

CCCCCCCCCCCC	LLL	IIIIIIII	UUU	UUU	TTTTTTTTTTTTTTTT	LLL
CCCCCCCCCCCC	LLL	IIIIIIII	UUU	UUU	TTTTTTTTTTTTTTTT	LLL
CCCCCCCCCCCC	LLL	IIIIIIII	UUU	UUU	TTTTTTTTTTTTTTTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCC	LLL	III	UUU	UUU	TTT	LLL
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	IIIIIIII	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	TTTT	LLLLLLLLLLLLLLLL
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	IIIIIIII	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	TTTT	LLLLLLLLLLLLLLLL
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	IIIIIIII	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	TTTT	LLLLLLLLLLLLLLLL

```

RRRRRRRR      UU      UU      NN      NN      CCCCCCCC      VV      VV      TTTTTTTTTT      UU      UU      IIIIII      CCCCCCCC
RRRRRRRR      UU      UU      NN      NN      CCCCCCCC      VV      VV      TTTTTTTTTT      UU      UU      IIIIII      CCCCCCCC
RR      RR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RR      RR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RR      RR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RR      RR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RRRRRRRR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RRRRRRRR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RR      RR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RR      RR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RR      RR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RR      RR      UU      UU      NN      NN      CC      VV      VV      TT      UU      UU      II      CC
RR      RR      UUUUUUUUUU      NN      NN      CCCCCCCC      VV      VV      TT      UU      UU      IIIIII      CCCCCCCC
RR      RR      UUUUUUUUUU      NN      NN      CCCCCCCC      VV      VV      TT      UU      UU      IIIIII      CCCCCCCC

```

```

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      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```

RUNCVTUIC
Table of contents

- CONVERT UIC TO BINARY

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15-SEP-1984 23:41:49 VAX/VMS Macro V04-00

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DECLARATIONS
RUN_PARS - PARSE A STRING
UIC-PARSE ACTION ROUTINES

```
0000 1 .TITLE RUNCVTUIC - CONVERT UIC TO BINARY
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 :*****
0000 6 :*
0000 7 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27
0000 28 :++
0000 29 : FACILITY: RUN-DETACHED CLI UTILITY
0000 30
0000 31 : ABSTRACT:
0000 32
0000 33 : THIS MODULE CONVERTS A UIC TO BINARY GROUP AND MEMBER CODES.
0000 34
0000 35 : ENVIRONMENT: USER MODE
0000 36
0000 37 : AUTHOR: C. A. MONIA , CREATION DATE: 15-AUG-1977
0000 38
0000 39 : MODIFIED BY:
0000 40
0000 41 : V03-001 LMP0139 L. Mark Pilant, 18-Aug-1983 12:06
0000 42 : Add support for alphanumeric UICs.
0000 43
0000 44 :--
```

```

0000 46          .SBTTL  DECLARATIONS
0000 47
0000 48  :
0000 49  : MACROS:
0000 50  :
0000 51  : BUILD DISPATCH TABLE FOR CASE INSTRUCTION
0000 52  :
0000 53
0000 54          .MACRO  CASE, SRC, DISPLIST, TYPE=W, BASE=#0, NMODE=S^#, ?START, ?MAX
0000 55          CASE' TYPE          SRC, BASE, NMODE' <<MAX-START>/2>-1
0000 56  START:
0000 57          .IRP    EP, <DISPLIST>
0000 58          .WORD   EP-START
0000 59          .ENDR
0000 60  MAX:
0000 61          .ENDM
0000 62
0000 63  :
0000 64  : DEFINE STATE TABLE ENTRY
0000 65  :
0000 66
0000 67          .MACRO  STATE  NAME
0000 68          .SAVE
0000 69          .PSECT  TRANTBL, RD, NOWRT
0000 70  $$T=.
0000 71          .PSECT  STATETBL, RD, NOWRT
0000 72          .IF  NB  <NAME>
0000 73  NAME:
0000 74          .ENDC
0000 75  $$$=.
0000 76          .WORD   $$T-TRSIZE
0000 77          .RESTORE
0000 78          .ENDM
0000 79
0000 80  :
0000 81  : DEFINE TRANSITION TABLE ENTRY
0000 82  :
0000 83
0000 84          .MACRO  TRAN, TOKEN, ACTION, NEXTSTATE
0000 85          .SAVE
0000 86          .PSECT  TRANTBL, RD, NOWRT
0000 87          .IF  B   TOKEN
0000 88          .BYTE   -1
0000 89          .RESTORE
0000 90          .MEXIT
0000 91          .IFF
0000 92          .BYTE   TOKEN
0000 93          .ENDC
0000 94          .IF  NB  <ACTION>
0000 95          .WORD   ACTION
0000 96          .IFF
0000 97          .WORD   0
0000 98          .ENDC
0000 99          .IF  NB  <NEXTSTATE>
0000 100         .IF  IDN  $END, <NEXTSTATE>
0000 101         .WORD   0
0000 102         .IFF

```

```

0000 103 .WORD NEXTSTATE
0000 104 .ENDC
0000 105 .IFF
0000 106 .WORD $$$+2
0000 107 .ENDC
0000 108 .RESTORE
0000 109 .ENDM
0000 110
0000 111 :
0000 112 : DEFINE DATA STRUCTURE
0000 113 :
0000 114
0000 115 .MACRO $DSECT
0000 116 .PSECT $ABS$,ABS
0000 117 .ENDM
0000 118
0000 119 :
0000 120 : EQUATED SYMBOLS:
0000 121 :
0000 122 : DEFINE TOKEN VALUES
0000 123 :
0000 124
0000000E 0000 125 CHR$K_EOL=14 : END OF LINE
0000000D 0000 126 CHR$K_PERCE=13 : PERCENT SIGN
0000 127
0000 128 :
0000 129 : DEFINE ARGUMENT LIST OFFSETS
0000 130 :
0000 131
0000 132 $DSECT
0000 133
00000000 0000 134 $$$=.
0000 135
00000004 0000 136 .BLKL 1
0000C008 0004 137 STRNG: .BLKL 1 : ADDRESS OF STRING DESCRIPTOR
0000000C 0008 138 VALUE: .BLKL 1 : ADDRESS TO RECEIVE VALUE
0000C 139
0000C 140 :
0000C 141 : DEFINE TRANSITION TABLE OFFSETS
0000C 142 :
00000000 0000C 143 .=$$$
0000 144
00000001 0000 145 TOKEN: .BLKB 1 : VALUE OF TOKEN
00000003 0001 146 ACTION: .BLKW 1 : ADDRESS OF ACTION ROUTINE
00000005 0003 147 NEXTSTATE: .BLKW 1 : NEXT STATE
0005 148 TRSIZE: : SIZE OF TRANSITION TABLE ENTRY
0005 149
0005 150 :
0005 151 : OWN STORAGE:
0005 152 :
0005 153 : STATE TABLE AND TRANSITION LIST FOR UIC STRING
0005 154 :
0005 155
0005 156 STATE BEGIN :
0005 157 TRAN CHR$K_LBRAKT,LBRCKT : LEFT BRACKET
0005 158 TRAN :
0005 159 STATE A1 :

```

```

0005 160 TRAN CHR$K_ALPHA,ALPHAN,A1 : ALPHABETIC
0005 161 TRAN CHR$K_NUMERIC,ALPHAN,A1 : NUMERIC
0005 162 TRAN CHR$K_DOT,ALPHAN,A1 : DECIMAL POINT
0005 163 TRAN CHR$K_PERCE,ALPHAN,A1 : PERCENT SIGN
0005 164 TRAN CHR$K_COMMA,COMMA : COMMA
0005 165 TRAN CHR$K_RBRAKT,,A3 :
0005 166 TRAN :
0005 167 STATE A2 :
0005 168 TRAN CHR$K_ALPHA,ALPHAN,A2 : ALPHABETIC
0005 169 TRAN CHR$K_NUMERIC,ALPHAN,A2 : NUMERIC
0005 170 TRAN CHR$K_DOT,ALPHAN,A2 : DECIMAL POINT
0005 171 TRAN CHR$K_PERCE,ALPHAN,A2 : PERCENT SIGN
0005 172 TRAN CHR$K_RBRAKT :
0005 173 TRAN :
0005 174 STATE A3 :
0005 175 TRAN CHR$K_EOL,,SEND : TERMINATE ON END OF LINE
0005 176 TRAN :
0005 177 :
00000000 178 .PSECT RUN_CVTUIC_DAT RD,WRT,BYTE
0000 179
00000008 0000 180 GROUP: .BLKL 2 : STRING DESCRIPTOR FOR GROUP
0000000C 0008 181 GRPNUM: .BLKL 1 : GROUP NUMBER
00000014 000C 182 OWNER: .BLKL 2 : STRING DESCRIPTOR FOR OWNER
00000018 0014 183 OWNNUM: .BLKL 1 : OWNER NUMBER
0000001C 0018 184 STRNGAD: .BLKL 1 : ADDRESS OF CURRENT STRING DESCRIPTOR
00000020 001C 185 UIC: .BLKL 1 : UIC ADDRESS
0020 186
0020 187 :+
0020 188 : RUN_CVTUIC - CONVERT UIC TO BINARY
0020 189 :
0020 190 : THIS PROCEDURE IS CALLED TO PARSE A UIC SPECIFICATION AND CONVERT THE
0020 191 : GROUP AND OWNER STRINGS TO BINARY.
0020 192 :
0020 193 : INPUTS:
0020 194 :
0020 195 : AP POINTS TO AN ARGUMENT LIST IN THE FOLLOWING FORMAT
0020 196 :
0020 197 : .LONG 2 : COUNT
0020 198 : .LONG STRNG : ADDRESS OF UIC STRING DESCRIPTOR
0020 199 : .LONG UIC : ADDRESS OF LONGWORD TO RECEIVE UIC
0020 200 :
0020 201 : OUTPUTS:
0020 202 :
0020 203 : RO LBS = UIC SUCCESSFULLY CONVERTED
0020 204 :
0020 205 : RO LBC = SYNTAX ERROR IN UIC SPECIFICATION
0020 206 :
0020 207 :-
0020 208 :
00000000 209 .PSECT RUN_CVTUIC NOWRT
0000 210
0000 211 RUN_CVTUIC::
0000 212 .WORD *M<R1,R2,R3,R4,R5,R6,R7> : SAVE R1 - R7
00FE 0000 213 .CLRQ W*GROUP : RESET STRING DESCRIPTOR FOR GROUP
0000'CF 7C 0002 214 .CLRQ W*OWNER : RESET STRING DESCRIPTOR FOR OWNER
000C'CF 7C 0006 215 .MOVQ @STRNG(AP),R5 : GET GET STRING DESCRIPTOR IN R5, R6
55 04 BC 7D 000A 216 .MOVAB W*BEGIN,R7 : POINT TO START OF STATETABLES
57 0000'CF 9E 000E

```

51	00A1	30	0013	217	BSBW	RUN PARS	:	PARSE STRING
	1C 50	E9	0016	218	BLBC	R0,T0\$:	IF LBC SYNTAX ERROR
	000C'CF	9E	0019	219	MOVAB	W^OWNER,R1	:	GET OWNER STRING ADDRESS
	61	B5	001E	220	TSTW	(R1)	:	ANY OWNER STRING?
	38	13	0020	221	BEQL	40\$:	NO, ASSUME ALPHA UIC
	55	D4	0022	222	CLRL	R5	:	YES, CLEAR WORD INDEX
	10	10	0024	223	BSBB	20\$:	CONVERT GROUP TO NUMERIC
	31 50	E9	0026	224	BLBC	R0,40\$:	TRY FOR ALPHA UIC CONVERSION
51	0000'CF	9E	0029	225	MOVAB	W^GROUP,R1	:	GET ADDRESS OF GROUP STRING
	55	D6	002E	226	INCL	R5	:	INCREMENT WORD INDEX
	04	10	0030	227	BSBB	20\$:	CONVERT OWNER TO NUMERIC
	25 50	E9	0032	228	BLBC	R0,40\$:	TRY FOR ALPHA UIC CONVERSION
			0035	229				
		04	0035	230	RET		:	
			0036	231				
			0036	232			:	
			0036	233			:	CONVERT GROUP OR OWNER TO BINARY
			0036	234			:	
			0036	235			:	
			0036	236			:	
7E	001C'CF	9E	0036	237	MOVAB	W^UIC,-(SP)	:	PUSH ADDRESS TO RECEIVE VALUE
	52 6E	D0	003B	238	MOVL	(SP),R2	:	COPY ADDRESS
	7E 51	D0	003E	239	MOVL	R1,-(SP)	:	PUSH ADDRESS OF STRING DESCRIPTOR
00000000'EF	02	FB	0041	240	CALLS	#2,LIB\$CVT_OCTBIN	:	CONVERT TO BINARY
	0E 50	E9	0048	241	BLBC	R0,30\$:	IF LBC ERROR
	50	D4	004B	242	CLRL	R0	:	ASSUME VALUE TOO LARGE
	02 A2	B5	004D	243	TSTW	2(R2)	:	VALUE OK?
	07	12	0050	244	BNEQ	30\$:	IF NEQ NO
08 BC45	62	B0	0052	245	MOVW	(R2),@VALUE(AP)[R5]	:	RETURN VALUE
	50	D6	0057	246	INCL	R0	:	SET SUCCESS
			0059	247			:	
		05	0059	248	RSB		:	
			005A	249			:	
			005A	250			:	
			005A	251			:	SINCE THE OCTAL CONVERSION FAILED, TRY TO CONVERT AS AN ALPHANUMERIC UIC
			005A	252			:	
			005A	253			:	
	7E	D4	005A	254	CLRL	-(SP)	:	TRY FOR GROUP TRANSLATION
00000008'EF	9F	005C	255	PUSHAB	GRPNUM		:	
00000000'EF	9F	0062	256	PUSHAB	GROUP		:	
00000000'EF	03	FB	0068	257	CALLS	#3,SYSSASCTOID	:	
	44 50	E9	006F	258	BLBC	R0,70\$:	XFER IF IN ERROR, ALL ATTEMPTS FAILED
0000000C'EF	B5	0072	259	TSTW	OWNER		:	ANY OWNER FIELD TO TRANSLATE?
	0A	12	0078	260	BNEQ	50\$:	XFER IF NOT
08 BC	00000008'EF	D0	007A	261	MOVL	GRPNUM,@VALUE(AP)	:	ELSE GROUP IS REALLY FULL UIC
	2F	11	0082	262	BRB	60\$:	GO FINISH UP
	7E	D4	0084	263	CLRL	-(SP)	:	TRY FOR OWNER TRANSLATION
	00000014'EF	9F	0086	264	PUSHAB	OWNNUM	:	
	0000000C'EF	9F	008C	265	PUSHAB	OWNER	:	
00000000'EF	03	FB	0092	266	CALLS	#3,SYSSASCTOID	:	
	1A 50	E9	0099	267	BLBC	R0,70\$:	XFER IF IN ERROR, ALL ATTEMPTS FAILED
	50	D4	009C	268	CLRL	R0	:	ASSUME GROUPS DON'T MATCH
00000016'EF	0000000A'EF	B1	009E	269	CMPW	GRPNUM+2,OWNNUM+2	:	DO THEY REALLY?
	0B	12	00A9	270	BNEQ	70\$:	XFER IF NOT, TIS IN ERROR
08 BC	00000014'EF	D0	00AB	271	MOVL	OWNNUM,@VALUE(AP)	:	ELSE RETURN THE CONVERTED UIC
	50 01	D0	00B3	272	MOVL	#1,R0	:	NOTE SUCCESS
		04	00B6	273	RET		:	RETURN TO CALLER WITH STATUS

```

00B7 275      .SBTTL RUN_PARS - PARSE A STRING
00B7 276
00B7 277      :
00B7 278      : RUN_PARS - PARSE A STRING
00B7 279      :
00B7 280      : THIS ROUTINE IS ENTERED VIA A BSB OR JSB TO PERFORM TABLE DRIVEN PARSING.
00B7 281      : IT REQUIRES A SET OF STATE AND CORRESPONDING TRANSITION TABLES THAT DEFINE
00B7 282      : THE SYNTAX OF THE STRING TO BE PARSED.
00B7 283      :
00B7 284      : THE SET OF TOKENS RECOGNIZED IS LIMITED TO THE FOLLOWING:
00B7 285
00B7 286      :     ALPHABETIC
00B7 287      :     NUMERIC
00B7 288      :     DOT (.)
00B7 289      :     SLASH (/)
00B7 290      :     SEMICOLON (;)
00B7 291      :     LEFT BRACKET ([)
00B7 292      :     RIGHT BRACKET (])
00B7 293      :     COLON (:)
00B7 294      :     BLANK
00B7 295      :     DOLLAR SIGN ($)
00B7 296      :     UNDERSCORE (_)
00B7 297      :     PERCENT (%)
00B7 298      :     END-OF-STRING
00B7 299
00B7 300
00B7 301      : INPUTS:
00B7 302
00B7 303      :     R5, R6 = STRING DESCRIPTOR
00B7 304      :     R7 = ADDRESS OF STATE TABLES
00B7 305
00B7 306      : OUTPUTS:
00B7 307
00B7 308      :     R0 LBS = STRING IS SYNTACTICALLY CORRECT
00B7 309
00B7 310      :     R0 LBC = SYNTAX ERROR
00B7 311
00B7 312      :     R5 = COUNT OF REMAINING UNPROCESSED CHARACTERS
00B7 313      :     R6 = ADDRESS OF CHARACTER IN ERROR
00B7 314
00B7 315      : -
00B7 316
00B7 317 RUN_PARS::
55   B6 00B7 318      INCL   R5
56   D7 00B9 319      DECL   R6
20$:
57   67 3C 00BB 320      MOVZWL (R7),R7
50   0E 00 00BE 321      MOVL  #CHR$K_EOL,R0
55   B7 00C1 322      DECW  R5
00   13 00C3 323      BEQL  30$
56   D6 00C5 324      INCL  R6
50   0D 00 00C7 325      MOVL  #CHR$K_PERCE,R0
25   66 91 00CA 326      CMPB  (R6),#A/Z/
03   13 00CD 327      BEQL  30$
FF2E' 30 00CF 328      BSBW  CHR$TSTCHR
00D2 329
57   05 A0 00D2 330      ADDW  #TRSIZE,R7
00D2 331
:
: BIAS STRING COUNT
: BIAS STRING POINTER
: POINT TO TRANSITION TABLE FOR STATE
: ASSUME END OF STRING
: AT END?
: IF EQL YES
: INCREMENT STRING POINTER
: ASSUME PERCENT SIGN
: PERCENT SIGN?
: IF EQL YES
: DETERMINE CHARACTER TYPE
: POINT TO NEXT TABLE ENTRY

```

	67	95	00D5	332	TSTB	TOKEN(R7)	:	AT END OF TRANSITION TABLE?
	18	19	00D7	333	BLSS	ILLCHR	:	IF LSS YES, ILLEGAL
67	50	91	00D9	334	CMPB	R0,TOKEN(R7)	:	TEST INPUT
	F4	12	00DC	335	BNEQ	30\$:	IF NEQ, GO TO NEXT TRANSITION
50	01	A7	3C	00DE	MOVZWL	ACTION(R7),R0	:	GET ADDRESS OF ACTION ROUTINE
	02	13	00E2	337	BEQL	40\$:	IF EQL NONE
	60	16	00E4	338	JSB	(R0)	:	CALL ACTION ROUTINE
			00E6	339	40\$:		:	
57	03	A7	3C	00E6	MOVZWL	NEXTSTATE(R7),R7	:	GET OFFSET TO NEXT STATE
	CF	12	00EA	341	BNEQ	20\$:	IF NEQ HAVE NEXT STATE
50	01	D0	00EC	342	MOVL	#1,R0	:	SET SUCCESS
	02	11	00EF	343	BRB	EXIT	:	EXIT
			00F1	344			:	
			00F1	345			:	
			00F1	346	:	ILLEGAL CHARACTER	:	
			00F1	347	:		:	
			00F1	348	:		:	
			00F1	349	ILLCHR:		:	
50	D4		00F1	350	CLRL	R0	:	SET FAILURE
			00F3	351	EXIT:		:	
	05		00F3	352	RSB		:	

```
00F4 354 .SBTTL UIC PARSE ACTION ROUTINES
00F4 355
00F4 356 :
00F4 357 : ACCUMULATE AN ALPHANUMERIC STRING
00F4 358 :
00F4 359 :
00F4 360 ALPHAN: :
00F4 361 DOT: :
0018'DF D6 00F4 362 INCL @W^STRNGAD : INCREMENT STRING COUNT
05 00F8 363 RSB :
00F9 364 :
00F9 365 : COMMA
00F9 366 :
00F9 367 :
00F9 368 :
0018'CF 000C'CF 9E 00F9 369 COMMA: :
0010'CF 01 A6 9E 00F9 370 MOVAB W^OWNER,W^STRNGAD : BEGIN OWNER STRING DESCRIPTOR
05 0100 371 MOVAB 1(R6),W^OWNER+4 : POINT TO START OF STRING
0106 372 RSB : RETURN
0107 373 :
0107 374 :
0107 375 : LEFT BRACKET
0107 376 :
0107 377 :
0018'CF 0000'CF 9E 0107 378 LBRCKT: :
0004'CF 01 A6 9E 0107 379 MOVAB W^GROUP,W^STRNGAD : POINT TO GROUP STRING DESCRIPTOR
05 010E 380 MOVAB 1(R6),W^GROUP+4 : POINT TO START OF STRING
0114 381 RSB :
0115 382 :
0115 383 .END
```

RUNCVTUIC
Symbol table

- CONVERT UIC TO BINARY

I 12

\$\$\$	=	00000000		
\$\$\$	=	00000006	R	03
\$\$T	=	0000003F	R R	02
A1		00000002	R R	03
A2		00000004	R R	03
A3		00000006	R	03
ACTION		00000001		
ALPHAN		000000F4	R	05
BEGIN		00000000	R	03
CHR\$K_ALPHA		*****	X	02
CHR\$K_COMMA		*****	X	02
CHR\$K_DOT		*****	X	02
CHR\$K_EOL	=	0000000E		
CHR\$K_LBRAKT		*****	X	02
CHR\$K_NUMERIC		*****	X	02
CHR\$K_PERCE	=	0000000D		
CHR\$K_RBRAKT		*****	X	02
CHR\$T\$CHR		*****	X	05
COMMA		000000F9	R	05
DOT		000000F4	R	05
EXIT		000000F3	R	05
GROUP		00000000	R	04
GRPNUM		00000008	R	04
ILLCHR		000000F1	R	05
LBRCKT		00000107	R	05
LIB\$CVT OCTBIN		*****	X	05
NEXTSTATE		00000003		
OWNER		0000000C	R	04
OWNNUM		00000014	R	04
RUN_CVTUIC		00000000	RG	05
RUN_PARS		000000B7	RG	05
STRNG		00000004		
STRNGAD		00000018	R	04
SY\$ASCTOID		*****	X	05
TOKEN		00000000		
TRSIZE		00000005		
UIC		0000001C	R	04
VALUE		00000008		

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$AB\$\$	0000000C (12.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
TRANTBL	00000045 (69.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE
STATETBL	00000008 (8.)	03 (3.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE
RUN_CVTUIC_DAT	00000020 (32.)	04 (4.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE
RUN_CVTUIC	00000115 (277.)	05 (5.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	10	00:00:00.07	00:00:00.71
Command processing	83	00:00:00.91	00:00:04.77
Pass 1	97	00:00:01.56	00:00:07.06
Symbol table sort	0	00:00:00.02	00:00:00.02
Pass 2	77	00:00:00.85	00:00:03.42
Symbol table output	4	00:00:00.05	00:00:00.47
Psect synopsis output	2	00:00:00.03	00:00:00.05
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	275	00:00:03.49	00:00:16.50

The working set limit was 900 pages.
8279 bytes (17 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 38 non-local and 10 local symbols.
383 source lines were read in Pass 1, producing 18 object records in Pass 2.
4 pages of virtual memory were used to define 4 macros.

! Macro library statistics !

Macro library name	Macros defined
-\$255\$DUA28:[CLIUTL.OBJ]CLIUTL.MLB;1	0
-\$255\$DUA28:[SYS.OBJ]LIB.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\$:RUNCVTUIC/OBJ=OBJ\$:RUNCVTUIC MSRC\$:RUNCVTUIC/UPDATE=(ENH\$:RUNCVTUIC)+EXECMLS/LIB+LIB\$:CLIUTL/LIB

