

| | | | |
|--------------|------------|-----|----------------|
| CCCCCCCCCCCC | RRRRRRRRRR | | FFFFFFFFFFFFFF |
| CCCCCCCCCCCC | RRRRRRRRRR | | FFFFFFFFFFFFFF |
| CCCCCCCCCCCC | RRRRRRRRRR | | FFFFFFFFFFFFFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCC | RRR | RRR | FFF |
| CCCCCCCCCCCC | RRR | RRR | FFF |
| CCCCCCCCCCCC | RRR | RRR | FFF |
| CCCCCCCCCCCC | RRR | RRR | FFF |

```

CCCCCCCC RRRRRRRR FFFFFFFFFF GGGGGGGG LL 000000 BBBB8888 AAAAAA LL
CCCCCCCC RRRRRRRR FFFFFFFFFF GGGGGGGG LL 000000 BBBB8888 AAAAAA LL
CC        RR      RR FF          GG          LL 00      00 BB      BB AA      AA LL
CC        RR      RR FF          GG          LL 00      00 BB      BB AA      AA LL
CC        RR      RR FF          GG          LL 00      00 BB      BB AA      AA LL
CC        RR      RR FF          GG          LL 00      00 BB      BB AA      AA LL
CC        RRRRRRRR FFFFFFFF GG          LL 00      00 BBBB8888 AA      AA LL
CC        RRRRRRRR FFFFFFFF GG          LL 00      00 BBBB8888 AA      AA LL
CC        RR  RR   FF          GG  GGGGGG LL 00      00 BB      BB AAAAAAAAAA LL
CC        RR  RR   FF          GG  GGGGGG LL 00      00 BB      BB AAAAAAAAAA LL
CC        RR  RR   FF          GG          LL 00      00 BB      BB AA      AA LL
CC        RR  RR   FF          GG          LL 00      00 BB      BB AA      AA LL
CC        RR  RR   FF          GG          LL 00      00 BB      BB AA      AA LL
CCCCCCCC RR      RR FF          GGGGGG LLLLLLLLLL 000000 BBBB8888 AA      AA LLLLLLLLLL .....
CCCCCCCC RR      RR FF          GGGGGG LLLLLLLLLL 000000 BBBB8888 AA      AA LLLLLLLLLL .....

```

```

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

```

| | | |
|-----|----|--------------|
| (2) | 49 | DECLARATIONS |
|-----|----|--------------|

```

0000 1      .TITLE CRFGBL
0000 2      .IDENT 'V04-000'
0000 3
0000 4
0000 5 :*****
0000 6 :*
0000 7 :*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 8 :*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 9 :*  ALL RIGHTS RESERVED.
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0000 21 :*
0000 22 :*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 :*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27 :
0000 28 :
0000 29 :++
0000 30 : Facility: Cross reference program
0000 31 :
0000 32 : Abstract: this file defines global crf data.
0000 33 :
0000 34 :
0000 35 : Environment: it is part of a linkable image.
0000 36 :
0000 37 : Author: K.D. Morse, Creation date: 28-apr-77
0000 38 :
0000 39 : Modifications:
0000 40 :
0000 41 : No   Date           Programmer           Purpose
0000 42 : --   ----           -----
0000 43 :
0000 44 : 01   06-jul-78      K.D. Morse          Move error codes to crferrmsg.mdl.
0000 45 : 02   12-dec-79      B.L. Schreiber      Rework for new Cref
0000 46 :
0000 47 :--

```

DECLARATIONS

```

0000 49      .SBTTL  DECLARATIONS
0000 50
0000 51      ;
0000 52      ; CRF global symbols
0000 53      ;
0000 54      ;
0000 55      ;
0000 56      ; Indicator values for modes of output line
0000 57      ;
0000 58
00000000 0000 59 crf$k_values == 0      ; Print value fields
00000001 0000 60 crf$k_vals_refs == 1 ; Print value and ref fields
00000002 0000 61 crf$k_defs_refs == 2 ; Print value, def, and ref fields
0000 62
0000 63      ;
0000 64      ; Types of keys
0000 65      ;
0000 66
00000000 0000 67 crf$k_ascic == 0      ; Ascic key, max 15 chars
00000001 0000 68 crf$k_bin_u32 == 1 ; Unsigned 32 bit binary key
0000 69
0000 70      ;
0000 71      ; Save/delete tree indicator values
0000 72      ;
0000 73
00000001 0000 74 crf$k_save == 1      ; Save tree
00000000 0000 75 crf$k_delete == 0     ; Delete tree
0000 76
0000 77      ;
0000 78      ; Indicators for definitions and references on crf$insrtref call
0000 79      ;
0000 80
00000000 0000 81 crf$k_ref == 0      ; Reference to symbol
00000001 0000 82 crf$k_def == 1     ; Definition of symbol
0000 83
0000 84      .END

```

CRFSK_ASCIC = 00000000 G
 CRFSK_BIN_U32 = 00000001 G
 CRFSK_DEF = 00000001 G
 CRFSK_DEFS_REFS = 00000002 G
 CRFSK_DELETE = 00000000 G
 CRFSK_REF = 00000000 G
 CRFSK_SAVE = 00000001 G
 CRFSK_VALS_REFS = 00000001 G
 CRFSK_VALUES = 00000000 G

! Psect synopsis !

| PSECT name | Allocation | PSECT No. | Attributes | CON | ABS | LCL | NOSHR | NOEXE | NORD | NOWRT | NOVEC | BYTE |
|------------|------------|--------------|------------|-----|-----|-----|-------|-------|------|-------|-------|------|
| . ABS . | 00000000 (| 0.) 00 (0.) | NOPIC USR | | | | | | | | | |

! Performance indicators !

| Phase | Page faults | CPU Time | Elapsed Time |
|------------------------|-------------|-------------|--------------|
| Initialization | 48 | 00:00:00.13 | 00:00:00.67 |
| Command processing | 153 | 00:00:00.56 | 00:00:04.73 |
| Pass 1 | 65 | 00:00:00.30 | 00:00:00.89 |
| Symbol table sort | 0 | 00:00:00.01 | 00:00:00.01 |
| Pass 2 | 29 | 00:00:00.20 | 00:00:00.72 |
| Symbol table output | 3 | 00:00:00.01 | 00:00:00.02 |
| Psect synopsis output | 2 | 00:00:00.01 | 00:00:00.01 |
| Cross-reference output | 0 | 00:00:00.00 | 00:00:00.00 |
| Assembler run totals | 302 | 00:00:01.22 | 00:00:07.06 |

The working set limit was 900 pages.
 841 bytes (2 pages) of virtual memory were used to buffer the intermediate code.
 There were 10 pages of symbol table space allocated to hold 9 non-local and 0 local symbols.
 84 source lines were read in Pass 1, producing 9 object records in Pass 2.
 0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

| Macro library name | Macros defined |
|-------------------------------------|----------------|
| -\$255\$DUA28:[CRF.OBJ]CRF.MLB;1 | 0 |
| -\$255\$DUA28:[SYSLIB]STARLET.MLB;2 | 0 |
| TOTALS (all libraries) | 0 |

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:CRFGLOBAL/OBJ=OBJ\$:CRFGLOBAL MSRC\$:CRFGLOBAL/UPDATE=(ENH\$:CRFGLOBAL)+LIB\$:CRF/LIB

