

|                    |     |                  |                |     |
|--------------------|-----|------------------|----------------|-----|
| HHH                | HHH | LLL              | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLL              | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLL              | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHHHHHHHHHHHHHHHHH | LLL | DDD              | DDD            |     |
| HHHHHHHHHHHHHHHHHH | LLL | DDD              | DDD            |     |
| HHHHHHHHHHHHHHHHHH | LLL | DDD              | DDD            |     |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLL              | DDD            | DDD |
| HHH                | HHH | LLLLLLLLLLLLLLLL | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLLLLLLLLLLLLLLL | DDDDDDDDDDDDDD |     |
| HHH                | HHH | LLLLLLLLLLLLLLLL | DDDDDDDDDDDDDD |     |

|            |    |            |          |            |          |          |        |    |      |
|------------|----|------------|----------|------------|----------|----------|--------|----|------|
| HH         | HH | LL         | DDDDDDDD | TTTTTTTTTT | AAAAAA   | SSSSSSSS | KK     | KK |      |
| HH         | HH | LL         | DDDDDDDD | TTTTTTTTTT | AAAAAA   | SSSSSSSS | KK     | KK |      |
| HH         | HH | LL         | DD       | DD         | AA       | SS       | KK     | KK |      |
| HH         | HH | LL         | DD       | DD         | AA       | SS       | KK     | KK |      |
| HH         | HH | LL         | DD       | DD         | AA       | SS       | KK     | KK |      |
| HH         | HH | LL         | DD       | DD         | AA       | SS       | KK     | KK |      |
| HHHHHHHHHH | LL | DD         | DD       | TT         | AA       | SSSSSS   | KKKKKK |    |      |
| HHHHHHHHHH | LL | DD         | DD       | TT         | AA       | SSSSSS   | KKKKKK |    |      |
| HH         | HH | LL         | DD       | DD         | AAAAAAAA | SS       | KK     | KK |      |
| HH         | HH | LL         | DD       | DD         | AAAAAAAA | SS       | KK     | KK |      |
| HH         | HH | LL         | DD       | DD         | AA       | SS       | KK     | KK |      |
| HH         | HH | LL         | DD       | DD         | AA       | SS       | KK     | KK |      |
| HH         | HH | LL         | DD       | DD         | AA       | SS       | KK     | KK |      |
| HH         | HH | LLLLLLLLLL | DDDDDDDD | TT         | AA       | SSSSSSSS | KK     | KK | .... |
| HH         | HH | LLLLLLLLLL | DDDDDDDD | TT         | AA       | SSSSSSSS | KK     | KK | .... |

```

LL          IIIII
LL          IIIII
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LLLLLLLLLL IIIII
LLLLLLLLLL IIIII
SSSSSSSSS
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SSSSSSSSS
SSSSSSSSS

```



```
0000 1 .TITLE HLDTASK - HLD TASK FILE I/O
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 ++
0000 30 FACILITY: DECNET HOST LOADER (HLD)
0000 31
0000 32 ABSTRACT:
0000 33
0000 34 HLD IS A COMPONENT OF DECNET/VAX-11. IT PROVIDES ACCESS TO
0000 35 RSX11S TASK IMAGES STORED ON A VAX SYSTEM.
0000 36
0000 37 ENVIRONMENT:
0000 38
0000 39 THE HLD IMAGE EXECUTES IN THE CONTEXT OF A PROCESS CREATED BY
0000 40 NETACP. IT RUNS IN USER MODE AND REQUIRES NETWORK PRIVILEGE.
0000 41
0000 42 AUTHOR: SCOTT G. DAVIS, CREATION DATE: 06-JUN-79
0000 43
0000 44 MODIFICATIONS:
0000 45
0000 46 V001 SGD0001 14-Mar-1984
0000 47 Locate checkpoint space and overlays correctly
0000 48 --
0000 49
0000 50 INCLUDE FILES
0000 51
0000 52 HDRDFS ; TASK HEADER DEFINITIONS
0000 53 LBLDFS ; LABEL BLOCK DEFINITIONS
0000 54 $HLDDEF
0000 55
0000 56 MACROS:
0000 57
```

HLDTASK  
V04-000

- HLD TASK FILE I/O

N 4

16-SEP-1984 01:42:15 VAX/VMS Macro V04-00  
5-SEP-1984 01:28:40 [HLD.SRC]HLDTASK.MAR;1

Page 2  
(1)

0000 58 : NONE



```

0000      60  ;
0000      61  ; LOCAL DATA
0000      62  ;
00000000    63      .PSECT  HLD$PURE      NOSHR,NOEXE,RD,NOWRT,LONG
0000      64

```



```
00000000 66      .PSECT  HLD$CODE      NOSHR,EXE,RD,NOWRT
0000 67
0000 68 :++
0000 69 : FUNCTIONAL DESCRIPTION:
0000 70
0000 71 : HLD$OPEN_TSKFIL OPENS THE SPECIFIED TASK FILE AND VERIFIES
0000 72 : WHATEVER IS NECESSARY.
0000 73
0000 74 : INPUTS:
0000 75
0000 76 :     HLD$TSKFAB IS SET UP
0000 77 :     R11 IS BASE OF REMAINDER OF OPTIONAL DATA
0000 78
0000 79 : OUTPUTS:
0000 80 :     R6 - NO. OF INTEGRAL LUN BLOCKS
0000 81 :     R7 - NO. OF BYTES IN LUN BLOCK AFTER LAST FULL ONE
0000 82 :     R8 - NO. OF INTEGRAL DISK BLOCKS
0000 83 :     R9 - NO. OF BYTES IN DISK BLOCK AFTERS LAST FULL ONE
0000 84
0000 85 :--
0000 86
0000 87 HLD$OPEN_TSKFIL::      : ENTRY POINT
50 0000'CF 9E 0000 88      MOVAB  W^HLD$TSKFAB,R0      : SET TO OPEN FILE
   FFF8' 30 0005 89      BSBW   HLD$RMS_OPEN      : DO IT
50 0000'CF 9E 0008 90      MOVAB  W^HLD$TSKRAB,R0     : SET TO CONNECT RECORD STREAM
   FFF0' 30 000D 91      BSBW   HLD$RMS_CONNECT     : DO IT
   FFED' 30 0010 92      BSBW   HLD$DISK_READ      : READ THE LABEL BLOCK
0000 93
0000 94 : VALIDATE THE FILE
0000 95
5A 0000'CF D0 0013 96      MOVL   W^HLD$TSKRAB+RAB$L_RBF,R10 : POINT TO THE BUFFER
18 AA 4000 8F B3 0018 97      BITW   #TSS$NHD,LSBFLG(R10) : IS THERE A HEADER?
   03 13 001E 98      BEQL   5$      : IF EQL OK
   00D7 31 0020 99      BRW     121$      : ERROR
0000 100 5$:
51 00'AB 3C 0023 101      MOVZWL  B^HLD$W_PART_SIZE(R11),R1 : GET THE PARTITION SIZE
56 00'AB 3C 0027 102      MOVZWL  B^HLD$W_PART_ADDR(R11),R6 : GET THE PARTITION ADDRESS
   0B 12 002B 103      BNEQ   10$      : IF NEQ TASK IS UNMAPPED
08 AA 1FFF 8F B3 002D 104      BITW   #^017777,LSBSA(R10) : IS TASK ON A 4K WORD BOUNDARY?
   11 13 0033 105      BEQL   20$      : IF EQL YES
   00C7 31 0035 106      BRW     131$      : ERROR
0000 107
0000 108 : TASK IS UNMAPPED
0000 109
0000 110 10$:
08 AA 56 B1 0038 111      CMPW   R6,LSBSA(R10)      : DOES PARTITION ADDRESS = BASE ADDR?
   03 13 003C 112      BEQL   15$      : IF EQL YES - OK
   00C3 31 003E 113      BRW     141$      : ERROR
0000 114 15$:
51 0040 8F A6 0041 115      DIVW2  #64,R1      : CONVERT TO 32.-WORD BLOCKS
   0046 116
   0046 117 : CHECK REQUEST TYPE
   0046 118
   0046 119 20$:
   00'AB 95 0046 120      TSTB   B^HLD$B_REQUEST(R11) : INITIAL LOAD?
   19 12 0049 121      BNEQ   30$      : If NEQ not initial load
0000 122 ;
```



```
004B 123 : INITIAL LOAD REQUEST
004B 124 :
51 10 AA B1 004B 125 CMPW L$BMXZ(R10),R1 : IS FILE > PARTITION?
03 1B 004F 126 BLEQU 25$ : If LEQU no - proceed
00B5 31 0051 127 BRW 151$ : Error
51 0E AA 3C 0054 128 25$: MOVZWL L$BLDZ(R10),R1 : THIS IS THE REAL XFER SIZE
53 00EE CA 3C 0058 129 MOVZWL L$BHRB(R10),R3 : GET OFFSET TO HEADER BLOCK
0000'CF 53 C0 005D 130 ADDL2 R3,W^HLD$GL_TSKBKT : SET UP THE BLOCK NO.
53 11 0062 131 BRB 40$ : PROCEED
0064 132 30$:
54 00F0 CA 3C 0064 133 MOVZWL L$BLK(R10),R4 : Get number of label blocks
0000'CF 54 C0 0069 134 ADDL2 R4,W^HLD$GL_TSKBKT : Point to checkpoint space
00'AB 95 006E 135 TSTB B^HLD$B_REQUEST(R11) : Overlay request?
13 19 0071 136 BLSS 32$ : If LSS yes
0073 137 :
0073 138 : CHECKPOINT REQUEST OF SOME SORT
0073 139 :
53 00EE CA B0 0073 140 MOVW L$BHRB(R10),R3 : OFFSET TO HEADER BLOCK
53 54 A2 0078 141 SUBW R4,R3 : Compute chkpt size in blocks
53 08 A4 007B 142 MULW2 #8,R3 : CONVERT TO 32.-WORD BLOCKS
53 51 B1 007E 143 CMPW R1,R3 : IS PARTITION > CHECKPOINT SPACE?
34 1B 0081 144 BLEQU 40$ : If LEQU no
0088 31 0083 145 BRW 161$ : Output error
0086 146 :
0086 147 : Process overlay request
0086 148 :
0086 149 32$:
53 00EE CA B0 0086 150 MOVW L$BHRB(R10),R3 : Offset to header block
53 54 A2 008B 151 SUBW R4,R3 : Compute chkpt size in blocks
0000'CF 53 C0 008E 152 ADDL R3,W^HLD$GL_TSKBKT : Skip over checkpoint space
56 00'AB B0 0093 153 MOVW B^HLD$B_OVL_VBN(R11),R6 : Set VBN for overlay
02'AB B0 0097 154 MOVW B^HLD$B_OVL_VBN+2(R11),-
00'AB 009A 155 B^HLD$B_OVL_VBN(R11)
02'AB 56 B0 009C 156 MOVW R6,B^HLD$B_OVL_VBN+2(R11)
0000'CF 00'AB C0 00A0 157 ADDL B^HLD$B_OVL_VBN(R11),W^HLD$GL_TSKBKT ; Set VBN for overlay
00'AB 3C 00A6 158 MOVZWL B^HLD$B_PART_SIZE(R11),- ; Get overlay size
51 00A9 159 R1
59 58 51 00000200 8F 7B 00AA 160 CLRL R2 : Prepare for quadword divide
15 11 00AC 161 EDIV #512,R1,R8,R9 : Compute no. of blocks to go
00B5 162 BRB 50$ : Finish in common code
00B7 163 :
00B7 164 : FINISH UP PROCESSING, MOSTLY W.R.T LUNS
00B7 165 :
00B7 166 40$:
59 58 51 52 D4 00B7 167 CLRL R2 : FOR EDIV (QUAD DIVIDEND)
08 7B 00B9 168 EDIV #8,R1,R8,R9 : R8 - NO. OF INTEGRAL BLOCKS
00BE 169 : R9 - SIZE OF LAST BLOCK IN 32.-WORD CHUNKS
59 0040 8F A4 00BE 170 MULW2 #64,R9 : GET NO. OF BYTES FOR LAST TRANSFER
56 B5 00C3 171 TSTW R6 : MAPPED SYSTEM?
05 13 00C5 172 BEQL 50$ : IF EQL YES
51 0040 8F A4 00C7 173 MULW2 #64,R1 : CONVERT BACK TO BYTES
00CC 174 50$:
00'AB 51 B0 00CC 175 MOVW R1,B^HLD$B_XFR_SIZE(R11) ; GIVE SIZE TO SLD
00D0 176 55$:
56 7C 00D0 177 CLRQ R6 : MAY BE NO LUNS
00'AB 94 00D2 178 CLRB B^HLD$B_NLUNS(R11) : ASSUME NO LUN-FIXING
00'AB 95 00D5 179 TSTB B^HLD$B_REQUEST(R11) : INITIAL LOAD?
```



```
57 56 52 00000080 57 04 1F 12 00D8 180 BNEQ 60$ : IF NEQ NO
0000'CF 19 13 00DA 181 TSTB W^HLD$GB_LUNFLAG : LUN-FIXING REQUIRED?
52 00F2 CA 9A 00E0 182 BEQL 60$ : IF EQL NO
00'AB 52 90 00E5 183 MOVZBL L$BLUN(R10),R2 : GET NO. OF LUNS
0E 13 00E9 184 MOVB R2,B^HLD$B_NLUNS(R11) : STORE FOR SLD
53 D4 00EB 185 BEQL 60$ : IF EQL NONE TO FIX
8F 7B 00ED 186 CLRL R3 : EDIV USES QUAD DIVIDEND
57 04 C4 00F6 187 EDIV #128,R2,R6,R7 : COMPUTE STUFF FOR LUN BLOCK TRANSFER
05 00F9 188 MULL2 #4,R7 : NO. OF BYTES
00FA 189 60$: RSB : DONE
00FA 190
00FA 191
00FA 192 : ERROR PROCESSING
00FA 193
00FA 194
00FA 195 121$: : NO HEADER
56 04 D0 00FA 196 MOVL #HLD$C_ERR_NOHDR,R6 :
14 11 00FD 197 BRB 911$ :
56 05 D0 00FF 198 131$: : MAPPED TASK NOT ON 4K BOUNDARY
0F 11 0102 199 BRB 911$ :
56 06 D0 0104 200 141$: : UNMAPPED PARTITION MISMATCH
0A 11 0107 201 BRB 911$ :
56 07 D0 0109 202 151$: : FILE TOO BIG FOR PARTITION
05 11 010C 203 BRB 911$ :
56 08 D0 010E 204 161$: : PARTITION TOO BIG FOR CHKPT
00 11 0111 205 BRB 911$ :
0000'CF 56 90 0113 206 911$: : SAVE FOR PROCESSING
50 00' D0 0118 207 MOVB R6,W^HLD$GB_ERRORFLG : No more messages in LOG
FEE2' 31 011B 208 MOVL S^SS$NORMAL,R0 : THAT IS ALL
011E 209 BRW HLD$EXIT_TO_VMS
011E 210
011E 211
011E 212
011E 213
011E 214
011E 215 .END
```



| Variable          | Value    | Variable   | Value      | Variable | Value | Variable | Value |
|-------------------|----------|------------|------------|----------|-------|----------|-------|
| H.CSP             | 00000000 | L\$BLDZ    | 0000000E   |          |       |          |       |
| H.CUIC            | 00000008 | L\$BLIB    | 00000020   |          |       |          |       |
| H.DSW             | 00000026 | L\$BLUN    | 000000F2   |          |       |          |       |
| H.DUIC            | 0000000A | L\$BMXV    | 0000000C   |          |       |          |       |
| H.EFLM            | 00000004 | L\$BMXZ    | 00000010   |          |       |          |       |
| H.EFSV            | 00000020 | L\$BOFF    | 00000012   |          |       |          |       |
| H.FCS             | 00000028 | L\$BPAR    | 00000004   |          |       |          |       |
| H.FORT            | 0000002A | L\$BPRI    | 000000E6   |          |       |          |       |
| H.FPSA            | 00000022 | L\$BSA     | 00000008   |          |       |          |       |
| H.FPVA            | 0000001C | L\$BSEG    | 00000016   |          |       |          |       |
| H.GARD            | 0000003A | L\$BSGL    | 000000EC   |          |       |          |       |
| H.HDLN            | 00000002 | L\$BTsk    | 00000000   |          |       |          |       |
| H.IPC             | 0000000E | L\$BWND    | 00000014   |          |       |          |       |
| H.IPS             | 0000000C | L\$BXFR    | 000000E8   |          |       |          |       |
| H.ISP             | 00000010 | LD\$ACC    | = FFFF8000 |          |       |          |       |
| H.LUN             | 0000003E | LD\$REL    | = 00000004 |          |       |          |       |
| H.NLUN            | 0000003C | LD\$RSV    | = 00004000 |          |       |          |       |
| H.NML             | 00000031 | RL\$DAT    | 00000016   |          |       |          |       |
| H.ODVA            | 00000012 | RL\$FLG    | 00000014   |          |       |          |       |
| H.ODVL            | 00000014 | RL\$HGV    | 00000006   |          |       |          |       |
| H.OVLY            | 0000002C | RL\$LDZ    | 0000000A   |          |       |          |       |
| H.PFVA            | 0000001A | RL\$MXV    | 00000008   |          |       |          |       |
| H.RCVA            | 0000001E | RL\$MXZ    | 0000000C   |          |       |          |       |
| H.RRVA            | 00000032 | RL\$NAM    | 00000000   |          |       |          |       |
| H.SPRI            | 00000030 | RL\$OFF    | 0000000E   |          |       |          |       |
| H.TKVA            | 00000016 | RL\$SA     | 00000004   |          |       |          |       |
| H.TKVL            | 00000018 | RL\$SEG    | 00000012   |          |       |          |       |
| H.VEXT            | 0000002E | RL\$SIZ    | 0000001C   |          |       |          |       |
| H.WND             | 00000024 | RL\$WND    | 00000010   |          |       |          |       |
| HLD\$B_NLUNS      | *****    | RAB\$RBF   | *****      | X        | 05    |          |       |
| HLD\$B_REQUEST    | *****    | SS\$NORMAL | *****      | X        | 05    |          |       |
| HLD\$C_ERR_BADPR= | 00000006 | TSS\$ACP   | = 00002000 |          |       |          |       |
| HLD\$C_ERR_BIGFL= | 00000007 | TSS\$CHK   | = 00000040 |          |       |          |       |
| HLD\$C_ERR_BIGPR= | 00000008 | TSS\$CMP   | = 00000080 |          |       |          |       |
| HLD\$C_ERR_NOHDR= | 00000004 | TSS\$NET   | = 00000200 |          |       |          |       |
| HLD\$C_ERR_NOT4K= | 00000005 | TSS\$NHD   | = 00004000 |          |       |          |       |
| HLD\$DTSK_READ    | *****    | TSS\$NSD   | = 00000400 |          |       |          |       |
| HLD\$EXIT_TO_VMS  | *****    | TSS\$PIC   | = FFFF8000 |          |       |          |       |
| HLD\$GB_ERRORFLG  | *****    | TSS\$PMD   | = 00001000 |          |       |          |       |
| HLD\$GB_LUNFLAG   | *****    | TSS\$PRV   | = 00000100 |          |       |          |       |
| HLD\$GL_TSKBKT    | *****    | TSS\$RES   | = 00000020 |          |       |          |       |
| HLD\$L_OVL_VBN    | *****    | TSS\$SLV   | = 00000800 |          |       |          |       |
| HLD\$OPEN_TSKFIL  | 00000000 | W.BATT     | 00000006   |          |       |          |       |
| HLD\$RMS_CONNECT  | *****    | W.BFPD     | 0000000C   |          |       |          |       |
| HLD\$RMS_OPEN     | *****    | W.BHVR     | 00000004   |          |       |          |       |
| HLD\$TSKFAB       | *****    | W.BLGH     | 00000010   |          |       |          |       |
| HLD\$TSKRAB       | *****    | W.BLPD     | 0000000E   |          |       |          |       |
| HLD\$W_PART_ADDR  | *****    | W.BLVR     | 00000002   |          |       |          |       |
| HLD\$W_PART_SIZE  | *****    | W.BNPD     | 0000000D   |          |       |          |       |
| HLD\$W_XFR_SIZE   | *****    | W.BoFF     | 0000000A   |          |       |          |       |
| L\$BASG           | 00000200 | W.BPCB     | 00000000   |          |       |          |       |
| L\$BBLK           | 000000F0 | W.BSIZ     | 00000008   |          |       |          |       |
| L\$BDAT           | 0000001A |            |            |          |       |          |       |
| L\$BEXT           | 000000EA |            |            |          |       |          |       |
| L\$BFLG           | 00000018 |            |            |          |       |          |       |
| L\$BHGV           | 0000000A |            |            |          |       |          |       |
| L\$BHRB           | 000000EE |            |            |          |       |          |       |



+-----+  
! Psect synopsis !  
+-----+

| PSECT name | Allocation       | PSECT No. | Attributes                                              |
|------------|------------------|-----------|---------------------------------------------------------|
| . ABS .    | 00000000 ( 0.)   | 00 ( 0.)  | NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE |
| . BLANK .  | 00000000 ( 0.)   | 01 ( 1.)  | NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE       |
| ..ABS.     | 00000200 ( 512.) | 02 ( 2.)  | NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE       |
| \$ABSS     | 00000000 ( 0.)   | 03 ( 3.)  | NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE       |
| HLD\$PURE  | 00000000 ( 0.)   | 04 ( 4.)  | NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG   |
| HLD\$CODE  | 0000011E ( 286.) | 05 ( 5.)  | NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE     |

+-----+  
! Performance indicators !  
+-----+

| Phase                  | Page faults | CPU Time    | Elapsed Time |
|------------------------|-------------|-------------|--------------|
| Initialization         | 36          | 00:00:00.06 | 00:00:00.97  |
| Command processing     | 130         | 00:00:00.57 | 00:00:03.88  |
| Pass 1                 | 140         | 00:00:01.64 | 00:00:06.69  |
| Symbol table sort      | 0           | 00:00:00.12 | 00:00:00.21  |
| Pass 2                 | 60          | 00:00:00.63 | 00:00:02.07  |
| Symbol table output    | 9           | 00:00:00.08 | 00:00:00.31  |
| Psect synopsis output  | 3           | 00:00:00.03 | 00:00:00.04  |
| Cross-reference output | 0           | 00:00:00.00 | 00:00:00.00  |
| Assembler run totals   | 381         | 00:00:03.14 | 00:00:14.19  |

The working set limit was 1050 pages.

7342 bytes (15 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 113 non-local and 17 local symbols.

215 source lines were read in Pass 1, producing 19 object records in Pass 2.

11 pages of virtual memory were used to define 10 macros.

+-----+  
! Macro library statistics !  
+-----+

| Macro library name                  | Macros defined |
|-------------------------------------|----------------|
| _\$255\$DUA28:[HLD.OBJ]HLD.MLB;1    | 4              |
| -\$255\$DUA28:[SYSLIB]STARLET.MLB;2 | 3              |
| TOTALS (all libraries)              | 7              |

179 GETS were required to define 7 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:HLDTASK/OBJ=OBJ\$:HLDTASK MSRC\$:HLDTASK/UPDATE=(ENH\$:HLDTASK)+LIB\$:HLD/LIB



0186 AH-BT13A-SE  
VAX/VMS V4.0

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