

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976

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\*\*\*\*\*  
\*\*\* PREREQUISITES \*\*\*  
NONE  
\*\*\* MODIFICATIONS \*\*\*  
NONE  
\*\*\* REA'S INCORPORATED \*\*\*  
NONE  
\*\*\* SPECIAL INSTRUCTIONS \*\*\*  
NONE  
\*\*\* E. C. HISTORY \*\*\*  
DATE 08AUG78 DATE DATE DATE  
E.C. 755404 E.C. E.C. E.C.  
\*\*\*\*\*  
O38F7 START X'1D70'  
ACCA START STOP OVERLAY  
ACCA MW R7 OLIRA SAVE OVERLAY RETURN ADDRESS  
AC002  
\*\*\*\*\*  
EQUATED NAMES FOR SUPPORTED SVC'S  
\*\*\*\*\*  
OUT EQU 0 OUT SVC  
OUTIN EQU 1 OUTIN SVC  
IDLE EQU 2 IDLE SVC  
ASCII EQU 3 HEX TO ASCII SVC (EVEN PARITY)  
CHNGE EQU 4 CHANGE LEVEL SVC  
PGMCK EQU 5 ALLOW RETURN ON PROGRAM CHECK SVC  
EXIT EQU 6 EXIT SVC  
TERM EQU 7 TERMINATE SVC  
RESET EQU 8 RESET DEVICE SVC  
RID EQU 9 READ ID SVC  
START EQU 10 START CYCLE STEAL SVC  
STCSS EQU 11 START CYCLE STEAL STATUS SVC  
PREP EQU 12 PREPARE DEVICE SVC  
READ0 EQU 13 READ WITH FUNCTION BIT 3 OFF SVC  
READ1 EQU 14 READ WITH FUNCTION BIT 3 ON SVC  
RSTAT EQU 15 READ STATUS SVC  
WRITE EQU 16 WRITE WITH FUNCTION BIT 3 OFF SVC  
WRITE1 EQU 17 WRITE WITH FUNCTION BIT 3 ON SVC  
CTRL EQU 18 CONTROL SVC  
RIJL EQU 19 RELEASE INTERRUPT CONTROL BLOCK SVC  
CICB EQU 20 CONNECT INTERRUPT CONTROL BLOCK SVC  
HIO EQU 21 HALT ALL I/O  
REQSD EQU 22 REQUEST USE OF DCP DISK SVC  
RELSD EQU 23 RELEASE USE OF DCP DISK SVC  
HALT EQU 24 HALT SVC  
ETOH EQU 25 EBCDIC TO HEX SVC (STRING)  
HTOH EQU 26 HEX TO EBCDIC SVC (STRING)  
ATOH EQU 27 ASCII TO HEX SVC (STRING)  
HTOA EQU 28 HEX TO ASCII SVC (STRING)  
ETOA EQU 29 EBCDIC TO ASCII SVC (STRING)  
ATOA EQU 30 ASCII TO EBCDIC SVC (STRING)  
READI EQU 31 READ DATA SERVS FOR MDL/UTIL  
WRITEI EQU 32 WRITE DATA SERVS FOR UTIL  
\*\*\*\*\*  
S/S SL#1610  
\*\*\*\*\*  
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15\*  
\*\*\*\*\*  
\*8100 DA E8 00 10 00 00 00 46 00 82 00 00 00 00 10 0E\* L D  
\*8101 DA E8 00 18 00 00 00 46 00 C2 00 00 00 00 10 0E\* L D R  
\*8102 DA E8 00 00 00 00 00 46 00 02 00 00 00 00 10 0E\* L D R  
\*8103 DA E8 00 08 00 00 00 46 00 02 00 00 00 00 10 0E\* L R  
\*8104 DA E8 00 00 00 00 00 46 80 02 00 00 00 00 10 0E\* L C R  
\*8105 DA E8 00 08 00 00 00 46 80 42 00 00 00 00 10 0E\* L C R  
\*8106 DA E8 00 04 00 00 00 46 00 82 00 00 00 00 10 0E\* L D  
\*8107 DA E8 00 0C 00 00 00 46 00 C2 00 00 00 00 10 0E\* L D R  
\*8108 DA E8 00 04 00 00 00 46 80 82 00 00 00 00 10 0E\* L D C R  
\*8109 DA E8 00 0C 00 00 00 46 80 C2 00 00 00 00 10 0E\* L D C R  
\*8110 DA E8 00 10 00 00 00 3F 00 86 00 00 00 00 10 0E\* M D  
\*8111 DA E8 00 18 00 00 00 3F 00 C6 00 00 00 00 10 0E\* M D R  
\*8112 DA E8 00 00 00 00 00 3F 00 06 00 00 00 00 10 0E\* M  
\*8113 DA E8 00 08 00 00 00 3F 00 46 00 00 00 00 10 0E\* M R  
\*8114 DA E8 00 00 00 00 00 3F 80 06 00 00 00 00 10 0E\* M C R  
\*8115 DA E8 00 08 00 00 00 3F 80 46 00 00 00 00 10 0E\* M C R  
\*8116 DA E8 00 04 00 00 00 3F 00 86 00 00 00 00 10 0E\* M D  
\*8117 DA E8 00 0C 00 00 00 3F 00 C6 00 00 00 00 10 0E\* M D R  
\*8118 DA E8 00 04 00 00 00 3F 80 86 00 00 00 00 10 0E\* M D C R  
\*8119 DA E8 00 0C 00 00 00 3F 80 C6 00 00 00 00 10 0E\* M D C R  
\*\*\*\*\*  
JUMPERS LEGEND: CARRIER DETECT=C  
DATA TERMINAL READY=D  
LOW SPEED=L  
MED SPEED=M  
REQUEST TO SEND=R  
\*\*\*\*\*  
START/STOP MULTILINE FEAT 2091/2092  
0001 0203 0405 0607 0809 1011 1213 1415 JUMPERS  
\*\*\*\*\*  
\*820Y DAE9 4010 0X00 0046 0082 0000 0000 2X0E\* L D  
\*821Y DAE9 4018 0X00 0046 00C2 0000 0000 2X0E\* L D R  
\*822Y DAE9 4000 0X00 0046 0002 0000 0000 2X0E\* L

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120 *823Y DAE9 4008 0X00 0046 0042 0000 0000 2X0E* L R
121 *824Y DAE9 4000 0X00 0046 8002 0000 0000 2X0E* L C R
122 *825Y DAE9 4008 0X00 0046 8042 0000 0000 2X0E* L D R
123 *826Y DAE9 4004 0X00 0046 0082 0000 0000 2X0E* L D R
124 *827Y DAE9 400C 0X00 0046 00C2 0000 0000 2X0E* L D R
125 *828Y DAE9 4004 0X00 0046 8082 0000 0000 2X0E* L D C R
126 *829Y DAE9 400C 0X00 0046 80C2 0000 0000 2X0E* L C D R
127 *830Y DAE9 4010 0X00 003F 0086 0000 0000 2X0E* M D
128 *831Y DAE9 4018 0X00 003F 00C6 0000 0000 2X0E* M D R
129 *832Y DAE9 4000 0X00 003F 0006 0000 0000 2X0E* M
130 *833Y DAE9 4008 0X00 003F 0046 0000 0000 2X0E* M R
131 *834Y DAE9 4000 0X00 003F 8006 0000 0000 2X0E* M C R
132 *835Y DAE9 4008 0X00 003F 8046 0000 0000 2X0E* M C R
133 *836Y DAE9 4004 0X00 003F 0086 0000 0000 2X0E* M D
134 *837Y 400C 400C 0X00 003F 00C6 0000 0000 2X0E* M D R
135 *838Y 4004 4004 0X00 003F 8086 0000 0000 2X0E* M C D
136 *839Y 400C 400C 0X00 003F 80C6 0000 0000 2X0E* M C D R
137 *JUMPERS: L=LOW SPEED BYTE 04=# OF ADDRESSES IN CONTR.
M=MED SPEED # LINES = 8 = 0
C=CARRIER DETECT 2 = 1
D=DTR 4 = 2
R=RTS 6 = 3
Y=DON'T CARE=WHAT CONTROLLER # FEATURE IS ATTACHED TO.
*****
* MISC.BITS: X= NO. OF LINES BYTE 02=40 FOR CHAIN (ALL ENTRIES BUT LAST)
*****
OLYRA DC X'0000' OVERLAY RETURN ADDRESS
CTABU DC X'3002' @ NUMBER OF ENTRIES USED
CTAIE DC X'3010' @ 1ST REAL ENTRY
ENTNO DC X'0000' ENTRY #
PTEN DC X'00'
PTDA DC X'00'
PTDT DC X'00'
ALIGN WORD
PTRID DC X'0000'
MSK01 DC X'000F'
TEST1 DC X'8100'
TEST2 DC X'8110'
BYT00 DC X'00'
BYT02 DC X'02'
BYT04 DC X'04'
BYT06 DC X'06'
BYT08 DC X'08'
BYT0C DC X'0C'
BYT10 DC X'10'
BYT18 DC X'18'
BYT3F DC X'3F'
BYT42 DC X'42'
BYT46 DC X'46'
BYT80 DC X'80'
BYT82 DC X'82'
BYT86 DC X'86'
BYTC2 DC X'C2'
BYTC6 DC X'C6'
*****
CONTROL BLOCK OUTPUT
ALIGN WORD
DC X'0080'
ACSL1 EC A (ACSL2)
DC A (-1)
* OUTPUT
DC X'384C'
ACSL2 DC C'ACCA SL'
DC X'00'
*****
CONTROL BLOCK OUTPUT
ALIGN WORD
DC X'0080'
ACML1 DC A (ACML2)
DC A (-1)
* OUTPUT
DC X'384C'
ACML2 DC C'ACCA ML'
DC X'00'
*****
CONTROL BLOCK OUTPUT
ALIGN WORD
DC X'0080'
ACEN1 DC A (ACEN2)
DC A (-1)
* OUTPUT
DC X'384C'
ACEN2 DC C'EN DA DT RID'
DC X'00'
*****
CONTROL BLOCK HTOE
ALIGN WORD
DC X'0001'
ACHT1 DC A (PTEN)
DC A (ACEN6)
*****
CONTROL BLOCK HTOE
ALIGN WORD
DC X'0001'
ACHT2 DC A (PTDA)
DC A (ACEN7)
*****
CONTROL BLOCK HTOE
ALIGN WORD
DC X'0001'
ACHT3 DC A (PTDT)
DC A (ACEN8)
*****
CONTROL BLOCK HTOE
ALIGN WORD
DC X'0002'
ACHT4 DC A (PTRID)
DC A (ACEN9)
*****
CONTROL BLOCK OUTPUT
ALIGN WORD
DC X'0080'
ACEN5 DC A (ACEN6)
DC A (-1)
* OUTPUT
DC X'384C'
ACEN6 DC C' '
EN

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001DF4 40 235 DC C' '
001DF5 4040 236 ACEN7 DC C' ' DA
001DF7 40 237 DC C' '
001DF8 4040 238 ACEN8 DC C' ' DT
001DFA 40 239 DC C' '
001DFB 40404040 240 ACEN9 DC C' ' RID
001DFP 00 241 DC X'00'
242 *
243 * CONTROL BLOCK OUTIN
244 * ALIGN WORD
001E00 0080 245 DC X'0080'
001E02 1E0C 246 ACFC1 DC A(ACFC2) OUTPUT
001E04 1E1A 247 DC A(ACFC3) INPUT
001E06 0002 248 DC A(2) LENGTH OF INPUT
001E08 0001 249 DC A(1) CONVERT TO HEX
250 *
001E0A 3853 251 ACFC4 DC X'3853' MESSAGE NUMBER 3853 OR 3854
001E0C E2D7C5C3C9C6E840C 252 ACFC2 DC C'SPECIFY CODE' OUTPUT
001E18 00 253 DC X'00'
001E19 00 254 * ALIGN WORD
255 * INPUT
001E1A 0000 256 ACFC3 DC X'0000' INPUT
001E1C 00 257 DC X'00'
258 *
259 * CONTROL BLOCK OUTPUT
001E1D 00 260 * ALIGN WORD
001E1E 00C0 261 DC X'00C0'
001E20 1E26 262 ACUN1 DC A(ACUN2)
001E22 FFFF 263 DC A(-1)
264 *
001E24 3858 265 DC X'3858'
001E26 C5D9D9D6D960E4D5D 266 ACUN2 DC C'ERROR-UNKNOWN SPECIFY CODE'
001E40 00 267 DC X'00'
268 *****
269 *****
270 *
271 * START ACCA SL PROCESSING
272 *****
001E42 4020 1D7E 0001 273 AC002 MVW 1,ENTNO 1ST ENTRY # FOR SEARCH
001E48 6C08 1D7E 274 AC004 MVW ENTNO,R4 ENTRY # TO START SEARCH AT
001E4C 4324 00E8 275 MVW X'00E8',R3 DEVICE TYPE TO SEARCH FOR
001E50 6F03 2380 276 BAL DTYP5,R7 GO SEARCH FOR ACCA SL ENTRY
001E54 73A4 277 MVW R3,R5
001E56 6800 2000 278 BZ AC080 RETURN BASIC-NO MORE ACCA SL IN TABLE
279 *
280 * FOUND AN ACCA SL DEVICE IN TABLE. R1 = ENTRY #
281 * AC010 MVW R1,ENTNO ENTRY # OF THIS DEVICE
282 MVA ACSL1,R7
283 SVC OUT
284 MVW X'3853',R6 PRINT 'ACCA SL'
285 BAL PTINF,R7 SET OUTIN MESSAGE #
286 * GO PRINT 'EN DA DT RID'
287 * PRINT 'AA BB CC DDD'
288 * PRINT 'FEATURE CODE ????'
289 MVW ACFC3,R7 R7 = FEATURE CODE
290 RBTW MSK01,R7 J. NO FEATURE CODE ENTERED, CK NXT ENT
291 CW TEST1,R7 TEST1 = X'000F'
292 JE AC020 TEST1 = X'8100'
293 JE TEST2,R7 TEST2 = X'8110'
294 JE AC030
295 * UNKNOWN FEATURE CODE
001E84 4724 1E20 296 AC018 MVA ACUN1,R7
001E88 6000 297 OUT
001E8A 50DE 298 J AC004 PRINT 'UNKNOWN FEATURE CODE'
299 ***** REENTER
001E8C 80A8 1D96 0007 300 AC020 MVB BYT46,(R2,7) 135 BPS
001E92 5003 301 J AC035
001E94 80A8 1D94 0007 302 AC030 MVB BYT3F,(R2,7) 1200 BPS
001E9A 3481 303 AC035 SLL 16,R4 ZERO
001E9C 3581 304 SLL 16,R5 ZERO
001E9E 3681 305 SLL 16,R6 ZERO
001EA0 4724 1F0E 306 MVA SSSLT,R1
001EA4 4124 1E0C 307 CW SSSLT,R1
001EA8 890B 1E1A 308 AC040 CW (R1),ACFC3 CK FEATURE CODE TABLE
001EAC 6830 0002 309 BE (R1),* B TO PROCESS FEATURE CODE
001EB0 7921 0004 310 AWI 4,R1
001EB4 7725 311 CW 7,R1
001EB6 14F8 312 JLT AC040 CK NEXT ENTRY
313 * FEATURE CODE NOT FOUND IN FEATURE CODE TABLE
001EB8 80A8 1D8C 0007 314 MVB BYT00,(R2,7) RESET BPS
001EBE 50E2 315 J AC018 J PRINT 'UNKNOWN FEATURE CODE'
316 *****
317 * FEATURE CODE BRANCH TABLE FOR ACCA SL
001EC0 8100 318 DC X'8100'
001EC2 1F10 319 DC A(Y8100)
001EC4 8101 320 DC X'8101'
001EC6 1F1A 321 DC A(Y8101)
001EC8 8102 322 DC X'8102'
001ECA 1F24 323 DC A(Y8102)
001ECC 8103 324 DC X'8103'
001ECE 1F2A 325 DC A(Y8103)
001ED0 8104 326 DC X'8104'
001ED2 1F34 327 DC A(Y8104)
001ED4 8105 328 DC X'8105'
001ED6 1F3E 329 DC A(Y8105)
001ED8 8106 330 DC X'8106'
001EDA 1F4C 331 DC A(Y8106)
001EDC 8107 332 DC X'8107'
001EDE 1F56 333 DC A(Y8107)
001EE0 8108 334 DC X'8108'
001EE2 1F60 335 DC A(Y8108)
001EE4 8109 336 DC X'8109'
001EE6 1F6E 337 DC A(Y8109)
001EE8 8110 338 DC X'8110'
001EEA 1F7C 339 DC A(Y8110)
001EEC 8111 340 DC X'8111'
001EEE 1F86 341 DC A(Y8111)
001EF0 8112 342 DC X'8112'
001EF2 1F90 343 DC A(Y8112)
001EF4 8113 344 DC X'8113'
001EF6 1F96 345 DC A(Y8113)
001EF8 8114 346 DC X'8114'
001EFA 1FA0 347 DC A(Y8114)
001EFC 8115 348 DC X'8115'
001EFA 1FAA 349 DC A(Y8115)

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001F00 8116 350 DC X'8116'
001F02 1FB9 351 DC A(Y8116)
001F04 8117 352 DC X'8117'
001F06 1FC2 353 DC A(Y8117)
001F08 8118 354 DC X'8118'
001FOA 1FCC 355 DC A(Y8118)
001FOC 8119 356 DC X'8119'
001FOE 1FD6 357 SSSLE DC A(Y8119)
358 *****
359 * FEATURE CODE PROCESSING
001F10 C420 1D92 360 Y8100 MVB BYT10,R4
001F14 C620 1D98 361 MVB BYT82,R6
001F18 5062 362 J AC060
001F1A C420 1D93 363 Y8101 MVB BYT18,R4
001F1E C620 1D9A 364 MVB BYT62,R6
001F22 505D 365 J AC060
001F24 C620 1D8D 366 Y8102 MVB BYT02,R6
001F28 505A 367 J AC060
001F2A C420 1D90 368 Y8103 MVB BYT08,R4
001F2E C620 1D95 369 MVB BYT42,R6
001F32 5055 370 J AC060
001F34 C520 1D97 371 Y8104 MVB BYT80,R5
001F38 C620 1D8D 372 MVB BYT02,R6
001F3C 5050 373 J AC060
001F3E C420 1D90 374 Y8105 MVB BYT08,R4
001F42 C520 1D97 375 MVB BYT80,R5
001F46 C620 1D95 376 MVB BYT42,R6
001F4A 5049 377 J AC060
001F4C C420 1D8E 378 Y8106 MVB BYT04,R4
001F50 C620 1D98 379 MVB BYT82,R6
001F54 5044 380 J AC060
001F56 C420 1D91 381 Y8107 MVB BYT0C,R4
001F5A C620 1D9A 382 MVB BYTC2,R6
001F5E 503F 383 J AC060
001F60 C420 1D8E 384 Y8108 MVB BYT04,R4
001F64 C520 1D97 385 MVB BYT80,R5
001F68 C620 1D98 386 MVB BYT82,R6
001F6C 5038 387 J AC060
001F6E C420 1D91 388 Y8109 MVB BYT0C,R4
001F72 C520 1D97 389 MVB BYT80,R5
001F76 C620 1D9A 390 MVB BYTC2,R6
001F7A 5031 391 J AC060
001F7C C420 1D92 392 Y8110 MVB BYT10,R4
001F80 C620 1D99 393 MVB BYT86,R6
001F84 502C 394 J AC060
001F86 C420 1D93 395 Y8111 MVB BYT18,R4
001F8A C620 1D9B 396 MVB BYTC6,R6
001F8E 5027 397 J AC060
001F90 C620 1D8F 398 Y8112 MVB BYT06,R6
001F94 5024 399 J AC060
001F96 C420 1D90 400 Y8113 MVB BYT08,R4
001F9A C620 1D96 401 MVB BYT48,R6
001FA4 501F 402 J AC060
001FA8 C520 1D97 403 Y8114 MVB BYT80,R5
001FAA C620 1D8F 404 MVB BYT06,R6
001FAC 501A 405 J AC060
001FAE C420 1D90 406 Y8115 MVB BYT08,R4
001FB2 C520 1D97 407 MVB BYT80,R5
001FB6 C620 1D96 408 MVB BYT46,R6
001FB8 5013 409 J AC060
001FB8 C420 1D8E 410 Y8116 MVB BYT04,R4
001FBC C620 1D99 411 MVB BYT86,R6
001FC0 500E 412 J AC060
001FC2 C420 1D91 413 Y8117 MVB BYT0C,R4
001FC6 C620 1D9B 414 MVB BYTC6,R6
001FCA 5009 415 J AC060
001FCC C420 1D8E 416 Y8118 MVB BYT04,R4
001FD0 C620 1D99 417 MVB BYT86,R6
001FD4 5004 418 J AC060
001FD6 C420 1D91 419 Y8119 MVB BYT0C,R4
001FDA C620 1D9B 420 MVB BYTC6,R6
421 *****
001FDE C4A8 0003 422 AC060 MVB R4,(R2,3) FILL ENTRY
001FE2 C5A8 0008 423 MVB R5,(R2,8) FILL ENTRY
001FE6 C6A8 0009 424 MVB R6,(R2,9) FILL ENTRY
001FEA 4070 1D7E 425 AC070 AWI 1,ENTNO START SEARCH AT NEXT ENTRY
001FF0 4730 1D7A 426 MVB C'ENTNO',R7 CK # ENTRIES IN TABLE
001FF4 3741 427 SLL 8,R7
001FF6 3742 428 SRL 8,R7
001FF8 CF24 1D7E 429 CW ENTNO,R7
001FFC 6C01 1E48 430 BGE AC004 CK NEXT ENTRY
431 *
432 * END OF TABLE REACHED
002000 6802 207A 433 AC080 B AC500 RETURN FROM OVERLAY TO BASIC
434 *****
435 *****
436 * ACCA ML
437 *****
002004 0000 438 AC01ST DC X'0000' READ ID ACCA ML CONTROLLER
002006 0000 439 NOADD DC X'0000' # ADDRESSES
002008 0000 440 BRID DC X'0000' BASE READ ID
00200A 0010 441 CTELEL DC X'0010' TABLE ENTRY LENGTH = 16 BYTES
00200C 3000 442 CTABA DC X'3000' ADDRESS OF CONFIGURATION TABLE
00200E 00 443 CTMNE DC X'00' 255 = MAX # ENTRIES IN CONFIG TABLE
00200F FF 444 CTMNF DC X'FF' 255 BYTE 2
002010 00FF 445 MSK02 DC X'00FF'
002012 8200 446 TEST3 DC X'8200'
002014 8300 447 TEST4 DC X'8300'
002016 00 448 DEVAD DC X'00'
002017 00 449 DEVAD2 DC X'00'
002018 FF 450 BYT1F DC X'1F'
002019 B9 451 BYTE9 DC X'E9'
452 *****
453 *****
454 CTE04 EQU *
455 ENB00 DC C' ' DA
456 ENB01 DC C' ' DT
457 ENB02 DC '12C' ' 12 BYTES
458 ENB14 DC C' ' READ ID
459 *****
460 * CONTROL BLOCK OUTPUT
461 * ALIGN WORD
00202A 00C0 462 DC X'00C0'
00202C 2032 463 CTM8 DC A(CTM8A)
00202E FFFF 464 DC A(-1)

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465 \* OUTPUT MESSAGE
466 DC X'384A'
467 CTM8A DC C'CONFIGURATION TABLE IS FULL'
468 DC X'00'

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580 DC A(Y8270)
581 DC X'8280'
582 DC A(Y8280)
583 DC X'8290'
584 DC A(Y8290)
585 DC X'8300'

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00229E 6802 20C6 694 B AC520 GO DO NEXT ENTRY
695 \*\*\*\*\*
696 \* ADD A DUMMY ACCA ML ENTRY TO TABLE
697 \*\*\*\*\*
698 \* 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
699 \*\*\*\*\*
700 \* DA E9 40 1F 00 00 00 00 00 00 00 00 00 00 2X 0E
701 \* DA E9 00 1F 00 00 00 00 00 00 00 00 00 00 00 2X 0E
702 \*\*\*\*\*
0022A2 6F03 22BA 703 AC570 BAL CLEAR,R7 CLEAR CTE04 BUFFER
0022A6 4324 201A 704 MVA CTE04,R3 BUFFER
0022AA 80E0 2017 705 MVB DTAB2,R3
0022AE 80E8 2019 0001 706 MVB BYTE9,(R3,1) DT
0022B4 80E8 2018 0003 707 MVB BYTIF,(R3,3) FOR DUMMY
0022BA 88E8 2008 000E 708 MVW BRID,(R3,14) READ ID
709 \*\*\*\*\*
0022C0 402E 2006 0001 710 AC575 SWI 1,NOADD
0022C6 1001 711 JZ AC578 J NO MORE ENTRIES THIS ACCA ML
0022C8 4A61 712 TBTS (R2,33) SET CHAIN BIT
0022CA 6F03 22FC 713 AC578 BAL NEXTE,R7 ENTER THIS ENTRY IN TABLE ??R1R2R6??
0022CE 50D2 714 J AC565 GO LOOK AT NEXT ENTRY
715 \*\*\*\*\*
716 \* LOOK FOR NEXT ACCA ML
717 \*\*\*\*\*
0022D0 4029 1D7E 0001 718 AC580 ANI 1,ENTNO START SEARCH AT NEXT ENTRY
0022D6 C730 1D7A 719 MVB CTABU\*,R7 CK # ENTRIES IN TABLE
0022DA 3741 720 SLL 8,R7
0022DC 3742 721 SRL 8,R7
0022DE CF24 1D7E 722 CW ENTNO,R7 CK # ENTRIES IN TABLE
0022E2 6D01 2080 723 BGT AC502 B CK NEXT ENTRY
724 \*
0022E6 6812 1D78 725 AC590 B OLYRA\* RETURN FROM OVERLAY TO BASIC
726 \*\*\*\*\*
727 \*\*\*\*\*
728 \* PROCEDURE CLEAR CTE04
729 \* PURPOSE - CLEAR BUFFER CTE04
730 \*
731 \* USES - R3,R4,R6,R7
732 \*\*\*\*\*
0022EA 77C4 733 CLEAR MVW R7,R6 SAVE RETURN ADDRESS
0022EC 3481 734 SLL 16,R4 R4 = ZERO = WHAT TO MOVE
0022EE 4324 201A 735 MVA CTE04,R3 R3 = WHERE TO PUT IT
0022F2 6F08 200A 736 MVW CTLEL,R7 R7 = HOW MANY BYTES
0022F6 2C6C 737 PFN R4,(R3) ZERO THE BUFFER
0022F8 68C2 0000 738 B (R6) RETURN
739 \*\*\*\*\*
740 \* END CLEAR PROCEDURE
741 \*\*\*\*\*
742 \*\*\*\*\*
743 \*\*\*\*\*
744 \* PROCEDURE NEXTE
745 \* PURPOSE - ADD NEXT ENTRY TO CONFIG TABLE.
746 \* MOVE CTE04 INTO NEXT AVAILABLE ENTRY OF CONFIG TABLE,
747 \* INCREMENT # OF ENTRIES. ERROR MESSAGE IF NO ROOM.
748 \*
749 \* INPUT - CTE04 CONTAINS THE NEW ENTRY.
750 \* USES - R3,R4,R6,R7
751 \*\*\*\*\*
0022FC 77C4 751 NEXTE MVW R7,R6 SAVE RETURN ADDRESS
0022FE C430 1D7A 752 MVB CTABU\*,R4 R4 = # ENTRIES USED
002302 3441 753 SLL 8,R4
002304 3442 754 SRL 8,R4 R4 = # ENTRIES USED & NO SIGN BITS
002306 CC24 200E 755 CW CTMNE,R4 TEST FOR ROOM IN TABLE
00230A 1404 756 JLT NEXT2 J TABLE IS NOT FULL
757 \*
00230C 4724 202C 758 MVA CTM8,R7
002310 6000 759 SVC OUT PRINT 'CONFIG TABLE FULL'
002312 500D 760 J NEXT4
761 \*
002314 7C81 0001 761 \* ROOM FOR NEW ENTRY
002318 C438 1D7A 762 NEXT2 ANI 1,R4 INCREMENT # OF ENTRIES
00231C EC25 200A 763 MVB R4,CTABU\* STORE # ENTRIES
002320 6C0E 200C 764 MW CTLEL,R4 X 16 = DELTA INTO TABLE
002324 4324 201A 765 AW CTABA,R4 R4 = START ADDRESS OF NEW ENTRY = TO
002328 6F08 200A 766 MVA CTE04,R3 R3 = FROM LOCATION
00232C 2B84 767 MVW CTLEL,R7 R7 = # BYTES TO MOVE
00232E 68C2 0000 768 MVFN (R3),(R4) MOVE NEW ENTRY INTO CONFIG TABLE
769 NEXT4 B (R6) RETURN
770 \*\*\*\*\*
771 \* END OF NEXTE PROCEDURE
772 \*\*\*\*\*
773 \*\*\*\*\*
774 \*\*\*\*\*
775 \*\*\*\*\* END ACCA ML \*\*\*\*\*
776 \*\*\*\*\*
777 \*\*\*\*\*
778 \*\*\*\*\*
779 \* SUBROUTINE - PTINF
780 \* PURPOSE - PRINT 'EN DA DT RID'
781 \* PRINT 'AA BB CC DDDD'
782 \* PRINT 'FEATURE CODE ????'
783 \*
784 \* INPUT - R1 = ENTRY #
785 \* R2 = ADDRESS OF ENTRY
786 \* R6 = OUTIN MESSAGE #
787 \* OUTPUT - ACFC3 IS = ENTERED FEATURE CODE.
788 \* 0000 IF UNKNOWN.
789 \*\*\*\*\*
002332 6E0D 1E0A 789 PTINF MVW R6,ACFC4 SET MESSAGE # FOR OUTIN
002338 77C4 1DBE 790 MVW R7,R6 SAVE RETURN ADDRESS
00233C 6000 791 SVC ACEN1,R7
00233E C128 1D80 792 SVC OUT PRINT 'EN DA DT RID'
002342 8208 1D81 793 MVB R1,PTEN R1 = EN FOR CE
002346 8228 0001 1D82 794 MVB (R2),PTDA R2 = ADDRESS OF ENTRY FOR CE
00234C CB8C 795 MVB (R2,1),PTDT
00234E 8A28 000E 1D84 796 MVW (R2),R3 R3 = DA/DT FOR CE
002354 6C48 000E 797 MVW (R2,14),PTRID R4 = READ ID FOR CE
002358 4724 1DD2 798 MVA (R2,14),R4
00235C 601A 800 SVC HTOE
00235E 4724 1DD8 801 MVA ACHT2,R7
002362 601A 803 SVC HTOE
002364 4724 1DDE 804 MVA ACHT3,R7
002368 601A 805 SVC HTOE
00236A 4724 1DE4 806 MVA ACHT4,R7
00236E 601A 807 SVC HTOE
002370 4724 1DEC 808 MVA ACEN5,R7
002374 6000 809 SVC OUT PRINT 'AA BB CC DDDD'
002376 4724 1E02 810 MVA ACFC1,R7 PRINT 'FEATURE CODE ????'
00237A 6001 811 \* SVC OUTIN ENTER 0000 IF CODE UNKNOWN

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00237C 68C2 0000 812 B (R6) RETURN
813 \*\*\*\*\* END OF SUBROUTINE \*\*\*\*\*
814 \*\*\*\*\*
815 \* SUBROUTINE - DTYP5
816 \* PURPOSE - SEARCH CONFIG TABLE FOR A DEVICE TYPE.
817 \* INPUT - R3 = DEVICE TYPE TO SEARCH FOR.
818 \* R4 = ENTRY # TO START SEARCH AT.
819 \* OUTPUT - R1 = ENTRY #
820 \* R2 = ENTRY ADDRESS
821 \* R3 = 0 IF NOT FOUND, DT IF FOUND
822 \*\*\*\*\*
002380 3341 823 DTYP5 SLL 8,R3
002382 3342 824 SRL 8,R3
002384 4124 0001 825 MVWI 1,R1 1ST ENTRY #
002388 6A08 1D7C 826 MVB CTAB1E,R2 @ 1ST REAL ENTRY
00238C C3A4 0001 827 DTYP2 CB (R2,1),R3
002390 1008 828 JE DTYP9 DEVICE TYPE FOUND - GO RETURN
002392 7921 0001 829 DTYP5 ANI 1,R1
002394 7A41 0010 830 CB CTABU\*,R1 CK # ENTRIES IN TABLE
002396 15F6 831 JLE DTYP2 CK NEXT ENTRY
832 \* END OF TABLE REACHED & NO ENTRY FOUND
833 DTYP2 DTYP2 DTYP2 ZERO R3 FOR RETURN
834 \*
0023A0 3382 835 SRL 16,R3
0023A2 7425 836 LTP9 CW R4,R1
0023A4 14F6 837 B DTYP5 FOUND BEFORE ENTRY TO START
0023A6 68E2 0000 838 JLT DTYP5 RETURN
839 \*\*\*\*\* END OF SUBROUTINE \*\*\*\*\*
840 \*\*\*\*\*
841 \*\*\*\*\*
842 \*\*\*\*\*
843 \*\*\*\*\* END ACCA OVERLAY \*\*\*\*\*
844 \*\*\*\*\*

CROSS-REFERENCE LISTING

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
39	ACCA	ADDRESS. HEX LOCATION(00001D70) IN CSECT(038F7 ) LENGTH(4)
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236	ACEN7	ADDRESS. HEX LOCATION(00001DF5) IN CSECT(038F7 ) LENGTH(2)
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274	AC004	ADDRESS. HEX LOCATION(00001E48) IN CSECT(038F7 ) LENGTH(4)
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DECLARED	NAME	ATTRIBUTES AND REFERENCES
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159	BYT00	ADDRESS. HEX LOCATION(00001D8C) IN CSECT(038F7 ) LENGTH(1)
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161	BYT04	ADDRESS. HEX LOCATION(00001D8E) IN CSECT(038F7 ) LENGTH(1)
162	BYT06	ADDRESS. HEX LOCATION(00001D8F) IN CSECT(038F7 ) LENGTH(1)
163	BYT08	ADDRESS. HEX LOCATION(00001D90) IN CSECT(038F7 ) LENGTH(1)
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166	BYT18	ADDRESS. HEX LOCATION(00001D93) IN CSECT(038F7 ) LENGTH(1)
167	BYT3F	ADDRESS. HEX LOCATION(00001D94) IN CSECT(038F7 ) LENGTH(1)
168	BYT42	ADDRESS. HEX LOCATION(00001D95) IN CSECT(038F7 ) LENGTH(1)
169	BYT46	ADDRESS. HEX LOCATION(00001D96) IN CSECT(038F7 ) LENGTH(1)
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148	CTA1E	ADDRESS. HEX LOCATION(00001D7C) IN CSECT(038F7 ) LENGTH(2)
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152	PTDT	ADDRESS. HEX LOCATION(00001D82) IN CSECT(038F7 ) LENGTH(1)
150	PTEN	ADDRESS. HEX LOCATION(00001D80) IN CSECT(038F7 ) LENGTH(1)
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0	R2	REGISTER. HEX VALUE(00000002) 300 302 314 422 423 424 495 498 529
0	R3	REGISTER. HEX VALUE(00000003) 532 545 547 561 668 669 670 676 677 679 682 685 712 794 795 796 797 798 827 828 831

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
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0	R4	REGISTER. HEX VALUE (00000004) 274 303 360 363 368 374 378 381 384 388 392 395 400 406 410 413 416 419 424 486 548 607 610 615 621 624 627 630 634 638 641 646 652 656 659 662 665 668 734 737 752 753 754 755 762 763 764 765 768 798 836
0	R5	REGISTER. HEX VALUE (00000005) 277 304 371 375 385 389 403 407 423 489 549 618 631 635 649 653 669
0	R6	REGISTER. HEX VALUE (00000006) 284 305 361 364 366 369 372 376 379 382 386 390 393 396 398 401 404 408 411 414 417 420 424 523 552 553 554 555 608 611 613 616 619 622 625 628 632 636 639 642 644 647 650 654 657 660 663 666 670 733 738 751 769 789
0	R7	REGISTER. HEX VALUE (00000007) 39 276 282 285 288 290 291 293 296 306 311 426 427 428 429 488 520 524 527 533 534 535 537 540 550 558 688 703 713 719 720 721 722 733 736 751 758 767 790 791 799 801 803 805 807 809 838
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CROSS-REFERENCE LISTING

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
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652	Y8350	594 ADDRESS. HEX LOCATION (00002226) IN CSECT (038F7 ) LENGTH (4)
656	Y8360	596 ADDRESS. HEX LOCATION (00002234) IN CSECT (038F7 ) LENGTH (4)
659	Y8370	598 ADDRESS. HEX LOCATION (0000223E) IN CSECT (038F7 ) LENGTH (4)
662	Y8380	600 ADDRESS. HEX LOCATION (00002248) IN CSECT (038F7 ) LENGTH (4)
665	Y8390	602 ADDRESS. HEX LOCATION (00002252) IN CSECT (038F7 ) LENGTH (4) 604

\*\*\*\*\* LAST PAGE \*\*\*\*\*