

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976

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3 COPY LOG7832 ** MAP EC HISTORY **
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5 *** PREREQUISITES ***
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11 *** MODIFICATIONS ***
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17 *** REA'S INCORPORATED ***
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22 *** SPECIAL INSTRUCTIONS ***
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27 *** E. C. HISTORY ***
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START X'2500' START ADDRESS OF ALL 'I' TYPE PROG
@QUES EQUATE X'0100' EQUATED VALUE FOR MDI STATEMENT
@FIXT EQUATE X'0101' EQUATED VALUE FOR MDI STATEMENT
@STOP EQUATE X'0102' EQUATED VALUE FOR MDI STATEMENT
@GOTO EQUATE X'0200' EQUATED VALUE FOR MDI STATEMENT
@CALL EQUATE X'0201' EQUATED VALUE FOR MDI STATEMENT
@INPT EQUATE X'0300' EQUATED VALUE FOR MDI STATEMENT
@QUXX EQUATE X'0400' EQUATED VALUE FOR MDI STATEMENT
@TUXX EQUATE X'0500' EQUATED VALUE FOR MDI STATEMENT
@NVLD EQUATE X'0600' EQUATED VALUE FOR MDI STATEMENT
@EC EQUATE FOR EQUAL
@NE EQUATE FOR NOT EQUAL
@HI EQUATE FOR HIGH
@NH EQUATE FOR NOT HIGH
@LO EQUATE FOR LOW
@NL EQUATE FOR NOT LOW
@LT EQUATE FOR LESS THAN
@LE EQUATE FOR LESS THAN OR EQUAL TO
@GT EQUATE FOR GREATER THAN
@GE EQUATE FOR GREATER THAN OR EQUAL TO
@ON EQUATE FOR ON
@OF EQUATE FOR OFF
@MX EQUATE FOR MIXED
@HBC EQUATE FOR EBCDIC DATA TRANSFER
@HEX EQUATE FOR HEX DATA TRANSFER
@XTRNL EQUATE FOR EXTERNAL REFERENCE
@INTRNL EQUATE FOR INTERNAL REFERENCE
@PARM EQUATE INDICATING PARAMETER
@DA EQUATE FOR DEVICE ADDRESS
@UA EQUATE FOR UNIT ADDRESS
@DUMMY EQUATE DUMMY EQUATE
@PID *-X'0D00' ADDRESS OF MDI HEADER
@PTYPE *-X'22CE' ADDRESS OF PROCESSOR TYPE FIELD
@SEFPNUM EQUATE X'0000C' ADDRESS OF DECIMAL STEP NUMBER
@OPW1 EQUATE X'0000E' ADDRESS OF OPTION WORD ONE
@OPW2 EQUATE X'00010' ADDRESS OF OPTION WORD TWO
@TUSTATUS EQUATE X'00018' ADDRESS OF TU STATUS WORD
@TWORK EQUATE X'0001A' ADDRESS OF TU WORK AREA
@TUPARN1 EQUATE X'0009A' ADDRESS OF PARM 1 POINTER
@TUPARN2 EQUATE X'0009C' ADDRESS OF PARM 2 POINTER
@TUPARN3 EQUATE X'0009E' ADDRESS OF PARM 3 POINTER
@TUPARN4 EQUATE X'000A0' ADDRESS OF PARM 4 POINTER
@TUPARN5 EQUATE X'000A2' ADDRESS OF PARM 5 POINTER
@TUPARN6 EQUATE X'000A4' ADDRESS OF PARM 6 POINTER
@TUPARN7 EQUATE X'000A6' ADDRESS OF PARM 7 POINTER
@TUPARN8 EQUATE X'000A8' ADDRESS OF PARM 8 POINTER
@TUPARN9 EQUATE X'000AA' ADDRESS OF PARM 9 POINTER
@TUPARN10 EQUATE X'000AC' ADDRESS OF PARM 10 POINTER
@TUPARN11 EQUATE X'000AE' ADDRESS OF PARM 11 POINTER
@TUPARN12 EQUATE X'000B0' ADDRESS OF PARM 12 POINTER
@TUPARN13 EQUATE X'000B2' ADDRESS OF PARM 13 POINTER
@TUPARN14 EQUATE X'000B4' ADDRESS OF PARM 14 POINTER
@TUPARN15 EQUATE X'000B6' ADDRESS OF PARM 15 POINTER
@TUPARN16 EQUATE X'000B8' ADDRESS OF PARM 16 POINTER
@TUMSGWTR EQUATE X'000BA' ADDRESS OF -> TO COMMON MSG WRITER
@TUUA EQUATE X'000BE' ADDRESS OF UNIT ADDRESS IN EBC
@TUDA EQUATE X'000C0' ADDRESS OF DEVICE ADDRESS IN EBC
@TULAST EQUATE X'000C2' ADDRESS OF LAST USED WORD IN MAP
@TULAST EQUATE X'000C4' ADDRESS OF LAST ADDRESSABLE WORD
@TULAST EQUATE X'000C6' ADDRESS OF LENGTH OF TU RESULTS
@TRESULN EQUATE X'000C8' ADDRESS OF TU RESULTS FIELD
@MAFNAM EQUATE X'000FC' ADDRESS OF MAP NAME FIELD IN HEX
@TUINPT EQUATE X'0148' ADDRESS OF SINPT DATA
@PARMARA EQUATE X'016E' ADDRESS OF SINPT INPUT AREA
@DCADD1 EQUATE X'01B8' MDI POINTER
@DCADD2 EQUATE X'01BA' MDI POINTER
@SUPSTAT EQUATE X'01C4' ADDRESS OF MDI STATUS
@DEVADD EQUATE X'01D0' ADDRESS OF DEVICE ADDRESS TABLE 0
@DEVADD1 EQUATE X'01DA' ADDRESS OF DEVICE ADDRESS TABLE 1
@DEVADD2 EQUATE X'01DE' ADDRESS OF DEVICE ADDRESS TABLE 2
@DEVADD3 EQUATE X'01E2' ADDRESS OF DEVICE ADDRESS TABLE 3
@DEVADD4 EQUATE X'01E8' ADDRESS OF DEVICE ADDRESS TABLE 4
@DEVADD5 EQUATE X'0202' ADDRESS OF DEVICE ADDRESS TABLE 5
@DEVADD6 EQUATE X'0204' ADDRESS OF DEVICE ADDRESS TABLE 6
@DEVADD7 EQUATE X'0216' ADDRESS OF DEVICE ADDRESS TABLE 7
@BPRINT OFF

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976

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002500 2D64 201 ***** DC A(ENTPT) POINT TO MAP ENTRY POINT TABLE *****
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THE FOLLOWING TABLES ARE USED BY THE MDI SUPERVISOR (D3C00) TO LOCATE THE CORRECT RULE TO INVOKE, TO OBTAIN THE PROPER PARAMETERS TO PASS TO THE TU'S AND TO PASS TO THE OPERATOR THE INDICATED MESSAGE(S). THERE ARE FOUR TABLES USED FOR THIS PURPOSE THEY ARE:
STEP AND RULE ADDRESS TABLE
THIS TABLE GIVES THE ADDRESS OF THE RULE TO INVOKE AND THE ASSOCIATED STEP DECIMAL STEP NUMBER OF THAT RULE. ENTRIES ARE AS FOLLOWS
A) AN ADDRESS OF THE RULE DC START AREA
B) THE STEP NUMBER IN DECIMAL
C) AN EQUATE FOR THE STEP NUMBER
RULE INFORMATION TABLE
THIS TABLE CONTAINS THE REQUIRED INFORMATION TO EXECUTE THE APPROPRIATE RULE UNDER MDI. EACH RULE HAS ITS OWN UNIQUELY DEFINED AREA INDICATED BELOW. END OF TABLE IS INDICATED WITH A X'0000' FOR THE RULE EQUATE.
\$QUES A) RULE EQUATE X'0100'
B) ADDRESS OF THE YES LEG RULE
\$FIXT A) RULE EQUATE X'0101'
B) ADDRESS OF MESSAGE TO PRINT
\$STOP A) RULE EQUATE X'0102'
B) ADDRESS OF MESSAGE
\$GOTO A) RULE EQUATE X'0200'
B) ADDRESS OF MESSAGE
C) NAME OF MAP TO GO TO
D) ENTRY POINT WITHIN GO TO MAP TO USE
E) INDICATOR FOR EXTERNAL OR INTERNAL REFERENCE
\$CALL A) RULE EQUATE X'0201'
B) ADDRESS OF MESSAGE
C) NAME OF MAP TO CALL
D) ENTRY POINT WITHIN CALLED MAP TO USE
E) INDICATOR FOR EXTERNAL OR INTERNAL REFERENCE
\$INPT A) RULE EQUATE X'0300'
B) INPUT TYPE (EBCDIC OR HEX)
C) ADDRESS OF YES LEG RULE
D) DESTINATION LOCATION OF INPUT DATA
E) LENGTH OF INPUT DATA
F) LOWER LIMIT OF GOOD DATA
G) HIGHER LIMIT OF GOOD DATA
\$QUXX A) RULE EQUATE X'0400'
B) ADDRESS OF YES LEG RULE
C) TU BRANCH TO ADDRESS (INITIAL)
D) TU BRANCH TO ADDRESS (SECONDARY)
E) LENGTH OF PARAMETER IN BYTES
F) PARAMETER TO PASS TO TU
G) STORE ADDRESS FOR FIRST 8 WORDS OF PARAMETER
\$TUXX A) RULE EQUATE X'0500'
B) ADDRESS OF YES LEG RULE
C) TU BRANCH TO ADDRESS
D) TYPE OF COMPARE TO MAKE ON RESULTS
E) LENGTH OF COMPARED RESULTS
F) MASK FIELD FOR COMPARE
G) LENGTH OF PARAMETER IN BYTES
H) PARAMETER TO PASS TO THE TU
I) STORE ADDRESS FOR FIRST 8 WORDS OF PARAMETER
\$NVLD A) RULE EQUATE X'0600'
ENTRY POINT TABLE
THIS TABLE CONTAINS THE ENTRY POINTS WITHIN THE MAP THAT THE MAP CAN BE ENTERED FROM THESE ENTRY POINTS ARE REFERENCED BY NAME AND ADDRESS. ENTRIES ARE AS FOLLOWS:
A) NAME OF ENTRY POINT
B) ADDRESS OF ENTRY POINT RULE TABLE
THE ENTRY POINT TABLE END IS INDICATED BY A X'0000'
MESSAGE TABLE
THIS TABLE CONTAINS THE MESSAGE PASSED TO THE OPERATOR VIA THE MDI SUPERVISOR. THE TABLE IS AS FOLLOWS:
A) EQUATE FOR START OF MESSAGE BLOCK
B) NUMBER OF LINES OF MESSAGE
C) LENGTH OF FOLLOWING LINE
D) FIRST LINE OF MESSAGE
E) LENGTH OF FOLLOWING LINE
F) SECOND LINE OF MESSAGE
G) ETC.

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
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LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
000024	291E	425	EQN00036 EQU	0036
002592		426	DC	AL2(N00037)
002594	0037	427	DC	XL2'0037'
000025		428	EQN00037 EQU	0037
002596	2922	429	DC	AL2(N00038)
000028	0038	430	DC	XL2'0038'
00259A	2926	431	EQN00038 EQU	0038
00259C	0039	432	DC	AL2(N00039)
000027		433	DC	XL2'0039'
00259E	292A	434	EQN00039 EQU	0039
0025A0	0040	435	DC	AL2(N00040)
000028		436	DC	XL2'0040'
0025A2	292E	437	EQN00040 EQU	0040
0025A4	0041	438	DC	AL2(N00041)
000029		439	DC	XL2'0041'
0025A6	2942	440	EQN00041 EQU	0041
0025A8	0042	441	DC	AL2(N00042)
00002A		442	DC	XL2'0042'
0025AA	2956	443	EQN00042 EQU	0042
0025AC	0043	444	DC	AL2(N00043)
00002B		445	DC	XL2'0043'
0025AE	296A	446	EQN00043 EQU	0043
0025B0	0044	447	DC	AL2(N00044)
00002C		448	DC	XL2'0044'
0025B2	297E	449	EQN00044 EQU	0044
0025B4	0045	450	DC	AL2(N00045)
00002D		451	DC	XL2'0045'
0025B6	2992	452	EQN00045 EQU	0045
0025B8	0046	453	DC	AL2(N00046)
00002E		454	DC	XL2'0046'
0025BA	2996	455	EQN00046 EQU	0046
0025BC	0047	456	DC	AL2(N00047)
00002F		457	DC	XL2'0047'
0025BE	299A	458	EQN00047 EQU	0047
0025C0	0048	459	DC	AL2(N00048)
000030		460	DC	XL2'0048'
0025C2	299E	461	EQN00048 EQU	0048
0025C4	0049	462	DC	AL2(N00049)
000031		463	DC	XL2'0049'
0025C6	29A2	464	EQN00049 EQU	0049
0025C8	0050	465	DC	AL2(N00050)
000032		466	DC	XL2'0050'
0025CA	29A6	467	EQN00050 EQU	0050
0025CC	0051	468	DC	AL2(N00051)
000033		469	DC	XL2'0051'
0025CE	29AA	470	EQN00051 EQU	0051
0025D0	0052	471	DC	AL2(N00052)
000034		472	DC	XL2'0052'
0025D2	29AE	473	EQN00052 EQU	0052
0025D4	0053	474	DC	AL2(N00053)
000035		475	DC	XL2'0053'
0025D6	29B2	476	EQN00053 EQU	0053
0025D8	0054	477	DC	AL2(N00054)
000036		478	DC	XL2'0054'
0025DA	29B6	479	EQN00054 EQU	0054
0025DC	0055	480	DC	AL2(N00055)
000037		481	DC	XL2'0055'
0025DE	29BA	482	EQN00055 EQU	0055
0025E0	0056	483	DC	AL2(N00056)
000038		484	DC	XL2'0056'
0025E2	29BE	485	EQN00056 EQU	0056
0025E4	0057	486	DC	AL2(N00057)
000039		487	DC	XL2'0057'
0025E6	29C2	488	EQN00057 EQU	0057
0025E8	0058	489	DC	AL2(N00058)
00003A		490	DC	XL2'0058'
0025EA	29C6	491	EQN00058 EQU	0058
0025EC	0059	492	DC	AL2(N00059)
00003B		493	DC	XL2'0059'
0025EE	29CA	494	EQN00059 EQU	0059
0025F0	0060	495	DC	AL2(N00060)
00003C		496	DC	XL2'0060'
0025F2	29CE	497	EQN00060 EQU	0060
0025F4	0061	498	DC	AL2(N00061)
00003D		499	DC	XL2'0061'
0025F6	29D2	500	EQN00061 EQU	0061
0025F8	0062	501	DC	AL2(N00062)
00003E		502	DC	XL2'0062'
0025FA	29D6	503	EQN00062 EQU	0062
0025FC	0063	504	DC	AL2(N00063)
00003F		505	DC	XL2'0063'
0025FE	29EA	506	EQN00063 EQU	0063
002600	0064	507	DC	AL2(N00064)
000040		508	DC	XL2'0064'
002602	29FE	509	EQN00064 EQU	0064
002604	0065	510	DC	AL2(N00065)
000041		511	DC	XL2'0065'
002606	2A12	512	EQN00065 EQU	0065
002608	0066	513	DC	AL2(N00066)
000042		514	DC	XL2'0066'
00260A	2A16	515	EQN00066 EQU	0066
00260C	0067	516	DC	AL2(N00067)
000043		517	DC	XL2'0067'
00260E	2A1A	518	EQN00067 EQU	0067
002610	0068	519	DC	AL2(N00068)
000044		520	DC	XL2'0068'
002612	2A1E	521	EQN00068 EQU	0068
002614	0069	522	DC	AL2(N00069)
000045		523	DC	XL2'0069'
002616	2A22	524	EQN00069 EQU	0069
002618	0070	525	DC	AL2(N00070)
000046		526	DC	XL2'0070'
00261A	2A36	527	EQN00070 EQU	0070
00261C	0071	528	DC	AL2(N00071)
000047		529	DC	XL2'0071'
00261E	2A4A	530	EQN00071 EQU	0071
002620	0072	531	DC	AL2(N00072)
000048		532	DC	XL2'0072'
002622	2A4E	533	EQN00072 EQU	0072
002624	0073	534	DC	AL2(N00073)
000049		535	DC	XL2'0073'
002626	2A52	536	EQN00073 EQU	0073
002628	0074	537	DC	AL2(N00074)
		538	DC	XL2'0074'

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
00004A		539	EQN00074 EQU 0074
00262A	2A5E	540	DC AL2(N00075)
00262C	0075	541	DC XL2'0075'
00004B		542	EQN00075 EQU 0075
00262E	2A62	543	DC AL2(N00076)
002630	0076	544	DC XL2'0076'
00004C		545	EQN00076 EQU 0076
002632	2A66	546	DC AL2(N00077)
002634	0077	547	DC XL2'0077'
002636	2A6A	548	DC AL2(N00078)
002638	0078	549	DC XL2'0078'
00004E		550	EQN00078 EQU 0078
00263A	2A6E	551	DC AL2(N00079)
00263C	0079	552	DC XL2'0079'
00004F		553	EQN00079 EQU 0079
00263E	2A72	554	DC AL2(N00080)
002640	0080	555	DC XL2'0080'
000050		556	EQN00080 EQU 0080
002642	2A76	557	DC AL2(N00081)
002644	0081	558	DC XL2'0081'
000051		559	EQN00081 EQU 0081
002646	2A7A	560	DC AL2(N00082)
002648	0082	561	DC XL2'0082'
000052		562	EQN00082 EQU 0082
00264A	2A8E	563	DC AL2(N00083)
00264C	0083	564	DC XL2'0083'
000053		565	EQN00083 EQU 0083
00264E	2A92	566	DC AL2(N00084)
002650	0084	567	DC XL2'0084'
000054		568	EQN00084 EQU 0084
002652	2AB6	569	DC AL2(N00085)
002654	0085	570	DC XL2'0085'
000055		571	EQN00085 EQU 0085
002656	2ACA	572	DC AL2(N00086)
002658	0086	573	DC XL2'0086'
000056		574	EQN00086 EQU 0086
00265A	2ACE	575	DC AL2(N00087)
00265C	0087	576	DC XL2'0087'
000057		577	EQN00087 EQU 0087
00265E	2AD2	578	DC AL2(N00088)
002660	0088	579	DC XL2'0088'
000058		580	EQN00088 EQU 0088
002662	2AD6	581	DC AL2(N00089)
002664	0089	582	DC XL2'0089'
000059		583	EQN00089 EQU 0089
002666	2ADA	584	DC AL2(N00090)
002668	0090	585	DC XL2'0090'
00005A		586	EQN00090 EQU 0090
00266A	2ADE	587	DC AL2(N00091)
00266C	0091	588	DC XL2'0091'
00005B		589	EQN00091 EQU 0091
00266E	2AE2	590	DC AL2(N00092)
002670	0092	591	DC XL2'0092'
00005C		592	EQN00092 EQU 0092
002672	2AE6	593	DC AL2(N00093)
002674	0093	594	DC XL2'0093'
00005D		595	EQN00093 EQU 0093
002676	2AEA	596	DC AL2(N00094)
002678	0094	597	DC XL2'0094'
00005E		598	EQN00094 EQU 0094
00267A	2AEE	599	DC AL2(N00095)
00267C	0095	600	DC XL2'0095'
00005F		601	EQN00095 EQU 0095
00267E	2AF2	602	DC AL2(N00096)
002680	0096	603	DC XL2'0096'
000060		604	EQN00096 EQU 0096
002682	2B06	605	DC AL2(N00097)
002684	0097	606	DC XL2'0097'
000061		607	EQN00097 EQU 0097
002686	2B1A	608	DC AL2(N00098)
002688	0098	609	DC XL2'0098'
000062		610	EQN00098 EQU 0098
00268A	2B2E	611	DC AL2(N00099)
00268C	0099	612	DC XL2'0099'
000063		613	EQN00099 EQU 0099
00268E	2B42	614	DC AL2(N00100)
002690	0100	615	DC XL2'0100'
000064		616	EQN00100 EQU 0100
002692	2B46	617	DC AL2(N00101)
002694	0101	618	DC XL2'0101'
000065		619	EQN00101 EQU 0101
002696	2B5A	620	DC AL2(N00102)
002698	0102	621	DC XL2'0102'
000066		622	EQN00102 EQU 0102
00269A	2B5E	623	DC AL2(N00103)
00269C	0103	624	DC XL2'0103'
000067		625	EQN00103 EQU 0103
00269E	2B6A	626	DC AL2(N00104)
0026A0	0104	627	DC XL2'0104'
000068		628	EQN00104 EQU 0104
0026A2	2B6E	629	DC AL2(N00105)
0026A4	0105	630	DC XL2'0105'
000069		631	EQN00105 EQU 0105
0026A6	2B72	632	DC AL2(N00106)
0026A8	0106	633	DC XL2'0106'
00006A		634	EQN00106 EQU 0106
0026AA	2B76	635	DC AL2(N00107)
0026AC	0107	636	DC XL2'0107'
00006B		637	EQN00107 EQU 0107
0026AE	2B7A	638	DC AL2(N00108)
0026B0	0108	639	DC XL2'0108'
00006C		640	EQN00108 EQU 0108
0026B2	2B7E	641	DC AL2(N00109)
0026B4	0109	642	DC XL2'0109'
00006D		643	EQN00109 EQU 0109
0026B6	2B92	644	DC AL2(N00110)
0026B8	0110	645	DC XL2'0110'
00006E		646	EQN00110 EQU 0110
0026BA	2B96	647	DC AL2(N00111)
0026BC	0111	648	DC XL2'0111'
00006F		649	EQN00111 EQU 0111
0026BE	2B9A	650	DC AL2(N00112)
0026C0	0112	651	DC XL2'0112'
		652	DC

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
000070		653	EQN00112 EQU 0112
0026C2	2BAE	654	DC AL2(N00113)
0026C4	0113	655	DC XL2'0113'
000071		656	EQN00113 EQU 0113
0026C6	2BB2	657	DC AL2(N00114)
0026C8	0114	658	DC XL2'0114'
000072		659	EQN00114 EQU 0114
0026CA	2BBE	660	DC AL2(N00115)
0026CC	0115	661	DC XL2'0115'
000073		662	EQN00115 EQU 0115
0026CE	2BC2	663	DC AL2(N00116)
0026D0	0116	664	DC XL2'0116'
000074		665	EQN00116 EQU 0116
0026D2	2BC6	666	DC AL2(N00117)
0026D4	0117	667	DC XL2'0117'
000075		668	EQN00117 EQU 0117
0026D6	2EDA	669	DC AL2(N00118)
0026D8	0118	670	DC XL2'0118'
000076		671	EQN00118 EQU 0118
0026DA	2BEE	672	DC AL2(N00119)
0026DC	0119	673	DC XL2'0119'
000077		674	EQN00119 EQU 0119
0026DE	2BF2	675	DC AL2(N00120)
0026E0	0120	676	DC XL2'0120'
000078		677	EQN00120 EQU 0120
0026E2	2BFE	678	DC AL2(N00121)
0026E4	0121	679	DC XL2'0121'
000079		680	EQN00121 EQU 0121
0026E6	2C02	681	DC AL2(N00122)
0026E8	0122	682	DC XL2'0122'
00007A		683	EQN00122 EQU 0122
0026EA	2C06	684	DC AL2(N00123)
0026EC	0123	685	DC XL2'0123'
00007B		686	EQN00123 EQU 0123
0026EE	2C1A	687	DC AL2(N00124)
0026F0	0124	688	DC XL2'0124'
00007C		689	EQN00124 EQU 0124
0026F2	2C2E	690	DC AL2(N00125)
0026F4	0125	691	DC XL2'0125'
00007D		692	EQN00125 EQU 0125
0026F6	2C32	693	DC AL2(N00126)
0026F8	0126	694	DC XL2'0126'
00007E		695	EQN00126 EQU 0126
0026FA	2C36	696	DC AL2(N00127)
0026FC	0127	697	DC XL2'0127'
00007F		698	EQN00127 EQU 0127
0026FE	2C3A	699	DC AL2(N00128)
002700	0128	700	DC XL2'0128'
000080		701	EQN00128 EQU 0128
002702	2C4E	702	DC AL2(N00129)
002704	0129	703	DC XL2'0129'
000081		704	EQN00129 EQU 0129
002706	2C62	705	DC AL2(N00130)
002708	0130	706	DC XL2'0130'
000082		707	EQN00130 EQU 0130
00270A	2C76	708	DC AL2(N00131)
00270C	0131	709	DC XL2'0131'
000083		710	EQN00131 EQU 0131
00270E	2C8A	711	DC AL2(N00132)
002710	0132	712	DC XL2'0132'
000084		713	EQN00132 EQU 0132
002712	2C8E	714	DC AL2(N00133)
002714	0133	715	DC XL2'0133'
000085		716	EQN00133 EQU 0133
002716	2C92	717	DC AL2(N00134)
002718	0134	718	DC XL2'0134'
000086		719	EQN00134 EQU 0134
00271A	2C96	720	DC AL2(N00135)
00271C	0135	721	DC XL2'0135'
000087		722	EQN00135 EQU 0135
00271E	2C9A	723	DC AL2(N00136)
002720	0136	724	DC XL2'0136'
000088		725	EQN00136 EQU 0136
002722	2C9E	726	DC AL2(N00137)
002724	0137	727	DC XL2'0137'
000089		728	EQN00137 EQU 0137
002726	2CA2	729	DC AL2(N00138)
002728	0138	730	DC XL2'0138'
00008A		731	EQN00138 EQU 0138
00272A	2CA6	732	DC AL2(N00139)
00272C	0139	733	DC XL2'0139'
00008B		734	EQN00139 EQU 0139
00272E	2CAA	735	DC AL2(N00140)
002730	0140	736	DC XL2'0140'
00008C		737	EQN00140 EQU 0140
002732	2CAE	738	DC AL2(N00141)
002734	0141	739	DC XL2'0141'
00008D		740	EQN00141 EQU 0141
002736	2CC2	741	DC AL2(N00142)
002738	0142	742	DC XL2'0142'
00008E		743	EQN00142 EQU 0142
00273A	2CC6	744	DC AL2(N00143)
00273C	0143	745	DC XL2'0143'
00008F		746	EQN00143 EQU 0143
00273E	2CCA	747	DC AL2(N00144)
002740	0144	748	DC XL2'0144'
000090		749	EQN00144 EQU 0144
002742	2CCE	750	DC AL2(N00145)
002744	0145	751	DC XL2'0145'
000091		752	EQN00145 EQU 0145
002746	2CD2	753	DC AL2(N00146)
002748	0146	754	DC XL2'0146'
000092		755	EQN00146 EQU 0146
00274A	2CE6	756	DC AL2(N00147)
00274C	0147	757	DC XL2'0147'
000093		758	EQN00147 EQU 0147
00274E	2CFA	759	DC AL2(N00148)
002750	0148	760	DC XL2'0148'
000094		761	EQN00148 EQU 0148
002752	2CFE	762	DC AL2(N00149)
002754	0149	763	DC XL2'0149'
000095		764	EQN00149 EQU 0149
002756	2D12	765	DC AL2(N00150)
002758	0150	766	DC XL2'0150'

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000096 767 EQN00150 EQU 0150
00275A 768 DC AL2(N00151)
00275C 769 DC XL2'0151'
000097 770 EQN00151 EQU 0151
00275E 771 DC AL2(N00152)
002760 772 DC XL2'0152'
000098 773 EQN00152 EQU 0152
002762 774 DC AL2(N00153)
002764 775 DC XL2'0153'
000099 776 EQN00153 EQU 0153
002766 777 DC AL2(N00154)
002768 778 DC XL2'0154'
00009A 779 EQN00154 EQU 0154
00276A 780 DC AL2(N00155)
00276C 781 DC XL2'0155'
00009B 782 EQN00155 EQU 0155
00276E 783 DC AL2(N00156)
002770 784 DC XL2'0156'
00009C 785 EQN00156 EQU 0156
002772 786 DC AL2(N00157)
002774 787 DC XL2'0157'
00009D 788 EQN00157 EQU 0157
002776 789 DC AL2(N00158)
002778 790 DC XL2'0158'
00009E 791 EQN00158 EQU 0158
00277A 792 DC AL2(N00159)
00277C 793 DC XL2'0159'
00009F 794 EQN00159 EQU 0159
00277E 795 DC AL2(DUHHY)
796 *****
797 *****
798 **
799 **
800 **
801 *****
802 *****
803 N00001 $QUES QT=(Q00135),YES=N00003,CT=(C00119,C00088),ST=(S00137,)
804+N00001 DC A(@QUES)
805+ DC AL2(N00003)
806 N00002 $FIXT FT=(F00172)
807+N00002 DC A(@FIXT)
808+ DC A(F00172)
809 N00003 $INPT DT=A-EBC,FIELD=PARM,LNG=03,LOW=000000,HIGH=FFFFFF,X
810+N00003 DC A(@INPT)
811+ DC AL2(EBC)
812+ DC AL2(N00005)
813+ DC AL2(PARM)
814+ DC AL2(03)
815+ DC X'000000'
816+ ALIGN WORD
817+ DC X'FFFFFF'
818+ ALIGN WORD
819 N00004 $GOTO TYPE=INTRNL,EP=A,FT=(F00198),GTO=(N00001)
820+N00004 DC A(@GOTO)
821+ DC A(F00198)
822+ DC CL4'3C00'
823+ DC CL2'A'
824+ DC AL2(INTRNL)
825 N00005 $TUXX T3C02,4,00000002,ON,QT=(Q00004),YES=N00159
826+N00005 DC A(@TUXX)
827+ DC AL2(N00159)
828+ DC A(T7876)
829+ DC AL2(ON)
830+ DC AL2(4)
831+ DC X'00000000'
832+ ALIGN WORD
833+ DC AL2(0)
834+ DC C'AA'
835+ ALIGN WORD
836+ DC AL2(PARMARA)
837 N00006 $TUXX T3C02,4,00400000,ON,QT=(Q00012),YES=N00082,ST=(S00094)
838+N00006 DC A(@TUXX)
839+ DC AL2(N00082)
840+ DC A(T3C02)
841+ DC AL2(ON)
842+ DC AL2(4)
843+ DC X'00400000'
844+ ALIGN WORD
845+ DC AL2(0)
846+ DC C'AA'
847+ ALIGN WORD
848+ DC AL2(PARMARA)
849 N00007 $TUXX T3C02,4,00000040,ON,QT=(Q00011),YES=N00041,ST=(S00094)
850+N00007 DC A(@TUXX)
851+ DC AL2(N00041)
852+ DC A(T3C02)
853+ DC AL2(ON)
854+ DC AL2(4)
855+ DC X'00000040'
856+ ALIGN WORD
857+ DC AL2(0)
858+ DC C'AA'
859+ ALIGN WORD
860+ DC AL2(PARMARA)
861 N00008 $TUXX T3C02,4,02000000,ON,QT=(Q00008),YES=N00026,ST=(S00094)
862+N00008 DC A(@TUXX)
863+ DC AL2(N00026)
864+ DC A(T3C02)
865+ DC AL2(ON)
866+ DC AL2(4)
867+ DC X'02000000'
868+ ALIGN WORD
869+ DC AL2(0)
870+ DC C'AA'
871+ ALIGN WORD
872+ DC AL2(PARMARA)
873 N00009 $TUXX T3C02,4,00040000,ON,QT=(Q00006),YES=N00017,ST=(S00094)
874+N00009 DC A(@TUXX)
875+ DC AL2(N00017)
876+ DC A(T3C02)
877+ DC AL2(ON)
878+ DC AL2(4)
879+ DC X'00040000'
880+ ALIGN WORD

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002804 881+ DC AL2(0)
002806 882+ DC C'AA'
883+ ALIGN WORD
884+ DC AL2(PARMARA)
002808 885+N00010 $TUXX T3C02,4,01000000,ON,QT=(Q00017),YES=N00016,ST=(S00094)
886+N00010 DC A(@TUXX)
887+ DC AL2(N00016)
00280E 888+ DC A(T3C02)
00280C 889+ DC AL2(ON)
00280E 890+ DC AL2(4)
002812 891+ DC X'01000000'
002814 892+ DC AL2(PARMARA)
893+ ALIGN WORD
894+ DC AL2(0)
895+ DC C'AA'
896+ ALIGN WORD
897+ DC AL2(PARMARA)
00281C 898+N00011 $TUXX T3C02,4,00000004,ON,QT=(Q00005),YES=N00015,ST=(S00094)
899+N00011 DC A(@TUXX)
900+ DC AL2(N00015)
00281E 901+ DC A(T3C02)
002820 902+ DC AL2(ON)
002822 903+ DC AL2(4)
002824 904+ DC X'00000004'
002826 905+ DC AL2(PARMARA)
002828 906+N00012 $TUXX T3C02,4,00000004,ON,QT=(Q00005),YES=N00015,ST=(S00094)
907+N00012 DC A(@TUXX)
908+ DC AL2(N00012)
002830 909+ DC A(T3C02)
002832 910+N00012 $TUXX T3C02,4,00000004,ON,QT=(Q00005),YES=N00015,ST=(S00094)
002834 911+ DC AL2(ON)
912+ DC AL2(4)
913+N00013 $GOTO TYPE=INTRNL,EP=B,FT=(F00224),GTO=(N00012)
002836 914+ DC A(@GOTO)
002838 915+ DC A(F00224)
00283A 916+ DC CL4'3C00'
00283E 917+ DC CL2'B'
002840 918+N00014 $STOP FT=(F00720)
002842 919+N00014 DC A(@STOP)
920+ DC A(F00720)
002844 921+N00015 $FIXT FT=(F00024),CT=(C00089),ST=(S00031)
002846 922+N00015 DC A(@FIXT)
002848 923+ DC A(F00024)
924+N00016 $FIXT FT=(F00021),CT=(C00089)
00284A 925+N00016 DC A(@FIXT)
00284C 926+ DC A(F00021)
927+N00017 $TUXX T3C02,4,01000000,ON,QT=(Q00017),YES=N00025,ST=(S00094)
00284E 928+N00017 DC A(@TUXX)
002850 929+ DC AL2(N00025)
002852 930+ DC A(T3C02)
002854 931+ DC AL2(ON)
002856 932+ DC AL2(4)
002858 933+ DC X'01000000'
934+ ALIGN WORD
935+ DC AL2(0)
00285C 936+ DC C'AA'
00285E 937+ ALIGN WORD
938+ DC AL2(PARMARA)
939+N00018 $TUXX T3C02,4,00100000,ON,QT=(Q00019),YES=N00024,ST=(S00094)
002860 940+N00018 DC A(@TUXX)
002862 941+ DC AL2(N00024)
002864 942+ DC A(T3C02)
002866 943+ DC AL2(ON)
002868 944+ DC AL2(4)
00286C 945+ DC X'00100000'
946+ ALIGN WORD
947+ DC AL2(0)
002870 948+ DC C'AA'
002872 949+ ALIGN WORD
950+ DC AL2(PARMARA)
951+N00019 $QUES QT=(Q00239),YES=N00023,CT=(C00241)
002874 952+N00019 DC A(@QUES)
953+ DC AL2(N00023)
002876 954+N00020 $QUES QT=(Q00029),YES=N00022,CT=(C00245)
002878 955+N00020 DC A(@QUES)
956+ DC AL2(N00022)
957+ DC A(T3C02)
00287A 958+N00021 $GOTO TYPE=INTRNL,EP=H,FT=(F00250),GTO=(N00020)
00287C 959+ DC A(@GOTO)
960+ DC A(F00250)
961+ DC CL4'3C00'
962+ DC CL2'H'
963+N00022 $STOP FT=(F00732)
00288A 964+N00022 DC A(@STOP)
00288C 965+ DC A(F00732)
966+N00023 $FIXT FT=(F00252)
00288E 967+N00023 DC A(@FIXT)
002890 968+ DC A(F00252)
969+N00024 $FIXT FT=(F00021),CT=(C00089)
002892 970+N00024 DC A(@FIXT)
002894 971+ DC A(F00021)
972+N00025 $FIXT FT=(F00021),CT=(C00089)
002896 973+N00025 DC A(@FIXT)
002898 974+ DC A(F00021)
975+N00026 $TUXX T3C02,4,00100000,ON,QT=(Q00019),YES=N00034,ST=(S00094)
00289A 976+N00026 DC A(@TUXX)
00289C 977+ DC AL2(N00034)
00289E 978+ DC A(T3C02)
0028A0 979+ DC AL2(ON)
0028A2 980+ DC AL2(4)
0028A4 981+ DC X'01000000'
982+ ALIGN WORD
983+ DC AL2(0)
0028A8 984+ DC C'AA'
0028AA 985+ ALIGN WORD
0028AC 986+ DC AL2(PARMARA)
987+N00027 $TUXX T3C02,4,04000000,ON,QT=(Q00010),YES=N00033,ST=(S00094)
0028AE 988+N00027 DC A(@TUXX)
0028B0 989+ DC AL2(N00033)
0028B2 990+ DC A(T3C02)
0028B4 991+ DC AL2(ON)
0028B6 992+ DC AL2(4)
0028B8 993+ DC X'04000000'
994+ ALIGN WORD

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0028BC 0000 995+ DC AL2(0)
0028BE C1C1 996+ DC C'AA'
0028C0 196E 997+ ALIGN WORD
998+ DC AL2(PARMARA)
999 N00028 STUXX T3C02,4,00040000,ON,QT=(Q00006),YES=N00032,ST=(S00094)
1000+N00028 DC A(@TUXX)
1001+ DC AL2(N00032)
1002+ DC A(T3C02)
1003+ DC AL2(ON)
1004+ DC AL2(4)
1005+ DC X'00040000'

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
002972 0004 1109+ DC AL2(4)
002974 00100000 1110+ X'00100000'
002978 0000 1111+ ALIGN WORD
00297A C1C1 1112+ DC AL2(0)
1113+ DC C'AA'
1114+ ALIGN WORD
1115+ DC AL2(PARMARA)
00297C 196E 1116 N00045 STUXX T3C02,4,00000004,ON,QT=(Q00005),YES=N00047,ST=(S00094)
1117+N00045 DC A(@TUXX)
00297E 0500 1118+ DC AL2(N00047)
002980 2996 1119+ DC A(T3C02)
002982 384A 1120+ DC AL2(ON)
002984 0200 1121+ DC AL2(4)
002986 0004 1122+ DC X'00000004'

LOCTR ORJECT TEXT STMT SOURCE STATEMENT DC A(F00418) \$FIXT FT=(F00422),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00422) \$TUXX T3C02,4,02000000,ON,QT=(Q00008),YES=N00076,ST=(S00094) DC A(@TUXX) DC AL2(N00076) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'02000000' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$TUXX T3C02,4,00000020,ON,QT=(Q00013),YES=N00073,ST=(S00094) DC A(@TUXX) DC AL2(N00073) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'00000020' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$FIXT FT=(F00024),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00024) \$QUES QT=(Q00029),YES=N00075,CT=(C00436) DC A(@QUES) DC AL2(N00075) \$GOTO TYPE=INTRNL,EP=D,FT=(F00440),GTO=(N00073) DC A(@GOTO) DC A(F00440) DC CL4'3C00' DC CL2'D' DC AL2(INTRNL) \$STOP FT=(F00724) DC A(@STOP) DC A(F00724) \$FIXT FT=(F00442),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00442) \$QUES QT=(Q00043),YES=N00081,CT=(C00447) DC A(@QUES) DC AL2(N00081) \$QUES QT=(Q00450),YES=N00080,CT=(C00451) DC A(@QUES) DC AL2(N00080) \$FIXT FT=(F00021),CT=(C00089) DC A(@FIXT) DC A(F00021) \$FIXT FT=(F00023),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00023) \$FIXT FT=(F00023),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00023) \$TUXX T3C02,4,00100000,ON,QT=(Q00019),YES=N00128,ST=(S00094) DC A(@TUXX) DC AL2(N00128) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'00100000' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$TUXX T3C02,4,04000000,ON,QT=(Q00010),YES=N00117,ST=(S00094) DC A(@TUXX) DC AL2(N00117) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'04000000' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$TUXX T3C02,4,01000000,ON,QT=(Q00017),YES=N00096,ST=(S00094) DC A(@TUXX) DC AL2(N00096) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'01000000' ALIGN WORD DC AL2(PARMARA) \$TUXX T3C02,4,00200000,ON,QT=(Q00014),YES=N00095,ST=(S00094) DC A(@TUXX) DC AL2(N00095) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'00200000' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$QUES QT=(Q00043),YES=N00094,CT=(C00474) DC A(@QUES) DC AL2(N00094) \$QUES QT=(Q00041),YES=N00089,CT=(C00478) DC A(@QUES)

LOCTR OBJECT TEXT STMT SOURCE STATEMENT DC AL2(N00089) \$FIXT FT=(F00021),CT=(C00089) DC A(@FIXT) DC A(F00021) \$QUES QT=(Q00042),YES=N00093,CT=(C00488) DC A(@QUES) DC AL2(N00093) \$QUES QT=(Q00490),YES=N00092,CT=(C00492) DC A(@QUES) DC AL2(N00092) \$FIXT FT=(F00025),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00025) \$FIXT FT=(F00498),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00498) DC A(F00498) \$FIXT FT=(F00021),CT=(C00089) DC A(@FIXT) DC A(F00021) \$FIXT FT=(F00025),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00025) \$FIXT FT=(F00505),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00505) DC A(F00505) \$TUXX T3C02,4,00000400,ON,QT=(Q00009),YES=N00112,ST=(S00094) DC A(@TUXX) DC AL2(N00112) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'00000400' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$TUXX T3C02,4,00000004,ON,QT=(Q00005),YES=N00109,ST=(S00094) DC A(@TUXX) DC AL2(N00109) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'00000004' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$TUXX T3C02,4,02000000,ON,QT=(Q00008),YES=N00106,ST=(S00094) DC A(@TUXX) DC AL2(N00106) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'02000000' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$TUXX T3C02,4,00200000,ON,QT=(Q00014),YES=N00101,ST=(S00094) DC A(@TUXX) DC AL2(N00101) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'00200000' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$FIXT FT=(F00521) DC A(@FIXT) DC A(F00521) \$TUXX T3C02,4,00040000,ON,QT=(Q00006),YES=N00105,ST=(S00094) DC A(@TUXX) DC AL2(N00105) DC A(T3C02) DC AL2(ON) DC AL2(4) DC X'00040000' ALIGN WORD DC AL2(0) DC C'AA' ALIGN WORD DC AL2(PARMARA) \$FIXT FT=(F00521) DC A(@FIXT) DC A(F00521) \$STOP FT=(F00726) DC A(@STOP) DC A(F00726) \$FIXT FT=(F00025),CT=(C00089),ST=(S00031) DC A(@FIXT) DC A(F00025) \$QUES QT=(Q00536),YES=N00108,CT=(C00537) DC A(@QUES) DC AL2(N00108) \$FIXT FT=(F00053),CT=(C00089) DC A(@FIXT) DC A(F00053) DC A(F00053) \$FIXT FT=(F00543),CT=(C00089) DC A(@FIXT) DC A(F00543) \$TUXX T3C02,4,00000010,ON,QT=(Q00018),YES=N00111,ST=(S00094) DC A(@TUXX)

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
002CE8 2CFE 1679+ DC AL2(N00149)
002CEA 384A 1680+ DC A(T3C02)
002CEC 0200 1681+ DC AL2(ON)
002CEE 0004 1682+ DC AL2(4)
002CF0 01000000 1683+ DC X'01000000'

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
1793 **
1794 *****
1795 *****
1796 F00172 EQU *
002D86 0001 1797 DC AL2(0001)
002D88 0004 1798 DC A(0004)
002D8A E2E3D6D7 1799 DC CL0004'STOP'

Table with columns: LOCTR, OBJECT TEXT, SMT, SOURCE STATEMENT, and a blank column. Rows contain assembly instructions and component descriptions.

Table with columns: LOCTR, OBJECT TEXT, SMT, SOURCE STATEMENT, and a blank column. Includes assembly instructions and a hex dump at the bottom.

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
00002A 2137+CE EQU 42 10 2 CYCLE STEAL STATUS INERFPUPY EPFOR
00002B 2138+ISBON EQU 43 11 1 ISE BITS ON (1-7)
00002C 2139+NG EQU 44 12 8 TEST UNIT RESULTS NO GOOD
00002D 2140+IOCC EQU 45 13 4 OIO CC EPFOR
00002E 2141+NOTN EQU 46 14 2 NO INTRFRUPT
00002F 2142+INCC EQU 47 15 1 INTERRUPT CC ERROR
2143+*
2144+* COMMON BUFFER FOR PRINTING DATA
2145+*
2147+STUID DC A(*-*) TEST UNIT IDENTIFICATION
2148+STOIN DC A(*-*) I/O AND INTP CONDITION CODES
2149+SISB DC A(*-*) R7, INTR STATUS BYTE & DEV ADPS
2150+LSTIO DC A(*-*) ADRS OF LAST I/O + 4 BYTES
2151+DEV1 DC A(*-*) DEVICE DEPENDENT DATA
2152+DEV2 DC A(*-*)
2153+DEV3 DC A(*-*)
2154+DEV4 DC A(*-*)
2155+SCTID EQU * DEV1 READ ID BUFFER FOR IBIS & TERN
2156+DCBUF EQU * DCB BUFFER FOR LAST DCB USED
2157+DCB1 DC A(*-*) LAST DCB TABLE, CONTROL WORD
2158+DCB2 DC A(*-*) LAST DCB TABLE, DEV DEP WORD
2159+DCB3 DC A(*-*) LAST DCB TABLE, DEV DEP WORD
2160+DCB4 DC A(*-*) LAST DCB TABLE, DEV DEP WORD
2161+DCB5 DC A(*-*) LAST DCB TABLE, DEV DEP WORD
2162+DCB6 DC A(*-*) LAST DCB TABLE, CHAIN ADPS
2163+DCB7 DC A(*-*) LAST DCB TABLE, BYTE COUNT
2164+DCB8 DC A(*-*) LAST DCB TABLE, BUFFEP ADDRESS
2165+*
2166+CSBUF EQU * CYCLE STEAL DATA BUFFER
2167+CSTL1 DC A(*-*) CYCLE STEAL BUFFER, RESIDUAL ADRS
2168+CSTL2 DC A(*-*) CYCLE STEAL WD 2, DEVICE DEPEND
2169+CSTL3 DC A(*-*) CYCLE STEAL WD 3, DEVICE DEPEND
2170+CSTL4 DC A(*-*) CYCLE STEAL WD 4, DEVICE DEPEND
2171+CSTL5 DC A(*-*) CYCLE STEAL WD 5, DEVICE DEPEND
2172+CSTL6 DC A(*-*) CYCLE STEAL WD 6, DEVICE DEPEND
2173+CSTL7 DC A(*-*) CYCLE STEAL WD 7, DEVICE DEPEND
2174+CSTL8 DC A(*-*) CYCLE STEAL WD 8, DEVICE DEPEND
2175+*
2176+\$SUBN DC A(*-*) LAST SUBROUTINE ADDRESS USED
2177+\$DATA DC 2A(*-*) OPTIONAL DATA
2178+\$INTL DC X'0021' INTERRUPT LEVEL REQUESTED
2179+\$URTN DC A(*-*) TEST UNIT RETURN ADRS TO MDI
2180+\$WVID DC X'00B2' DEVICE ID
2181+\$VVAL DC A(DEVADD) ADRS OF DEVICE ADDRESS
2182+ DC A(*-*) IBIS CYLINDER ADDRESS
2183+*
2184+* THIS TEST UNIT WILL RETURN TO MDI WITHOUT DOING ANY PPOFAM
2185+* FUNCTION. THE RESULTS THAT WERE SET UP IN THE RESULTS AREA ARE
2186+* STILL VALID BUT A DIFFERENT TEST IS TO BE PERFORMED.
2187+*
2188+T3C02 MVWI X'3C02',STUID SET UP TEST UNIT ID
2189+ BXS (R7) RETURN TO MDI SUPVR
2191 *****
2192 *****
2193 *****
2194 *****
2195 *****
2196 *****
2197 *****
2198 *****
2199 *****
2200 *****
2201 *****
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2239 *****
2240 *****
2241 *****
2242 *****
2243 *****
2244 *****
2245 *****
2246 *****
2247 *****
2248 *****
2249 *****
2250 *****
2251 *****
2252 *****
2253 *****
2254 *****

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
000020 2255 THRY2 EQU 32 32
000040 2256 SIXT4 EQU 64 64
000080 2257 ONE28 EQU 128 128
000100 2258 TWO56 EQU 256 256
000400 2259 ONEK EQU 1024 1024
000800 2260 TWOK EQU 2048 2048
000C00 2261 THREK EQU 3072 3072
001000 2262 FOURK EQU 4096 4096
2263 N1 EQU -1 -1
2264 N2 EQU -2 -2
2265 N3 EQU -3 -3
2266 N4 EQU -4 -4
2267 *****
2270 *****
2271 *****
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2370 *****
2371 *****

12/01/76

PROGRAM MONITOPS THE FOLLOWING INTERFACE LINES AND PASSES
THE RESULTS BACK TO BE USED BY THE MDI SUPEFVISOR.
+PLO OUT OF SYNC
-GUARD BAND
-SELECT OUT DPIVE
-SELECT IN DRIVE
-LINEAR REGION
SECTOR PULSES
INDEX PULSES
INPUT FROM CE FROM PREVIOUS REQUEST
+ IF WRITE CLOCK
+ TOO FAST
-VFL
PROGRAM PASSES STATUS OF ALL LINES IN FOLLOWING FORMAT:
STEADY STATE OF LINE IS IN 'TURESUL'
1 = LINE UP, 0 = LINE DOWN OR LINE PULSING
NOTE: NORMAL RESULTS=0460 0002 0000
TURESUL BIT 0-----NOT USED
TURESUL BIT 1-----NOT USED
TURESUL BIT 2-----NOT USED
TURESUL BIT 3-----NOT USED
TURESUL BIT 4-----NOT USED
TURESUL BIT 5-----GUARD BAND
TURESUL BIT 6-----+PLO OUT OF SYNC
TURESUL BIT 7-----VFL
TURESUL BIT 8-----NOT USED
TURESUL BIT 9-----SELECT OUT DRIVE
TURESUL BIT 10-----SELECT IN DRIVE
TURESUL BIT 11-----+ TOO FAST
TURESUL BIT 12-----NOT USED
TURESUL BIT 13-----LINEAR REGION
TURESUL BIT 14-----SECTOR PULSES
TURESUL BIT 15-----+IF WRITE CLOCK
PULSING STATUS OF LINE IS IN TURESUL+2
1 = PULSING, 0 = NOT PULSING
TURESUL+2 BIT 16-----NOT USED
TURESUL+2 BIT 17-----NOT USED
TURESUL+2 BIT 18-----NOT USED
TURESUL+2 BIT 19-----NOT USED
TURESUL+2 BIT 20-----NOT USED
TURESUL+2 BIT 21-----GUARD BAND
TURESUL+2 BIT 22-----+PLO OUT OF SYNC
TURESUL+2 BIT 23-----VFL
TURESUL+2 BIT 24-----NOT USED
TURESUL+2 BIT 25-----SELECT OUT DRIVE
TURESUL+2 BIT 26-----SELECT IN DRIVE
TURESUL+2 BIT 27-----+ TOO FAST
TURESUL+2 BIT 28-----NOT USED
TURESUL+2 BIT 29-----LINEAR REGION
TURESUL+2 BIT 30-----SECTOR PULSES
TURESUL+2 BIT 31-----+ IF WRITE CLOCK
TURESUL+4 BIT 32-----SPEFD IS TOO SLOW
TURESUL+4 BIT 33-----NOT USED
TURESUL+4 BIT 34-----NOT USED
TURESUL+4 BIT 35-----NOT USED
TURESUL+4 BIT 36-----NOT USED
TURESUL+4 BIT 37-----NOT USED
TURESUL+4 BIT 38-----SECT & INDEX NOT IN CORRECT SEQ
TURESUL+4 BIT 39-----NOT USED
TURESUL+4 BIT 40-----NOT USED
TURESUL+4 BIT 41-----NOT USED
TURESUL+4 BIT 42-----NOT USED
TURESUL+4 BIT 43-----INDEX PULSE NOT PULSING
TURESUL+4 BIT 44-----NOT USED


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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
2601 * BIT 15 - RESET DIAGNOSTIC MODE
2602 *
2603 *****
2604 *
003A3E 6E0D 3810 WRAP MVW R6, LSTIO SAVE ADDRESS OF LAST IO
003A42 8028 19D0 3AC1 MVB DEVADD, IDCBRAP+1 LOAD DEVICE ADDRESS IN IDCB
003A48 680C 3AC0 IO IDCBFAP READ SENSE WORD 1
003A4C 6F05 3AA2 BNCC 7, CCERR CHECK COND CODE
003A50 5601 BXS (R6, 2) RETURN TO CALLER
2611 *
003A52 6E0D 3810 CEOP1 MVW R6, LSTIO SAVE ADDRESS OF LAST IO
003A56 8028 19D0 3AB9 MVB DEVADD, IDCBCE1+1 LOAD DEVICE ADDRESS IN IDCB
003A5C 680C 3AB8 IO IDCBCE1 SET DIAGNOSTIC MODE
003A60 6F05 3AA2 BNCC 7, CCERR CHECK COND CODE
003A64 5601 BXS (R6, 2) RETURN TO CALLER
2617 *
003A66 6E0D 3810 CEOP2 MVW R6, LSTIO SAVE ADDRESS OF LAST IO
003A6A 8028 19D0 3ABD MVB DEVADD, IDCBCE2+1 LOAD DEVICE ADDRESS IN IDCB
003A70 680C 3ABC IO IDCBCE2 WRITE DIAG CLOCK STEP
003A74 6F05 3AA2 BNCC 7, CCERR CHECK COND CODE
003A78 5601 BXS (R6, 2) RETURN TO CALLER
2623 *
003A7A 6E0D 3810 SENS1 MVW R6, LSTIO SAVE ADDRESS OF LAST IO
003A7E 8028 19D0 3AB5 MVB DEVADD, IDCB1+1 LOAD DEVICE ADDRESS IN IDCB
003A84 680C 3AB4 IO IDCB1 READ SENSE WORD 2
003A88 6F05 3AA2 BNCC 7, CCERR CHECK COND CODE
003A8C 5601 BXS (R6, 2) RETURN TO CALLER
2630 *
003A8E 6E0D 3810 SENSO MVW R6, LSTIO SAVE ADDRESS OF LAST IO
003A92 8028 19D0 3AB1 MVB DEVADD, IDCB0+1 LOAD DEVICE ADDRESS IN IDCB
003A98 680C 3AB0 IO IDCB0 READ SENSE WORD 1
003A9C 6F05 3AA2 BNCC 7, CCERR CHECK COND CODE
003AA0 5601 BXS (R6, 2) RETURN TO CALLER
2636 *
003AA2 706E CCERP DC X'706E' COPY STATUS ANY LEVEL INTO P3
003AA4 335A SRL 13, R3 POSITION CC CODE TO BITS 13-15
003AA6 C328 380C MVB R3, IOIIN * PUT IN LOG AREA
003AA8 68D2 0000 B (R6) * RETURN TO USER
2641 *
003AAE 6F05 IORST DC X'6F05' RESET IO
003AB0 2205 IDCB0 DC X'2205' SENSE WORD ZERO
003AB2 0000 RDATA0 DC A(*-*) DATA WORD
003AB4 2105 IDCB1 DC X'2105' SENSE WORD ONE
003AB6 0000 RDATA DC A(*-*)
003AB8 4005 IDCBCE1 DC X'4005' CE DIAG OP1
003ABA 0000 CEDAT DC A(*-*) SENSE DATA
003ABC 4105 IDCBCE2 DC X'4105' CE DIAG OP2
003ABE 0000 CEDAT2 DC A(*-*) SENSE DATA
003AC0 2F05 IDCBRAP DC X'2F05' READ DIAG WRAP
003AC2 0000 RRPDAT DC A(*-*) SENSE DATA
000232 CPUID EQU X'0232' CPU ID
2654 *
2656 COPY T78ER 01DEC76
2657 *
2658 * SUBROUTINE 7/12/76
2659 *
2660 * DISCONNECT THE INTERRUPT CONTROL BLOCK AND LOG ERRORS
2661 *
2662 * PURPOSE
2663 *
2664 * DISCONNECT THE INTERRUPT CONTROL BLOCK TO THIS DEVICE AND
2665 * SET THE 'NO GOOD' CONTROL BIT, THEN LOG THE DATA THAT HAS
2666 * BEEN FOUND TO HELP THE OPERATOR DEFINE THE ERROR CONDITION.
2667 *
2668 * CALLING SEQUENCE
2669 *
2670 * THIS SUBROUTINE HAS THE FOLLOWING ENTRIES:
2671 *
2672 * --> B $ERRS SET 'NG' BIT AND CONVERT DATA TO LOG
2673 * --> B $CONX RETURN TO MDI SUPERVISOR TO TEST STS
2674 *
2675 * RETURN CONTROL
2676 *
2677 * B TURTN* RETURN TO MDI
2678 * OR B (R6)* IF THE DEVICE COULD NOT BE CONNECTED
2679 *
2680 *****
003AC4 4020 1818 8000 $ERRS MVWI X'8000', TUSTATUS SET ON 'NO GOOD' STATUS BIT
003ACA 4724 3C2E MVA HEBLK, R7 GET ADRS OF CONTROL BLOCK
003ACE 601A SVC HTOE CONVERT HEX TO EBC VIS DCP
003AD0 0D03 $PRNT MVI 3, R5
003AD2 4324 181A MVA TWORK, R3 SET UP BUFFER STORAGE
003AD6 6B0D 3C26 MVB R3, BUFPT
003ADA 4124 3B56 MVA LINE1, R1
003AE0 0E08 MVI 4, R7
003AE2 2B24 MVI 8, R6
003AE4 0F04 MVBFP MFPN (R3), (R1)
003AE6 0A40 MVEI 4, R7
003AE8 C258 MVI X'40', R2
003AEA BEFB JCT MVBFP, R6
003AEC 0E08 MVI 8, R6
003AEE 7921 002C AWI 44, R1
003AF2 BDF7 JCT MVBFP, R5
003AF4 4020 1802 R1F0 MVI PIDMSG10, PID+2
003AF8 4020 19B8 3C2C MVA FAKETU, @DCRDD1
003B00 4020 19BA 3C28 MVA DC2PT, @DCRDD2
003B06 402C 19C4 0080 OWI BIT0080, SUPSTAT
003B0C 4324 181A MVA TWORK, R3 SET UP BUFFER STORAGE
003B10 6F13 18BA BAL TUMSGWR*, R7 GO TO MESSAGE WRITER
2704 *
003B14 C720 19D0 $CONX EQU *
003B18 6013 MVB DEVADD, R7 GET DEVICE ADDRESS FROM MDI
003B1A 6812 3842 SVC RICB RELEASE INTERRUPT CONTROL BLOCK
2709 *
003B1E 0007 BEGIN DC A(0007) NUMBER OF LINES TO PRINT
003B20 0008 DC A(0008) LINE LENGTH = 8 CHAR
003B22 5C5C40C1C2D6D9E3 DC C'***ABORT'
003B2A 0028 DC A(0040) LINE LENGTH = 40 CHAR
003B2C E3E4C9C440C9D6C9D DC C'TUID IOIN ISB INST DEV1 DEV2 DEV3 DEV4 '
003B54 0028 DC A(0040) LINE LENGTH = 40 CHAR

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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
003B56 4040404040404040 2716 LINE1 DC C'
003E7E 0028 2717 DC A(0040)
003B80 C3D5E3D340C4C3C2F 2718 DC C'CNTRL DCB2 DCB3 DCB4
003B88 0028 2719 DC DCB5 CHAD BYCT ADRS
003BAA 4040404040404040 2720 LINE2 DC C'
003BD2 0028 2721 DC A(0040)
003BD4 D9E2C9C440C3E260F 2722 DC C'RSID CS-2 CS-3 CS-4
003BFC 0028 2723 DC CS-5 CS-6 CS-7 CS-8
003BFE 4040404040404040 2724 LINE3 DC A(0040)
2725 *
003C26 0000 2726 BUFPT DC A(*-*)
003C28 3B1E 2727 DC2PT DC A(BEGIN)
003C2A 0101 2728 FIXTU DC X'0101'
003C2C 0000 2729 FAKETU DC A(*-*)
00F1F0 2730 PIDMSG10 EQU X'F1F0'
000080 2731 BIT0080 EQU X'0080'
2732 *
2733 * DATA CONTROL BLOCK FOR CONVERTING HEX TO EBCDIC
2734 *
003C2E 0030 2735 HEBLK DC A(48) NUMBER OF BYTES TO CONVERT
003C30 380A 2736 DC A($TUID) FROM ADRS
003C32 181A 2737 DC A(TUWORK) AND THE TO ADRS
2738 *
000000 2739 END

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CROSS-REFERENCE LISTING

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
0	.R0.	ABSOLUTE. HEX VALUE(00000000) 2542 2549
0	.R1.	ABSOLUTE. HEX VALUE(00000001) 2495 2496 2498 2503 2504 2508 2509 2514 2515 2517 2522 2523 2535 2536 2541 2544 2548 2551
0	.R2.	ABSOLUTE. HEX VALUE(00000002) 2385 2386 2387 2388 2415 2420 2422 2427 2435 2436 2437 2438 2413 2413 2413 2413 2467 2469 2474 2476 2481 2483 2486 2488 2490 2528 2554 2692 2693
0	.R3.	ABSOLUTE. HEX VALUE(00000003) 2397 2407 2408 2409 2411 2416 2418 2423 2425 2431 2433 2436 2438 2443 2445 2450 2452 2638 2639 2685 2686 2690 2702
0	.R5.	ABSOLUTE. HEX VALUE(00000005) 2684 2697
0	.R6.	ABSOLUTE. HEX VALUE(00000006) 2401 2493 2501 2506 2512 2520 2533 2539 2546 2606 2610 2612 2616 2618 2622 2625 2629 2631 2635 2640 2689 2694 2695
0	.R7.	ABSOLUTE. HEX VALUE(00000007) 2189 2381 2682 2688 2691 2703 2706
2705	\$CONX	ADDRESS. HEX LOCATION(00003B14) IN CSECT(I7832) LENGTH(1)
2681	\$ERR\$	ADDRESS. HEX LOCATION(00003AC4) IN CSECT(I7832) LENGTH(6) 2402 2494 2502 2507 2510 2513 2521 2534 2540
2148	\$IOIN	ADDRESS. HEX LOCATION(0000380C) IN CSECT(I7832) LENGTH(2)
2147	\$TUID	ADDRESS. HEX LOCATION(0000380A) IN CSECT(I7832) LENGTH(2)
105	@DCADD1	ADDRESS. HEX LOCATION(000019B8) IN CSECT(I7832) LENGTH(1)
106	@DCADD2	ADDRESS. HEX LOCATION(000019BA) IN CSECT(I7832) LENGTH(1)
42	@FIXT	ABSOLUTE. HEX VALUE(00000101) 807 922 925 967 970 973 1024 1027 1057 1060 1063 1066 1129 1138 1141 1150 1153 1159 1162 1165 1171 1174 1177 1219 1222 1225 1252 1267 1276 1279 1282 1339 1348 1351 1354 1357 1360 1411 1438 1444 1447 1462 1465 1492 1531 1558 1561 1564 1621 1624 1627 1633 1636 1639 1677 1660 1663 1690 1705 1708 1723 1738 1744
44	@GOTO	ABSOLUTE. HEX VALUE(00000200) 820 913 958 1015 1258 1429 1483 1522 1750
46	@INPT	ABSOLUTE. HEX VALUE(00000300) 810
41	@QUES	ABSOLUTE. HEX VALUE(00000100) 804 910 952 955 1012 1054 1132 1135 1144 1147 1156 1168 1216 1255 1270 1273 1333 1336 1342 1345 1426 1441 1480 1519 1615 1618 1630 1654 1741
43	@STOP	ABSOLUTE. HEX VALUE(00000102) 915 964 1021 1264 1435 1489 1528
48	@TUXX	ABSOLUTE. HEX VALUE(00000500) 855 838 850 862 874 886 898 928 940 975 988 1000 1030 1042 1069 1081 1093 1105 1117 1180 1192 1204 1228 1240 1285 1297 1309 1321 1363 1375 1387 1399 1414 1450 1468 1495 1507 1534 1546 1567 1579 1591 1603 1642 1666 1678 1693 1711 1726
2710	BEGIN	ADDRESS. HEX LOCATION(00003B1E) IN CSECT(I7832) LENGTH(2)
2731	BIT0080	ABSOLUTE. HEX VALUE(00000080) 2727
2726	BUFPT	ADDRESS. HEX LOCATION(00003C26) IN CSECT(I7832) LENGTH(2)
2637	CCERR	ADDRESS. HEX LOCATION(00003AA2) IN CSECT(I7832) LENGTH(2)
2653	CPUID	ABSOLUTE. HEX VALUE(00000232) 2609 2615 2621 2628 2634
2561	CFR59	ADDRESS. HEX LOCATION(00003A3C) IN CSECT(I7832) LENGTH(2)
2727	DC2PT	ADDRESS. HEX LOCATION(00003C28) IN CSECT(I7832) LENGTH(2)
108	DEVADD	ADDRESS. HEX LOCATION(000019D0) IN CSECT(I7832) LENGTH(1)
2151	DEV1	ADDRESS. HEX LOCATION(00003812) IN CSECT(I7832) LENGTH(2) 2181 2383 2384 2607 2613 2619 2626 2632 2706
70	DUMMY	ABSOLUTE. HEX VALUE(00000000) 795 1755 1788
63	EBC	ABSOLUTE. HEX VALUE(00000000) 811
1756	ENTPT	ADDRESS. HEX LOCATION(00002D64) IN CSECT(I7832) LENGTH(1)
2729	FAKETU	ADDRESS. HEX LOCATION(00003C2C) IN CSECT(I7832) LENGTH(2)
1816	F00021	ADDRESS. HEX LOCATION(00002DEC) IN CSECT(I7832) LENGTH(1) 925 971 974 1064 1142 1163 1166 1175 1277 1340 1355 1559 1684 1685 1640 1691 1706
1972	F00023	ADDRESS. HEX LOCATION(000033C6) IN CSECT(I7832) LENGTH(1)
1812	F00024	ADDRESS. HEX LOCATION(00002DC6) IN CSECT(I7832) LENGTH(1) 1280 1283 1463 1493 1532 1739
1854	F00025	ADDRESS. HEX LOCATION(00002EDC) IN CSECT(I7832) LENGTH(1)
1928	F00026	ADDRESS. HEX LOCATION(0000321A) IN CSECT(I7832) LENGTH(1)
1874	F00045	ADDRESS. HEX LOCATION(00002F96) IN CSECT(I7832) LENGTH(1)
2008	F00053	ADDRESS. HEX LOCATION(000034FC) IN CSECT(I7832) LENGTH(1)
1796	F00172	ADDRESS. HEX LOCATION(00002D86) IN CSECT(I7832) LENGTH(1)
1800	F00198	ADDRESS. HEX LOCATION(00002D8E) IN CSECT(I7832) LENGTH(1)
1804	F00224	ADDRESS. HEX LOCATION(00002DB2) IN CSECT(I7832) LENGTH(1)
1820	F00250	ADDRESS. HEX LOCATION(00002F04) IN CSECT(I7832) LENGTH(1)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
1828	F00252	959 ADDRESS. HEX LOCATION(00002E18) IN CSECT(I7832) LENGTH(1)
1846	F00275	968 ADDRESS. HEX LOCATION(00002EC8) IN CSECT(I7832) LENGTH(1)
1858	F00281	1016 ADDRESS. HEX LOCATION(00002F02) IN CSECT(I7832) LENGTH(1)
1864	F00295	1028 ADDRESS. HEX LOCATION(00002F3E) IN CSECT(I7832) LENGTH(1)
1882	F00324	1058 ADDRESS. HEX LOCATION(0000300A) IN CSECT(I7832) LENGTH(1)
1890	F00340	1130 ADDRESS. HEX LOCATION(0000306A) IN CSECT(I7832) LENGTH(1)
1898	F00361	1139 ADDRESS. HEX LOCATION(000030D8) IN CSECT(I7832) LENGTH(1)
1916	F00368	1151 ADDRESS. HEX LOCATION(000031A6) IN CSECT(I7832) LENGTH(1)
1922	F00375	1154 ADDRESS. HEX LOCATION(000031DE) IN CSECT(I7832) LENGTH(1)
1932	F00395	1160 ADDRESS. HEX LOCATION(00003240) IN CSECT(I7832) LENGTH(1)
1938	F00414	1178 ADDRESS. HEX LOCATION(0000328A) IN CSECT(I7832) LENGTH(1)
1944	F00418	1220 ADDRESS. HEX LOCATION(000032D4) IN CSECT(I7832) LENGTH(1)
1952	F00422	1223 ADDRESS. HEX LOCATION(0000332C) IN CSECT(I7832) LENGTH(1)
1958	F00440	1226 ADDRESS. HEX LOCATION(00003376) IN CSECT(I7832) LENGTH(1)
1966	F00442	1259 ADDRESS. HEX LOCATION(0000338A) IN CSECT(I7832) LENGTH(1)
1976	F00498	1265 ADDRESS. HEX LOCATION(000033EC) IN CSECT(I7832) LENGTH(1)
1988	F00505	1352 ADDRESS. HEX LOCATION(00003480) IN CSECT(I7832) LENGTH(1)
1994	F00521	1361 ADDRESS. HEX LOCATION(000034BC) IN CSECT(I7832) LENGTH(1)
2000	F00530	1412 ADDRESS. HEX LOCATION(000034E8) IN CSECT(I7832) LENGTH(1)
2014	F00543	1430 ADDRESS. HEX LOCATION(00003542) IN CSECT(I7832) LENGTH(1)
2020	F00555	1448 ADDRESS. HEX LOCATION(0000357E) IN CSECT(I7832) LENGTH(1)
2026	F00566	1466 ADDRESS. HEX LOCATION(000035BA) IN CSECT(I7832) LENGTH(1)
2034	F00582	1484 ADDRESS. HEX LOCATION(000035CE) IN CSECT(I7832) LENGTH(1)
2042	F00625	1523 ADDRESS. HEX LOCATION(000035E2) IN CSECT(I7832) LENGTH(1)
2054	F00638	1625 ADDRESS. HEX LOCATION(00003686) IN CSECT(I7832) LENGTH(1)
2062	F00657	1634 ADDRESS. HEX LOCATION(000036F4) IN CSECT(I7832) LENGTH(1)
2066	F00690	1658 ADDRESS. HEX LOCATION(00003712) IN CSECT(I7832) LENGTH(1)
2074	F00706	1725 ADDRESS. HEX LOCATION(00003772) IN CSECT(I7832) LENGTH(1)
2078	F00709	1745 ADDRESS. HEX LOCATION(00003790) IN CSECT(I7832) LENGTH(1)
2086	F00713	1748 ADDRESS. HEX LOCATION(000037FE) IN CSECT(I7832) LENGTH(1)
1808	F00720	1751 ADDRESS. HEX LOCATION(00002DB8) IN CSECT(I7832) LENGTH(1)
1850	F00722	920 ADDRESS. HEX LOCATION(00002ECE) IN CSECT(I7832) LENGTH(1)
1962	F00724	1022 ADDRESS. HEX LOCATION(0000337C) IN CSECT(I7832) LENGTH(1)
2004	F00726	1265 ADDRESS. HEX LOCATION(000034EE) IN CSECT(I7832) LENGTH(1)
2030	F00728	1430 ADDRESS. HEX LOCATION(000035C0) IN CSECT(I7832) LENGTH(1)
2038	F00730	1490 ADDRESS. HEX LOCATION(000035D4) IN CSECT(I7832) LENGTH(1)
1824	F00732	1529 ADDRESS. HEX LOCATION(00002E0A) IN CSECT(I7832) LENGTH(1)
2735	HEBLK	965 ADDRESS. HEX LOCATION(00003C2E) IN CSECT(I7832) LENGTH(2)
2223	HTOE	2682 ABSOLUTE. HEX VALUE(0000001A)
2647	IDCBCE1	2683 ADDRESS. HEX LOCATION(00003AB8) IN CSECT(I7832) LENGTH(2)
2649	IDCBCE2	2613 2614 ADDRESS. HEX LOCATION(00003ABC) IN CSECT(I7832) LENGTH(2)
2651	IDCBRAP	2619 2620 ADDRESS. HEX LOCATION(00003AC0) IN CSECT(I7832) LENGTH(2)
2643	IDCB0	2607 2608 ADDRESS. HEX LOCATION(00003AB0) IN CSECT(I7832) LENGTH(2)
2645	IDCB1	2632 2633 ADDRESS. HEX LOCATION(00003AB4) IN CSECT(I7832) LENGTH(2)
66	INTRNL	2383 2626 2627 ABSOLUTE. HEX VALUE(00000000)
2642	IORST	825 917 962 1019 1262 1433 1487 1526 ADDRESS. HEX LOCATION(00003AAE) IN CSECT(I7832) LENGTH(2)
40	I7832	288 CSECT. START(00002500) LENGTH(5940) ESDID(0)
2716	LINE1	40 ADDRESS. HEX LOCATION(00003B56) IN CSECT(I7832) LENGTH(40)
2150	LSTIO	2687 ADDRESS. HEX LOCATION(00003810) IN CSECT(I7832) LENGTH(2)
2690	MVBUF	2606 2612 2618 2625 2631 ADDRESS. HEX LOCATION(00003AE2) IN CSECT(I7832) LENGTH(2)
804	N00001	2694 2697 ADDRESS. HEX LOCATION(00002780) IN CSECT(I7832) LENGTH(2)
807	N00002	318 1766 ADDRESS. HEX LOCATION(00002784) IN CSECT(I7832) LENGTH(2)
810	N00003	322 ADDRESS. HEX LOCATION(00002788) IN CSECT(I7832) LENGTH(2)
820	N00004	324 805 ADDRESS. HEX LOCATION(0000279A) IN CSECT(I7832) LENGTH(2)
826	N00005	327 ADDRESS. HEX LOCATION(000027A6) IN CSECT(I7832) LENGTH(2)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
1495	N00117	ADDRESS. HEX LOCATION(00002BC6) IN CSECT(I7832) LENGTH(2)
1507	N00118	ADDRESS. HEX LOCATION(00002BDA) IN CSECT(I7832) LENGTH(2)
1519	N00119	ADDRESS. HEX LOCATION(00002BEE) IN CSECT(I7832) LENGTH(2)
1522	N00120	ADDRESS. HEX LOCATION(00002BF2) IN CSECT(I7832) LENGTH(2)
1528	N00121	ADDRESS. HEX LOCATION(00002BFE) IN CSECT(I7832) LENGTH(2)
1531	N00122	ADDRESS. HEX LOCATION(00002C02) IN CSECT(I7832) LENGTH(2)
1534	N00123	ADDRESS. HEX LOCATION(00002C06) IN CSECT(I7832) LENGTH(2)
1546	N00124	ADDRESS. HEX LOCATION(00002C1A) IN CSECT(I7832) LENGTH(2)
1558	N00125	ADDRESS. HEX LOCATION(00002C2E) IN CSECT(I7832) LENGTH(2)
1561	N00126	ADDRESS. HEX LOCATION(00002C32) IN CSECT(I7832) LENGTH(2)
1564	N00127	ADDRESS. HEX LOCATION(00002C36) IN CSECT(I7832) LENGTH(2)
1567	N00128	ADDRESS. HEX LOCATION(00002C3A) IN CSECT(I7832) LENGTH(2)
1579	N00129	ADDRESS. HEX LOCATION(00002C4E) IN CSECT(I7832) LENGTH(2)
1591	N00130	ADDRESS. HEX LOCATION(00002C62) IN CSECT(I7832) LENGTH(2)
1603	N00131	ADDRESS. HEX LOCATION(00002C76) IN CSECT(I7832) LENGTH(2)
1615	N00132	ADDRESS. HEX LOCATION(00002C8A) IN CSECT(I7832) LENGTH(2)
1618	N00133	ADDRESS. HEX LOCATION(00002C8E) IN CSECT(I7832) LENGTH(2)
1621	N00134	ADDRESS. HEX LOCATION(00002C92) IN CSECT(I7832) LENGTH(2)
1624	N00135	ADDRESS. HEX LOCATION(00002C96) IN CSECT(I7832) LENGTH(2)
1627	N00136	ADDRESS. HEX LOCATION(00002C9A) IN CSECT(I7832) LENGTH(2)
1630	N00137	ADDRESS. HEX LOCATION(00002C9E) IN CSECT(I7832) LENGTH(2)
1633	N00138	ADDRESS. HEX LOCATION(00002CA2) IN CSECT(I7832) LENGTH(2)
1636	N00139	ADDRESS. HEX LOCATION(00002CA6) IN CSECT(I7832) LENGTH(2)
1639	N00140	ADDRESS. HEX LOCATION(00002CAA) IN CSECT(I7832) LENGTH(2)
1642	N00141	ADDRESS. HEX LOCATION(00002CAE) IN CSECT(I7832) LENGTH(2)
1654	N00142	ADDRESS. HEX LOCATION(00002CC2) IN CSECT(I7832) LENGTH(2)
1657	N00143	ADDRESS. HEX LOCATION(00002CC6) IN CSECT(I7832) LENGTH(2)
1660	N00144	ADDRESS. HEX LOCATION(00002CCA) IN CSECT(I7832) LENGTH(2)
1663	N00145	ADDRESS. HEX LOCATION(00002CCE) IN CSECT(I7832) LENGTH(2)
1666	N00146	ADDRESS. HEX LOCATION(00002CD2) IN CSECT(I7832) LENGTH(2)
1678	N00147	ADDRESS. HEX LOCATION(00002CE6) IN CSECT(I7832) LENGTH(2)
1690	N00148	ADDRESS. HEX LOCATION(00002CFA) IN CSECT(I7832) LENGTH(2)
1693	N00149	ADDRESS. HEX LOCATION(00002CFE) IN CSECT(I7832) LENGTH(2)
1705	N00150	ADDRESS. HEX LOCATION(00002D12) IN CSECT(I7832) LENGTH(2)
1708	N00151	ADDRESS. HEX LOCATION(00002D16) IN CSECT(I7832) LENGTH(2)
1711	N00152	ADDRESS. HEX LOCATION(00002D1A) IN CSECT(I7832) LENGTH(2)
1723	N00153	ADDRESS. HEX LOCATION(00002D2E) IN CSECT(I7832) LENGTH(2)
1726	N00154	ADDRESS. HEX LOCATION(00002D32) IN CSECT(I7832) LENGTH(2)
1738	N00155	ADDRESS. HEX LOCATION(00002D46) IN CSECT(I7832) LENGTH(2)
1741	N00156	ADDRESS. HEX LOCATION(00002D4A) IN CSECT(I7832) LENGTH(2)
1744	N00157	ADDRESS. HEX LOCATION(00002D4E) IN CSECT(I7832) LENGTH(2)
1747	N00158	ADDRESS. HEX LOCATION(00002D52) IN CSECT(I7832) LENGTH(2)
1750	N00159	ADDRESS. HEX LOCATION(00002D56) IN CSECT(I7832) LENGTH(2)
60	ON	ABSOLUTE. HEX VALUE(00000200) 829 841 853 865 877 889 901 931 943 979 991 1003 1033 1045 1072 1084 1096 1108 1120 1193 1195 1207 1231 1243 1288 1300 1312 1324 1366 1378 1390 1402 1417 1453 1471 1498 1510 1537 1549 1570 1582 1594 1606 1645 1669 1681 1696 1714 1729
67	PARM	ABSOLUTE. HEX VALUE(00000000) 813
104	PARMARA	ADDRESS. HEX LOCATION(0000196E) IN CSECT(I7832) LENGTH(1) 836 848 860 872 884 896 908 938 950 986 998 1010 1040 1052 1079 1091 1103 1115 1127 1190 1202 1214 1238 1250 1295 1307 1319 1331 1373 1385 1397 1409 1424 1460 1478 1505 1517 1544 1556 1577 1589 1601 1613 1652 1676 1688 1703 1721 1736
72	PID	ADDRESS. HEX LOCATION(00001800) IN CSECT(I7832) LENGTH(1) 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 2698
2730	PIDMSG10	ABSOLUTE. HEX VALUE(0000F1F0) 2698
2646	RDATA	ADDRESS. HEX LOCATION(00003AB6) IN CSECT(I7832) LENGTH(2)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
2216	RICB	ABSOLUTE. HEX VALUE(00000013) 2403 2404 2405 2495 2503 2508 2514 2522 2535 2541 2548
2560	RSAVE	ADDRESS. HEX LOCATION(00003A3A) IN CSECT(I7832) LENGTH(2) 2707
2625	SENS1	ADDRESS. HEX LOCATION(00003A7A) IN CSECT(I7832) LENGTH(4) 2403 2406
2559	SEN10	ADDRESS. HEX LOCATION(00003A38) IN CSECT(I7832) LENGTH(2) 2401 2493 2501 2506 2512 2520 2533 2539 2546 2399 2405
2558	SEN11	ADDRESS. HEX LOCATION(00003A36) IN CSECT(I7832) LENGTH(2) 2400 2406 2408
107	SUPSTAT	ADDRESS. HEX LOCATION(000019C4) IN CSECT(I7832) LENGTH(1) 2701
2538	TT73A	ADDRESS. HEX LOCATION(00003A02) IN CSECT(I7832) LENGTH(4) 2393 2396
2544	TT736	ADDRESS. HEX LOCATION(00003A14) IN CSECT(I7832) LENGTH(2) 2542
2395	TT76	ADDRESS. HEX LOCATION(0000388E) IN CSECT(I7832) LENGTH(6) 2391
2397	TT76A	ADDRESS. HEX LOCATION(0000389A) IN CSECT(I7832) LENGTH(4) 2392 2394 2395
103	TUINPT	ADDRESS. HEX LOCATION(00001948) IN CSECT(I7832) LENGTH(1) 2463 2465 2470 2472 2477 2479
95	TUMSGWTR	ADDRESS. HEX LOCATION(000018BA) IN CSECT(I7832) LENGTH(1) 2703
101	TURESUL	ADDRESS. HEX LOCATION(000018C8) IN CSECT(I7832) LENGTH(1) 2385 2386 2387 2388
2179	TURTN	ADDRESS. HEX LOCATION(00003842) IN CSECT(I7832) LENGTH(2) 2381 2708
77	TUSTATUS	ADDRESS. HEX LOCATION(00001819) IN CSECT(I7832) LENGTH(1) 2681
78	TUWORK	ADDRESS. HEX LOCATION(0000181A) IN CSECT(I7832) LENGTH(1) 2685 2702 2737
2188	T3C02	ADDRESS. HEX LOCATION(0000384A) IN CSECT(I7832) LENGTH(6) 840 852 864 876 888 900 930 947 978 990 1002 1032 1044 1071 1083 1095 1107 1119 1182 1194 1206 1230 1242 1287 1299 1311 1323 1365 1377 1389 1401 1416 1452 1470 1497 1509 1536 1548 1569 1581 1593 1605 1644 1668 1680 1695 1713 1728
2533	T731Z	ADDRESS. HEX LOCATION(000039F4) IN CSECT(I7832) LENGTH(4) 2527 2537
2554	T732	ADDRESS. HEX LOCATION(00003A30) IN CSECT(I7832) LENGTH(2) 2543 2550
2539	T733Z	ADDRESS. HEX LOCATION(00003A06) IN CSECT(I7832) LENGTH(4) 2545
2546	T734	ADDRESS. HEX LOCATION(00003A18) IN CSECT(I7832) LENGTH(4) 2552
2430	T76B	ADDRESS. HEX LOCATION(000038FA) IN CSECT(I7832) LENGTH(2) 2424 2428
2436	T76C	ADDRESS. HEX LOCATION(00003906) IN CSECT(I7832) LENGTH(2) 2432 2434
2443	T76E	ADDRESS. HEX LOCATION(00003914) IN CSECT(I7832) LENGTH(2) 2437 2441
2450	T76G	ADDRESS. HEX LOCATION(00003922) IN CSECT(I7832) LENGTH(2) 2444 2448
2463	T76I	ADDRESS. HEX LOCATION(00003930) IN CSECT(I7832) LENGTH(6) 2451 2455
2490	T76J	ADDRESS. HEX LOCATION(0000397C) IN CSECT(I7832) LENGTH(2) 2487
2489	T76JJ	ADDRESS. HEX LOCATION(00003978) IN CSECT(I7832) LENGTH(4) 2492
2483	T76K	ADDRESS. HEX LOCATION(00003970) IN CSECT(I7832) LENGTH(2) 2478
2477	T76M	ADDRESS. HEX LOCATION(0000395C) IN CSECT(I7832) LENGTH(6) 2473 2475
2469	T76O	ADDRESS. HEX LOCATION(00003944) IN CSECT(I7832) LENGTH(2) 2464
2429	T760A	ADDRESS. HEX LOCATION(000038F8) IN CSECT(I7832) LENGTH(2) 2426
2442	T760D	ADDRESS. HEX LOCATION(00003912) IN CSECT(I7832) LENGTH(2) 2439
2449	T760F	ADDRESS. HEX LOCATION(00003920) IN CSECT(I7832) LENGTH(2) 2446
2456	T760H	ADDRESS. HEX LOCATION(0000392E) IN CSECT(I7832) LENGTH(2) 2453
2493	T760K	ADDRESS. HEX LOCATION(00003982) IN CSECT(I7832) LENGTH(4) 2491 2497
2501	T760L	ADDRESS. HEX LOCATION(0000399A) IN CSECT(I7832) LENGTH(4) 2505
2520	T760M	ADDRESS. HEX LOCATION(000039D6) IN CSECT(I7832) LENGTH(4) 2524
2526	T760P	ADDRESS. HEX LOCATION(000039E6) IN CSECT(I7832) LENGTH(6) 2518
2528	T760Q	ADDRESS. HEX LOCATION(000039EE) IN CSECT(I7832) LENGTH(2) 2499
2512	T760S	ADDRESS. HEX LOCATION(000039BE) IN CSECT(I7832) LENGTH(4) 2516
2511	T760SS	ADDRESS. HEX LOCATION(000039B8) IN CSECT(I7832) LENGTH(6) 2525
2415	T7605	ADDRESS. HEX LOCATION(000038DC) IN CSECT(I7832) LENGTH(2) 2412
2470	T761	ADDRESS. HEX LOCATION(00003946) IN CSECT(I7832) LENGTH(6) 2466 2468
2476	T762	ADDRESS. HEX LOCATION(0000395A) IN CSECT(I7832) LENGTH(2) 2471
2486	T763	ADDRESS. HEX LOCATION(00003972) IN CSECT(I7832) LENGTH(2) 2480 2482
2401	T764	ADDRESS. HEX LOCATION(000038AE) IN CSECT(I7832) LENGTH(4) 2407
2416	T766	ADDRESS. HEX LOCATION(000038DE) IN CSECT(I7832) LENGTH(2) 2410 2414
2422	T767	ADDRESS. HEX LOCATION(000038EA) IN CSECT(I7832) LENGTH(2) 2419
2423	T769	ADDRESS. HEX LOCATION(000038EC) IN CSECT(I7832) LENGTH(2) 2417 2421
2381	T7876	ADDRESS. HEX LOCATION(00003852) IN CSECT(I7832) LENGTH(4) 2388
65	XTRNL	ABSOLUTE. HEX VALUE(00000001) 1754

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