

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
001D70 3 Q38F4 START X'1D70'
4 *****
5 *
6 * *** PREREQUISITES ***
7 *
8 * NONE
9 *
10 *****
11 *
12 * *** MODIFICATIONS ***
13 *
14 * NONE
15 *
16 *****
17 *
18 * *** REA'S INCORPORATED ***
19 *
20 * NONE
21 *
22 * *****
23 *
24 * *** SPECIAL INSTRUCTIONS ***
25 *
26 * NONE
27 *
28 *****
29 *
30 * *** E. C. HISTORY ***
31 *
32 * DATE 12APR78 DATE 08AUG78 DATE DATE
33 * E.C. 755404D E.C. 755404 E.C. E.C.
34 *
35 *****
36 *****
37 *****
38 * OVERLAY PROGRAM START
39 *****
40 CYR00 MVW R7,OLYRA SAVE OVERLAY RETURN ADDRESS
41 B CNE00 START OVERLAY
42 *****
43 *****
44 *****
45 * DATA FOR CONFIG TABLE CHECK OVERLAY
46 *****
47 IPLSL DC X'1830' @ IPL PASS SWITCH IN BASIC (IPLPS)
48 BOPPL DC X'1838' @ OPTION TABLE IN BASIC
49 *****
50 CTSF1 DC X'00' ENTRY # FOUND IN 1ST SEARCH BYTE1
51 CTSF2 DC X'00' ENTRY # FOUND IN 1ST SEARCH BYTE2
52 CTSEM DC X'00' ENTRY # FOUND 1ST PASS
53 TCSBP DC X'00' BYPASS TCS ERRORS FLAG
54 ERDET DC X'00' ERRORS DETECTED FLAG
55 *
56 CHACA DC X'00' DEVICE ADDRESS FOR R3
57 CHACH DC X'00' CONFIG TABLE ENTRY FOR R3
58 *****
59 * CONFIG TABLE MESSAGES = 3820 -384F
60 *
61 * CONTROL BLOCK OUTPUT
62 * ALIGN WORD
63 DC X'0080'
64 CTW20 DC A(CTW21)
65 DC A(-1)
66 * OUTPUT MESSAGE
67 DC X'384C'
68 CTW21 DC C'CONFIG ERROR'
69 DC X'00'
70 *
71 * CONTROL BLOCK OUTPUT
72 * ALIGN WORD
73 DC X'0080'
74 CTW22 DC A(CTW23)
75 DC A(-1)
76 * OUTPUT MESSAGE
77 DC X'384C'
78 CTW23 DC C'01=TERMINATE'
79 DC X'00'
80 *
81 * CONTROL BLOCK OUTPUT
82 * ALIGN WORD
83 DC X'0080'
84 CTW24 DC A(CTW25)
85 DC A(-1)
86 * OUTPUT MESSAGE
87 DC X'384C'
88 CTW25 DC C'02=PRINT ALL ERRORS'
89 DC X'00'
90 *
91 * CONTROL BLOCK OUTPUT
92 * ALIGN WORD
93 DC X'0080'
94 CTW26 DC A(CTW27)
95 DC A(-1)
96 * OUTPUT MESSAGE
97 DC X'384C'
98 CTW27 DC C'03=PRINT OPTIONS'
99 DC X'00'
100 *
101 * CONTROL BLOCK OUTIN
102 * ALIGN WORD
103 DC X'0080'
104 CTW30 DC A(CTW31) OUTPUT
105 DC A(CTW32) INPUT
106 DC A(1) LENGTH OF INPUT
107 DC A(1) CONVERT TO HEX
108 * OUTPUT
109 DC X'3822' OUTPUT
110 CTW31 DC C'04=BYPASS TCS ERROR(S)'
111 DC X'00'
112 * ALIGN WORD
113 * INPUT
114 CTW32 DC X'00' INPUT
115 DC X'00'
116 *
117 * CONTROL BLOCK OUTPUT
118 * ALIGN WORD

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001E0C 00C0 119 DC X'00C0'
001E0E 1E14 120 CTW40 DC A(CTW41)
001E10 FFFF 121 DC A(-1)
122 * OUTPUT MESSAGE
001E12 3823 123 DC X'3823'
001E14 C9D5E5C1D3C9C440C 124 CTW41 DC C'INVALID ENTRY'
001E21 00 125 DC X'00'
126 *
127 * CONTROL BLOCK OUTPUT
128 * ALIGN WORD
129 DC X'0080'
001E22 0080 130 CNM05 DC A(CNM06)
001E24 1E2A 131 DC A(-1)
001E26 FFFF 132 * OUTPUT MESSAGE
001E28 384C 133 DC X'384C'
001E2A C4C5E5C9C3C540C1C 134 CNM06 DC C'DEVICE ADDRESS = '
001E3B 404040404040 135 CNM07 DC C'
001E41 4040 136 DC C'
001E43 C4C5E5C9C3C540C9C 137 DC C'DEVICE ID = '
001E4F 40404040 138 CNM08 DC C'
001E53 00 139 DC X'00'
140 * HTOE HEX TO EBCDIC CONTROL BLOCK ID FROM READ ID
001E54 0002 141 CNM15 DC X'0002' HEX DATA 2 BYTES
001E56 253A 142 DC A(CTIID) DATA ADDRESS ID FROM READ ID
001E58 1E4F 143 DC A(CNM08) EBCDIC OUT BUFFER
144 * CONTROL BLOCK HTOE
001E5A 0002 145 CNM20 DC X'0002' HEX DATA 2 BYTES
001E5C 23D4 146 DC A(CHACT) DATA ADDRESS
001E5E 1E3B 147 DC A(CNM07) EBCDIC OUT BUFFER - DEVICE ADDRESS
148 *
149 * CONTROL BLOCK OUTPUT
150 * ALIGN WORD
151 DC X'0080'
001E60 0080 152 CNM10 DC A(CTE01)
001E62 2426 153 DC A(-1)
001E64 FFFF 154 * OUTPUT MESSAGE SEE CTE01
155 *
156 * CONTROL BLOCK OUTPUT
157 * ALIGN WORD
158 DC X'00C0'
001E66 00C0 159 CHD40 DC A(CMD41)
001E68 1E6E 160 DC A(-1)
001E6A FFFF 161 * OUTPUT
001E6C 3849 162 DC X'3849'
001E6E C1D3E340C3D6D5E2D 163 CHD41 DC C'ALT CONSOLE ERROR'
001E7F 00 164 DC X'00'
165 *
166 * CONTROL BLOCK OUTPUT
167 * ALIGN WORD
168 DC X'0080'
001E80 0080 169 CHD50 DC A(CMD51)
001E82 1E88 170 DC A(-1)
001E84 FFFF 171 * OUTPUT
001E86 384C 172 DC X'384C'
001E88 F0F27EE6D9C9E3C54 173 CHD51 DC C'02=WRITE DISKETTE'
001E99 00 174 DC X'00'
175 *
176 * CONTROL BLOCK OUTPUT
177 * ALIGN WORD
178 DC X'00C0'
001E9A 00C0 179 CNM60 DC A(CNM61)
001E9C 1EA2 180 DC A(-1)
001E9E FFFF 181 * OUTPUT
001EA0 3840 182 DC X'3840'
001EA2 C5D9D9D6D960C9D54 183 CNM61 DC C'ERROR-IN HARDWARE NOT IN TABLE'
001EC0 00 184 DC X'00'
185 *
186 * CONTROL BLOCK OUTPUT
187 * ALIGN WORD
188 DC X'00C0'
001EC1 00 189 CNM65 DC A(CNM66)
001EC2 00C0 190 DC A(-1)
001EC4 1ECA 191 * OUTPUT
001EC6 FFFF 192 DC X'3841'
001EC8 3841 193 CNM66 DC C'ERROR-IN TABLE NOT IN HARDWARE'
001ECA C5D9D9D6D960C9D54 194 DC X'00'
001EE8 00 195 *
196 * CONTROL BLOCK OUTPUT
197 * ALIGN WORD
198 DC X'00C0'
001EE9 00 199 CNM6A DC A(CNM6B)
001EEA 00C0 200 DC A(-1)
001EEC 1EF2 201 * OUTPUT
001EEE FFFF 202 DC X'3842'
001EF0 3842 203 CNM6B DC C'ERROR-ID MISMATCH'
001EF2 C5D9D9D6D960C9C44 204 DC X'00'
001EF3 00 205 *
206 * CONTROL BLOCK OUTPUT
207 * ALIGN WORD
208 DC X'00C0'
001F04 00C0 209 CNM80 DC A(CNM81)
001F06 1F0C 210 DC A(-1)
001F08 FFFF 211 * OUTPUT
001F0A 3843 212 DC X'3843'
001F0C C5D9D9D6D960C4C5E 213 CNM81 DC C'ERROR-DEVICE TYPE VS READ ID'
001F28 00 214 DC X'00'
215 *
216 * CONTROL BLOCK HTOE
217 * ALIGN WORD
218 CNM85 DC X'0002' HEX DATA 2 BYTES
001F2A 0002 219 CNM86 DC A(0) DATA ADDRESS
001F2C 0000 220 DC A(CNM92) EBCDIC OUTPUT BUFFER - DCP STOR SIZE
001F2E 1F57 221 * CONTROL BLOCK HTOE
222 * ALIGN WORD
223 CNM87 DC X'0002' HEX DATA 2 BYTES
001F30 0002 224 CNM88 DC A(0) DATA ADDRESS
001F32 0000 225 DC A(CNM93) EBCDIC OUTPUT BUFFER - TABLE STOR SIZE
001F34 1F62 226 * CONTROL BLOCK OUTPUT
227 * ALIGN WORD
228 DC X'00C0'
001F36 00C0 229 CNM90 DC A(CNM91)
001F38 1F3E 230 DC A(-1)
001F3A FFFF 231 * OUTPUT
001F3C 384E 232 DC X'384E'

Table with columns: LOCTR, OBJECT TEXT, STMT, SOURCE STATEMENT, COPYRIGHT IBM CORP 1976. Contains assembly code for configuration table checks, including error handling and storage size verification.

Table with columns: LOCTR, OBJECT TEXT, STMT, SOURCE STATEMENT, COPYRIGHT IBM CORP 1976. Continuation of assembly code from page 02, including error messages and device ID comparisons.

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
464 * TABLE READ ID & TABLE DEVICE TYPE DO NOT AGREE
465 * IGNORE ERROR IF DEVICE TYPE IS FOR RPQ DEVICE (80 - 9F)
466 (R2,1),R5 R5 = DEVICE TYPE IN TABLE
0021AC C510 0001
0021B0 3541
0021B2 3542
0021B4 7D06 0080
0021B8 1403
0021BA 7D06 009F
0021BE 153C
0021C0 6F08 23C8
0021C4 1812
0021C6 C725 1D80
0021CA 4724 1F06
0021CE 6000
0021D0 4724 2418
0021D4 601A
0021D6 8828 23BE 2420
0021DC 4724 241E
0021E0 601A
0021E2 4724 1E62
0021E6 6000
0021E8 5027
0021EA 4724 1D86
0021EE 6000
0021F0 4724 1D9C
0021F4 6000
0021F6 4724 1DB2
0021FA 6000
0021FC 4724 1DCE
002200 6000
002202 4724 1DE8
002206 6001
002208 C720 1E0A
00220E F701
002212 F702 29B2
002214 100B
002216 F703
002218 106C
00221A F704
00221C 1004
00221E 4724 1E0E
002222 6000
002224 502E
002226 8028 23A6 1D7F
00222C CF25 23C6
002230 CF25 23C8
002234 6802 2010
002238 4029 23D4 0001
00223E 402F 23D4 0100
002244 6C00 2072
002248 6908 23BE
00224C 8128 0002 1D7E
002252 4020 23D4 0000
002258 4020 23C2 0001
00225E 8828 23D4 23BC
002264 CF25 23CC
002268 4020 23CE 0001
00226E 6F03 24C0
002272 8828 23C0 23C2
002278 8828 23C0 1D7C
00227E 1023
002280 802B 1D7E 23C1
002286 1C1F
002288 4029 23C2 0001
00228E 6F03 24C0
002292 6F08 23C0
002296 1017
002298 6F08 23C8
00229C 18A6
00229E C725 1D80
0022A2 6A08 23D4
0022A6 6B08 1D7C
0022AA 6C08 23C0
0022AE 4724 1F68
0022B2 601A
0022B4 4724 1F6E
0022B8 601A
0022BA 4724 1F74
0022BE 601A
0022C0 4724 1F7C
0022C4 6000
0022C6 4029 23D4 0001
0022CC 8828 23D4 23BC
0022D2 402F 23D4 0100
0022D8 6C00 2258
0022DC 6F08 23C6
0022E0 6801 29B2
0022E4 C720 1D7F
0022E8 1004
0022EA C720 1D80
0022EE 6801 29B2
0022F2 6812 238E
467 MVB PASS1,R7
468 SRL CNE30
469 SRL ERDET,R7
470 CWI X'0080',R5
471 JLT CNE27
472 CWI X'009F',R5
473 JLE CNE31
474 * REAL ERROR
475 * CNE27 MVB PASS1,R7
476 JNZ CNE30
477 MVEZ ERDET,R7
478 MVA CNM60,R7
479 SVC OUT
480 MVA CNM25,R7
481 SVC HTOE
482 MVB CTSEA,CTM21
483 MVA CTM20,R7
484 SVC HTOE
485 MVA CNM10,R7
486 SVC OUT
487 J CNE31
488 *****
489 ERRORS DETECTED ON IPL OR 1ST PASS
490 * CNE30 MVA CTM20,R7
491 SVC OUT
492 MVA CTW22,R7
493 SVC OUT
494 MVA CTW24,R7
495 SVC OUT
496 MVA CTW26,R7
497 SVC OUT
498 MVA CTW30,R7
499 SVC OUTIN
500 MVE CTW32,R7
501 CBI ONE,R7
502 BE CTERM
503 TMO,R7
504 JE CNE3R
505 CBI THREE,R7
506 JE CXIN5
507 CBI FOUR,R7
508 JE CNE3A
509 MVA CTW40,R7
510 SVC OUT
511 J CNE30
512 * BYPASS TCS ERRORS
513 * CNE3A MVB CTC01,TCSSP
514 * PRINT ERRORS
515 * CNE3B MVBZ IPLPS,R7
516 MVBZ TASS1,R7
517 B CNE01
518 *****
519 LOOK AT NEXT ENTRY
520 * CNE31 AWI 1,CHACT
521 CWI 256,CHACT
522 BLT CNE06
523 * B IF ALL DEVICE ADDRESSES NOT CHECKED
524 * ALL DEVICE ADDRESSES CHECKED
525 * AND DISCREPENCIES PRINTED TO CE
526 *****
527 CHECK FOR DUPLICATE ADDRESSES
528 MVB CTABA,R1
529 MVB (R1,2),CTSEM
530 MVTI ZERO,CHACT
531 MVTI ONE,CTSEM
532 MVB CHACT,CTSA
533 MVBZ CBPA3,R7
534 MVBZ ONE,CBPA4
535 BAL CSRCH,R7
536 MVB CTSEF,CTSEF1
537 MVB CTSEF,CTSEF1
538 JZ CNE36
539 * ENTRY FOUND IN 1ST PASS
540 CB CTSEM,CTSEE
541 JGE CNE36
542 * SEARCH TABLE AGAIN FOR ANOTHER ENTRY WITH THE SAME ADDRESS
543 AWI 1,CTSEM
544 BAL CSRCH,R7
545 MVB CTSEF,R7
546 JZ CNE36
547 * DUPLICATE ENTRY FOUND
548 MVB PASS1,R7
549 JNZ CNE30
550 MVEZ ERDET,R7
551 MVB CHACT,R2
552 MVB CTSE1,R3
553 MVB CTSE1,R4
554 MVA CNM11,R7
555 SVC HTOE
556 MVA CNM22,R7
557 SVC HTOE
558 MVA CNM23,R7
559 SVC HTOE
560 MVA CNM24,R7
561 OUT
562 * NO ENTRY FOUND OR DUPLICATE ENTRY FOUND
563 * CNE36 AWI 1,CHACT
564 MVB CHACT,CTSA
565 CWI 256,CHACT
566 BLT CNE34
567 * ALL ADDRESSES CHECKED
568 MVB IPLPS,R7
569 BNZ CTERM
570 MVE TCSBP,R7
571 JZ CXIN5
572 MVB ERDET,R7
573 BNZ CTERM
574 * OLTRA*
575 *****
576 *****
577 * PROCEDURE CSENSIO MEMBER=CSENSIO
578 * SEARCH CONFIGURATION TABLE FOR A SENSOR IO TYPE
579 * OF DEVICE.
580 *****
581 R6 = RETURN TO ADDRESS
582 CSIO MVB R7,R6
583 MVTI 1,CTSEF
584 MVB CTABU*,R2
585 MVB CTA1E,R1
586 AWI 1,R1
587 CSIO1 CB CDTA0,(R1)
588 JE CSIO3
589 CB CDTA4,(R1)
590 JE CSIO3
591 CB CDTA8,(R1)
592 JE CSIO3
593 CB CDTA9,(R1)
594 JE CSIO3
595 CB CDTB0,(R1)
596 JE CSIO3
597 CB CDTB4,(R1)
598 JE CSIO3
599 CB CDT40,(R1)
600 JE CSIO3
601 * NO SENSIO THIS ENTRY
602 AWI 16,R1
603 MVTI 1,CTSEF
604 CW CTSEF,R2
605 JGE CSIO1
606 * ALL ENTRIES CHECKED - NO SENS IO FOUND
607 J
608 CSIO3 MVA CTA04,R7
609 SVC OUT
610 * PRINT 'SECURE CUSTOMER INTERFACE'
611 *
612 CSIO5 B (R6) RETURN
613 *****
614 END OF SENSOR IO CK PROCEDURE
615 *****
616 PROCEDURE CKRPQ
617 * SEARCH CONFIGURATION TABLE FOR AN RPQ DEVICE.
618 * PRINT WARNING MESSAGE IF ONE FOUND.
619 * R = RETURN TO ADDRESS
620 *****
621 CKRPQ MVB R7,R6
622 MVTI 1,CTSEF
623 MVB CTABU*,R2
624 SRL 8,R2
625 SRL 8,R2
626 MVB CTA1E,R1
627 MVB (R1),R7
628 MVB 8,R7
629 SRL 12,R7
630 CBI X'08',R7
631 JE CKRP3
632 CBI CKRP3,R7
633 JE CKRP3
634 CKRP3
635 * NO RPQ THIS ENTRY
636 AWI 16,R1
637 MVTI 1,CTSEF
638 CW CTSEF,R2
639 JGE CKRP1
640 * ALL ENTRIES CHECKED - NO RPQ FOUND
641 J
642 * CKRP3 MVA CNMA2,R7
643 SVC OUT
644 * PRINT 'RPQ ON SYSTEM'
645 *
646 CKRP5 B (R6) RETURN
647 *****
648 END OF SENSOR IO CK PROCEDURE
649 *****
650 COPY COMMON SUBROUTINES
651 *****
652 COPY DNSUB1
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579 * R6 = RETURN TO ADDRESS
580 *****
581 CSIO MVB R7,R6
582 MVTI 1,CTSEF
583 MVB CTABU*,R2
584 MVB CTA1E,R1
585 AWI 1,R1
586 CSIO1 CB CDTA0,(R1)
587 JE CSIO3
588 CB CDTA4,(R1)
589 JE CSIO3
590 CB CDTA8,(R1)
591 JE CSIO3
592 CB CDTA9,(R1)
593 JE CSIO3
594 CB CDTB0,(R1)
595 JE CSIO3
596 CB CDTB4,(R1)
597 JE CSIO3
598 CB CDT40,(R1)
599 JE CSIO3
600 * NO SENSIO THIS ENTRY
601 AWI 16,R1
602 MVTI 1,CTSEF
603 CW CTSEF,R2
604 JGE CSIO1
605 * ALL ENTRIES CHECKED - NO SENS IO FOUND
606 J
607 CSIO3 MVA CTA04,R7
608 SVC OUT
609 * PRINT 'SECURE CUSTOMER INTERFACE'
610 *
611 CSIO5 B (R6) RETURN
612 *****
613 END OF SENSOR IO CK PROCEDURE
614 *****
615 PROCEDURE CKRPQ
616 * SEARCH CONFIGURATION TABLE FOR AN RPQ DEVICE.
617 * PRINT WARNING MESSAGE IF ONE FOUND.
618 * R = RETURN TO ADDRESS
619 *****
620 CKRPQ MVB R7,R6
621 MVTI 1,CTSEF
622 MVB CTABU*,R2
623 SRL 8,R2
624 SRL 8,R2
625 MVB CTA1E,R1
626 MVB (R1),R7
627 MVB 8,R7
628 SRL 12,R7
629 CBI X'08',R7
630 JE CKRP3
631 CBI CKRP3,R7
632 JE CKRP3
633 CKRP3
634 * NO RPQ THIS ENTRY
635 AWI 16,R1
636 MVTI 1,CTSEF
637 CW CTSEF,R2
638 JGE CKRP1
639 * ALL ENTRIES CHECKED - NO RPQ FOUND
640 J
641 * CKRP3 MVA CNMA2,R7
642 SVC OUT
643 * PRINT 'RPQ ON SYSTEM'
644 *
645 CKRP5 B (R6) RETURN
646 *****
647 END OF SENSOR IO CK PROCEDURE
648 *****
649 COPY COMMON SUBROUTINES
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651 COPY DNSUB1
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| LOCTR | OBJECT TEXT | STMT | SOURCE STATEMENT | COPYRIGHT IBM CORP 1976 |
|--------|-------------|------|-------------------|----------------------------------|
| 000016 | | 696 | REQSD EQU 22 | REQUEST USE OF DCP DISK SVC |
| 000017 | | 697 | RELSD EQU 23 | RELEASE USE OF DCP DISK SVC |
| 000018 | | 698 | HALT EQU 24 | HALT SVC |
| 000019 | | 699 | ETOH EQU 25 | EBCDIC TO HEX SVC (STRING) |
| 00001A | | 700 | HTOE EQU 26 | HEX TO EBCDIC SVC (STRING) |
| 00001B | | 701 | ATOH EQU 27 | ASCII TO HEX SVC (STRING) |
| 00001C | | 702 | HTOA EQU 28 | HEX TO ASCII SVC (STRING) |
| 00001D | | 703 | ETOA EQU 29 | EBCDIC TO ASCII SVC (STRING) |
| 00001E | | 704 | ATOE EQU 30 | ASCII TO EBCDIC SVC (STRING) |
| 00001F | | 705 | READI EQU 31 | READ DATA SETS FOR HDI/UTIL |
| 000020 | | 706 | WRITI EQU 32 | WRITE DATA SETS FOR UTIL |
| 000020 | | 707 | * | * |
| 000020 | | 708 | VLDV EQU 32 | NUMBER OF HIGHEST VALID SVC |
| 000020 | | 710 | ***** | ***** |
| 000020 | | 711 | * | * |
| 000020 | | 712 | * | * |
| 000020 | | 713 | * | * |
| 000020 | | 714 | ***** | ***** |
| 000020 | | 715 | AUTO EQU 0 | AUTOMATIC MODE IND |
| 000020 | | 716 | TPGSW EQU 0 | TERMINATE PGM SW |
| 000020 | | 717 | LOOP EQU 1 | LOOP PGM IND |
| 000020 | | 718 | OFF EQU 2 | TURN OPT BITS OFF |
| 000020 | | 719 | ON EQU 2 | TURN OPT BITS ON |
| 000020 | | 720 | UTIL EQU 3 | UTILITY REQUESTING DATA |
| 000020 | | 721 | LODED EQU 4 | PGM LOADED |
| 000020 | | 722 | STOP EQU 6 | STOP AFTER MSG OUT |
| 000020 | | 723 | ALTDV EQU 7 | ALTERNATE OUTPUT DEV ASSIGNED |
| 000020 | | 724 | NXTVT EQU 8 | TAKE NEXT DATA SET IND |
| 000020 | | 725 | IRD EQU 10 | MDI READ REQUEST |
| 000020 | | 726 | RTHDI EQU 11 | MDI RETURN REQ |
| 000020 | | 727 | TUIDS EQU 12 | SAVE THE T.U. I.D. |
| 000020 | | 728 | LDIAG EQU 13 | LOOP ALL DIAG PACKAGE |
| 000020 | | 729 | CNRUN EQU 14 | UNIT ADR ASSIGNMENT RUN |
| 000020 | | 730 | NHTRN EQU 3 | HIGHEST INT LEVEL ON SYSTEM |
| 000020 | | 732 | MDIAT EQU 48 | MDI IMMEDIATE RETURN IN CMTL BLK |
| 000020 | | 733 | OPWRD EQU 14 | DISP TO PGM OPTON WORD |
| 000020 | | 735 | EOT EQU X'0D' | END OF MESSAGE CHAR (RETURN) |
| 000020 | | 736 | TBEL EQU X'11' | ATTEN CHAR (X-ON) |
| 000020 | | 737 | DLETE EQU X'7F' | DELETE CHAR (PUBOUT) |
| 000020 | | 738 | PLUS EQU C'+' | PLUS CHAR |
| 000020 | | 739 | MINUS EQU C'-' | MINUS CHAR |
| 000020 | | 740 | EBBK EQU C' ' | BLANK CHAR |
| 000020 | | 742 | NEGZR EQU X'1800' | NEGATIVE AND ZERO INDICATORS |
| 000020 | | 743 | STPCD EQU X'64' | STOP CODE FOR MEMORY |
| 000020 | | 744 | SMBIT EQU X'0010' | SUMMARY MASK BIT |
| 000020 | | 747 | ONE EQU 0 | VALUE OF 0 |
| 000020 | | 748 | TWO EQU 1 | 1 |
| 000020 | | 749 | THREE EQU 2 | 2 |
| 000020 | | 750 | FOUR EQU 3 | 3 |
| 000020 | | 751 | FIVE EQU 4 | 4 |
| 000020 | | 752 | SIX EQU 5 | 5 |
| 000020 | | 753 | SEVEN EQU 6 | 6 |
| 000020 | | 754 | EIGHT EQU 7 | 7 |
| 000020 | | 755 | NINE EQU 8 | 8 |
| 000020 | | 756 | TEN EQU 9 | 9 |
| 000020 | | 757 | ELEVN EQU 10 | 10 |
| 000020 | | 758 | TWELV EQU 11 | 11 |
| 000020 | | 759 | THRTM EQU 12 | 12 |
| 000020 | | 760 | FORTN EQU 13 | 13 |
| 000020 | | 761 | FIVTN EQU 14 | 14 |
| 000020 | | 762 | SIXTN EQU 15 | 15 |
| 000020 | | 763 | SEVTN EQU 16 | 16 |
| 000020 | | 764 | TWNTY EQU 17 | 17 |
| 000020 | | 765 | TWEN1 EQU 20 | 20 |
| 000020 | | 766 | TWEN3 EQU 21 | 21 |
| 000020 | | 767 | TWEN5 EQU 22 | 22 |
| 000020 | | 768 | TWEN6 EQU 23 | 23 |
| 000020 | | 769 | TWEN8 EQU 25 | 25 |
| 000020 | | 770 | THRTY EQU 26 | 26 |
| 000020 | | 771 | FIFTY EQU 28 | 28 |
| 000020 | | 772 | SIXTY EQU 30 | 30 |
| 000020 | | 773 | SIXTY EQU 37 | 37 |
| 000020 | | 774 | SIXTY EQU 60 | 60 |
| 000020 | | 775 | SIXTY EQU 64 | 64 |
| 000020 | | 776 | SIXTY EQU 66 | 66 |
| 000020 | | 777 | SEVN5 EQU 75 | 75 |
| 000020 | | 778 | ONE92 EQU 192 | 192 |
| 000020 | | 779 | TWO08 EQU 208 | INPROC,SUP ST,SM MSK |
| 000020 | | 780 | TWO56 EQU 256 | 256 |
| 000020 | | 781 | THR52 EQU 352 | 352 |
| 000020 | | 782 | FOURK EQU 4096 | 4096 |
| 000020 | | 783 | HHTY EQU X'30' | HEX 30 |
| 000020 | | 784 | H3FFE EQU X'3FFE' | HEX 3FFE |
| 000020 | | 785 | M1 EQU -1 | -1 |
| 000020 | | 786 | M2 EQU -2 | -2 |
| 000020 | | 787 | M3 EQU -3 | -3 |
| 000020 | | 788 | M16 EQU -16 | -16 |
| 000020 | | 789 | M28 EQU -28 | -28 |
| 000020 | | 790 | M30 EQU -30 | -30 |
| 000020 | | 791 | MCKLB EQU C'MC' | |
| 000020 | | 792 | PKLAB EQU C'PC' | |
| 000020 | | 794 | ***** | ***** |
| 000020 | | 795 | * | * |
| 000020 | | 796 | * | * |
| 000020 | | 797 | * | * |
| 000020 | | 798 | ***** | ***** |
| 000020 | | 799 | BOE EQU 6 | DISP TO BOE FROM START OF |
| 000020 | | 800 | * | ENTRY IN VTOC |
| 000020 | | 801 | EOE EQU 8 | DISP TO BOE FROM START OF |
| 000020 | | 802 | * | ENTRY IN VTOC |
| 000020 | | 803 | DSTYP EQU 12 | DISP TO TYPE OF DATA SET IN |
| 000020 | | 804 | * | ENTRY OF VTOC |
| 000020 | | 805 | SPTA EQU 15 | NUMBER SECTORS/TRACK |
| 000020 | | 806 | DIP2A EQU 15 | ADDR 1ST DIPL2 SECTOR |
| 000020 | | 807 | EDIP2 EQU 30 | ADDR LAST DIPL2 SECTOR+1 |
| 000020 | | 808 | PRC1A EQU 120 | ADDR 1ST PROC1 SECTOR |
| 000020 | | 809 | EPRC1 EQU 180 | ADDR LAST PROC1 SECTOR+1 |
| 000020 | | 810 | PRC2A EQU 180 | ADDR 1ST PROC2 SECTOR |
| 000020 | | 811 | EPRC2 EQU 240 | ADDR LAST PROC2 SECTOR+1 |
| 000020 | | 812 | PRC3A EQU 240 | ADDR 1ST PROC3 SECTOR |
| 000020 | | 813 | EPRC3 EQU 300 | ADDR LAST PROC3 SECTOR+1 |
| 000020 | | 814 | VT0CA EQU 330 | ADDR 1ST VT0C SECTOR |
| 000020 | | 815 | EVT0C EQU 360 | ADDR LAST VT0C SECTOR+1 |
| 000020 | | 816 | LDSST EQU 2219 | ADDR LAST SECTOR ON DISK |
| 000020 | | 817 | FDSST EQU 360 | ADDR 1ST DATA SECTOR |

| LOCTR | OBJECT TEXT | STMT | SOURCE STATEMENT | COPYRIGHT IBM CORP 1976 |
|--------|--------------|-------|-------------------|------------------------------------|
| 00000A | | 818 | DCPCY EQU 10 | CYLINDER DCP ON |
| 000020 | | 819 | LVTF EQU 32 | LENGTH IN BYTES OF A VT0C ENTRY |
| 000008 | | 820 | NDFPS EQU 8 | NUMBER ENTRIES/SECTOR IN VT0C |
| 000004 | | 821 | CHDLG EQU 4 | DISP TO DATA IN MULT SECTS |
| 00000A | | 822 | VHDLG EQU 10 | NUMBER BYTES OF HEADER INFORMATION |
| 00000E | | 823 | IHDLP EQU 14 | NUM BYTES PAST ALL HEADER INFO |
| 00001E | | 824 | VHDLP EQU 30 | |
| 825 | * | * | * | ON 1ST SECTOR OF EACH PROGRAM DATA |
| 826 | * | * | * | SET |
| 828 | ***** | ***** | ***** | ***** |
| 829 | * | * | * | * |
| 830 | * | * | * | * |
| 831 | * | * | * | * |
| 832 | * | * | * | * |
| 833 | ***** | ***** | ***** | ***** |
| 003800 | | 834 | RECD1 EQU X'3800' | DCP WAIT |
| 003801 | | 835 | ACNG EQU X'3801' | ALTERNATE CONSOLE ERROR |
| 003802 | | 836 | PCKCD EQU X'3802' | PROGRAM CHECK ERROR |
| 003803 | | 837 | MCKCD EQU X'3803' | MACHINE CHECK ERROR |
| 003804 | | 838 | PTWNG EQU X'3804' | POWER THERMAL ERROR |
| 003805 | | 839 | PSTER EQU X'3805' | PROGRAM TERM |
| 003806 | | 840 | INVCD EQU X'3806' | INVALID COMMAND ERROR |
| 003807 | | 841 | ALTCN EQU X'3807' | ALT IN/OUT UNDER TEST |
| 003808 | | 842 | RES EQU X'3808' | ALT IN/OUT ON LINE |
| 003809 | | 843 | UKP EQU X'3809' | UNEXPECTED I/O INTERRUPT |
| 00380A | | 844 | BPCD5 EQU X'380A' | PROGRAM STARTED |
| 00380B | | 845 | LPD4 EQU X'380B' | DISK ERROR |
| 00380C | | 846 | LPD5 EQU X'380C' | PROGRAM NOT FOUND |
| 00380D | | 847 | LPD6 EQU X'380D' | PROGRAM LOADED |
| 00380E | | 848 | HLTCD EQU X'380E' | HALT SVC |
| 003810 | | 849 | RPCD2 EQU X'3810' | PROGRAM NOT EXPECTING REPLY |
| 003812 | | 850 | RPCD5 EQU X'3812' | PROGRAM EXPECTING HEX DATA |
| 003813 | | 851 | ERR1 EQU X'3813' | TOO MANY CHARACTERS ENTERED |
| 003814 | | 852 | ENTCD EQU X'3814' | ASK FOR DATA ENTRY |
| 003815 | | 853 | SVCOD EQU X'3815' | TOO MANY SVC CALLS |
| 855 | ***** | ***** | ***** | ***** |
| 856 | * | * | * | * |
| 857 | * | * | * | * |
| 858 | * | * | * | * |
| 859 | * | * | * | * |
| 860 | * | * | * | * |
| 861 | ***** | ***** | ***** | ***** |
| 862 | HID EQU 0 | | | PROG I.D. |
| 863 | DVADR EQU 0 | | | DEVICE TYPE IN DEVICE TABLE |
| 864 | DVTYP EQU 1 | | | DEVICE ADR IN DEVICE TABLE |
| 865 | HDDP1 EQU 3 | | | DEVICE DEPENDENT DATA |
| 866 | HDDP2 EQU 4 | | | DEVICE DEPENDENT DATA |
| 867 | CPUMD EQU 4 | | | CPU MODEL DISPLACEMENT |
| 868 | LSADR EQU 6 | | | LAST ADR DISPLACEMENT |
| 869 | HPK EQU 6 | | | PROTECT KEY |
| 870 | HPK1 EQU 7 | | | PROTECT KEY PLUS ONE |
| 871 | HPSA EQU 6 | | | DIAG PROG START ADR |
| 872 | INTAR EQU 6 | | | DEVICE INTERRUPT ADR |
| 873 | HDTVB EQU 08 | | | DIAG DEV TABLE POINTER |
| 874 | EXPNT EQU 17 | | | |
| 875 | TBEND EQU 18 | | | END OF TABLE IND |
| 876 | SCEND EQU 19 | | | END OF SECTOR IND |
| 877 | CICBT EQU 20 | | | C I C B INDICATOR |
| 878 | CFEXT EQU 08 | | | |
| 879 | HTUID EQU 18 | | | MDI MAP I.D DISPLACEMENT |
| 880 | UDTAS EQU 16 | | | UNIT ASSIGNED BIT |
| 881 | PDTAS EQU 32 | | | |
| 882 | UNCRBT EQU 0 | | | UNCONDITIONAL RETURN BIT |
| 883 | CKDAD EQU 1 | | | CHECK REQUESTED DEV |
| 884 | IOCHK EQU 11 | | | I/O CHK IN PSW |
| 885 | NEWAR EQU 15 | | | |
| 886 | ***** | ***** | ***** | ***** |
| 887 | * | * | * | * |
| 888 | * | * | * | * |
| 889 | * | * | * | * |
| 890 | ***** | ***** | ***** | ***** |
| 891 | ***** | ***** | ***** | ***** |
| 892 | CUDA EQU 0 | | | DEVICE ADDRESS |
| 893 | CUDT EQU 1 | | | DEVICE TYPE |
| 894 | CUDF EQU 2 | | | CONTROL FLAGS |
| 895 | CUDD1 EQU 3 | | | DEVICE DEPENDENT DATA -- 1 |
| 896 | CUDD2 EQU 4 | | | DEVICE DEPENDENT DATA -- 2 |
| 897 | CUDD3 EQU 5 | | | DEVICE DEPENDENT DATA -- 3 |
| 898 | CUDD4 EQU 6 | | | DEVICE DEPENDENT DATA -- 4 |
| 899 | CUDD5 EQU 7 | | | DEVICE DEPENDENT DATA -- 5 |
| 900 | CUDD6 EQU 8 | | | DEVICE DEPENDENT DATA -- 6 |
| 901 | CUDD7 EQU 9 | | | DEVICE DEPENDENT DATA -- 7 |
| 902 | CUDD8 EQU 10 | | | DEVICE DEPENDENT DATA -- 8 |
| 903 | CUDD9 EQU 11 | | | DEVICE DEPENDENT DATA -- 9 |
| 904 | CUDDA EQU 12 | | | DEVICE DEPENDENT DATA -- 10 |
| 905 | CUDDB EQU 13 | | | DEVICE DEPENDENT DATA -- 11 |
| 906 | CUDRI EQU 14 | | | DEVICE READ ID DATA RETURNED |
| 908 | ***** | ***** | ***** | ***** |
| 909 | * | * | * | * |
| 910 | * | * | * | * |
| 911 | * | * | * | * |
| 912 | * | * | * | * |
| 913 | ***** | ***** | ***** | ***** |
| 914 | QIAR EQU 0 | | | IARB OF CALLING PROGRAM |
| 915 | OAKR EQU 2 | | | KEY REG |
| 916 | QLSR EQU 4 | | | LSR OF CALLING PROGRAM |
| 917 | OR0 EQU 6 | | | XR0 OF CALLING PROGRAM |
| 918 | OR1 EQU 8 | | | XR1 OF CALLING PROGRAM |
| 919 | OR2 EQU 10 | | | XR2 OF CALLING PROGRAM |
| 920 | OR3 EQU 12 | | | XR3 OF CALLING PROGRAM |
| 921 | OR4 EQU 14 | | | XR4 OF CALLING PROGRAM |
| 922 | OR5 EQU 16 | | | XR5 OF CALLING PROGRAM |
| 923 | OR6 EQU 18 | | | XR6 OF CALLING PROGRAM |
| 924 | OR7 EQU 20 | | | XR7 OF CALLING PROGRAM |
| 925 | OSVC EQU 22 | | | SVC NUMBER OF CALLING PROGRAM |
| 926 | ORAL EQU 23 | | | RETURN CODE AND LEVEL ENTERED |
| 927 | * | * | * | * |
| 928 | QAV1 EQU 24 | | | INTO SVC ON |
| 929 | QAV2 EQU 26 | | | AVAILABLE WORD 1 |
| 931 | ***** | ***** | ***** | ***** |
| 932 | * | * | * | * |
| 933 | * | * | * | * |
| 934 | * | * | * | * |
| 935 | * | * | * | * |

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
936 *
937 *****
938 OAG EQU 2 RETURN ADDRESS IF COND CODE OF
939 * INTERRUPT MATCHES THE COND
940 * CODE AT OCC
941 QAB EQU 4 RETURN ADDRESS IF CONDITION
942 * CODE OF INTERRUPT DOES NOT
943 * MATCH CONDITION CODE AT OCC
944 OCC EQU 7 CONDITION CODE EXPECTED
945 *****
947 *****
948 * DATA FOR COMMON SUBROUTINES
949 *****
950 OLYRA DC A(*-*) OVERLAY RETURN ADDRESS
951 *****
952 CTMSZ DC X'0230' ADDRESS IN DCP LAST USABLE STORAGE
953 ALTER DC X'0240' ADDRESS IN DCP ALT CONSOLE ADD-TYPE
954 *****
955 APTN1 DC X'180E' ADDRESS IN BASIC OF OPTION WORD 1
956 *****
957 CTNAD EQU 256 # DEVICE ADDRESSES
958 *****
959 CDT3D DC X'3D' FLOATING POINT
960 CDT3E DC X'3E' TCS
961 CDT40 DC X'40' TTY
962 CDT44 DC X'44' CRT
963 CDT45 DC X'45' DISPLAY
964 CDT64 DC X'64' PRINTER
965 CDT68 DC X'68' 4973 PRINTER
966 CDTA3 DC X'A0' S/IO
967 CDTA4 DC X'A3' S/IO
968 CDTA4 DC X'A4' S/IO
969 CDTA8 DC X'A8' S/IO
970 CDTA9 DC X'A9' S/IO
971 CDTB0 DC X'B0' S/IO
972 CDTB4 DC X'B4' S/IO
973 CDTB0 DC X'E0' COM SYS
974 CDTE1 DC X'E1' COM SYS
975 *****
976 CTC01 DC X'01' CONSTANT
977 CTC02 DC X'02' CONSTANT
978 CTC03 DC X'03' CONSTANT
979 CTC04 DC X'04' CONSTANT
980 CTC05 DC X'05' CONSTANT
981 CTC06 DC X'06' CONSTANT
982 CTC07 DC X'07' CONSTANT
983 CTC14 DC H'14' CONSTANT
984 CTCFF DC X'FF' CONSTANT 255
985 * ALIGN WORD
986 CTW00 DC X'0000' CONSTANT DECIMAL 00
987 CTW13 DC X'000D' CONSTANT DECIMAL 13
988 CTW16 DC X'0010' CONSTANT DECIMAL 16
989 CTWFF DC X'00FF' CONSTANT
990 * ALIGN WORD
991 ENTER ALT CONSOLE
992 CAEAD DC X'00' ADDRESS - WORD
993 CAEAE DC X'00' ADDRESS - BYTE
994 CAETY DC X'00' TYPE - WORD
995 CAETZ DC X'00' TYPE - BYTE
996 *
997 CTS A DC X'00' SEARCH FOR DEVICE ADDRESS
998 CTS A2 DC X'00' SEARCH FOR DEVICE ADDRESS - BYTE 2
999 CTSEA DC X'0000' ENTRY FOUND ADDRESS
1000 CTSEF DC X'00' ENTRY FOUND NUMBER
1001 CTSEN DC X'00' ENTRY FOUND NUMBER - BYTE 2
1002 CTAD1 DC X'0000' ENTRY # TO START SEARCH AT
1003 CTAD1 DC X'0000' ADDRESS BYTE 1
1004 CTADD DC X'00' ADDRESS BYTE 2
1005 IPLPS DC X'0000' SWITCH - IPL PASS
1006 PASS1 DC X'0000' 1ST PASS FLAG
1007 CINCFC DC X'0000' FLAG IN INITIAL CONFIGURATING MODE
1008 CBPA3 DC X'0000' FLAG BYPASS A3 OEMIA ENTRIES IN CSRCH
1009 CBPA4 DC X'0000' FLAG BYPASS A4 KITE ENTRIES IN CSRCH
1010 CCERR DC X'0000' FLAG CONDITION CODE ERROR IN READ ID
1011 CEDN1 DC X'00' COUNTER TO ENTER DEVICE TYPE
1012 CEDN2 DC X'00' COUNTER
1013 CHACT DC X'00' COUNTER FOR DEVICE ADDRESS
1014 CHAC2 DC X'00' COUNTER 2ND BYTE
1015 CTWC1 DC X'00' PRINT COUNTER BYTE 1
1016 CTWC2 DC X'00' PRINT COUNTER BYTE 2
1017 CDVT1 DC C' ' DEVICE NAME RETURNED BY CDEVT
1018 CDVT2 DC C' ' DEVICE NAME RETURNED BY CDEVT
1019 *****
1020 * CONTROL FOR WRITI
1021 CTRL5 DC A(CTRL6) ADDRESS OF CONFIG TABLE NAME
1022 DC X'3000' WRITI - ADDRESS OF CONFIG TABLE
1023 DC X'0800' WRITI - # WORDS TO WRITE = 2048
1024 CTRL6 DC C'38F1' CONFIG TABLE NAME
1025 *****
1026 * CONFIGURATION TABLE 1120 BYTES
1027 ENTRY ZERO = SYSTEM INFORMATION
1028 * ENTRY FF = DEVICE DATA
1029 CTLEL DC X'0010' TABLE ENTRY LENGTH = 16 BYTES
1030 CTLENG DC F'4096' CONFIGURATION TABLE LENGTH
1031 CTABA DC X'3000' ADDRESS OF CONFIGURATION TABLE
1032 CTABU DC X'3002' ADDRESS NUMBER OF ENTRIES USED
1033 CTABC DC X'3003' ADDRESS OF CONFIGURED FLAG
1034 CTABP DC X'3005' ADDRESS OF SYSTEM TYPE
1035 CTABS DC X'3006' ADDRESS LAST USABLE STORAGE
1036 CTABM DC X'3008' ADDRESS ALT CONSOLE ADD-TYPE
1037 CTATE DC X'3010' ADDRESS 1ST REAL ENTRY
1038 CTADF DC X'FF00' ADDRESS LAST ENTRY
1039 DC X'001' KEEP READY STORAGE ADDRESS ON WD.BD.
1040 CTRL1 DC C'038F1' CONFIGURATION TABLE NAME
1041 CTRL2 DC X'0000' STORAGE ADDRESS FOR CTRL1
1042 * ALIGN WORD
1043 CTMNE DC X'00' 255 = MAX # ENTRIES IN CONFIG TABLE
1044 CTMNF DC X'FF' 255 BYTE 2
1045 *****
1046 * CONFIGURATION TABLE FIELD EXPANSION
1047 *
1048 CTDA ALIGN WORD
1049 DC X'00' DEVICE ADDRESS
1050 CTDI DC X'00' DEVICE TYPE

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00240A 00
1051 CTCF DC B'00000000' CONTROL FLAGS
1052 * BIT 0 - USED BY DCP
1053 * BIT 1 - CHAIN ENTRIES
1054 * BIT 2 - LAST USED ENTRY IN TABLE
1055 * BIT 4 - LAST ENTRY IN EACH SECTOR
1056 * BIT 5 - USED BY DCP
1057 * BIT 6 - TCS DEVICE
1058 * BIT 7 - END OF TABLE
1059 *
1060 CTDD1 DC B'00000000' DEVICE DEPENDENT
1061 CTDD2 DC B'00000000' DEVICE DEPENDENT
1062 CTDD3 DC B'00000000' DEVICE DEPENDENT
1063 CTDD4 DC B'00000000' DEVICE DEPENDENT
1064 CTDD5 DC B'00000000' DEVICE DEPENDENT
1065 CTDD6 DC B'00000000' DEVICE DEPENDENT
1066 CTDD7 DC B'00000000' DEVICE DEPENDENT
1067 CTDD8 DC B'00000000' DEVICE DEPENDENT
1068 CTDD9 DC B'00000000' DEVICE DEPENDENT
1069 CTDDA DC B'00000000' DEVICE DEPENDENT
1070 CTDDB DC B'00000000' DEVICE DEPENDENT
1071 CTDID DC X'00' DEVICE READ ID RESULTS
1072 CTDI2 DC X'00' DEVICE READ ID RESULTS - BYTE 2
1073 * ALIGN WORD
1074 *****
1075 * CONFIG TABLE MESSAGES = 3820 -384F
1076 * CONTROL BLOCK HTOE
1077 CNM25 DC X'0001' HEX DATA 1 BYTES
1078 DC A(CTSEE) DATA ADDRESS
1079 DC A(CTE02) EBCDIC OUT BUFFER - ENTRY #
1080 * CONTROL BLOCK HTOE
1081 CTM20 DC A(16) # BYTES HEX DATA
1082 CTM21 DC A(0) DATA ADDRESS (HEX)
1083 CTM22 DC A(CTE04) BUFFER ADDRESS (EBCDIC)
1084 *
1085 * COMMON TABLE ENTRY
1086 DC X'384C'
1087 CTE01 DC C'ENTRY '
1088 CTE02 DC C' '
1089 CTE03 DC C'-'
1090 CTE04 DC 1C' ' 16 WORDS
1091 CTE05 DC 15C' ' 16 WORDS
1092 CTE06 DC X'00'
1093 *
1094 *
1095 * CONTROL BLOCK OUTIN
1096 * ALIGN WORD
1097 DC X'00C0'
1098 CMD20 DC A(CMD21)
1099 DC A(CMD22)
1100 DC A(2)
1101 DC A(1)
1102 * OUTPUT
1103 DC X'3821'
1104 CMD21 DC C'ALTERNATE CONSOLE DEVICE ADDRESS AND TYPE'
1105 DC X'00'
1106 * INPUT
1107 * ALIGN WORD
1108 CMD22 DC X'00' ADDRESS
1109 CMD23 DC X'00' TYPE
1110 DC X'00'
1111 *
1112 * CONTROL BLOCK OUTPUT
1113 * ALIGN WORD
1114 DC X'00C0'
1115 CMD25 DC A(CMD26)
1116 DC A(-1)
1117 * OUTPUT
1118 DC X'3829'
1119 CMD26 DC C'NO DEVICE'
1120 DC X'00'
1121 *
1122 * CONTROL BLOCK OUTPUT
1123 * ALIGN WORD
1124 DC X'00C0'
1125 CMD30 DC A(CMD31)
1126 DC A(-1)
1127 * OUTPUT
1128 DC X'3832'
1129 CMD31 DC C'PROGRAMMER OR CE CONSOLE'
1130 DC X'00'
1131 *****
1132 * END OF CATA
1133 *****
1134 * ALIGN WORD
1135 *****
1136 *****
1137 *
1138 *
1139 * BEGIN COMMON SUBROUTINES
1140 *
1141 *
1142 *****
1143 *****
1144 *****
1145 * PROCEDURE SEARCH MEMBER=CSEARCH
1146 * SEARCH CONFIGURATION TABLE FOR A DEVICE ADDRESS
1147 * R7 CONTAINS RETURN TO ADDRESS
1148 * INPUT:
1149 * CTS A = DEVICE ADDRESS TO SEARCH FOR
1150 * CTSEN = ENTRY # TO START SEARCH AT
1151 * CBPA3 = 1 TO BYPASS A3 OEMIA ENTRIES
1152 * CBPA4 = 1 TO BYPASS A4 KITE ENTRIES
1153 * OUTPUT:
1154 * CTSEF = 0 IF ADDRESS IS NOT FOUND
1155 * CTSEF = ENTRY # IF ADDRESS FOUND 1-63
1156 * CTSEA = START ADDRESS OF ENTRY IF FOUND
1157 *****
1158 CSRCH EQU *
1159 CXS01 MVB CTABA,R1 CONFIGURATION TABLE ADDRESS
1160 MVB (R1,2),R2 R2 = # ENTRIES IN TABLE
1161 MVB CTSEN,R6 ENTRY # TO START SEARCH AT
1162 MVB R6,CTSEF FIRST ENTRY FOUND #
1163 MVB CTW16,R6
1164 MVB R6,R1 R1 = ADDRESS OF ENTRY TO START SEARCH
1165 CXS02 MVB R6,R1
1166 JE CTS A2,(R1) J IF ADDRESS FOUND

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0024DC 7921 0010 1167 CXS03 ANI 16,R1 INCREMENT ADDRESS
0024E0 4029 23C0 0001 1168 ANI 1,CTSEF INCREMENT ENTRY #
0024E6 CA24 23C0 1169 CW CTSEF,R2
0024EA 1CF5 1170 JGE CXS02 J IF MORE ENTRIES TO CHECK
0024EC CE25 23C0 1171 MVWZ CTSEF,R6 0=ADDRESS NOT FOUND IN CONFIG TABLE
0024F0 5016 1172 J CXS08
0024F2 6E08 23CE 1173 * ENTRY FOUND
0024F6 1004 1174 CXS04 MVW CBPA4,R6 CK BYPASS A4 KITE FLAG
0024F8 806B 239F 0001 1175 * BYPASS A4 KITE ENTRIES
0024FE 10EE 1176 * CB CDPA4,(R1,1) KITE DEVICE TYPE = A4
002500 6E08 23CC 1177 JE CXS03 BYPASS & CONTINUE SEARCH
002504 1004 1178 CXS05 MVW CBPA3,R6 CK BYPASS A3 OEMIA FLAG
002506 806B 239E 0001 1179 * BYPASS A3 KITE OEMIA ENTRIES
00250C 10E7 1180 * CB CDPA3,(R1,1) OEMIA DEVICE TYPE = A3
00250E 806B 2396 0001 1181 * CXS03 BYPASS & CONTINUE SEARCH
002514 10E3 1182 * BYPASS 3D FLOATING POINT ENTRIES
002516 806B 23A4 0001 1183 * CB CDTP3,(R1,1) FLOATING POINT DEVICE TYPE = 3D
00251C 10DF 1184 * JE CXS03 BYPASS & CONTINUE SEARCH
00251E 690D 23BE 1185 * CB CDPE0,(R1,1) COM SYS DEVICE TYPE = E0
002522 68E2 0000 1186 * JE CXS03 BYPASS & CONTINUE SEARCH
002524 68E2 0000 1187 *
002526 0000 1188 *
002528 0000 1189 *
00252A 2537 1190 *
00252C 25AC 1191 *
00252E 0000 1192 *
002530 0000 1193 *
002532 0000 1194 *
002534 0000 1195 *
002536 00 1196 *
002538 00 1197 *
002539 00 1198 *
00253A 0000 1199 *
00253C 0000 1200 *
00253E 00C0 1201 *
002540 2546 1202 *
002542 FFFF 1203 *
002544 3844 1204 *
002546 C5D9D9D6D960D9C5C 1205 *
00255A 40404040 1206 *
00255E 40C3C37E4040 1207 *
002564 4040 1208 *
002566 00 1209 *
002568 00 1210 *
002570 00 1211 *
002572 F0F7 1212 *
002576 0002 1213 *
002578 2536 1214 *
00257A 255A 1215 *
00257C 5000 1216 *
00257E 77C4 1217 *
002580 4020 253C 0000 1218 *
002582 4020 253A 0000 1219 *
002584 4020 23D0 0000 1220 *
002586 4020 23D0 0000 1221 *
002588 4020 23D0 0000 1222 *
002592 4724 252A 1223 *
002596 6009 1224 *
002598 8828 2534 253A 1225 *
00259E 4020 253C 0001 1226 *
0025A4 4020 2526 0000 1227 *
0025AA 506C 1228 *
0025AC 1334 1229 *
0025AE 1723 1230 *
0025B0 6806 25B6 1231 *
0025B4 5067 1232 *
0025B6 402F 2526 0001 1233 *
0025BC 1012 1234 *
0025BE 4020 2526 0001 1235 *
0025C4 4724 252A 1236 *
0025C8 6008 1237 *
0025CA 4020 2528 0000 1238 *
0025D0 6002 1239 *
0025D2 4029 2528 0001 1240 *
0025D8 402F 2528 0190 1241 *

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0025DE 14F8 1282 JLT CYI22 J TO CONTINUE WAIT
0025E0 50CF 1283 J CYI05 J TO RETRY READID
1284 *
1285 *
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| LOC TR | OBJECT TEXT | STMT | SOURCE STATEMENT | COPYRIGHT IBM CORP 1976 |
|--------|------------------|------|---------------------|---------------------------------|
| 002722 | 0406 | 1397 | * DC X'0406' | READ ID |
| 002724 | 0000 | 1398 | DC X'0000' | MASK |
| 002726 | 0044 | 1400 | DC X'0044' | DEVICE TYPE |
| 002728 | 0401 | 1401 | DC C'DISPLAY | DEVICE NAME CRT |
| 002730 | 0400 | 1402 | DC X'0400' | READ ID |
| 002732 | 0000 | 1403 | DC X'0000' | MASK |
| 002734 | 0045 | 1404 | DC X'0045' | DEVICE TYPE |
| 002736 | C4C9E2D7D3C1E840 | 1405 | DC C'DISPLAY | DEVICE NAME 4978 DISPLAY |
| 00273E | 0028 | 1407 | DC X'0028' | READ ID |
| 002740 | 0000 | 1408 | DC X'0000' | MASK |
| 002742 | 0050 | 1409 | DC X'0050' | DEVICE TYPE |
| 002744 | E3C9D4C5D9404040 | 1410 | DC C'TIMER | DEVICE NAME |
| 00274C | C010 | 1411 | * DC X'C010' | READ ID |
| 00274E | 0000 | 1412 | DC X'0000' | MASK |
| 002750 | 0000 | 1413 | DC X'0000' | DEVICE TYPE |
| 002752 | C9D5E340C4C94040 | 1415 | DC C'INT DI | DEVICE NAME |
| 00275A | C018 | 1416 | DC X'C018' | READ ID |
| 00275C | 0000 | 1417 | DC X'0000' | MASK |
| 00275E | 00A0 | 1418 | DC X'00A0' | DEVICE TYPE |
| 002760 | C9D5E340C4D64040 | 1419 | DC C'INT DO | DEVICE NAME |
| 002768 | 8008 | 1420 | DC X'8008' | READ ID |
| 00276A | 0000 | 1421 | DC X'0000' | MASK |
| 00276C | 00B0 | 1422 | DC X'00B0' | DEVICE TYPE |
| 00276E | E2C9D640C4C940C9 | 1423 | DC C'SIO DI I | DEVICE NAME |
| 002776 | 8010 | 1424 | DC X'8010' | READ ID |
| 002778 | 0000 | 1425 | DC X'0000' | MASK |
| 00277A | 00B0 | 1426 | DC X'00B0' | DEVICE TYPE |
| 00277C | E2C9D640C4C94040 | 1427 | DC C'SIO DI | DEVICE NAME |
| 002784 | 8018 | 1428 | DC X'8018' | READ ID |
| 002786 | 0000 | 1429 | DC X'0000' | MASK |
| 002788 | 00B4 | 1430 | DC X'00B4' | DEVICE TYPE |
| 00278A | E2C9D640C4D64040 | 1431 | DC C'SIO DO | DEVICE NAME |
| 002792 | 8020 | 1432 | DC X'8020' | READ ID |
| 002794 | 0000 | 1433 | DC X'0000' | MASK |
| 002796 | 00A8 | 1434 | DC X'00A8' | DEVICE TYPE |
| 002798 | E2C9D640C1C94040 | 1435 | DC C'SIO AI | DEVICE NAME |
| 0027A0 | 8028 | 1436 | DC X'8028' | READ ID |
| 0027A2 | 0000 | 1437 | DC X'0000' | MASK |
| 0027A4 | 00A8 | 1438 | DC X'00A8' | DEVICE TYPE |
| 0027A6 | E2C9D640C1C940C1 | 1439 | DC C'SIO AI A | DEVICE NAME INSTRUMENTATION AMP |
| 0027AE | 8030 | 1440 | DC X'8030' | READ ID |
| 0027B0 | 0000 | 1441 | DC X'0000' | MASK |
| 0027B2 | 00A8 | 1442 | DC X'00A8' | DEVICE TYPE |
| 0027B4 | E2C9D640C1C940D9 | 1443 | DC C'SIO AI R | DEVICE NAME MPX RELAY |
| 0027BC | 8038 | 1444 | DC X'8038' | READ ID |
| 0027BE | 0000 | 1445 | DC X'0000' | MASK |
| 0027C0 | 00A8 | 1446 | DC X'00A8' | DEVICE TYPE |
| 0027C2 | E2C9D640C1C940E2 | 1447 | DC C'SIO AI S | DEVICE NAME MPX SS |
| 0027CA | 8040 | 1448 | DC X'8040' | READ ID |
| 0027CC | 0000 | 1449 | DC X'0000' | MASK |
| 0027CE | 00A9 | 1450 | DC X'00A9' | DEVICE TYPE |
| 0027D0 | E2C9D640C1D64040 | 1451 | DC C'SIO AO | DEVICE NAME |
| 0027D8 | 100E | 1453 | * DC X'100E' | READ ID |
| 0027DA | 0000 | 1454 | DC X'0000' | MASK |
| 0027DC | 00E8 | 1455 | DC X'00E8' | DEVICE TYPE |
| 0027DE | C1C3C3C140E2D340 | 1456 | DC C'ACCA SL | DEVICE NAME |
| 0027E6 | 1006 | 1457 | DC X'1006' | READ ID |
| 0027E8 | 0000 | 1458 | DC X'0000' | MASK |
| 0027EA | 00F0 | 1459 | DC X'00F0' | DEVICE TYPE |
| 0027EC | C2E2C3C140E2D340 | 1460 | DC C'BSCA SL | DEVICE NAME |
| 0027F4 | 1016 | 1461 | DC X'1016' | READ ID |
| 0027F6 | 0020 | 1462 | DC X'0020' | MASK |
| 0027F8 | 0028 | 1463 | DC X'0028' | DEVICE TYPE |
| 0027FA | E2C4D3C340E2D340 | 1464 | DC C'SDLC SL | DEVICE NAME |
| 002802 | 200E | 1465 | DC X'200E' | READ ID |
| 002804 | 0700 | 1466 | DC X'0700' | MASK |
| 002806 | 00E9 | 1467 | DC X'00E9' | DEVICE TYPE |
| 002808 | C1C3C3C140D4D340 | 1468 | DC C'ACCA ML | DEVICE NAME |
| 002810 | 2006 | 1469 | DC X'2006' | READ ID |
| 002812 | 0700 | 1470 | DC X'0700' | MASK |
| 002814 | 00F1 | 1471 | DC X'00F1' | DEVICE TYPE |
| 002816 | C2E2C3C140D4D340 | 1472 | DC C'BSCA ML | DEVICE NAME |
| 00281E | 201E | 1473 | * DC X'201E' | READ ID |
| 002820 | 0700 | 1474 | DC X'0700' | MASK |
| 002822 | 00E1 | 1475 | DC X'00E1' | DEVICE TYPE E0 & E1 |
| 002824 | C3D6D440E2E8E240 | 1477 | DC C'COM SYS | DEVICE NAME 4987 |
| 00282C | 0030 | 1479 | DC X'0030' | READ ID |
| 00282E | 0000 | 1480 | DC X'0000' | MASK |
| 002830 | 003E | 1481 | DC X'003E' | DEVICE TYPE |
| 002832 | E3C3E24040404040 | 1482 | DC C'TCS | DEVICE NAME |
| 00283A | FFFF | 1483 | * DC X'FFFF' | READ ID |
| 00283C | 0000 | 1484 | DC X'0000' | MASK |
| 00283E | 0000 | 1485 | DC X'0000' | DEVICE TYPE |
| 002840 | C4C5D3C5E3C5C440 | 1486 | DC C'DELETED | DEVICE NAME |
| 002848 | 0000 | 1488 | * DC X'0000' | FND OF TABLE |
| 002848 | 0000 | 1490 | ***** | DEVICES WITH NO READID |
| 00284C | 003D | 1492 | DC X'003D' | DEVICE TYPE |
| 00284E | C6D3E340D7E34040 | 1493 | DC C'FLT PT | DEVICE NAME |
| 002854 | 00A3 | 1494 | DC X'00A3' | DEVICE TYPE |
| 002856 | D6C5D440C4D7C340 | 1495 | DC C'OEI DPC | DEVICE NAME |
| 00285E | 00A4 | 1496 | DC X'00A4' | DEVICE TYPE |
| 002860 | E2C9D640C1E3C3C8 | 1497 | DC C'SIO ATCH | DEVICE NAME |
| 002868 | 0000 | 1498 | DC X'0000' | END OF TABLE |
| 00286A | 4040404040404040 | 1499 | DC C' | BLANK NAME FOR UNKNOWN DEVICE |
| 002872 | 0000 | 1500 | ***** | TEST FOR WOODPECKER |
| 002874 | 0000 | 1504 | DC A(*-*) | RETURN ADDRESS |
| 002874 | 0000 | 1505 | DC X'0000' | SAVE AREA FOR R1 |
| 002874 | 0000 | 1506 | ***** | PROGRAM START |
| 002874 | 0000 | 1507 | ***** | TEST FOR WOODPECKER |
| 002874 | 0000 | 1508 | ***** | PROGRAM START |
| 002874 | 0000 | 1509 | ***** | TEST FOR WOODPECKER |
| 002876 | 6F0D 2872 | 1510 | CDEV T MVW R7,CDVRA | SAVE RETURN ADDRESS |
| 00287A | 690D 2874 | 1511 | MVW R1,CDVPI | SAVE R1 |

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|--------|-------------|------|--|----------------------------------|
| 00287E | 4224 267A | 1512 | * MVA DNTAB-FORTN,R2 | R6 = DEVICE READ ID |
| 002882 | 020E | 1513 | EQU * FORTN,R2 | ADDRESS OF DEVICE TYPE TABLE |
| 002884 | 408F 0000 | 1514 | ABI FORTN,R2 | INCREMENT TO NEXT ENTRY |
| 002888 | 100F | 1515 | CWI ZERO(R2) | END OF TABLE |
| 00288A | 76E4 | 1516 | JE DET17 | J YES TEST OTHERS WITH NO READID |
| 00288C | 6F4A 0002 | 1518 | * MVW R6,R7 | R6 = PASSED DEVICE READ ID |
| 002890 | CFA4 0000 | 1519 | RETW (R2,TWO),R7 | |
| 002894 | 18F6 | 1520 | CW (R2,ZERO),R7 | MASK OUT UNUSED BITS |
| 002896 | 0F08 | 1521 | JNE DET15 | DOES ID MATCH |
| 002898 | 46A4 0006 | 1522 | EQU * DET16 | BR/TRY NEXT ENTRY |
| 00289C | 4124 23D8 | 1523 | MVBI EIGHT,R7 | LENGTH OF DEVICE NAME FIELD |
| 00289E | 2E24 | 1524 | MVA (R2,SIX),R6 | START ADDRESS OF LABEL |
| 0028A2 | 6E48 | 1525 | MVA CDVT1,R1 | WHERE TO PUT IT |
| 0028A6 | 501C | 1526 | MVFN (R6),R1 | MOVE THE DEVICE NAME |
| 0028A8 | 7524 | 1528 | MVW (R2,FOUR),R6 | DEVICE TYPE INTO R6 |
| 0028AA | 1012 | 1529 | J DET21 | J TO RETURN |
| 0028AC | 4224 2840 | 1530 | * TEST FOR OTHERS WITH NO READID | |
| 0028B0 | 020A | 1531 | DET17 EQU * | |
| 0028B2 | 408F 0000 | 1532 | MVW R5,R1 | CK FOR A PASSED DEVICE TYPE |
| 0028B6 | 100C | 1533 | JZ DET20 | J NO DEVICE TYPE PASSED |
| 0028B8 | C5A4 0001 | 1534 | MVA DVTNA-TEN,R2 | ADDRESS OF DEVICE TYPE TABLE |
| 0028BC | 18F9 | 1535 | DET18 EQU * | |
| 0028BE | 0F08 | 1536 | ABI TEN,R2 | INCREMENT TO NEXT ENTRY |
| 0028C0 | 45A4 0002 | 1537 | MVA (R2,TWO),R5 | START ADDRESS OF LABEL |
| 0028C4 | 4124 23D8 | 1538 | MVA CDVT1,R1 | WHERE TO PUT IT |
| 0028C8 | 2D24 | 1539 | MVFN (R5),R1 | MOVE THE LABEL |
| 0028CA | 6E48 0004 | 1540 | MVW (R2,FOUR),R6 | DEVICE TYPE INTO R6 |
| 0028CC | 5008 | 1541 | J DET21 | J TO RETURN |
| 0028D0 | 0F08 | 1542 | DET20 EQU * | DEVICE UNKNOWN |
| 0028D2 | 4524 286A | 1543 | MVBI EIGHT,R7 | LENGTH OF DEVICE NAME FIELD |
| 0028D6 | 4124 23D8 | 1544 | MVA (R2,TWO),R5 | START ADDRESS OF LABEL |
| 0028DA | 2D24 | 1545 | MVA CDVT1,R1 | WHERE TO PUT IT |
| 0028DC | 0D00 | 1546 | MVFN (R5),R1 | MOVE THE LABEL |
| 0028DE | 75C4 | 1547 | MVBI ZERO,R5 | RESET R5 |
| 0028E0 | 6908 2874 | 1548 | MVW R5,R6 | RESET R6 |
| 0028E4 | 6812 2872 | 1549 | DET21 EQU * | |
| 0028E4 | 6812 2872 | 1550 | MVW CDVR1,R1 | RESTORE R1 |
| 0028E4 | 6812 2872 | 1551 | B CDVRA* | RETURN |
| 0028E4 | 6812 2872 | 1552 | ***** | END OF CDEV T PROCEDURE ***** |
| 0028E4 | 6812 2872 | 1553 | ***** | MEMBER=CACON ***** |
| 0028E4 | 6812 2872 | 1554 | * PROCEDURE CACON | |
| 0028E4 | 6812 2872 | 1555 | ENTER ALTERNATE CONSOLE | |
| 0028E4 | 6812 2872 | 1556 | 0000 = NO ALT CONSOLE | |
| 0028E4 | 6812 2872 | 1557 | AATT = AA-DEVICE ADDRESS, TT=DEVICE TYPE | |
| 0028E4 | 6812 2872 | 1558 | ***** | ***** |
| 0028E4 | 6812 2872 | 1559 | CACON MVW R7,CACRA | SAVE RETURN ADDRESS |
| 0028E4 | 6812 2872 | 1560 | CACOP MVA CMD20,R7 | |
| 0028E4 | 6812 2872 | 1561 | SVC OUTIN | PRINT 'ENTER ALT CONSOLE' |
| 0028E4 | 6812 2872 | 1562 | * BAL CDCPT,R7 | EXPECT ADDRESS/TYPE |
| 0028E4 | 6812 2872 | 1563 | MVW CMD22,R7 | CK FOR DCP TERMINATE |
| 0028E4 | 6812 2872 | 1564 | JNZ CAC05 | B IF NO ALT CONSOLE |
| 0028E4 | 6812 2872 | 1565 | * MVA 0000 = CE CONSOLE | |
| 0028E4 | 6812 2872 | 1566 | CMD30,R7 | |
| 0028E4 | 6812 2872 | 1567 | SVC OUT | PRINT 'PROGRAMMER OR CE CONSOLE |
| 0028E4 | 6812 2872 | 1568 | J CAC10 | |
| 0028E4 | 6812 2872 | 1569 | * ALTERNATE CONSOLE ENTERED | |
| 0028E4 | 6812 2872 | 1570 | CAC05 MVB CMD22,CAEAE | ADDRESS |
| 0028E4 | 6812 2872 | 1571 | MVB CMD23,CAETZ | TYPE |
| 0028E4 | 6812 2872 | 1572 | BAL CADTY,R7 | CALL CHECK ADDRESS VS TYPE |
| 0028E4 | 6812 2872 | 1573 | * CWI 1,R6 | R6 = 1=OK, 0=ERROR |
| 0028E4 | 6812 2872 | 1574 | JE CAC10 | J ENTERED OK |
| 0028E4 | 6812 2872 | 1575 | * MVA DEVICE ENTERED NOT FOUND | |
| 0028E4 | 6812 2872 | 1576 | CMD25,R7 | |
| 0028E4 | 6812 2872 | 1577 | SVC OUT | PRINT 'NO DEVICE' |
| 0028E4 | 6812 2872 | 1578 | * ALT CONSOLE ENTERED OK OR NONE ENTERED | |
| 0028E4 | 6812 2872 | 1579 | CAC10 MVW CMD22,CTABN* | ALT CONSOLE ADD-TYPE INTO TABLE |
| 0028E4 | 6812 2872 | 1580 | MVW CMD23,ALTER* | ALT CONSOLE ADD-TYPE INTO DCP |
| 0028E4 | 6812 2872 | 1581 | B CACRA* | RETURN |
| 0028E4 | 6812 2872 | 1582 | ***** | ***** |
| 0028E4 | 6812 2872 | 1583 | CACRA DC A(*-*) | RETURN ADDRESS |
| 0028E4 | 6812 2872 | 1584 | ***** | ***** |
| 0028E4 | 6812 2872 | 1585 | * END OF CACON PROCEDURE | |
| 0028E4 | 6812 2872 | 1586 | ***** | ***** |
| 0028E4 | 6812 2872 | 1587 | * PROCEDURE CADTY | MEMBER=CADTY |
| 0028E4 | 6812 2872 | 1588 | CHECK ALTERNATE CONSOLE ADDRESS VS TYPE | |
| 0028E4 | 6812 2872 | 1589 | INPUT CAERA = RETURN ADDRESS | |
| 0028E4 | 6812 2872 | 1590 | CAEAD = ADDRESS | |
| 0028E4 | 6812 2872 | 1591 | CAETY = TYPE | |
| 0028E4 | 6812 2872 | 1592 | * OUTPUT R6 = 0=ERROR, 1=OK | |
| 0028E4 | 6812 2872 | 1593 | R4 = READ ID RESULT | |
| 0028E4 | 6812 2872 | 1594 | ***** | ***** |
| 0028E4 | 6812 2872 | 1595 | * DATA DEFINITIONS | |
| 0028E4 | 6812 2872 | 1596 | CAERA DC X'0000' | RETURN ADDRESS |
| 0028E4 | 6812 2872 | 1597 | ***** | ***** |
| 0028E4 | 6812 2872 | 1598 | * PROGRAM START | |
| 0028E4 | 6812 2872 | 1599 | CADTY MVW R7,CAERA | RETURN ADDRESS |
| 0028E4 | 6812 2872 | 1600 | MVW CAEAD,CTIDD | DEVICE ADDRESS |
| 0028E4 | 6812 2872 | 1601 | BAL CYRID,R7 | CALL READ ID |
| 0028E4 | 6812 2872 | 1602 | * MVW COMPARE READ ID VS DEVICE TYPE | |
| 0028E4 | 6812 2872 | 1603 | CTIID,R4 | R4 = READ ID FOR RETURN |
| 0028E4 | 6812 2872 | 1604 | MVW R4,R6 | R6 = ID FOR BAL |
| 0028E4 | 6812 2872 | 1605 | SRI 16,R5 | ZERO R5 |
| 0028E4 | 6812 2872 | 1606 | BAL CDEV T,R7 | CALL FIND DEVICE TYPE |
| 0028E4 | 6812 2872 | 1607 | * CW CAETY,R6 | TYPE RETURNED IN R6 |
| 0028E4 | 6812 2872 | 1608 | JNE CAD20 | CHECK TYPE |
| 0028E4 | 6812 2872 | 1609 | CB CDT40,R6 | TTY |
| 0028E4 | 6812 2872 | 1610 | JE CAD10 | |
| 0028E4 | 6812 2872 | 1611 | CB CDT44,R6 | CRT |
| 0028E4 | 6812 2872 | 1612 | JE CAD10 | |
| 0028E4 | 6812 2872 | 1613 | CB CDT45,R6 | DISPLAY |

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002964 1006 1628 JE CAD10
002966 C624 239B 1629 CB CDT64,R6 PRINTER
00296A 1003 1630 JE CAD10
00296C C624 239C 1631 CB CDT68,R6 4973 PRINTER
002970 1803 1632 JNE CAD20 B IF NOT VALID TYPE
1633 * VALID ADD VS TYPE
002972 4624 0001 1634 CAD10 MVWI 1,R6
002976 5002 1635 J CAD30
1636 * INVALID ADD VS TYPE
002978 4624 0000 1637 CAD20 MVWI 0,R6
00297C 6812 2932 1638 *
1639 CAD30 B CAERA* RETURN
1640 *****
1641 * END OF CADTY PROCEDURE
1642 *****
1643 * PROCEDURE STYPE
1644 *****
1645 * FIND SYSTEM TYPE
1646 * DIAG X'04' INSTRUCTION RETURNS R0 = X'0002' FOR BELLE 4952
1647 * X'0003' FOR ELBERTA 4953
1648 * X'0005' FOR CLING 4955
1649 *
1650 * RETURN R1=22 FOR BELLE 4952
1651 * R1=23 FOR ELBERTA 4953
1652 * R1=25 FOR CLING 4955
1653 * RETURN TO NEXT INSTRUCTION
1654 *****
1655 STYPE DIAG X'04' DIAGNOSE SYSTEM TYPE
1656 CBI X'02',R0
1657 JE STYP5
1658 CBI X'03',R0
1659 JE STYP7
1660 * 4955 = '0005'
1661 MVBI X'25',R1
1662 J STYP9
1663 * 4952 = '0002'
1664 STYP5 MVBI X'22',R1
1665 J STYP9
1666 * 4953 = '0003'
1667 STYP7 MVBI X'23',R1
1668 STYP9 B (R7) RETURN TO CALLEP
1669 ***** END OF SYSTEM TYPE PROCEDURE *****
1670 *
1671 *
1672 *
1673 *****
1674 * PROCEDURE CDCPT
1675 * CHECK FOR DCP TERMINATE BIT ON - BIT 0 OPTION WORD 1
1676 *****
1677 CDCPR DC X'0000' RETURN ADDRESS
1678 *****
1679 CDCPT MVW R7,CDCPR SAVE RETURN ADDRESS
1680 MVW AOPTN1,R7 @ OF OPTION WORD 1 IN BASIC
1681 TBT (R7,0) BIT 0 = DCP TERMINATE PROGRAM
1682 JZ CDCPU GO
1683 *-----
1684 * SVC TERM TERMINATE PROGRAM
1685 *-----
1686 CDCPU B CDCPR* RETURN
1687 *****
1688 * END CHECK FOR DCP TERMINATE
1689 *****
1690 *****
1691 *****
1692 * PROCEDURE WANDT
1693 * PURPOSE - A) WRITE CONFIGURATION TABLE TO DISK AND TERMINATE.
1694 * B) TERMINATE.
1695 *****
1696 WANDT MVA CTRL5,R7
1697 CTERM SVC WRITL WRITE DISK
1698 CTERM SVC TERM TERMINATE PROGRAM
1699 *****
1700 *****
1701 *****
1702 * END OF COMMON SUBROUTINES
1703 *****
1704 *****
1705 *****
1706 END CYR00 END OF PROGRAM
1707 *****
1708 * END OF CONFIGURATION PROGRAM
1709 *****

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DECLARED NAME ATTRIBUTES AND REFERENCES
953 ALTER ADDRESS. HEX LOCATION(00002392) IN CSECT(038F4) LENGTH(2)
955 AOPTN1 ADDRESS. HEX LOCATION(00002394) IN CSECT(038F4) LENGTH(2)
282 CAA04 ADDRESS. HEX LOCATION(00001FCA) IN CSECT(038F4) LENGTH(2)
286 CAA05 ADDRESS. HEX LOCATION(00001FD0) IN CSECT(038F4) LENGTH(25)
1593 CACRA ADDRESS. HEX LOCATION(00002930) IN CSECT(038F4) LENGTH(2)
1579 CAC05 ADDRESS. HEX LOCATION(00002904) IN CSECT(038F4) LENGTH(6)
1589 CAC10 ADDRESS. HEX LOCATION(00002920) IN CSECT(038F4) LENGTH(6)
1611 CADTY ADDRESS. HEX LOCATION(00002934) IN CSECT(038F4) LENGTH(4)
1634 CAD10 ADDRESS. HEX LOCATION(00002972) IN CSECT(038F4) LENGTH(4)
1637 CAD20 ADDRESS. HEX LOCATION(00002978) IN CSECT(038F4) LENGTH(4)
1639 CAD30 ADDRESS. HEX LOCATION(0000297C) IN CSECT(038F4) LENGTH(4)
992 CAEAD ADDRESS. HEX LOCATION(000023B8) IN CSECT(038F4) LENGTH(1)
993 CAEAE ADDRESS. HEX LOCATION(000023B9) IN CSECT(038F4) LENGTH(1)
1608 CAERA ADDRESS. HEX LOCATION(00002932) IN CSECT(038F4) LENGTH(2)
994 CAETY ADDRESS. HEX LOCATION(000023BA) IN CSECT(038F4) LENGTH(1)
995 CAETZ ADDRESS. HEX LOCATION(000023BB) IN CSECT(038F4) LENGTH(1)
1008 CBPA3 ADDRESS. HEX LOCATION(000023CC) IN CSECT(038F4) LENGTH(2)
1009 CBPA4 ADDRESS. HEX LOCATION(000023CE) IN CSECT(038F4) LENGTH(2)
1010 CCERR ADDRESS. HEX LOCATION(000023D0) IN CSECT(038F4) LENGTH(2)
1677 CDCPR ADDRESS. HEX LOCATION(00002998) IN CSECT(038F4) LENGTH(2)
1679 CDCPT ADDRESS. HEX LOCATION(0000299A) IN CSECT(038F4) LENGTH(4)
1686 CDCPU ADDRESS. HEX LOCATION(000029A8) IN CSECT(038F4) LENGTH(4)
1510 CDEVT ADDRESS. HEX LOCATION(00002876) IN CSECT(038F4) LENGTH(4)
966 CDTA0 ADDRESS. HEX LOCATION(0000239D) IN CSECT(038F4) LENGTH(1)
967 CDTA3 ADDRESS. HEX LOCATION(0000239E) IN CSECT(038F4) LENGTH(1)
968 CDTA4 ADDRESS. HEX LOCATION(0000239F) IN CSECT(038F4) LENGTH(1)
969 CDTA8 ADDRESS. HEX LOCATION(000023A0) IN CSECT(038F4) LENGTH(1)
970 CDTA9 ADDRESS. HEX LOCATION(000023A1) IN CSECT(038F4) LENGTH(1)
971 CDTB0 ADDRESS. HEX LOCATION(000023A2) IN CSECT(038F4) LENGTH(1)
972 CDTB4 ADDRESS. HEX LOCATION(000023A3) IN CSECT(038F4) LENGTH(1)
973 CDTE0 ADDRESS. HEX LOCATION(000023A4) IN CSECT(038F4) LENGTH(1)
959 CDT3D ADDRESS. HEX LOCATION(00002396) IN CSECT(038F4) LENGTH(1)
961 CDT40 ADDRESS. HEX LOCATION(00002398) IN CSECT(038F4) LENGTH(1)
962 CDT44 ADDRESS. HEX LOCATION(00002399) IN CSECT(038F4) LENGTH(1)
963 CDT45 ADDRESS. HEX LOCATION(0000239A) IN CSECT(038F4) LENGTH(1)
964 CDT64 ADDRESS. HEX LOCATION(0000239B) IN CSECT(038F4) LENGTH(1)
965 CDT68 ADDRESS. HEX LOCATION(0000239C) IN CSECT(038F4) LENGTH(1)
1504 CDVRA ADDRESS. HEX LOCATION(00002872) IN CSECT(038F4) LENGTH(2)
1505 CDVR1 ADDRESS. HEX LOCATION(00002874) IN CSECT(038F4) LENGTH(2)
1017 CDVT1 ADDRESS. HEX LOCATION(000023D8) IN CSECT(038F4) LENGTH(4)
56 CHACA ADDRESS. HEX LOCATION(00001D82) IN CSECT(038F4) LENGTH(1)
1013 CHACT ADDRESS. HEX LOCATION(000023D4) IN CSECT(038F4) LENGTH(1)
1014 CHAC2 ADDRESS. HEX LOCATION(000023D5) IN CSECT(038F4) LENGTH(1)
1007 CINCF ADDRESS. HEX LOCATION(000023CA) IN CSECT(038F4) LENGTH(2)
628 CKRP1 ADDRESS. HEX LOCATION(00002364) IN CSECT(038F4) LENGTH(2)
643 CKRP3 ADDRESS. HEX LOCATION(00002384) IN CSECT(038F4) LENGTH(4)
646 CKRP5 ADDRESS. HEX LOCATION(0000238A) IN CSECT(038F4) LENGTH(4)
1098 CMD20 ADDRESS. HEX LOCATION(00002454) IN CSECT(038F4) LENGTH(2)
1104 CMD21 ADDRESS. HEX LOCATION(0000245E) IN CSECT(038F4) LENGTH(41)
1108 CMD22 ADDRESS. HEX LOCATION(00002488) IN CSECT(038F4) LENGTH(1)
1109 CMD23 ADDRESS. HEX LOCATION(00002489) IN CSECT(038F4) LENGTH(1)
1115 CMD25 ADDRESS. HEX LOCATION(0000248E) IN CSECT(038F4) LENGTH(2)
1119 CMD26 ADDRESS. HEX LOCATION(00002494) IN CSECT(038F4) LENGTH(9)
1125 CMD30 ADDRESS. HEX LOCATION(000024A0) IN CSECT(038F4) LENGTH(2)
1129 CMD31 ADDRESS. HEX LOCATION(000024A6) IN CSECT(038F4) LENGTH(24)

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|----------|-------|--|
| 163 | CMD41 | ADDRESS. HEX LOCATION (00001E6E) IN CSECT (038F4) LENGTH (17) |
| 173 | CMD51 | ADDRESS. HEX LOCATION (00001E88) IN CSECT (038F4) LENGTH (17) |
| 313 | CNE00 | ADDRESS. HEX LOCATION (00002000) IN CSECT (038F4) LENGTH (6) |
| 322 | CNE01 | ADDRESS. HEX LOCATION (00002010) IN CSECT (038F4) LENGTH (6) |
| 336 | CNE03 | ADDRESS. HEX LOCATION (00002036) IN CSECT (038F4) LENGTH (1) |
| 358 | CNE05 | ADDRESS. HEX LOCATION (0000206C) IN CSECT (038F4) LENGTH (6) |
| 360 | CNE06 | ADDRESS. HEX LOCATION (00002072) IN CSECT (038F4) LENGTH (4) |
| 374 | CNE07 | ADDRESS. HEX LOCATION (00002098) IN CSECT (038F4) LENGTH (4) |
| 408 | CNE10 | ADDRESS. HEX LOCATION (00002106) IN CSECT (038F4) LENGTH (4) |
| 419 | CNE15 | ADDRESS. HEX LOCATION (00002124) IN CSECT (038F4) LENGTH (4) |
| 432 | CNE20 | ADDRESS. HEX LOCATION (00002148) IN CSECT (038F4) LENGTH (4) |
| 456 | CNE25 | ADDRESS. HEX LOCATION (00002192) IN CSECT (038F4) LENGTH (4) |
| 475 | CNE27 | ADDRESS. HEX LOCATION (000021C0) IN CSECT (038F4) LENGTH (4) |
| 513 | CNE3A | ADDRESS. HEX LOCATION (00002226) IN CSECT (038F4) LENGTH (6) |
| 515 | CNE3B | ADDRESS. HEX LOCATION (0000222C) IN CSECT (038F4) LENGTH (4) |
| 490 | CNE30 | ADDRESS. HEX LOCATION (000021EA) IN CSECT (038F4) LENGTH (4) |
| 520 | CNE31 | ADDRESS. HEX LOCATION (00002238) IN CSECT (038F4) LENGTH (6) |
| 529 | CNE34 | ADDRESS. HEX LOCATION (00002258) IN CSECT (038F4) LENGTH (6) |
| 561 | CNE36 | ADDRESS. HEX LOCATION (000022C6) IN CSECT (038F4) LENGTH (6) |
| 272 | CNMA0 | ADDRESS. HEX LOCATION (00001FAC) IN CSECT (038F4) LENGTH (2) |
| 276 | CNMA1 | ADDRESS. HEX LOCATION (00001FB2) IN CSECT (038F4) LENGTH (20) |
| 292 | CNMA2 | ADDRESS. HEX LOCATION (00001FEC) IN CSECT (038F4) LENGTH (2) |
| 296 | CNMA3 | ADDRESS. HEX LOCATION (00001FF2) IN CSECT (038F4) LENGTH (13) |
| 241 | CNMD1 | ADDRESS. HEX LOCATION (00001F68) IN CSECT (038F4) LENGTH (2) |
| 246 | CNMD2 | ADDRESS. HEX LOCATION (00001F6E) IN CSECT (038F4) LENGTH (2) |
| 251 | CNMD3 | ADDRESS. HEX LOCATION (00001F74) IN CSECT (038F4) LENGTH (2) |
| 257 | CNMD4 | ADDRESS. HEX LOCATION (00001F7C) IN CSECT (038F4) LENGTH (2) |
| 261 | CNMD5 | ADDRESS. HEX LOCATION (00001F82) IN CSECT (038F4) LENGTH (23) |
| 262 | CNMD6 | ADDRESS. HEX LOCATION (00001F99) IN CSECT (038F4) LENGTH (2) |
| 264 | CNMD7 | ADDRESS. HEX LOCATION (00001FA2) IN CSECT (038F4) LENGTH (2) |
| 266 | CNMD8 | ADDRESS. HEX LOCATION (00001FA7) IN CSECT (038F4) LENGTH (2) |
| 130 | CNM05 | ADDRESS. HEX LOCATION (00001E24) IN CSECT (038F4) LENGTH (2) |
| 134 | CNM06 | ADDRESS. HEX LOCATION (00001E2A) IN CSECT (038F4) LENGTH (17) |
| 135 | CNM07 | ADDRESS. HEX LOCATION (00001E3B) IN CSECT (038F4) LENGTH (6) |
| 138 | CNM08 | ADDRESS. HEX LOCATION (00001E4F) IN CSECT (038F4) LENGTH (4) |
| 152 | CNM10 | ADDRESS. HEX LOCATION (00001E62) IN CSECT (038F4) LENGTH (2) |
| 141 | CNM15 | ADDRESS. HEX LOCATION (00001E54) IN CSECT (038F4) LENGTH (2) |
| 145 | CNM20 | ADDRESS. HEX LOCATION (00001E5A) IN CSECT (038F4) LENGTH (2) |
| 1077 | CNM25 | ADDRESS. HEX LOCATION (00002418) IN CSECT (038F4) LENGTH (2) |
| 199 | CNM6A | ADDRESS. HEX LOCATION (00001EEC) IN CSECT (038F4) LENGTH (2) |
| 203 | CNM6B | ADDRESS. HEX LOCATION (00001EF2) IN CSECT (038F4) LENGTH (17) |
| 179 | CNM60 | ADDRESS. HEX LOCATION (00001E9C) IN CSECT (038F4) LENGTH (2) |
| 183 | CNM61 | ADDRESS. HEX LOCATION (00001EA2) IN CSECT (038F4) LENGTH (30) |
| 189 | CNM65 | ADDRESS. HEX LOCATION (00001EC4) IN CSECT (038F4) LENGTH (2) |
| 193 | CNM66 | ADDRESS. HEX LOCATION (00001ECA) IN CSECT (038F4) LENGTH (30) |
| 209 | CNM80 | ADDRESS. HEX LOCATION (00001F06) IN CSECT (038F4) LENGTH (2) |
| 213 | CNM81 | ADDRESS. HEX LOCATION (00001F0C) IN CSECT (038F4) LENGTH (28) |
| 218 | CNM85 | ADDRESS. HEX LOCATION (00001F2A) IN CSECT (038F4) LENGTH (2) |
| 219 | CNM86 | ADDRESS. HEX LOCATION (00001F2C) IN CSECT (038F4) LENGTH (2) |
| 223 | CNM87 | ADDRESS. HEX LOCATION (00001F30) IN CSECT (038F4) LENGTH (2) |
| 224 | CNM88 | ADDRESS. HEX LOCATION (00001F32) IN CSECT (038F4) LENGTH (2) |
| 229 | CNM90 | ADDRESS. HEX LOCATION (00001F38) IN CSECT (038F4) LENGTH (2) |
| 233 | CNM91 | ADDRESS. HEX LOCATION (00001F3E) IN CSECT (038F4) LENGTH (25) |
| 234 | CNM92 | ADDRESS. HEX LOCATION (00001F57) IN CSECT (038F4) LENGTH (4) |
| 236 | CNM93 | ADDRESS. HEX LOCATION (00001F62) IN CSECT (038F4) LENGTH (4) |

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| DECLARED | NAME | ATTRIBUTES AND REFERENCES |
|----------|-------|--|
| 581 | CSIO | ADDRESS. HEX LOCATION (000022F6) IN CSECT (038F4) LENGTH (2) |
| 536 | CSIO1 | ADDRESS. HEX LOCATION (0000230A) IN CSECT (038F4) LENGTH (4) |
| 608 | CSIO3 | ADDRESS. HEX LOCATION (00002346) IN CSECT (038F4) LENGTH (4) |
| 611 | CSIO5 | ADDRESS. HEX LOCATION (0000234C) IN CSECT (038F4) LENGTH (4) |
| 1158 | CSRCH | ADDRESS. HEX LOCATION (000024C0) IN CSECT (038F4) LENGTH (1) |
| 1031 | CTABA | ADDRESS. HEX LOCATION (000023EE) IN CSECT (038F4) LENGTH (2) |
| 1036 | CTABN | ADDRESS. HEX LOCATION (000023F8) IN CSECT (038F4) LENGTH (2) |
| 1034 | CTABP | ADDRESS. HEX LOCATION (000023F4) IN CSECT (038F4) LENGTH (2) |
| 1035 | CTABS | ADDRESS. HEX LOCATION (000023F6) IN CSECT (038F4) LENGTH (2) |
| 1032 | CTABU | ADDRESS. HEX LOCATION (000023F0) IN CSECT (038F4) LENGTH (2) |
| 1037 | CTA1E | ADDRESS. HEX LOCATION (000023FA) IN CSECT (038F4) LENGTH (2) |
| 976 | CTC01 | ADDRESS. HEX LOCATION (000023A6) IN CSECT (038F4) LENGTH (1) |
| 977 | CTC02 | ADDRESS. HEX LOCATION (000023A7) IN CSECT (038F4) LENGTH (1) |
| 978 | CTC03 | ADDRESS. HEX LOCATION (000023A8) IN CSECT (038F4) LENGTH (1) |
| 979 | CTC04 | ADDRESS. HEX LOCATION (000023A9) IN CSECT (038F4) LENGTH (1) |
| 980 | CTC05 | ADDRESS. HEX LOCATION (000023AA) IN CSECT (038F4) LENGTH (1) |
| 981 | CTC06 | ADDRESS. HEX LOCATION (000023AB) IN CSECT (038F4) LENGTH (1) |
| 982 | CTC07 | ADDRESS. HEX LOCATION (000023AC) IN CSECT (038F4) LENGTH (1) |
| 1698 | CTERM | ADDRESS. HEX LOCATION (000029B2) IN CSECT (038F4) LENGTH (2) |
| 1087 | CTE01 | ADDRESS. HEX LOCATION (00002426) IN CSECT (038F4) LENGTH (6) |
| 1088 | CTE02 | ADDRESS. HEX LOCATION (0000242C) IN CSECT (038F4) LENGTH (2) |
| 1090 | CTE04 | ADDRESS. HEX LOCATION (00002430) IN CSECT (038F4) LENGTH (2) |
| 1216 | CTICA | ADDRESS. HEX LOCATION (00002538) IN CSECT (038F4) LENGTH (1) |
| 1217 | CTICC | ADDRESS. HEX LOCATION (00002539) IN CSECT (038F4) LENGTH (1) |
| 1205 | CTICT | ADDRESS. HEX LOCATION (00002528) IN CSECT (038F4) LENGTH (2) |
| 1215 | CTIDA | ADDRESS. HEX LOCATION (00002537) IN CSECT (038F4) LENGTH (1) |
| 1214 | CTIDD | ADDRESS. HEX LOCATION (00002536) IN CSECT (038F4) LENGTH (1) |
| 1220 | CTIDF | ADDRESS. HEX LOCATION (0000253C) IN CSECT (038F4) LENGTH (2) |
| 1219 | CTIID | ADDRESS. HEX LOCATION (0000253A) IN CSECT (038F4) LENGTH (2) |
| 1204 | CTIT2 | ADDRESS. HEX LOCATION (00002526) IN CSECT (038F4) LENGTH (2) |
| 1207 | CTI04 | ADDRESS. HEX LOCATION (0000252A) IN CSECT (038F4) LENGTH (2) |
| 1212 | CTI05 | ADDRESS. HEX LOCATION (00002534) IN CSECT (038F4) LENGTH (2) |
| 1225 | CTI15 | ADDRESS. HEX LOCATION (00002540) IN CSECT (038F4) LENGTH (2) |
| 1229 | CTI16 | ADDRESS. HEX LOCATION (00002546) IN CSECT (038F4) LENGTH (20) |
| 1230 | CTI17 | ADDRESS. HEX LOCATION (0000255A) IN CSECT (038F4) LENGTH (4) |
| 1232 | CTI18 | ADDRESS. HEX LOCATION (00002564) IN CSECT (038F4) LENGTH (2) |
| 1235 | CTI20 | ADDRESS. HEX LOCATION (00002568) IN CSECT (038F4) LENGTH (2) |
| 1236 | CTI30 | ADDRESS. HEX LOCATION (0000256A) IN CSECT (038F4) LENGTH (2) |
| 1237 | CTI35 | ADDRESS. HEX LOCATION (0000256C) IN CSECT (038F4) LENGTH (2) |
| 1238 | CTI40 | ADDRESS. HEX LOCATION (0000256E) IN CSECT (038F4) LENGTH (2) |
| 1239 | CTI45 | ADDRESS. HEX LOCATION (00002570) IN CSECT (038F4) LENGTH (2) |
| 1240 | CTI50 | ADDRESS. HEX LOCATION (00002572) IN CSECT (038F4) LENGTH (2) |
| 1241 | CTI55 | ADDRESS. HEX LOCATION (00002574) IN CSECT (038F4) LENGTH (2) |
| 1243 | CTI60 | ADDRESS. HEX LOCATION (00002576) IN CSECT (038F4) LENGTH (2) |
| 952 | CTMSZ | ADDRESS. HEX LOCATION (00002390) IN CSECT (038F4) LENGTH (2) |
| 1081 | CTM20 | ADDRESS. HEX LOCATION (0000241E) IN CSECT (038F4) LENGTH (2) |
| 1082 | CTM21 | ADDRESS. HEX LOCATION (00002420) IN CSECT (038F4) LENGTH (2) |
| 1021 | CTRL5 | ADDRESS. HEX LOCATION (000023E0) IN CSECT (038F4) LENGTH (2) |
| 1024 | CTRL6 | ADDRESS. HEX LOCATION (000023E6) IN CSECT (038F4) LENGTH (4) |
| 997 | CTSA | ADDRESS. HEX LOCATION (000023BC) IN CSECT (038F4) LENGTH (1) |
| 998 | CTSA2 | ADDRESS. HEX LOCATION (000023BD) IN CSECT (038F4) LENGTH (1) |
| 999 | CTSEA | ADDRESS. HEX LOCATION (000023BE) IN CSECT (038F4) LENGTH (2) |
| 1001 | CTSEE | ADDRESS. HEX LOCATION (000023C1) IN CSECT (038F4) LENGTH (1) |
| 1000 | CTSEF | ADDRESS. HEX LOCATION (000023C0) IN CSECT (038F4) LENGTH (1) |
| 52 | CTSEM | ADDRESS. HEX LOCATION (00001D7E) IN CSECT (038F4) LENGTH (1) |

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| DECLARED | NAME | ATTRIBUTES AND REFERENCES |
|----------|-------|---|
| 1002 | CTSEN | ADDRESS. HEX LOCATION(000023C2) IN CSECT(038F4) LENGTH(2) |
| 50 | CTSF1 | ADDRESS. HEX LOCATION(00001D7C) IN CSECT(038F4) LENGTH(1) |
| 51 | CTSF2 | ADDRESS. HEX LOCATION(00001D7D) IN CSECT(038F4) LENGTH(1) |
| 988 | CTW16 | ADDRESS. HEX LOCATION(000023B4) IN CSECT(038F4) LENGTH(2) |
| 64 | CTW20 | ADDRESS. HEX LOCATION(00001D86) IN CSECT(038F4) LENGTH(2) |
| 68 | CTW21 | ADDRESS. HEX LOCATION(00001D8C) IN CSECT(038F4) LENGTH(12) |
| 74 | CTW22 | ADDRESS. HEX LOCATION(00001D9C) IN CSECT(038F4) LENGTH(2) |
| 78 | CTW23 | ADDRESS. HEX LOCATION(00001DA2) IN CSECT(038F4) LENGTH(12) |
| 84 | CTW24 | ADDRESS. HEX LOCATION(00001DB2) IN CSECT(038F4) LENGTH(2) |
| 88 | CTW25 | ADDRESS. HEX LOCATION(00001DB8) IN CSECT(038F4) LENGTH(19) |
| 94 | CTW26 | ADDRESS. HEX LOCATION(00001DCE) IN CSECT(038F4) LENGTH(2) |
| 98 | CTW27 | ADDRESS. HEX LOCATION(00001DD4) IN CSECT(038F4) LENGTH(16) |
| 104 | CTW30 | ADDRESS. HEX LOCATION(00001DE8) IN CSECT(038F4) LENGTH(2) |
| 110 | CTW31 | ADDRESS. HEX LOCATION(00001DF2) IN CSECT(038F4) LENGTH(22) |
| 114 | CTW32 | ADDRESS. HEX LOCATION(00001E0A) IN CSECT(038F4) LENGTH(1) |
| 120 | CTW40 | ADDRESS. HEX LOCATION(00001E0E) IN CSECT(038F4) LENGTH(2) |
| 124 | CTW41 | ADDRESS. HEX LOCATION(00001E14) IN CSECT(038F4) LENGTH(13) |
| 906 | CUDRI | ABSOLUTE. HEX VALUE(0000000E) |
| 572 | CXIN5 | ADDRESS. HEX LOCATION(000022F2) IN CSECT(038F4) LENGTH(4) |
| 1165 | CXS02 | ADDRESS. HEX LOCATION(000024D6) IN CSECT(038F4) LENGTH(4) |
| 1167 | CXS03 | ADDRESS. HEX LOCATION(000024DC) IN CSECT(038F4) LENGTH(4) |
| 1174 | CXS04 | ADDRESS. HEX LOCATION(000024F2) IN CSECT(038F4) LENGTH(4) |
| 1179 | CXS05 | ADDRESS. HEX LOCATION(00002500) IN CSECT(038F4) LENGTH(4) |
| 1185 | CXS06 | ADDRESS. HEX LOCATION(0000250E) IN CSECT(038F4) LENGTH(6) |
| 1191 | CXS08 | ADDRESS. HEX LOCATION(0000251E) IN CSECT(038F4) LENGTH(4) |
| 1250 | CYI05 | ADDRESS. HEX LOCATION(00002580) IN CSECT(038F4) LENGTH(6) |
| 1264 | CYI10 | ADDRESS. HEX LOCATION(000025AC) IN CSECT(038F4) LENGTH(2) |
| 1271 | CYI20 | ADDRESS. HEX LOCATION(000025B6) IN CSECT(038F4) LENGTH(6) |
| 1279 | CYI22 | ADDRESS. HEX LOCATION(000025D0) IN CSECT(038F4) LENGTH(2) |
| 1286 | CYI25 | ADDRESS. HEX LOCATION(000025E2) IN CSECT(038F4) LENGTH(6) |
| 1290 | CYI30 | ADDRESS. HEX LOCATION(000025F6) IN CSECT(038F4) LENGTH(4) |
| 1296 | CYI35 | ADDRESS. HEX LOCATION(00002608) IN CSECT(038F4) LENGTH(6) |
| 1299 | CYI40 | ADDRESS. HEX LOCATION(00002616) IN CSECT(038F4) LENGTH(2) |
| 1306 | CYI45 | ADDRESS. HEX LOCATION(0000262A) IN CSECT(038F4) LENGTH(6) |
| 1309 | CYI50 | ADDRESS. HEX LOCATION(00002638) IN CSECT(038F4) LENGTH(4) |
| 1315 | CYI55 | ADDRESS. HEX LOCATION(0000264A) IN CSECT(038F4) LENGTH(6) |
| 1319 | CYI60 | ADDRESS. HEX LOCATION(00002658) IN CSECT(038F4) LENGTH(6) |
| 1332 | CYI65 | ADDRESS. HEX LOCATION(0000267E) IN CSECT(038F4) LENGTH(6) |
| 1334 | CYI70 | ADDRESS. HEX LOCATION(00002684) IN CSECT(038F4) LENGTH(4) |
| 1248 | CYRID | ADDRESS. HEX LOCATION(0000257C) IN CSECT(038F4) LENGTH(2) |
| 40 | CYR00 | ADDRESS. HEX LOCATION(00001D70) IN CSECT(038F4) LENGTH(4) |
| 1514 | DET15 | ADDRESS. HEX LOCATION(00002882) IN CSECT(038F4) LENGTH(1) |
| 1531 | DET17 | ADDRESS. HEX LOCATION(000028A8) IN CSECT(038F4) LENGTH(1) |
| 1535 | DET18 | ADDRESS. HEX LOCATION(000028B0) IN CSECT(038F4) LENGTH(1) |
| 1549 | DET20 | ADDRESS. HEX LOCATION(000028D0) IN CSECT(038F4) LENGTH(1) |
| 1556 | DET21 | ADDRESS. HEX LOCATION(000028E0) IN CSECT(038F4) LENGTH(1) |
| 1352 | DNTAB | ADDRESS. HEX LOCATION(00002688) IN CSECT(038F4) LENGTH(2) |
| 1492 | DVTNA | ADDRESS. HEX LOCATION(0000284A) IN CSECT(038F4) LENGTH(2) |
| 1499 | DVTUN | ADDRESS. HEX LOCATION(0000286A) IN CSECT(038F4) LENGTH(8) |
| 754 | EIGHT | ABSOLUTE. HEX VALUE(00000008) |
| 54 | ERDET | ADDRESS. HEX LOCATION(00001D80) IN CSECT(038F4) LENGTH(1) |
| 760 | FORTN | ABSOLUTE. HEX VALUE(0000000E) |
| 750 | FOUR | ABSOLUTE. HEX VALUE(00000004) |
| 700 | HTOE | ABSOLUTE. HEX VALUE(0000001A) |
| 676 | IDLE | ABSOLUTE. HEX VALUE(00000002) |

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| DECLARED | NAME | ATTRIBUTES AND REFERENCES |
|----------|-------|--|
| 1005 | IPLPS | ADDRESS. HEX LOCATION(000023C6) IN CSECT(038F4) LENGTH(2) |
| 47 | IPLSL | ADDRESS. HEX LOCATION(00001D78) IN CSECT(038F4) LENGTH(2) |
| 950 | OLYRA | ADDRESS. HEX LOCATION(0000238E) IN CSECT(038F4) LENGTH(2) |
| 747 | ONE | ABSOLUTE. HEX VALUE(00000001) |
| 674 | OUT | ABSOLUTE. HEX VALUE(00000000) |
| 675 | OUTIN | ABSOLUTE. HEX VALUE(00000001) |
| 3 | O38F4 | CSECT. START(00001D70) LENGTH(3140) ESDID(1) |
| 1006 | PASS1 | ADDRESS. HEX LOCATION(000023C8) IN CSECT(038F4) LENGTH(2) |
| 682 | RESET | ABSOLUTE. HEX VALUE(00000008) |
| 683 | RID | ABSOLUTE. HEX VALUE(00000009) |
| 0 | R0 | REGISTER. HEX VALUE(00000000) |
| 0 | R1 | REGISTER. HEX VALUE(00000001) |
| 0 | R2 | REGISTER. HEX VALUE(00000002) |
| 0 | R3 | REGISTER. HEX VALUE(00000003) |
| 0 | R4 | REGISTER. HEX VALUE(00000004) |
| 0 | R5 | REGISTER. HEX VALUE(00000005) |
| 0 | R6 | REGISTER. HEX VALUE(00000006) |
| 0 | R7 | REGISTER. HEX VALUE(00000007) |
| 752 | SIX | ABSOLUTE. HEX VALUE(00000006) |
| 1655 | STYPE | ADDRESS. HEX LOCATION(00002980) IN CSECT(038F4) LENGTH(2) |
| 1664 | STYP5 | ADDRESS. HEX LOCATION(0000298E) IN CSECT(038F4) LENGTH(2) |
| 1667 | STYP7 | ADDRESS. HEX LOCATION(00002992) IN CSECT(038F4) LENGTH(2) |
| 1668 | STYP9 | ADDRESS. HEX LOCATION(00002994) IN CSECT(038F4) LENGTH(4) |
| 53 | TCSBP | ADDRESS. HEX LOCATION(00001D7F) IN CSECT(038F4) LENGTH(1) |
| 756 | TEN | ABSOLUTE. HEX VALUE(0000000A) |
| 681 | TERM | ABSOLUTE. HEX VALUE(00000007) |
| 749 | THREE | ABSOLUTE. HEX VALUE(00000003) |
| 748 | TWO | ABSOLUTE. HEX VALUE(00000002) |
| 706 | WRITI | ABSOLUTE. HEX VALUE(00000020) |
| 746 | ZERO | ABSOLUTE. HEX VALUE(00000000) |

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