From Platform: MS-DOS
From Screen: HMTAB,
Variable: m.hmet Record Number: 12
Called By: WHEN Clause
Object Type: Field
Snippet Number: 6

```

```

FUNCTION _qkfvqrqal && m.hmet WHEN
#REGION 1
m.olchmet=m.hmet

```

```

_ QKFOVRQC2
Function Origin:
From Platform: MS-DOS
From Screen: HMTAB,
Variable: m.hmet Record Number: 12
Called By: VALID Clause
Object Type: Field
Snippet Number: 7

```

```

FUNCTION _qkfvqrqc2 && m.hmet VALID
#REGION 1
IF m.olchmmp <> m.hmet
m.hmet=ALLTRIM(m.hmet)
m.hmet=IF(m.hmet=??,??,UPPER(m.hmet))
IF NOT EMPTY(m.hmet)
SELECT DISTINCT hmet.hmetid;
FROM hmet;
WHERE hmet.hmet IN (m.hmet);
INTO ARRAY X
m.hmetid=X[1]
ENDIF
ENDIF
SHOW GETS
ENDIF

```

```

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1314 *
1315 *
1316 *

```

```

_ QKFOVRQC2 && m.hmet VALID
#REGION 1
IF m.olchmet <> m.hmet
m.hmet=ALLTRIM(m.hmet)
m.hmet=IF(m.hmet=??,??,UPPER(m.hmet))
IF NOT EMPTY(m.hmet)
SELECT DISTINCT hmet.hmetid;
FROM hmet;
WHERE hmet.hmet IN (m.hmet);
INTO ARRAY X
m.hmetid=X[1]
ENDIF
ENDIF
SHOW GETS
ENDIF

```

```

_ QKFOVRQFR
Function Origin:
From Platform: MS-DOS
From Screen: HMTAB,
Variable: m.hmcf Record Number: 15
Called By: WHEN Clause
Object Type: Field
Snippet Number: 8

```

```

FUNCTION _qkfvqrqfr && m.hmcf WHEN
#REGION 1
m.olchmcf=m.hmcf

```

```

_ QKFOVRQH7
Function Origin:
From Platform: MS-DOS
From Screen: HMTAB,
Variable: m.hmcf Record Number: 15
Called By: VALID Clause
Object Type: Field
Snippet Number: 9

```

```

FUNCTION _qkfvqrqh7 && m.hmcf VALID
#REGION 1
IF m.olchmcf <> m.hmcf
m.hmcf=ALLTRIM(m.hmcf)
m.hmcf=IF(m.hmcf=??,??,UPPER(m.hmcf))
IF NOT EMPTY(m.hmcf)
SELECT DISTINCT hcf.hcfid;
FROM hcf;
WHERE hcf.hcf IN (m.hmcf);
INTO ARRAY X
m.hcfid=X[1]
ENDIF
ENDIF
SHOW GETS
ENDIF

```

```

FUNCTION _qkfvqrqh7 && m.hmcf VALID
#REGION 1
IF m.olchmcf <> m.hmcf
m.hmcf=ALLTRIM(m.hmcf)
m.hmcf=IF(m.hmcf=??,??,UPPER(m.hmcf))
IF NOT EMPTY(m.hmcf)
SELECT DISTINCT hcf.hcfid;
FROM hcf;
WHERE hcf.hcf IN (m.hmcf);
INTO ARRAY X
m.hcfid=X[1]
ENDIF
ENDIF
SHOW GETS
ENDIF

```

```

1383 *
1384 * Variable: m.Save
1385 * Called By: VALID Clause
1386 * Object Type: Push Button
1387 * Snippet Number: 11
1388 *
1389 *
1390 * FUNCTION _okfvrqrg  && m.Save VALID
1391 * #REGION 1_
1392 * m.wtaverage = m.hmcfecost * m.prob
1393 * IF m.Save = 1 && Selected Save Button
1394 *   IF m.Adding && Adding a new record
1395 *     APPEND BLANK
1396 *     GATHER MEMVAR
1397 *   ELSE
1398 *     DO CHANGE
1399 *     IF m.Change && Changing an old record
1400 *       GATHER MEMVAR
1401 *     ENDIF
1402 *   ENDIF
1403 *   m.oldunit = m.hmunit
1404 * ENDIF
1405 *
1406 * SCATTER MEMVAR
1407 *
1408 * IF m.hmlcid>0
1409 *   m.hmlc=get_hmlcn(m.hmlcid)
1410 *   m.olchmlc=m.hmlc
1411 * ELSE
1412 *   m.hmlc=""
1413 *   m.olchmlc=""
1414 * ENDIF
1415 *
1416 * IF m.hmpid>0
1417 *   m.hmp=get_hmpn(m.hmpid)
1418 *   m.olchmp=m.hmp
1419 * ELSE
1420 *   m.hmp=""
1421 *   m.olchmp=""
1422 * ENDIF
1423 *
1424 * IF m.hmetid>0
1425 *   m.hmet=get_hmetn(m.hmetid)
1426 *   m.olchmet=m.hmet
1427 * ELSE
1428 *   m.hmet=""
1429 *   m.olchmet=""
1430 * ENDIF
1431 *
1432 * IF m.hmcfeid>0
1433 *   m.hmcf=get_cfmr(m.hmcfeid)
1434 *   m.olchmcf=m.hmcf
1435 * ELSE
1436 *   m.hmcf=""
1437 *   m.olchmcf=""
1438 * ENDIF
1439 *
1440 * IF m.hmcfeid>0
1441 *   m.hmcf=get_cfmr1(m.hmcfeid)
1442 * ELSE
1443 *   m.hmcf=""
1444 * ENDIF
1445 *
1446 * IF m.hmcfeid>0
1447 *   m.hmcf=get_ei(m.hmcfeid)
1448 * ELSE

```

```

1317 *
1318 * IF NOT EMPTY(m.hmcf)
1319 *   SELECT DISTINCT hmcf.hmcfid;
1320 *   FROM hmcf;
1321 *   WHERE hmcf.hmcf IN (m.hmcf);
1322 *   INTO ARRAY X
1323 *
1324 *   m.hmcfid=X(1)
1325 *   m.hmcfid=0
1326 *   m.hmcf=""
1327 *   m.hmcfid=0
1328 *   m.hmcf=""
1329 *   m.hmcfecost=0
1330 *
1331 *   m.hmunit=""
1332 *   m.prob=0
1333 * ENDIF
1334 * SHOW GETS
1335 * ENDIF
1336 *
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1349 *
1350 *
1351 * FUNCTION _okfvrqz  && m.element VALID
1352 * #REGION 1_
1353 * RELEASE cost
1354 * DECLARE cost(5)
1355 * cost(2)=" "
1356 * rrel(m.hmcfid)
1357 *
1358 * m.hmcf=cost(1)
1359 * m.hmcfid=get_hmcfid(m.hmcf)
1360 * m.hmcfecost(2)
1361 * m.hmcfid=get_eid(m.hmcf)
1362 * m.hmcfecost(4)
1363 * * m.hmunit=COST(5)
1364 *
1365 * IF EMPTY(cost(3))
1366 *   m.hmcfecost(3)
1367 *   m.hmcfid=get_eiid(m.hmcf)
1368 * ELSE m.hmcf=""
1369 *   m.hmcfid=0
1370 * ENDIF
1371 * SHOW GETS
1372 * ENDIF
1373 *
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1382 *

```

```

_ OKFVRQZ          m.element VALID
Function Origin:
From Platform: MS-DOS
From Screen:  HMTAB, Record Number: 16
Variable:     m.element
Called By:    VALID Clause
Snippet Number: 10

```

```

_ OKFVRQRG          m.Save VALID
Function Origin:
From Platform: MS-DOS
From Screen:    HMTAB, Record Number: 26

```

```

1449 m.hmcfejs=
1450 ENDIF
1451 SHOW GETS
1452 SHOW GET action enabled
1453 SHOW GET m.element disabled
1454 SHOW GET SAVE disabled
1455 SHOW GET m.hmlc disabled
1456 SHOW GET m.hmap disabled
1457 SHOW GET m.hmet disabled
1458 SHOW GET m.hmetprob disabled
1459 SHOW GET m.hmcf disabled
1460 SHOW GET m.hmcfecost disabled
1461 SHOW GET m.prob disabled
1462 SHOW GET m.hmunit disabled
1463 SHOW GET m.perp disabled
1464 SHOW GET m.perd disabled
1465 SHOW GET m.perq disabled
1466 m.adding=.F.
1467 m.charge=.F.
1468 *: EOF: HMTAB.AC1

```

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```

10/27/93	HMMP.SPR	14:48:59
Author's Name Copyright (c) 1993 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

```

#REGION 0
REGIONAL m.currarea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

```

31 *
32 *
33 *
34 *
35 *
36 *
37 *

```

MS-DOS window definitions

```

IF NOT WEXIT("hmmp");
OR UPPER(WTITLE("HMMP")) = "HMMP.PJX";
OR UPPER(WTITLE("HMMP")) = "HMMP.SCX";
OR UPPER(WTITLE("HMMP")) = "HMMP.MHX";
OR UPPER(WTITLE("HMMP")) = "HMMP.PRG";
OR UPPER(WTITLE("HMMP")) = "HMMP.FRX";
OR UPPER(WTITLE("HMMP")) = "HMMP.QPR";
DEFINE WINDOW hmmp;
FROM INT((SROW()-15)/2), INT((SCOL()-64)/2);
TO INT((SROW()-15)/2)+14, INT((SCOL()-64)/2)+63;
NOFLOAT;
NOCLOSE;
SHADOW;
nominimize;
DOUBLE;
COLOR SCHEME 1
ENDIF

```

```

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62 *
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64 *
65 *
66 *

```

HMMP/MS-DOS Setup Code - SECTION 2

```

#REGION 1
PUSH KEY
*ON KEY LABEL ESC DO EscPressed

```

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132 *

```

```

m.oldscape = SET("ESCAPE")
SET ESCAPE OFF
m.adding = .F.
m.change = .F.
IF IUSED("HMMP")
SELECT 0
USE hmmp
SET ORDER TO TAG hmmp OF hmmp.cdx
ELSE
SELECT hmmp
SET ORDER TO TAG hmmp
ENDIF
*****
* Check see if the last record is defined
IF TYPE("m.LastRec") = "U"
* Start with the first record
GO TOP
m.lastrec = RECNO()
ELSE
* Start on the last record used
GO m.lastrec
ENDIF
*****
SCATTER MENVAR

```

```

*
*
*
*
*
*

```

HMMP/MS-DOS Screen Layout

```

#REGION 1
IF VISIBLE("hmmp")
ACTIVATE WINDOW hmmp SAME
ELSE
ACTIVATE WINDOW hmmp NOSHOW
ENDIF
@ 2,50 GET m.action;
PICTURE "g*vn \<Add;\<Edit;\<Next;\<Previous;\<7E\<xit";
SIZE 1,10,1;
DEFAULT 1;
VALID qkfv92i();
@ 2,11 GET m.hmmpid;
SIZE 1,10;
DEFAULT " ";
DISABLE
@ 4,11 GET m.hmmp;
SIZE 6,34;
DEFAULT " ";
PICTURE "g1";
VALID qkfv99i();
DISABLE
@ 11,14 GET m.save;
PICTURE "g*HN \<Save;\<Cancel";
SIZE 1,8,1;
DEFAULT 1;
VALID qkfv9c5();
DISABLE
@ 1,0 TO 12,46
@ 2,3 SAY "ID NUM: ";

```

133 SIZE 1,7,0
134 @ 4,2 SAY "PROCESS:" ;
135 SIZE 1,8,0
136 @ 0,16 SAY "HM PROCESSES" ;
137 SIZE 1,12,0

138 IF NOT WVISTIBLE("hmwp")
139 ACTIVATE WINDOW hmwp
140 ENDIF

141 READ CYCLE

142 RELEASE WINDOW hmwp

143 #REGION 0

144 IF m.talkstat = "ON"

145 SET TALK ON

146 ENDIF

147 IF m.compstat = "ON"

148 SET COMPATIBLE ON

149 ENDIF

HMWP/MS-DOS Cleanup Code

150 #REGION 1
151 IF USED('HMWP')

152 USE

153 ENDIF

154 POP KEY ALL

155 SET ESCAPE &oldescape

156 ***** End of Main Body - Entry Cleanup

157 *****

HMWP/MS-DOS Supporting Procedures and Functions

158 #REGION 1

159 PROCEDURE CHANGE

160 *****

161 m.oldexact = SET("EXACT")

162 SET EXACT ON

163 m.change = TRIM(hmwp.hmwp) <> TRIM(m.hmwp)

164 SET EXACT &oldexact

165 RETURN m.change

_OKFOVR921 m.Action VALID

Function Origin:

From Platform: MS-DOS

From Screen: HMWP,

Record Number: 2

Variable: m.Action
Called By: VALID Clause
Object Type: Push Button
Snippet Number: 1

199 FUNCTION _okf0vr921 @@ m.Action VALID

200 #REGION 1

201 IF m.action = 1

202 SCATTER MEMVAR BLANK

203 m.hmwpid=RECCOUNT()-1

204 SHOW GETS

205 SHOW GET m.hmwp enabled

206 SHOW GET action disabled

207 SHOW GET SAVE enabled

208 m.adding = .T.

209 ELSE

210 --DO CASE

211 CASE m.action = 2

212 SHOW GETS

213 SHOW GET m.hmwp enabled

214 SHOW GET action disabled

215 SHOW GET SAVE enabled

216 CASE m.action = 3

217 SKIP

218 IF EOF()

219 ?? CHR(7)

220 WAIT "Last record" WINDOW NOWAIT

221 SKIP -1

222 ELSE

223 SCATTER MEMVAR

224 SHOW GETS

225 ENDIF

226 CASE m.action = 4

227 SKIP -1

228 IF BOF()

229 ?? CHR(7)

230 WAIT "First record" WINDOW NOWAIT

231 SKIP

232 ELSE

233 SCATTER MEMVAR

234 SHOW GETS

235 ENDIF

236 CASE m.action = 5

237 CLEAR READ

238 ENDCASE

239 ENDIF

_OKFOVR991 m.hmwp VALID

Function Origin:

From Platform: MS-DOS

From Screen: HMWP,

Variable: m.hmwp

Called By: VALID Clause

Record Number: 4

```

331 SHOW GET SAVE disabled
332 m.adding = .F.
333 m.change = .F.
334   -ENDIF
335
336 *: EOF: HMAP.AC1

```

```

* * * * *
* Object Type:        Field
* Snippet Number:    2
*
*
* FUNCTION _qkf0vr99i  && m.hmap VALID
#REGION 1
IF m.adding
  m.oldrec = RECNO()
  SEEK m.hmap
  IF FOUND()
    =errmsg("Record already exists",1)
    SCATTER FIELD HMAP MEMVAR BLANK
    CURJOB = OBJNUM(m.hmap)
  ENDIF
GO m.oldrec
ENDIF
SHOW GETS

```

```

* * * * *
* Function Origin:
* From Platform:    MS-DOS
* From Screen:      HMAP, Record Number: 5
* Variable:          m.Save
* Called By:         VALID Clause
* Object Type:      Push Button
* Snippet Number:   3

```

```

265 *
266 *
267 *
268 *
269 *
270 * FUNCTION _qkf0vr99i  && m.hmap VALID
271 #REGION 1
272 IF m.adding
273   m.oldrec = RECNO()
274   SEEK m.hmap
275   IF FOUND()
276     =errmsg("Record already exists",1)
277     SCATTER FIELD HMAP MEMVAR BLANK
278     CURJOB = OBJNUM(m.hmap)
279   ENDIF
280   GO m.oldrec
281 ENDIF
282 SHOW GETS
283
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292 *
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299 *
300 * FUNCTION _qkf0vr9c5  && m.Save VALID
301 #REGION 1
302 m.notsave = .F.
303 IF m.save = 1 && Selected Save Button
304   =errmsg("Data empty, could not save!",2)
305   CURJOB = OBJNUM(m.hmap)
306   m.notsave = .T.
307 ELSE
308   IF m.adding && Adding a new record
309     APPEND BLANK
310     GATHER MEMVAR
311   ELSE
312     IF m.change && Changing an old record
313       GATHER MEMVAR
314     ENDIF
315   ENDIF
316 ELSE
317   SCATTER MEMVAR
318 ENDIF
319 SHOW GETS
320 IF m.notsave
321   SHOW GET m.hmap enabled
322   SHOW GET action disabled
323   SHOW GET SAVE enabled
324 ELSE
325   SHOW GET m.hmap disabled
326   SHOW GET action enabled
327   SHOW GET SAVE disabled
328   SHOW GET action enabled
329 ENDIF
330

```



```

1  * *****
2  *
3  * Procedure file: C:\AZMAT\GHW\WORK\MEMOWIN.SPR
4  *
5  * System: Hazardous Material Life Cycle Cost Model
6  * Author: Naval Health Research Center
7  * Copyright (c) 1993 Naval Health Research Center
8  * Last modified: 09/10/93 8:12
9  *
10 * Procs & Fncts: QIG01X0XD()
11 *                : _QIG01XPJO()
12 *
13 * Calls: QIG01X0XD() (function in MEMOWIN.SPR)
14 *         : _QIG01XPJO() (function in MEMOWIN.SPR)
15 *
16 * Documented 09/14/93 at 08:20 FoxDoc version 2.10f
17 * *****
18 *
19 * *
20 * * 08/17/93 MEMOWIN.SPR 08:50:04
21 * *
22 * *
23 * *
24 * * G. Pang
25 * * Copyright (c) 1993 Company Name
26 * * Address
27 * * City, Zip
28 * *
29 * *
30 * * Description:
31 * * This program was automatically generated by GENSCRN.
32 * *
33 * *
34 *
35 * PARAMETERS TEXT, TITLE
36 *
37 * DO CASE
38 * CASE _dos
39 *
40 * *
41 * *
42 * * MEMOWIN/MS-DOS Setup Code - SECTION 1
43 * *
44 * *
45 * *
46 *
47 * #REGION 1
48 * PRIVATE ALL
49 * DO CASE
50 * CLEAR
51 * CASE PARAMETER() = 0
52 * m.title = ""
53 * m.text = ""
54 * CASE PARAMETER() = 1
55 * m.title = ""
56 * ENDCASE
57 *
58 * #REGION 0
59 * REGIONAL m.currarea, m.talkstat, m.compstat
60 *
61 * IF SET("TALK") = "ON"
62 * SET TALK OFF
63 *
64 *

```

```

65 *
66 * m.talkstat = "ON"
67 *
68 * ELSE
69 * m.talkstat = "OFF"
70 * ENDIF
71 *
72 * m.compstat = SET("COMPATIBLE")
73 * SET COMPATIBLE FOXPLUS
74 *
75 * m.currarea = SELECT()
76 *
77 * *****
78 * * MS-DOS Window definitions
79 * *
80 * *
81 * *
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83 * *
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101 * *****
102 * * MEMOWIN/MS-DOS Screen Layout
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131 *
132 * #REGION 1
133 * IF WISIBLE("memowin")
134 * ACTIVATE WINDOW memowin SAME
135 * ELSE
136 * ACTIVATE WINDOW memowin NOSHOW
137 * ENDIF
138 *
139 * @ 1,2 GET m.title ;
140 * SIZE 1,74 ;
141 * DEFAULT " " ;
142 * PICTURE "a1" ;
143 * DISABLE
144 * @ 2,2 EDIT m.text ;
145 * SIZE 20,77,0 ;
146 * DEFAULT " " ;
147 * SCROLL
148 * @ 23,26 GET m.save ;
149 * PICTURE "a1" \<Print;\<Another;\<Quit" ;
150 * SIZE 1,91 ;
151 * DEFAULT " " ;
152 * VALID _qig01x0xd()
153 *
154 * IF NOT WISIBLE("memowin")
155 * ACTIVATE WINDOW memowin

```

```

131 -ENDIF
132
133 READ CYCLE
134
135 RELEASE WINDOW memowin
136 SELECT (m.currarea)
137
138 #REGION 0
139 -IF m.talkstat = "ON"
140 SET TALK ON
141 -ENDIF
142 -IF m.compstat = "ON"
143 SET COMPATIBLE ON
144 -ENDIF
145
146
147 *****
148 * MEMOJIN/MS-DOS Cleanup Code
149 *
150 *
151 *
152 *****
153 *
154
155 #REGION 1
156 RETURN
157
158 -CASE _windows
159
160 *****
161 * MEMOJIN/Windows Setup Code - SECTION 1
162 *
163 *
164 *
165 *****
166 *
167
168 #REGION 1
169 PRIVATE ALL
170 DO CASE
171 CLEAR
172 CASE PARAMETER() = 0
173 m.title = ""
174 m.text = ""
175 CASE PARAMETER() = 1
176 m.title = ""
177 -ENDCASE
178
179
180 #REGION 0
181 REGIONAL m.currarea, m.talkstat, m.compstat
182
183 -IF SET("TALK") = "ON"
184 SET TALK OFF
185 m.talkstat = "ON"
186 -ELSE
187 m.talkstat = "OFF"
188 -ENDIF
189 m.compstat = SET("COMPATIBLE")
190 SET COMPATIBLE FOXPLUS
191 m.currarea = SELECT()
192
193
194
195 * *****
196

```

```

197 * * * * * Windows Window definitions
198 * * * * *
199 *****
200 -IF NOT EXIST("memowin") ;
201 OR UPPER(UTITLE("MEMOJIN")) == "MEMOJIN.PJX" ;
202 OR UPPER(UTITLE("MEMOJIN")) == "MEMOJIN.SCX" ;
203 OR UPPER(UTITLE("MEMOJIN")) == "MEMOJIN.MMX" ;
204 OR UPPER(UTITLE("MEMOJIN")) == "MEMOJIN.PRG" ;
205 OR UPPER(UTITLE("MEMOJIN")) == "MEMOJIN.FRX" ;
206 OR UPPER(UTITLE("MEMOJIN")) == "MEMOJIN.OPR" ;
207
208 DEFINE WINDOW memowin ;
209 AT 0,000,0,000 ;
210 SIZE 26,769,80,000 ;
211 font "MS Sans Serif", 8 ;
212 STYLE "n" ;
213 WOFLOAT ;
214 NOCLOSE ;
215 SHADOW ;
216 nomimize ;
217 NONE
218 MOVE WINDOW memowin CENTER
219 -ENDIF
220
221 *****
222 * * * * * MEMOJIN/Windows Screen Layout
223 * * * * *
224 *****
225 #REGION 1
226 -IF WVISIBLE("memowin")
227 ACTIVATE WINDOW memowin SAME
228 -ELSE
229 ACTIVATE WINDOW memowin NOSHOW
230 -ENDIF
231 @ 1,000,4,667 GET m.title ;
232 SIZE 1,154,77,000 ;
233 DEFAULT " " ;
234 font "MS Sans Serif", 8 ;
235 PICTURE "g" ;
236 DISABLE
237 @ 3,692,5,000 EDIT m.text ;
238 SIZE 13,769,75,800,0,000 ;
239 DEFAULT " " ;
240 font "MS Sans Serif", 8 ;
241 SCROLL
242 @ 21,077,23,667 GET m.save ;
243 PICTURE "g"HT \<Print;\<Another;\<Quit" ;
244 SIZE 1,769,8,500,1,000 ;
245 DEFAULT 1 ;
246 font "MS Sans Serif", 8 ;
247 STYLE "n" ;
248 VALID _qig0ixpjo()
249
250 -IF NOT WVISIBLE("memowin")
251 ACTIVATE WINDOW memowin
252 -ENDIF
253
254 READ CYCLE
255 RELEASE WINDOW memowin
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362 * * * * *

Function: _qig0ixpjo    m.save VALID
Called by: MEMOMIN.SPR
           : MEMOMIN.PRG
Calls: V_PRINT.SPR

*****
Function: _qig0ixpjo    && m.save VALID
#REGION 1
IF m.save = 1          && Print
DO W_print.spr WITH m.text
m.quit = .F.
ENDIF
IF m.save = 2          && Another
ENDIF
IF m.quit = .F.
ENDIF
IF m.save = 3          && Quit
m.quit = .T.
ENDIF
*: EOF: MEMOMIN.AC1

```

```

263 SELECT (m.currarea)
264
265 #REGION 0
266 IF m.talkstat = "ON"
267 SET TALK ON
268 ENDIF
269 IF m.compstat = "ON"
270 SET COMPATIBLE ON
271 ENDIF
272
273 * * * * *
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326 * * * * *

Function: _qig0ixod()
Called by: MEMOMIN.SPR
           : MEMOMIN.PRG
Calls: V_PRINT.SPR

*****
Function: _qig0ixod    && m.save VALID
#REGION 1
IF m.save = 1          && Print
DO W_print.spr WITH m.text
RETURN m.save
ENDIF
IF m.save = 2          && Another
RETURN m.save
ENDIF
IF m.quit = .F.
RETURN m.save
ENDIF
IF m.save = 3          && Quit
RETURN m.save
ENDIF

```

```

1 10/27/93          V_PRINT.SPR          14:49:39
2
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7
8 Author's Name
9 Copyright (c) 1993 Company Name
10 Address
11 City, Zip
12 Description:
13 This program was automatically generated by GENSCRN.
14
15
16
17
18 PARAMETERS TEXT
19
20
21
22
23
24
25
26
27
28 #REGION 1
29 IF PARAMETER() = 0
30 RETURN
31 ENDIF
32
33 #REGION 0
34 REGIONAL m.currarea, m.talkstat, m.compstat
35
36
37 IF SEI("TALK") = "ON"
38 SET TALK OFF
39 m.talkstat = "ON"
40 ELSE
41 m.talkstat = "OFF"
42 ENDIF
43 m.compstat = SET("COMPATIBLE")
44 SET COMPATIBLE FOXPLUS
45
46
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67 DOUBLE ;
68 COLOR SCHEME 5
69
70
71
72
73
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75
76
77
78
79
80 #REGION 1
81 PRIVATE mchoice, mprintfile, mfilename, i
82 mchoice = 1
83 mfilename = "hnlccm.txt"
84 mprintfile = mfilename
85
86
87
88
89
90
91
92
93
94 #REGION 1
95 IF MWISIBLE("w_prn")
96 ACTIVATE WINDOW w_prn SAME
97 ELSE
98 ACTIVATE WINDOW w_prn NOSHOW
99 ENDIF
100 a 0,0 TO 3,40
101 a 5,0 TO 6,40
102 a 6,1 SAY "Filename:" ;
103 SIZE 1,9,0
104 a 6,11 GET mprintfile ;
105 SIZE 1,29 ;
106 DEFAULT " " ;
107 VALID qkf0vs4nc()
108 a 10,9 GET mbuttons ;
109 PICTURE "g*HT OK;\?Cancel" ;
110 SIZE 1,8,3 ;
111 DEFAULT " " ;
112 VALID qkf0vs4ph()
113 a 1,17 GET mchoice ;
114 PICTURE "g*RVN File;Printer" ;
115 SIZE 1,11,0 ;
116 DEFAULT 1 ;
117 VALID qkf0vs4rm()
118 a 1,1 SAY "Print to: " ;
119 SIZE 1,10,0
120
121
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```

DOUBLE ;
COLOR SCHEME 5

V_PRINT/MS-DOS Setup Code - SECTION 2

#REGION 1
PRIVATE mchoice, mprintfile, mfilename, i
mchoice = 1
mfilename = "hnlccm.txt"
mprintfile = mfilename

V_PRINT/MS-DOS Screen Layout

#REGION 1
IF MWISIBLE("w_prn")
ACTIVATE WINDOW w_prn SAME
ELSE
ACTIVATE WINDOW w_prn NOSHOW
ENDIF
a 0,0 TO 3,40
a 5,0 TO 6,40
a 6,1 SAY "Filename:" ;
SIZE 1,9,0
a 6,11 GET mprintfile ;
SIZE 1,29 ;
DEFAULT " " ;
VALID qkf0vs4nc()
a 10,9 GET mbuttons ;
PICTURE "g*HT OK;\?Cancel" ;
SIZE 1,8,3 ;
DEFAULT " " ;
VALID qkf0vs4ph()
a 1,17 GET mchoice ;
PICTURE "g*RVN File;Printer" ;
SIZE 1,11,0 ;
DEFAULT 1 ;
VALID qkf0vs4rm()
a 1,1 SAY "Print to: " ;
SIZE 1,10,0

IF NOT MWISIBLE("w_prn")
ACTIVATE WINDOW w_prn
ENDIF
READ CYCLE
RELEASE WINDOW w_prn
#REGION 0
IF m.talkstat = "ON"
SET TALK ON
ENDIF
IF m.compstat = "ON"

133 SET COMPATIBLE ON
134 _ENDIF

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#REGION 1
* print encounter

M_PRINT/MS-DOS Supporting Procedures and Functions

#REGION 1
FUNCTION printfile

mprintfile = ALLTRIM(mprintfile)
IF EMPTY(mprintfile)
* list to printer or file
IF mprintfile != "PRINT"
* list to file
SET PRINTER TO (mprintfile)
ENDIF
SET CONSOLE OFF
SET PRINTER ON

? m.text
IF mprintfile = "PRINT"
EJECT
ENDIF
SET PRINTER OFF
SET PRINTER TO
SET CONSOLE ON
ENDIF
RETURN

_OKFOVS4NC
Function Origin: mprintfile VALID
From Platform: MS-DOS
From Screen: M_PRINT
Variable: mprintfile
Called By: VALID Clause
Object Type: Field
Snippet Number: 1
Record Number: 5

FUNCTION_qkf0vs4nc && mprintfile VALID
#REGION 1
mfilename = mprintfile

199

RETURN .T.

_OKFOVS4PH
Function Origin: mbuttons VALID
From Platform: MS-DOS
From Screen: M_PRINT
Variable: mbuttons
Called By: VALID Clause
Object Type: Push Button
Snippet Number: 2
Record Number: 6

FUNCTION_qkf0vs4ph && mbuttons VALID
#REGION 1
IF mbuttons = 1
= printfile()
ENDIF

_OKFOVS4RM
Function Origin: mchoice VALID
From Platform: MS-DOS
From Screen: M_PRINT
Variable: mchoice
Called By: VALID Clause
Object Type: Radio Button
Snippet Number: 3
Record Number: 7

FUNCTION_qkf0vs4rm && mchoice VALID
#REGION 1
IF mchoice = 1
mprintfile = mfilename
CUROBJ = OBJNUM(mprintfile)
ELSE
mprintfile = "PRINT"
ENDIF
SHOW GETS
RETURN .T.
*: EOF: M_PRINT.AC1

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12/01/93	HMENU.MPR	14:37:41
Author's Name		
Copyright (c) 1993 Company Name		
Address		
City, Zip		
Description:	This program was automatically generated by GENMENU.	

Menu Definition

```

66 define bar 5 of hmlccm prompt "\<Set Parameters";
67 skip for (m.pass) != "SYSHAZ";
68 on bar 1 of hmlccm activate popup costanalys
69 on selection bar 2 of hmlccm do hmlcctab
70 on selection bar 3 of hmlccm do hmlcctab
71 on bar 4 of hmlccm activate popup systemmain
72 on bar 5 of hmlccm activate popup setparamet
73
74 define popup costanalys margin relative shadow color scheme 4
75 define bar 1 of costanalys prompt "\<Build Hazmat Scenario"
76 on selection bar 1 of costanalys do hmssc
77
78 define popup systemmain margin relative shadow color scheme 4
79 define bar 1 of systemmain prompt "\<Back-Up (floppy)"
80 define bar 2 of systemmain prompt "\<Up-Load Data"
81 on selection bar 1 of systemmain ;
82 do qleovcgc;
83 in Tocfile("WORK\HMENU" ,"MPX;MPR|FXP;PRG" ,"Where is HMENU?")
84 on selection bar 2 of systemmain ;
85 do qleovcgg;
86 in Tocfile("WORK\HMENU" ,"MPX;MPR|FXP;PRG" ,"Where is HMENU?")
87
88 define popup setparamet margin relative shadow color scheme 4
89 define bar 1 of setparamet prompt "\<Materials";
90 key ctrl+m "CTRL+M"
91 define bar 2 of setparamet prompt "\<Life Cycle Phase";
92 key ctrl+l "CTRL+L"
93 define bar 3 of setparamet prompt "\<Process";
94 key ctrl+w "CTRL+W"
95 define bar 4 of setparamet prompt "E\<Xposure Type";
96 key ctrl+x "CTRL+X"
97 define bar 5 of setparamet prompt "Cost \<Factors ";
98 key ctrl+f "CTRL+F"
99 define bar 6 of setparamet prompt "Cost Factor \<Elements ";
100 key ctrl+e "CTRL+E"
101 define bar 7 of setparamet prompt "Cost Factor Element \<Items";
102 key ctrl+i "CTRL+I"
103 define bar 8 of setparamet prompt "\<Build Hazmat Table";
104 key ctrl+b "CTRL+B"
105 on selection bar 1 of setparamet do hmat.spr
106 on selection bar 2 of setparamet do hmlc.spr
107 on selection bar 3 of setparamet do hmep.spr
108 on selection bar 4 of setparamet do hmet.spr
109 on selection bar 5 of setparamet do hmcf.spr
110 on selection bar 6 of setparamet do hmcf.spr
111 on selection bar 7 of setparamet do hmcf.spr
112 on selection bar 8 of setparamet do hmcf.spr
113
114 define popup mfile margin relative shadow color scheme 4
115 define bar mfi_setup of mfile prompt "pr\<Printer Setup..."
116 define bar mfi_print of mfile prompt "\<Print..."
117 define bar mfi_sp300 of mfile prompt "\<Quit"
118 on selection bar 4 of mfile do _mfile do _quit
119
120 on selection bar 4 of _mfile do _quit in hminit
121
122 define popup _medit margin relative shadow color scheme 4
123 define bar _med_undo of _medit prompt "\<Undo";
124 key ctrl+u "U"
125 define bar _med_redo of _medit prompt "\<Redo";
126 key ctrl+r "R"
127 define bar _med_sp100 of _medit prompt "\<";
128 key ctrl+x "X"
129 define bar _med_copy of _medit prompt "\<Copy";
130 key ctrl+c "C"
131 define bar _med_paste of _medit prompt "\<Paste";

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132 key ctrl+v, "v"
133 define bar _med_clear of _medit prompt "Clear"
134 define bar _med_sp200 of _medit prompt "\-"
135 define bar _med_slcta of _medit prompt "Select \<All" ;
136 key ctrl+a, "A"
137 define bar _med_sp300 of _medit prompt "\-"
138 define bar _med_goto of _medit prompt "Goto \<Line..."
139 define bar _med_find of _medit prompt "\<Find..." ;
140 key ctrl+f, "F"
141 define bar _med_finda of _medit prompt "Find A\<gain" ;
142 key ctrl+g, "G"
143 define bar _med_repl of _medit prompt "R\<eplace And Find Again" ;
144 key ctrl+e, "E"
145 define bar _med_repla of _medit prompt "R\<eplace All"
146 define bar _med_sp400 of _medit prompt "\-"
147 define bar _med_pref of _medit prompt "Prefer\<nces..."
148
149 define popup _mdata margin relative shadow color scheme 4
150 define bar _mda_brow of _mdata prompt "\<Browse"
151 define bar _mda_sp100 of _mdata prompt "\-"
152 define bar _mda_sort of _mdata prompt "\<Sort..."
153 define bar _mda_total of _mdata prompt "\<Total..."
154 define bar _mda_sp200 of _mdata prompt "\-"
155 define bar _mda_avg of _mdata prompt "A\<verage..."
156 define bar _mda_count of _mdata prompt "C\<ount..."
157 define bar _mda_sum of _mdata prompt "S\<um..."
158 define bar _mda_calc of _mdata prompt "Calculat\<e..."
159 define bar _mda_reprt of _mdata prompt "\<Report..."
160
161 define popup _mrecord margin relative shadow color scheme 4
162 define bar _mrc_goto of _mrecord prompt "\<Goto..."
163 define bar _mrc_locat of _mrecord prompt "\<Locate..."
164 define bar _mrc_cont of _mrecord prompt "\<Continue" ;
165 key ctrl+k, "K"
166 define bar _mrc_seek of _mrecord prompt "\<Seek..."
167 define bar _mrc_sp200 of _mrecord prompt "\-"
168 define bar _mrc_repl of _mrecord prompt "Re\<place..."
169 define bar _mrc_dlet of _mrecord prompt "\<Delete..."
170 define bar _mrc_recal of _mrecord prompt "\<Recall..."
171
172 define popup _mprog margin relative shadow color scheme 4
173 define bar _mpr_cancel of _mprog prompt "\<Cancel"
174 define bar _mpr_resum of _mprog prompt "\<Resume" ;
175 key ctrl+m, "M"
176
177 define popup _mwindow margin relative shadow color scheme 4
178 define bar _mwi_hide of _mwindow prompt "\<Hide"
179 define bar _mwi_showa of _mwindow prompt "\<Hide All"
180 define bar _mwi_showa of _mwindow prompt "Sh\<ow All"
181 define bar _mwi_clear of _mwindow prompt "Clea\<r"
182 define bar _mwi_sp100 of _mwindow prompt "\-"
183 define bar _mwi_move of _mwindow prompt "\<Move" ;
184 key ctrl+w, "W"
185 define bar _mwi_size of _mwindow prompt "\<Size" ;
186 key ctrl+f8, "F8"
187 define bar _mwi_zoom of _mwindow prompt "\<Zoom 1" ;
188 define bar _mwi_min of _mwindow prompt "Z\<oom 1" ;
189 key ctrl+f9, "F9"
190 define bar _mwi_rotat of _mwindow prompt "\<Cycle" ;
191 key ctrl+f1, "F1"
192 define bar _mwi_color of _mwindow prompt "Co\<lor..."
193 define bar _mwi_sp200 of _mwindow prompt "\-"
194 define bar _mwi_cmd of _mwindow prompt "Command" ;
195 key ctrl+f2, "F2"
196 define bar _mwi_debug of _mwindow prompt "\<Debug"
197

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198 define bar _mwi_trace of _mwindow prompt "\<Trace"
199 define bar _mwi_view of _mwindow prompt "\<View"
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Cleanup Code & Procedures

_QLEOVQDQC ON SELECTION BAR 1 OF POPUP systemmain
 Procedure Origin:
 From Menu: HMENU.MPR, Record: 18
 Called By: ON SELECTION BAR 1 OF POPUP systemmain
 Prompt: Back-Up (floppy)
 Snippet: 1

_QLEOVQDQC ON SELECTION BAR 2 OF POPUP systemmain
 Procedure Origin:
 From Menu: HMENU.MPR, Record: 19
 Called By: ON SELECTION BAR 2 OF POPUP systemmain
 Prompt: Up-Load Data
 Snippet: 2

Procedure qle0vc09g
 * BACK TO VAX FROM REMOTE SITE
 =errmsg("This option is not available in this version.")
 *errmsg("Uploading from remote site to VAX")
 *vax_back()
 return
 *: EOF: HMENU.AC2

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

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