

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGTH IBM CORP 1976
3 COPY LOG7807 \*\* MAP EC HISTORY \*\*
4 \*\*\*\*\*
5 \*
6 \* \*\*\* PREREQUISITES \*\*\*
7 \*
8 \* NONE
9 \*
10 \*\*\*\*\*
11 \*
12 \* \*\*\* MODIFICATIONS \*\*\*
13 \*
14 \* CHANGES MADE TO MEET PROGRAM REQUIREMENTS
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 10JUN77 DATE 01MAR78 DATE DATE
33 \* E.C. 578625 E.C. 755285 E.C.
34 \*
35 \*\*\*\*\*
36 I7807 STAPT X'12500' START ADDRESS OF ALL 'I' TYPE PROG
37 @QUES EQU X'0100' EQUATED VALUE FOR MDI STATEMENT
38 @FIXT EQU X'0101' EQUATED VALUE FOR MDI STATEMENT
39 @STOP EQU X'0102' EQUATED VALUE FOR MDI STATEMENT
40 @GOTO EQU X'0200' EQUATED VALUE FOR MDI STATEMENT
41 @CALL EQU X'0201' EQUATED VALUE FOR MDI STATEMENT
42 @INPT EQU X'0300' EQUATED VALUE FOR MDI STATEMENT
43 @QUXX EQU X'0400' EQUATED VALUE FOR MDI STATEMENT
44 @TUXX EQU X'0500' EQUATED VALUE FOR MDI STATEMENT
45 @NVLD EQU X'0600' EQUATED VALUE FOR MDI STATEMENT
46 EQ EQU X'0000' EQUATE FOR EQUAL
47 NE EQU X'0001' EQUATE FOR NOT EQUAL
48 HI EQU X'0008' EQUATE FOR HIGH
49 NH EQU X'000C' EQUATE FOR NOT HIGH
50 LO EQU X'0010' EQUATE FOR LOW
51 NL EQU X'0014' EQUATE FOR NOT LOW
52 LT EQU X'0010' EQUATE FOR LESS THAN
53 LE EQU X'000C' EQUATE FOR LESS THAN OR EQUAL TO
54 GT EQU X'0008' EQUATE FOR GREATER THAN
55 GE EQU X'0014' EQUATE FOR GREATER THAN OR EQUAL TO
56 ON EQU X'0200' EQUATE FOR ON
57 OF EQU X'0202' EQUATE FOR OFF
58 MX EQU X'0204' EQUATE FOR MIXED
59 EBC EQU X'0000' EQUATE FOR EBCDIC DATA TRANSFER
60 HEX EQU X'0001' EQUATE FOR HEX DATA TRANSFER
61 XTRNL EQU X'0001' EQUATE FOR EXTERNAL REFERENCE
62 INTFNL EQU X'0000' EQUATE FOR INTERNAL REFERENCE
63 PARM EQU X'0000' EQUATE INDICATING PARAMETER
64 DA EQU X'0001' EQUATE FOR DEVICE ADDRESS
65 UA EQU X'0002' EQUATE FOR UNIT ADDRESS
66 DUMMY EQU X'0000' DUMMY EQUATE
67 PID EQU \*-X'0D00' ADDRESS OF MDI HEADER
68 PTYPE EQU \*-X'22CE' ADDRESS OF PROCESSOR TYPE FIELD
69 STEPNUM EQU PID+X'000C' ADDRESS OF DECIMAL STEP NUMBER
70 OPWD1 EQU PID+X'000E' ADDRESS OF OPTION WORD ONE
71 OPWD2 EQU PID+X'0010' ADDRESS OF OPTION WORD TWO
72 TUSTATUS EQU PID+X'0018' ADDRESS OF TU STATUS WORD
73 TUNOPK EQU PID+X'001A' ADDRESS OF TU WORK AREA
74 TUPARM1 EQU PID+X'009A' ADDRESS OF PARM 1 POINTER
75 TUPARM2 EQU PID+X'009C' ADDRESS OF PARM 2 POINTER
76 TUPARM3 EQU PID+X'009E' ADDRESS OF PARM 3 POINTER
77 TUPARM4 EQU PID+X'00A0' ADDRESS OF PARM 4 POINTER
78 TUPARM5 EQU PID+X'00A2' ADDRESS OF PARM 5 POINTER
79 TUPARM6 EQU PID+X'00A4' ADDRESS OF PARM 6 POINTER
80 TUPARM7 EQU PID+X'00A6' ADDRESS OF PARM 7 POINTER
81 TUPARM8 EQU PID+X'00A8' ADDRESS OF PARM 8 POINTER
82 TUPARM9 EQU PID+X'00AA' ADDRESS OF PARM 9 POINTER
83 TUPARM10 EQU PID+X'00AC' ADDRESS OF PARM 10 POINTER
84 TUPARM11 EQU PID+X'00AE' ADDRESS OF PARM 11 POINTER
85 TUPARM12 EQU PID+X'00B0' ADDRESS OF PARM 12 POINTER
86 TUPARM13 EQU PID+X'00B2' ADDRESS OF PARM 13 POINTER
87 TUPARM14 EQU PID+X'00B4' ADDRESS OF PARM 14 POINTER
88 TUPARM15 EQU PID+X'00B6' ADDRESS OF PARM 15 POINTER
89 TUPARM16 EQU PID+X'00B8' ADDRESS OF PARM 16 POINTER
90 TUMSGWTR EQU PID+X'00BA' ADDRESS OF -> TO COMMON MSG WRITER
91 TUA EQU PID+X'00BE' ADDRESS OF UNIT ADDRESS IN EBC
92 TUDA EQU PID+X'00C0' ADDRESS OF DEVICE ADDRESS IN EBC
93 TUBUFF EQU PID+X'00C2' ADDRESS OF LAST USED WORD IN MAP
94 TULAST EQU PID+X'00C4' ADDRESS OF LAST ADDRESSABLE WORD
95 TURESULN EQU PID+X'00C6' ADDRESS OF LENGTH OF TU RESULTS
96 TURESUI EQU PID+X'00C8' ADDRESS OF TU RESULTS FIELD
97 MAPNAME EQU PID+X'00FC' ADDRESS OF MAP NAME FIELD IN HEX
98 TUINPT EQU PID+X'0148' ADDRESS OF SINPT DATA
99 PARMARA EQU PID+X'016E' ADDRESS OF SINPT INPUT AREA
100 @DCADD1 EQU PID+X'01B8' MDI POINTER
101 @DCADD2 EQU PID+X'01BA' MDI POINTER
102 SUPSTAT EQU PID+X'01C4' ADDRESS OF MDI STATUS
103 DEVADD EQU PID+X'01D0' ADDRESS OF DEVICE ADDRESS TABLE 0
104 DEVADD1 EQU PID+X'01D1' ADDRESS OF DEVICE ADDRESS TABLE 1
105 DEVADD2 EQU PID+X'01D2' ADDRESS OF DEVICE ADDRESS TABLE 2
106 DEVADD3 EQU PID+X'01D3' ADDRESS OF DEVICE ADDRESS TABLE 3
107 DEVADD4 EQU PID+X'01D4' ADDRESS OF DEVICE ADDRESS TABLE 4
108 DEVADD5 EQU PID+X'0202' ADDRESS OF DEVICE ADDRESS TABLE 5
109 DEVADD6 EQU PID+X'020C' ADDRESS OF DEVICE ADDRESS TABLE 6
110 DEVADD7 EQU PID+X'0216' ADDRESS OF DEVICE ADDRESS TABLE 7
111 PRINT OFF
112
113

002500 I7807
000100 @QUES
000101 @FIXT
000102 @STOP
000200 @GOTO
000201 @CALL
000300 @INPT
000400 @QUXX
000500 @TUXX
000600 @NVLD
000000 EQ
000001 NE
000008 HI
00000C NH
000010 LO
000014 NL
000010 LT
00000C LE
000008 GT
000014 GE
000200 ON
000202 OF
000204 MX
000000 EBC
000001 HEX
000001 XTRNL
000000 INTFNL
000000 PARM
000001 DA
000002 UA
000000 DUMMY
001800 PID
000232 PTYPE
00180C STEPNUM
00180E OPWD1
001810 OPWD2
001818 TUSTATUS
00181A TUNOPK
00189A TUPARM1
00189C TUPARM2
00189E TUPARM3
0018A0 TUPARM4
0018A2 TUPARM5
0018A4 TUPARM6
0018A6 TUPARM7
0018A8 TUPARM8
0018AA TUPARM9
0018AC TUPARM10
0018AE TUPARM11
0018B0 TUPARM12
0018B2 TUPARM13
0018B4 TUPARM14
0018B6 TUPARM15
0018B8 TUPARM16
0018BA TUMSGWTR
0018BE TUA
0018C0 TUDA
0018C2 TUBUFF
0018C4 TULAST
0018C6 TURESULN
0018C8 TURESUI
0018FC MAPNAME
001948 TUINPT
00196E PARMARA
0019B8 @DCADD1
0019BA @DCADD2
0019C4 SUPSTAT
0019D0 DEVADD
0019DA DEVADD1
0019E4 DEVADD2
0019E8 DEVADD3
0019F8 DEVADD4
001A02 DEVADD5
001A0C DEVADD6
001A16 DEVADD7

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGTH IBM CORP 1976
002500 29AE
198 DC A(ENTPT) POINT TO MAP ENTRY POINT TABLE
199 \*\*\*\*\*
200 \*\*\*\*\*
201 \*\*\*\*\*
202 \*\* THE FOLLOWING TABLES ARE USED BY THE MDI SUPERVISOR (D3C00)
203 \*\* TO LOCATE THE CORRECT RULE TO INVOKE, TO OBTAIN THE PROPER
204 \*\* PARAMETERS TO PASS TO THE TU'S AND TO PASS TO THE OPERATOR
205 \*\* THE INDICATED MESSAGE(S). THERE ARE FOUR TABLES USED FOR THIS
206 \*\* PURPOSE THEY ARE:
207 \*\*
208 \*\* STEP AND RULE ADDRESS TABLE
209 \*\* THIS TABLE GIVES THE ADDRESS OF THE RULE TO INVOKE AND
210 \*\* THE ASSOCIATED STEP DECIMAL STEP NUMBER OF THAT RULE.
211 \*\* ENTRIES ARE AS FOLLOWS
212 \*\* A) AN ADDRESS OF THE RULE DC STAPT AREA
213 \*\* B) THE STEP NUMBER IN DECIMAL
214 \*\* C) AN EQUATE FOR THE STEP NUMBER
215 \*\*
216 \*\* RULE INFORMATION TABLE
217 \*\* THIS TABLE CONTAINS THE REQUIRED INFORMATION TO EXECUTE
218 \*\* THE APPROPRIATE RULE UNDER MDI. EACH RULE HAS ITS OWN
219 \*\* UNIQUELY DEFINED AREA INDICATED BELOW. END OF TABLE IS
220 \*\* INDICATED WITH A X'0000' FOR THE RULE EQUATE.
221 \*\*
222 \*\* \$QUES
223 \*\* A) RULE EQUATE X'0100'
224 \*\* B) ADDRESS OF THE YES LEG RULE
225 \*\*
226 \*\* \$FIXT
227 \*\* A) RULE EQUATE X'0101'
228 \*\* B) ADDRESS OF MESSAGE TO PRINT
229 \*\*
230 \*\* \$STOP
231 \*\* A) RULE EQUATE X'0102'
232 \*\* B) ADDRESS OF MESSAGE
233 \*\*
234 \*\* \$GOTO
235 \*\* A) RULE EQUATE X'0200'
236 \*\* B) ADDRESS OF MESSAGE
237 \*\* C) NAME OF MAP TO GO TO
238 \*\* D) ENTRY POINT WITHIN GO TO MAP TO USE
239 \*\* E) INDICATOR FOR EXTERNAL OR INTERNAL REFERENCE
240 \*\*
241 \*\* \$CALL
242 \*\* A) RULE EQUATE X'0201'
243 \*\* B) ADDRESS OF MESSAGE
244 \*\* C) NAME OF MAP TO CALL
245 \*\* D) ENTRY POINT WITHIN CALLED MAP TO USE
246 \*\* E) INDICATOR FOR EXTERNAL OR INTERNAL REFERENCE
247 \*\*
248 \*\* \$INPT
249 \*\* A) RULE EQUATE X'0300'
250 \*\* B) INPUT TYPE (EBCDIC OR HEX)
251 \*\* C) ADDRESS OF YES LEG RULE
252 \*\* D) DESTINATION LOCATION OF INPUT DATA
253 \*\* E) LENGTH OF INPUT DATA
254 \*\* F) LOWER LIMIT OF GOOD DATA
255 \*\* G) HIGHER LIMIT OF GOOD DATA
256 \*\*
257 \*\* \$QUXX
258 \*\* A) RULE EQUATE X'0400'
259 \*\* B) ADDRESS OF YES LEG RULE
260 \*\* C) TU BRANCH TO ADDRESS (INITIAL)
261 \*\* D) TU BRANCH TO ADDRESS (SECONDARY)
262 \*\* E) LENGTH OF PARAMETER IN BYTES
263 \*\* F) PARAMETER TO PASS TO TU
264 \*\* G) STORE ADDRESS FOR FIRST 8 WORDS OF PARAMETER
265 \*\*
266 \*\* \$TUXX
267 \*\* A) RULE EQUATE X'0500'
268 \*\* B) ADDRESS OF YES LEG RULE
269 \*\* C) TU BRANCH TO ADDRESS
270 \*\* D) TYPE OF COMPARE TO MAKE ON RESULTS
271 \*\* E) LENGTH OF COMPARED RESULTS
272 \*\* F) MASK FIELD FOR COMPARE
273 \*\* G) LENGTH OF PARAMETER IN BYTES
274 \*\* H) PARAMETER TO PASS TO THE TU
275 \*\* I) STORE ADDRESS FOR FIRST 8 WORDS OF PARAMETER
276 \*\*
277 \*\* \$NVLD
278 \*\* A) RULE EQUATE X'0600'
279 \*\*
280 \*\* ENTRY POINT TABLE
281 \*\* THIS TABLE CONTAINS THE ENTRY POINTS WITHIN THE MAP THAT
282 \*\* THE MAP CAN BE ENTERED FROM THESE ENTRY POINTS ARE
283 \*\* REFERENCED BY NAME AND ADDRESS. ENTRIES ARE AS FOLLOWS:
284 \*\*
285 \*\* A) NAME OF ENTRY POINT
286 \*\* B) ADDRESS OF ENTRY POINT RULE TABLE
287 \*\*
288 \*\* THE ENTRY POINT TABLE END IS INDICATED BY A X'0000'
289 \*\*
290 \*\* MESSAGE TABLE
291 \*\* THIS TABLE CONTAINS THE MESSAGE PASSED TO THE OPERATOR
292 \*\* VIA THE MDI SUPERVISOR. THE TABLE IS AS FOLLOWS:
293 \*\*
294 \*\* A) EQUATE FOR START OF MESSAGE BLOCK
295 \*\* B) NUMBER OF LINES OF MESSAGE
296 \*\* C) LENGTH OF FOLLOWING LINE
297 \*\* D) FIRST LINE OF MESSAGE
298 \*\* E) LENGTH OF FOLLOWING LINE
299 \*\* F) SECOND LINE OF MESSAGE
300 \*\* G) ETC.
301 \*\*
302 \*\*
303 \*\*
304 \*\*\*\*\*
305 \*\*\*\*\*

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
308			*****	
309			*****	
310			**	
311			**	
312			STEP AND RULE ADDRESS TABLE	
313			*****	
314			*****	
002502	2630	315	DC AL2(N00001)	
002504	0001	316	XL2'0001'	
000001		317	EQN00001 EQU 0001	
002506	2634	318	DC AL2(N00002)	
002508	0002	319	XL2'0002'	
000002		320	EQN00002 EQU 0002	
00250A	2640	321	DC AL2(N00003)	
00250C	0003	322	XL2'0003'	
000003		323	EQN00003 EQU 0003	
00250E	2656	324	DC AL2(N00004)	
002510	0004	325	XL2'0004'	
000004		326	EQN00004 EQU 0004	
002512	2668	327	DC AL2(N00005)	
002514	0005	328	XL2'0005'	
000005		329	EQN00005 EQU 0005	
002516	266C	330	DC AL2(N00006)	
002518	0006	331	XL2'0006'	
000006		332	EQN00006 EQU 0006	
00251A	2670	333	DC AL2(N00007)	
00251C	0007	334	XL2'0007'	
000007		335	EQN00007 EQU 0007	
00251E	2688	336	DC AL2(N00008)	
002520	0008	337	XL2'0008'	
000008		338	EQN00008 EQU 0008	
002522	269A	339	DC AL2(N00009)	
002524	0009	340	XL2'0009'	
000009		341	EQN00009 EQU 0009	
002526	26AC	342	DC AL2(N00010)	
002528	0010	343	XL2'0010'	
000010		344	EQN00010 EQU 0010	
00252A	26BE	345	DC AL2(N00011)	
00252C	0011	346	XL2'0011'	
000011		347	EQN00011 EQU 0011	
00252E	26D6	348	DC AL2(N00012)	
002530	0012	349	XL2'0012'	
000012		350	EQN00012 EQU 0012	
002532	26DA	351	DC AL2(N00013)	
002534	0013	352	XL2'0013'	
000013		353	EQN00013 EQU 0013	
002536	26DE	354	DC AL2(N00014)	
002538	0014	355	XL2'0014'	
000014		356	EQN00014 EQU 0014	
00253A	26E2	357	DC AL2(N00015)	
00253C	0015	358	XL2'0015'	
000015		359	EQN00015 EQU 0015	
00253E	26E6	360	DC AL2(N00016)	
002540	0016	361	XL2'0016'	
000016		362	EQN00016 EQU 0016	
002542	26EA	363	DC AL2(N00017)	
002544	0017	364	XL2'0017'	
000017		365	EQN00017 EQU 0017	
002546	2700	366	DC AL2(N00018)	
002548	0018	367	XL2'0018'	
000018		368	EQN00018 EQU 0018	
00254A	2704	369	DC AL2(N00019)	
00254C	0019	370	XL2'0019'	
000019		371	EQN00019 EQU 0019	
00254E	271A	372	DC AL2(N00020)	
002550	0020	373	XL2'0020'	
000020		374	EQN00020 EQU 0020	
002552	271E	375	DC AL2(N00021)	
002554	0021	376	XL2'0021'	
000021		377	EQN00021 EQU 0021	
002556	2734	378	DC AL2(N00022)	
002558	0022	379	XL2'0022'	
000022		380	EQN00022 EQU 0022	
00255A	2738	381	DC AL2(N00023)	
00255C	0023	382	XL2'0023'	
000023		383	EQN00023 EQU 0023	
00255E	274E	384	DC AL2(N00024)	
002560	0024	385	XL2'0024'	
000024		386	EQN00024 EQU 0024	
002562	2760	387	DC AL2(N00025)	
002564	0025	388	XL2'0025'	
000025		389	EQN00025 EQU 0025	
002566	2764	390	DC AL2(N00026)	
002568	0026	391	XL2'0026'	
000026		392	EQN00026 EQU 0026	
00256A	2768	393	DC AL2(N00027)	
00256C	0027	394	XL2'0027'	
000027		395	EQN00027 EQU 0027	
00256E	277E	396	DC AL2(N00028)	
002570	0028	397	XL2'0028'	
000028		398	EQN00028 EQU 0028	
002572	2790	399	DC AL2(N00029)	
002574	0029	400	XL2'0029'	
000029		401	EQN00029 EQU 0029	
002576	2794	402	DC AL2(N00030)	
002578	0030	403	XL2'0030'	
000030		404	EQN00030 EQU 0030	
00257A	2798	405	DC AL2(N00031)	
00257C	0031	406	XL2'0031'	
000031		407	EQN00031 EQU 0031	
00257E	27AE	408	DC AL2(N00032)	
002580	0032	409	XL2'0032'	
000032		410	EQN00032 EQU 0032	
002582	27C0	411	DC AL2(N00033)	
002584	0033	412	XL2'0033'	
000033		413	EQN00033 EQU 0033	
002586	27C4	414	DC AL2(N00034)	
002588	0034	415	XL2'0034'	
000034		416	EQN00034 EQU 0034	
00258A	27C8	417	DC AL2(N00035)	
00258C	0035	418	XL2'0035'	
000035		419	EQN00035 EQU 0035	
00258E	27DE	420	DC AL2(N00036)	
002590	0036	421	XL2'0036'	

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000024		422	EQN00036 EQU 0036	
002592	27E2	423	DC AL2(N00037)	
002594	0037	424	XL2'0037'	
000025		425	EQN00037 EQU 0037	
002596	27F8	426	DC AL2(N00038)	
002598	0038	427	XL2'0038'	
000026		428	EQN00038 EQU 0038	
00259A	27FC	429	DC AL2(N00039)	
00259C	0039	430	XL2'0039'	
000027		431	EQN00039 EQU 0039	
00259E	2812	432	DC AL2(N00040)	
0025A0	0040	433	XL2'0040'	
000028		434	EQN00040 EQU 0040	
0025A2	2816	435	DC AL2(N00041)	
0025A4	0041	436	XL2'0041'	
000029		437	EQN00041 EQU 0041	
0025A6	2828	438	DC AL2(N00042)	
0025A8	0042	439	XL2'0042'	
000030		440	EQN00042 EQU 0042	
0025AA	282C	441	DC AL2(N00043)	
0025AC	0043	442	XL2'0043'	
000031		443	EQN00043 EQU 0043	
0025AE	2842	444	DC AL2(N00044)	
0025B0	0044	445	XL2'0044'	
000032		446	EQN00044 EQU 0044	
0025B2	2846	447	DC AL2(N00045)	
0025B4	0045	448	XL2'0045'	
000033		449	EQN00045 EQU 0045	
0025B6	2858	450	DC AL2(N00046)	
0025B8	0046	451	XL2'0046'	
000034		452	EQN00046 EQU 0046	
0025BA	285A	453	DC AL2(N00047)	
0025BC	0047	454	XL2'0047'	
000035		455	EQN00047 EQU 0047	
0025BE	2870	456	DC AL2(N00048)	
0025C0	0048	457	XL2'0048'	
000036		458	EQN00048 EQU 0048	
0025C2	2874	459	DC AL2(N00049)	
0025C4	0049	460	XL2'0049'	
000037		461	EQN00049 EQU 0049	
0025C6	288A	462	DC AL2(N00050)	
0025C8	0050	463	XL2'0050'	
000038		464	EQN00050 EQU 0050	
0025CA	289C	465	DC AL2(N00051)	
0025CC	0051	466	XL2'0051'	
000039		467	EQN00051 EQU 0051	
0025CE	28A0	468	DC AL2(N00052)	
0025D0	0052	469	XL2'0052'	
000040		470	EQN00052 EQU 0052	
0025D2	28A4	471	DC AL2(N00053)	
0025D4	0053	472	XL2'0053'	
000041		473	EQN00053 EQU 0053	
0025D6	28BA	474	DC AL2(N00054)	
0025D8	0054	475	XL2'0054'	
000042		476	EQN00054 EQU 0054	
0025DA	28CC	477	DC AL2(N00055)	
0025DC	0055	478	XL2'0055'	
000043		479	EQN00055 EQU 0055	
0025DE	28D0	480	DC AL2(N00056)	
0025E0	0056	481	XL2'0056'	
000044		482	EQN00056 EQU 0056	
0025E2	28D4	483	DC AL2(N00057)	
0025E4	0057	484	XL2'0057'	
000045		485	EQN00057 EQU 0057	
0025E6	28EA	486	DC AL2(N00058)	
0025E8	0058	487	XL2'0058'	
000046		488	EQN00058 EQU 0058	
0025EA	28FC	489	DC AL2(N00059)	
0025EC	0059	490	XL2'0059'	
000047		491	EQN00059 EQU 0059	
0025EE	290E	492	DC AL2(N00060)	
0025F0	0060	493	XL2'0060'	
000048		494	EQN00060 EQU 0060	
0025F2	2912	495	DC AL2(N00061)	
0025F4	0061	496	XL2'0061'	
000049		497	EQN00061 EQU 0061	
0025F6	2916	498	DC AL2(N00062)	
0025F8	0062	499	XL2'0062'	
000050		500	EQN00062 EQU 0062	
0025FA	291A	501	DC AL2(N00063)	
0025FC	0063	502	XL2'0063'	
000051		503	EQN00063 EQU 0063	
0025FE	2930	504	DC AL2(N00064)	
002600	0064	505	XL2'0064'	
000052		506	EQN00064 EQU 0064	
002602	2942	507	DC AL2(N00065)	
002604	0065	508	XL2'0065'	
000053		509	EQN00065 EQU 0065	
002606	2954	510	DC AL2(N00066)	
002608	0066	511	XL2'0066'	
000054		512	EQN00066 EQU 0066	
00260A	2958	513	DC AL2(N00067)	
00260C	0067	514	XL2'0067'	
000055		515	EQN00067 EQU 0067	
00260E	295C	516	DC AL2(N00068)	
002610	0068	517	XL2'0068'	
000056		518	EQN00068 EQU 0068	
002612	2960	519	DC AL2(N00069)	
002614	0069	520	XL2'0069'	
000057		521	EQN00069 EQU 0069	
002616	2976	522	DC AL2(N00070)	
002618	0070	523	XL2'0070'	
000058		524	EQN00070 EQU 0070	
00261A	297A	525	DC AL2(N00071)	
00261C	0071	526	XL2'0071'	
000059		527	EQN00071 EQU 0071	
00261E	298C	528	DC AL2(N00072)	
002620	0072	529	XL2'0072'	
000060		530	EQN00072 EQU 0072	
002622	298E	531	DC AL2(N00073)	
002624	0073	532	XL2'0073'	
000061		533	EQN00073 EQU 0073	
002626	29A4	534	DC AL2(N00074)	
002628	0074	535	XL2'0074'	

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I7807 --- CHANNEL INTERFACE TEST P/N=4414132 EC=755285 PAGE 03
LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
00004 EQN00074 EQU 0074
00262A 29A8 DC AL2(N00075)
00262C 0075 DC XL2'0075'
00004B EQN00075 EQU 0075
00262E 0000 DC AL2(DUMMMY)
*****
541 *****
542 *****
543 **
544 **
545 **
546 *****
547 *****
548 N00001 $QUES Q=(Q00037),YES=N00003,CT=(C00035)
549+N00001 DC A(@QUES)
550+N00002 $GOTO TYPE=INTRNL,EP=A,FT=(F00039),GTO=(N00001)
551+N00002 DC A(@GOTO)
552+N00002 DC A(F00039)
553+ DC CL4'3C00'
554+ DC CL2'A'
555+ DC AL2(INTRNL)
556+ STUXX T7800,02,0708,EQ,PLNG=6,PARM=6F0000,QT=(Q00042), X
557+N00003 DC A(@TUXX)
558+N00003 DC AL2(N00007)
559+ DC A(T7800)
560+ DC AL2(EQ)
561+ DC X'0708'
562+ ALIGN WORD
563+ DC AL2(6)
564+ DC C'6F0000'
565+ ALIGN WORD
566+ DC AL2(PARMARA)
567+ STUXX T3C02,02,0008,EQ,QT=(Q00045),YES=N00006,ST=(S00026)
568+N00004 DC A(@TUXX)
569+N00004 DC AL2(N00006)
570+ DC A(T3C02)
571+ DC AL2(EQ)
572+ DC X'0008'
573+ ALIGN WORD
574+ DC AL2(0)
575+ DC C'AA'
576+ ALIGN WORD
577+ DC AL2(PARMARA)
578+ STUXX T3C02,02,0708,EQ,QT=(Q00051),YES=N00006,ST=(S00026)
579+N00006 DC A(@TUXX)
580+N00006 DC AL2(N00051)
581+ STUXX T7800,04,07080000,EQ,PLNG=6,PARM=200000,QT=(Q00055), X
582+N00007 DC A(@TUXX)
583+ DC AL2(N00017)
584+ DC AL2(EQ)
585+ DC AL2(04)
586+ DC X'07080000'
587+ ALIGN WORD
588+ DC AL2(6)
589+ DC C'200000'
590+ ALIGN WORD
591+ DC AL2(PARMARA)
592+ STUXX T3C02,02,0708,EQ,QT=(Q00058),YES=N00016,ST=(S00026)
593+N00008 DC A(@TUXX)
594+ DC AL2(N00016)
595+ DC A(T3C02)
596+ DC AL2(EQ)
597+ DC AL2(02)
598+ DC X'0708'
599+ ALIGN WORD
600+ DC AL2(0)
601+ DC C'AA'
602+ ALIGN WORD
603+ DC AL2(PARMARA)
604+ STUXX T3C02,02,0508,EQ,QT=(Q00061),YES=N00015,ST=(S00026)
605+N00009 DC A(@TUXX)
606+ DC AL2(N00015)
607+ DC A(T3C02)
608+ DC AL2(EQ)
609+ DC AL2(02)
610+ DC X'0508'
611+ ALIGN WORD
612+ DC AL2(0)
613+ DC C'AA'
614+ ALIGN WORD
615+ DC AL2(PARMARA)
616+ STUXX T3C02,02,0408,EQ,QT=(Q00064),YES=N00014,ST=(S00026)
617+N00010 DC A(@TUXX)
618+ DC AL2(N00014)
619+ DC A(T3C02)
620+ DC AL2(EQ)
621+ DC AL2(02)
622+ DC X'0408'
623+ ALIGN WORD
624+ DC AL2(0)
625+ DC C'AA'
626+ ALIGN WORD
627+ DC AL2(PARMARA)
628+ STUXX T7800,04,00080000,EQ,PLNG=6,PARM=200000,QT=(Q00067), X
629+N00011 DC A(@TUXX)
630+ DC AL2(N00013)
631+ DC A(T7800)
632+ DC AL2(EQ)
633+ DC AL2(04)
634+ DC X'00080000'
635+ ALIGN WORD
636+ DC AL2(6)
637+ DC C'200000'
638+ ALIGN WORD
639+ DC AL2(PARMARA)
640+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
641+N00012 DC A(@TUXX)
642+ DC AL2(N00021)
643+ DC A(T7800)
644+ DC AL2(EQ)
645+ DC AL2(02)
646+ DC X'0308'
647+ ALIGN WORD
648+ DC AL2(6)
649+ DC C'100000'
650+ ALIGN WORD
651+ DC AL2(PARMARA)
652+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=270000,QT=(Q00102), X
653+N00021 DC A(@TUXX)
654+ DC AL2(N00023)
655+ DC A(T7800)
656+ DC AL2(EQ)
657+ DC AL2(02)
658+ DC X'0308'
659+ ALIGN WORD
660+ DC AL2(6)
661+ DC C'100000'
662+ ALIGN WORD
663+ DC AL2(PARMARA)
664+ STUXX T7800,02,0708,EQ,PLNG=6,PARM=600000,QT=(Q00110), X
665+N00023 DC A(@TUXX)
666+ DC AL2(N00027)
667+ DC A(T7800)
668+ DC AL2(EQ)
669+ DC AL2(02)
670+ DC X'0708'
671+ ALIGN WORD
672+ DC AL2(0)
673+ DC C'AA'
674+ ALIGN WORD
675+ DC AL2(PARMARA)
676+ STUXX T3C02,02,0508,EQ,QT=(Q00113),YES=N00026,ST=(S00026)
677+N00024 DC A(@TUXX)
678+ DC AL2(N00026)
679+ DC A(T3C02)
680+ DC AL2(EQ)
681+ DC AL2(02)
682+ DC X'0508'
683+ ALIGN WORD
684+ DC AL2(6)
685+ DC C'600000'
686+ ALIGN WORD
687+ DC AL2(PARMARA)
688+ STUXX T3C02,02,0508,EQ,QT=(Q00127),YES=N00030,ST=(S00026)
689+N00028 DC A(@TUXX)
690+ DC AL2(N00030)
691+ DC A(T3C02)
692+ DC AL2(EQ)
693+ DC AL2(02)
694+ DC X'0508'
695+ ALIGN WORD
696+ DC AL2(0)
697+ DC C'AA'
698+ ALIGN WORD
699+ DC AL2(PARMARA)
700+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
701+N00029 DC A(@TUXX)
702+ DC AL2(N00031)
703+ DC A(T7800)
704+ DC AL2(EQ)
705+ DC AL2(02)
706+ DC X'0308'
707+ ALIGN WORD
708+ DC AL2(6)
709+ DC C'600000'
710+ ALIGN WORD
711+ DC AL2(PARMARA)
712+ STUXX T3C02,02,0508,EQ,QT=(Q00127),YES=N00030,ST=(S00026)
713+N00029 DC A(@TUXX)
714+ DC AL2(N00031)
715+ DC A(T3C02)
716+ DC AL2(EQ)
717+ DC AL2(02)
718+ DC X'0508'
719+ ALIGN WORD
720+ DC AL2(0)
721+ DC C'AA'
722+ ALIGN WORD
723+ DC AL2(PARMARA)
724+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
725+N00031 DC A(@TUXX)
726+ DC AL2(N00031)
727+ DC A(T7800)
728+ DC AL2(EQ)
729+ DC AL2(02)
730+ DC X'0308'
731+ ALIGN WORD
732+ DC AL2(6)
733+ DC C'100000'
734+ ALIGN WORD
735+ DC AL2(PARMARA)
736+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
737+N00032 DC A(@TUXX)
738+ DC AL2(N00032)
739+ DC A(T7800)
740+ DC AL2(EQ)
741+ DC AL2(02)
742+ DC X'0308'
743+ ALIGN WORD
744+ DC AL2(6)
745+ DC C'100000'
746+ ALIGN WORD
747+ DC AL2(PARMARA)
748+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
749+N00032 DC A(@TUXX)
750+ DC AL2(N00032)
751+ DC A(T7800)
752+ DC AL2(EQ)
753+ DC AL2(02)
754+ DC X'0308'
755+ ALIGN WORD
756+ DC AL2(0)
757+ DC C'AA'
758+ ALIGN WORD
759+ DC AL2(PARMARA)
760+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
761+N00032 DC A(@TUXX)
762+ DC AL2(N00032)
763+ DC A(T7800)
764+ DC AL2(EQ)
765+ DC AL2(02)
766+ DC X'0308'
767+ ALIGN WORD
768+ DC AL2(6)
769+ DC C'100000'
770+ ALIGN WORD
771+ DC AL2(PARMARA)
772+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
773+N00032 DC A(@TUXX)
774+ DC AL2(N00032)
775+ DC A(T7800)
776+ DC AL2(EQ)
777+ DC AL2(02)
778+ DC X'0308'
779+ ALIGN WORD
780+ DC AL2(6)
781+ DC C'100000'
782+ ALIGN WORD
783+ DC AL2(PARMARA)
784+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
785+N00032 DC A(@TUXX)
786+ DC AL2(N00032)
787+ DC A(T7800)
788+ DC AL2(EQ)
789+ DC AL2(02)
790+ DC X'0308'
791+ ALIGN WORD
792+ DC AL2(6)
793+ DC C'100000'
794+ ALIGN WORD
795+ DC AL2(PARMARA)
796+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
797+N00032 DC A(@TUXX)
798+ DC AL2(N00032)
799+ DC A(T7800)
800+ DC AL2(EQ)
801+ DC AL2(02)
802+ DC X'0308'
803+ ALIGN WORD
804+ DC AL2(6)
805+ DC C'100000'
806+ ALIGN WORD
807+ DC AL2(PARMARA)
808+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
809+N00032 DC A(@TUXX)
810+ DC AL2(N00032)
811+ DC A(T7800)
812+ DC AL2(EQ)
813+ DC AL2(02)
814+ DC X'0308'
815+ ALIGN WORD
816+ DC AL2(6)
817+ DC C'100000'
818+ ALIGN WORD
819+ DC AL2(PARMARA)
820+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
821+N00032 DC A(@TUXX)
822+ DC AL2(N00032)
823+ DC A(T7800)
824+ DC AL2(EQ)
825+ DC AL2(02)
826+ DC X'0308'
827+ ALIGN WORD
828+ DC AL2(6)
829+ DC C'100000'
830+ ALIGN WORD
831+ DC AL2(PARMARA)
832+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
833+N00032 DC A(@TUXX)
834+ DC AL2(N00032)
835+ DC A(T7800)
836+ DC AL2(EQ)
837+ DC AL2(02)
838+ DC X'0308'
839+ ALIGN WORD
840+ DC AL2(6)
841+ DC C'100000'
842+ ALIGN WORD
843+ DC AL2(PARMARA)
844+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
845+N00032 DC A(@TUXX)
846+ DC AL2(N00032)
847+ DC A(T7800)
848+ DC AL2(EQ)
849+ DC AL2(02)
850+ DC X'0308'
851+ ALIGN WORD
852+ DC AL2(6)
853+ DC C'100000'
854+ ALIGN WORD
855+ DC AL2(PARMARA)
856+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
857+N00032 DC A(@TUXX)
858+ DC AL2(N00032)
859+ DC A(T7800)
860+ DC AL2(EQ)
861+ DC AL2(02)
862+ DC X'0308'
863+ ALIGN WORD
864+ DC AL2(6)
865+ DC C'100000'
866+ ALIGN WORD
867+ DC AL2(PARMARA)
868+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
869+N00032 DC A(@TUXX)
870+ DC AL2(N00032)
871+ DC A(T7800)
872+ DC AL2(EQ)
873+ DC AL2(02)
874+ DC X'0308'
875+ ALIGN WORD
876+ DC AL2(6)
877+ DC C'100000'
878+ ALIGN WORD
879+ DC AL2(PARMARA)
880+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
881+N00032 DC A(@TUXX)
882+ DC AL2(N00032)
883+ DC A(T7800)
884+ DC AL2(EQ)
885+ DC AL2(02)
886+ DC X'0308'
887+ ALIGN WORD
888+ DC AL2(6)
889+ DC C'100000'
890+ ALIGN WORD
891+ DC AL2(PARMARA)
892+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
893+N00032 DC A(@TUXX)
894+ DC AL2(N00032)
895+ DC A(T7800)
896+ DC AL2(EQ)
897+ DC AL2(02)
898+ DC X'0308'
899+ ALIGN WORD
900+ DC AL2(6)
901+ DC C'100000'
902+ ALIGN WORD
903+ DC AL2(PARMARA)
904+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
905+N00032 DC A(@TUXX)
906+ DC AL2(N00032)
907+ DC A(T7800)
908+ DC AL2(EQ)
909+ DC AL2(02)
910+ DC X'0308'
911+ ALIGN WORD
912+ DC AL2(6)
913+ DC C'100000'
914+ ALIGN WORD
915+ DC AL2(PARMARA)
916+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
917+N00032 DC A(@TUXX)
918+ DC AL2(N00032)
919+ DC A(T7800)
920+ DC AL2(EQ)
921+ DC AL2(02)
922+ DC X'0308'
923+ ALIGN WORD
924+ DC AL2(6)
925+ DC C'100000'
926+ ALIGN WORD
927+ DC AL2(PARMARA)
928+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
929+N00032 DC A(@TUXX)
930+ DC AL2(N00032)
931+ DC A(T7800)
932+ DC AL2(EQ)
933+ DC AL2(02)
934+ DC X'0308'
935+ ALIGN WORD
936+ DC AL2(6)
937+ DC C'100000'
938+ ALIGN WORD
939+ DC AL2(PARMARA)
940+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
941+N00032 DC A(@TUXX)
942+ DC AL2(N00032)
943+ DC A(T7800)
944+ DC AL2(EQ)
945+ DC AL2(02)
946+ DC X'0308'
947+ ALIGN WORD
948+ DC AL2(6)
949+ DC C'100000'
950+ ALIGN WORD
951+ DC AL2(PARMARA)
952+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
953+N00032 DC A(@TUXX)
954+ DC AL2(N00032)
955+ DC A(T7800)
956+ DC AL2(EQ)
957+ DC AL2(02)
958+ DC X'0308'
959+ ALIGN WORD
960+ DC AL2(6)
961+ DC C'100000'
962+ ALIGN WORD
963+ DC AL2(PARMARA)
964+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
965+N00032 DC A(@TUXX)
966+ DC AL2(N00032)
967+ DC A(T7800)
968+ DC AL2(EQ)
969+ DC AL2(02)
970+ DC X'0308'
971+ ALIGN WORD
972+ DC AL2(6)
973+ DC C'100000'
974+ ALIGN WORD
975+ DC AL2(PARMARA)
976+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
977+N00032 DC A(@TUXX)
978+ DC AL2(N00032)
979+ DC A(T7800)
980+ DC AL2(EQ)
981+ DC AL2(02)
982+ DC X'0308'
983+ ALIGN WORD
984+ DC AL2(6)
985+ DC C'100000'
986+ ALIGN WORD
987+ DC AL2(PARMARA)
988+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
989+N00032 DC A(@TUXX)
990+ DC AL2(N00032)
991+ DC A(T7800)
992+ DC AL2(EQ)
993+ DC AL2(02)
994+ DC X'0308'
995+ ALIGN WORD
996+ DC AL2(6)
997+ DC C'100000'
998+ ALIGN WORD
999+ DC AL2(PARMARA)
1000+ STUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X

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I7807 --- CHANNEL INTERFACE TEST P/N=4414132 EC=755285 PAGE 03A
LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM COPP 1976
0026DA 0101 650 N00013 $FIXT FT=(F00076),GTO=((7808,A))
0026DC 2B3C 651+N00013 DC A(@FIXT)
652+ DC A(F00076)
653 N00014 $FIXT FT=(F00014),GTO=((7808,A))
654+N00014 DC A(@FIXT)
655+ DC A(F00014)
656 N00015 $FIXT FT=(F00082),GTO=((7808,A))
657+N00015 DC A(@FIXT)
658+ DC A(F00082)
659 N00016 $FIXT FT=(F00073),GTO=((7808,A))
660+N00016 DC A(@FIXT)
661+ DC A(F00073)
662 N00017 $TUXX T7800,02,0308,EQ,PLNG=6,PARM=000000,QT=(Q00086), X
663+N00017 DC A(@TUXX)
664+ DC AL2(N00019)
665+ DC A(T7800)
666+ DC AL2(EQ)
667+ DC AL2(02)
668+ DC X'0308'
669+ ALIGN WORD
670+ DC AL2(6)
671+ DC C'000000'
672+ ALIGN WORD
673+ DC AL2(PARMARA)
674 N00018 $FIXT FT=(F00014),GTO=((7808,A))
675+N00018 DC A(@FIXT)
676+ DC A(F00014)
677 N00019 $TUXX T7800,02,0308,EQ,PLNG=6,PARM=100000,QT=(Q00093), X
678+N00019 DC A(@TUXX)
679+ DC AL2(N00021)
680+ DC A(T7800)
681+ DC AL2(EQ)
682+ DC AL2(02)
683+ DC X'0308'
684+ ALIGN WORD
685+ DC AL2(6)
686+ DC C'100000'
687+ ALIGN WORD
688+ DC AL2(PARMARA)
689 N00020 $FIXT FT=(F00014),GTO=((7808,A))
690+N00020 DC A(@FIXT)
691+ DC A(F00014)
692 N00021 $TUXX T7800,02,0308,EQ,PLNG=6,PARM=270000,QT=(Q00102), X
693+N00021 DC A(@TUXX)
694+ DC AL2(N00023)
695+ DC A(T7800)
696+ DC AL2(EQ)
697+ DC AL2(02)
698+ DC X'0308'
699+ ALIGN WORD
700+ DC AL2(6)
701+ DC C'100000'
702+ ALIGN WORD
703+ DC AL2(PARMARA)
704 N00022 $FIXT FT=(F00014),GTO=((7808,A))
705+N00022 DC A(@FIXT)
706+ DC A(F00014)
707 N00023 $TUXX T7800,02,0708,EQ,PLNG=6,PARM=600000,QT=(Q00110), X
708+N00023 DC A(@TUXX)
709+ DC AL2(N00027)
710+ DC A(T7800)
711+ DC AL2(EQ)
712+ DC AL2(02)
713+ DC X'0708'
714+ ALIGN WORD
715+ DC AL2(6)
716+ DC C'600000'
717+ ALIGN WORD
718+ DC AL2(PARMARA)
719 N00024 $TUXX T3C02,02,0508,EQ,QT=(Q00113),YES=N00026,ST=(S00026)
720+N00024 DC A(@TUXX)
721+ DC AL2(N00026)
722+ DC A(T3C02)
723+ DC AL2(EQ)
724+ DC AL2(02)
725+ DC X'0508'
726+ ALIGN WORD
727+ DC AL2(0)
728+ DC C'AA'
729+ ALIGN WORD
730+ DC AL2(PARMARA)
731 N00025 $FIXT FT=(F00014),GTO=((7808,A))
732+N00025 DC A(@FIXT)
733+ DC A(F00014)
734 N00026 $FIXT FT=(F00119),GTO=((7808,A))
735+N00026 DC A(@FIXT)
736+ DC A(F00119)
737 N00027 $TUXX T7800,02,0708,EQ,PLNG=6,PARM=602222,QT=(Q00124), X
738+N00027 DC A(@TUXX)
739+ DC AL2(N00031)
740+ DC A(T7800)
741+ DC AL2(EQ)
742+ DC AL2(02)
743+ DC X'0708'
744+ ALIGN WORD
745+ DC AL2(6)
746+ DC C'602222'
747+ ALIGN WORD
748+ DC AL2(PARMARA)
749 N00028 $TUXX T3C02,02,0508,EQ,QT=(Q00127),YES=N00030,ST=(S00026)
750+N00028 DC A(@TUXX)
751+ DC AL2(N00030)
752+ DC A(T3C02)
753+ DC AL2(EQ)
754+ DC AL2(02)
755+ DC X'0508'
756+ ALIGN WORD
757+ DC AL2(0)
758+ DC C'AA'
759+ ALIGN WORD
760+ DC AL2(PARMARA)
761 N00029 $FIXT FT=(F00014),GTO=((7808,A))
762+N00029 DC A(@FIXT)
763+ DC A(F00014)

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I7807 --- CHANNEL INTERFACE TEST P/N=4414132 EC=755285 PAGE 04
LOC TR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
002794 0101 764 N00030 \$FIXT FT=(F00133),GTO=((7808,A))
002796 2D4C 765+N00030 DC A(@FIXT)
766+ DC A(F00133)
767 N00031 \$TUXX T7800,02,0708,EQ,PLNG=6,PARM=60FFFE,QT=(Q00138), X
768+N00031 DC A(@TUXX)
769+ DC AL2(N00035)
770+ DC A(T7800)
771+ DC AL2(EQ)
772+ DC AL2(02)
773+ DC X'0708'
774+ ALIGN WORD
775+ DC AL2(6)
776+ DC C'60FFFE'
777+ ALIGN WORD
778+ DC AL2(PARMARA)
779 N00032 \$TUXX T3C02,02,0508,EQ,QT=(Q00141),YES=N00034,ST=(S00026)
780+N00032 DC A(@TUXX)
781+ DC AL2(N00034)
782+ DC A(T3C02)
783+ DC AL2(EQ)
784+ DC AL2(02)
785+ DC X'0508'
786+ ALIGN WORD
787+ DC AL2(0)
788+ DC C'AA'
789+ ALIGN WORD
790+ DC AL2(PARMARA)
791 N00033 \$FIXT FT=(F00014),GTO=((7808,A))
792+N00033 DC A(@FIXT)
793+ DC A(F00014)
794 N00034 \$FIXT FT=(F00147),GTO=((7808,A))
795+N00034 DC A(@FIXT)
796+ DC A(F00147)
797 N00035 \$TUXX T7800,02,0308,EQ,PLNG=6,PARM=650000,QT=(Q00152), X
798+N00035 DC A(@TUXX)
799+ DC AL2(N00037)
800+ DC A(T7800)
801+ DC AL2(EQ)
802+ DC AL2(02)
803+ DC X'0308'
804+ ALIGN WORD
805+ DC AL2(6)
806+ DC C'650000'
807+ ALIGN WORD
808+ DC AL2(PARMARA)
809 N00036 \$FIXT FT=(F00014),GTO=((7808,A))
810+N00036 DC A(@FIXT)
811+ DC A(F00014)
812 N00037 \$TUXX T7800,02,0708,EQ,PLNG=6,PARM=400000,QT=(Q00159), X
813+N00037 DC A(@TUXX)
814+ DC AL2(N00039)
815+ DC A(T7800)
816+ DC AL2(EQ)
817+ DC AL2(02)
818+ DC X'0708'
819+ ALIGN WORD
820+ DC AL2(6)
821+ DC C'400000'
822+ ALIGN WORD
823+ DC AL2(PARMARA)
824 N00038 \$FIXT FT=(F00014),GTO=((7808,A))
825+N00038 DC A(@FIXT)
826+ DC A(F00014)
827 N00039 \$TUXX T7800,02,0708,EQ,PLNG=6,PARM=400100,QT=(Q00166), X
828+N00039 DC A(@TUXX)
829+ DC AL2(N00041)
830+ DC A(T7800)
831+ DC AL2(EQ)
832+ DC AL2(02)
833+ DC X'0708'
834+ ALIGN WORD
835+ DC AL2(6)
836+ DC C'400100'
837+ ALIGN WORD
838+ DC AL2(PARMARA)
839 N00040 \$FIXT FT=(F00014),GTO=((7808,A))
840+N00040 DC A(@FIXT)
841+ DC A(F00014)
842 N00041 \$TUXX T3C02,02,0708,EQ,QT=(Q00172),YES=N00043,ST=(S00026)
843+N00041 DC A(@TUXX)
844+ DC AL2(N00043)
845+ DC A(T3C02)
846+ DC AL2(EQ)
847+ DC AL2(02)
848+ DC X'0708'
849+ ALIGN WORD
850+ DC AL2(0)
851+ DC C'AA'
852+ ALIGN WORD
853+ DC AL2(PARMARA)
854 N00042 \$FIXT FT=(F00014),GTO=((7808,A))
855+N00042 DC A(@FIXT)
856+ DC A(F00014)
857 N00043 \$TUXX T7800,02,0708,EQ,PLNG=6,PARM=6F0000,QT=(Q00179), X
858+N00043 DC A(@TUXX)
859+ DC AL2(N00045)
860+ DC A(T7800)
861+ DC AL2(EQ)
862+ DC AL2(02)
863+ DC X'0708'
864+ ALIGN WORD
865+ DC AL2(6)
866+ DC C'6F0000'
867+ ALIGN WORD
868+ DC AL2(PARMARA)
869 N00044 \$FIXT FT=(F00014),GTO=((7808,A))
870+N00044 DC A(@FIXT)
871+ DC A(F00014)
872 N00045 \$TUXX T7805,02,0000,EQ,,YES=N00047,CT=(C00185)
873+N00045 DC A(@TUXX)
874+ DC AL2(N00047)
875+ DC A(T7805)
876+ DC AL2(EQ)
877+ DC AL2(02)

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LOC TR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
002850 0000 878+ DC X'0000'
879+ ALIGN WORD
880+ DC AL2(0)
881+ DC C'AA'
882+ ALIGN WORD
883+ DC AL2(PARMARA)
884 N00046 \$NVLD FT=(F00187)
885+N00046 DC A(@NVLD)
886 N00047 \$TUXX T7800,02,0708,EQ,PLNG=6,PARM=6F0000,QT=(Q00190), X
887+N00047 DC A(@TUXX)
888+ DC AL2(N00049)
889+ DC A(T7800)
890+ DC AL2(EQ)
891+ DC AL2(02)
892+ DC X'0708'
893+ ALIGN WORD
894+ DC AL2(6)
895+ DC C'6F0000'
896+ ALIGN WORD
897+ DC AL2(PARMARA)
898 N00048 \$FIXT FT=(F00014),GTO=((7808,A))
899+N00048 DC A(@FIXT)
900+ DC A(F00014)
901 N00049 \$TUXX T7800,02,0708,EQ,PLNG=6,PARM=210000,QT=(Q00198), X
902+N00049 DC A(@TUXX)
903+ DC AL2(N00053)
904+ DC A(T7800)
905+ DC AL2(EQ)
906+ DC AL2(02)
907+ DC X'0708'
908+ ALIGN WORD
909+ DC AL2(6)
910+ DC C'210000'
911+ ALIGN WORD
912+ DC AL2(PARMARA)
913 N00050 \$TUXX T3C02,02,0508,EQ,,QT=(Q00201),YES=N00052,ST=(S00026)
914+N00050 DC A(@TUXX)
915+ DC AL2(N00052)
916+ DC A(T3C02)
917+ DC AL2(EQ)
918+ DC AL2(02)
919+ DC X'0508'
920+ ALIGN WORD
921+ DC AL2(0)
922+ DC C'AA'
923+ ALIGN WORD
924+ DC AL2(PARMARA)
925 N00051 \$FIXT FT=(F00014),GTO=((7808,A))
926+N00051 DC A(@FIXT)
927+ DC A(F00014)
928 N00052 \$FIXT FT=(F00207),GTO=((7808,A))
929+N00052 DC A(@FIXT)
930+ DC A(F00207)
931 N00053 \$TUXX T7800,02,0708,EQ,PLNG=6,PARM=220000,QT=(Q00212), X
932+N00053 DC A(@TUXX)
933+ DC AL2(N00057)
934+ DC A(T7800)
935+ DC AL2(EQ)
936+ DC AL2(02)
937+ DC X'0708'
938+ ALIGN WORD
939+ DC AL2(6)
940+ DC C'220000'
941+ ALIGN WORD
942+ DC AL2(PARMARA)
943 N00054 \$TUXX T3C02,02,0508,EQ,,QT=(Q00215),YES=N00056,ST=(S00026)
944+N00054 DC A(@TUXX)
945+ DC AL2(N00056)
946+ DC A(T3C02)
947+ DC AL2(EQ)
948+ DC AL2(02)
949+ DC X'0508'
950+ ALIGN WORD
951+ DC AL2(0)
952+ DC C'AA'
953+ ALIGN WORD
954+ DC AL2(PARMARA)
955 N00055 \$FIXT FT=(F00014),GTO=((7808,A))
956+N00055 DC A(@FIXT)
957+ DC A(F00014)
958 N00056 \$FIXT FT=(F00221),GTO=((7808,A))
959+N00056 DC A(@FIXT)
960+ DC A(F00221)
961 N00057 \$TUXX T7800,02,0708,EQ,PLNG=6,PARM=400000,QT=(Q00225), X
962+N00057 DC A(@TUXX)
963+ DC AL2(N00063)
964+ DC A(T7800)
965+ DC AL2(EQ)
966+ DC AL2(02)
967+ DC X'0708'
968+ ALIGN WORD
969+ DC AL2(6)
970+ DC C'400000'
971+ ALIGN WORD
972+ DC AL2(PARMARA)
973 N00058 \$TUXX T3C02,02,0508,EQ,,QT=(Q00228),YES=N00062,ST=(S00026)
974+N00058 DC A(@TUXX)
975+ DC AL2(N00062)
976+ DC A(T3C02)
977+ DC AL2(EQ)
978+ DC AL2(02)
979+ DC X'0508'
980+ ALIGN WORD
981+ DC AL2(0)
982+ DC C'AA'
983+ ALIGN WORD
984+ DC AL2(PARMARA)
985 N00059 \$TUXX T3C02,02,0108,EQ,,QT=(Q00231),YES=N00061,ST=(S00026)
986+N00059 DC A(@TUXX)
987+ DC AL2(N00061)
988+ DC A(T3C02)
989+ DC AL2(EQ)
990+ DC AL2(02)
991+ DC X'0108'

Table with columns: LOCTR, OBJECT TEXT, STMT SOURCE STATEMENT, COPYRIGHT IBM CORP 1976. Contains assembly code for channel interface test, including instructions like ALIGN, DC, STUXX, and SFIXT.

Table with columns: LOCTR, OBJECT TEXT, STMT SOURCE STATEMENT, COPYRIGHT IBM CORP 1976. Contains assembly code for channel interface test, including instructions like ENTPT, DC, EQU, and SFIXT.

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
002E3E D7D6E6C5D940D6D54 1220 DC CLO042'POWER ON THE 4962, WAIT 16 SECONDS AND RUN'
002E68 0018 1221 DC A(0024)
002E6A D4C1D7F7F8F0F840C 1222 DC CLO024'MAP7808 FOR MORE TESTING'

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
0030E2 0000 1337+LSTIO DC A(\*\*)
0030E4 0000 1338+DEV1 DC A(\*\*)
0030E6 0000 1339+DEV2 DC A(\*\*)
0030E8 0000 1340+DEV3 DC A(\*\*)
0030EA 0000 1341+DEV4 DC A(\*\*)

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYFIGHT IBM CORP 1976
1456 \*\*\*\*\*
1457 \*
1458 \* THE FOLLOWING ARE EQUATES FOR BIT DISPLACEMENTS FROM THE
1459 \* BEGINNING OF THE BYTE TO EACH BIT IN THE WORD OF SWITCHES.
1460 \*
1461 \*\*\*\*\*
1462 BS0 EQU 0
1463 BS1 EQU 1
1464 BS2 EQU 2
1465 BS3 EQU 3
1466 BS4 EQU 4
1467 BS5 EQU 5
1468 BS6 EQU 6
1469 BS7 EQU 7
1470 BS8 EQU 8
1471 BS9 EQU 9
1472 BS10 EQU 10
1473 BS11 EQU 11
1474 BS12 EQU 12
1475 BS13 EQU 13
1476 BS14 EQU 14
1477 BS15 EQU 15
1479 COPY T7800 01DEC76
1480 T7800 TUIT 1
1481 \*\*\*\*\*06FEB76\*\*
1482\*\*
1483\*\* TEST UNIT
1484\*\*
1485\*\* DIRECT PROGRAM CONTROL TEST UNIT 12/1/76
1486\*\*
1487\*\* PURPOSE
1488\*\*
1489\*\* THREE PARAMETERS ARE NEEDED FOR THE EXECUTION OF THIS TU AND ARE
1490\*\*
1491\*\* 1. ONE BYTE OF FUNCTION-MODIFIER, IE, X'60' FOR PREPARE
1492\*\* 2. TWO BYTES OF DATA TO BE USED IN THE SECOND PART OF THE IDCB,
1493\*\* IE, X'0005' TO SELECT LEVEL 2 FOR AN INTERRUPT.
1494\*\*
1495\*\* CALLING SEQUENCE
1496\*\*
1497\*\* MDI=@TUXX,T7800,2,0708,EQ,PLNG=6,PRAM=PFXXXX'
1498\*\*
1499\*\* RETURN CONTROL
1500\*\*
1501\*\* B TURTN\* RETURN TO MDI SUPERVISOR
1502\*\*
1503\*\*\*\*\*
1504\*\*T7800 MVW R7,TURTN SAVE RETURN ADDRESS
1505\*\* MVWI X'7800',STUID SAVE TU ID FOR DISPLAY
1506\*\* MVA OPTN1,R4 SET UP POINTER ADRS IN R4
1507\*\*
1508\*\* MVA INTBL,R7 SET R7 TO CONTROL BLOCK AND
1509\*\* SVC CICE \* CONNECT IT TO THIS DEVICE
1510\*\* MVWI X'0708',SIOIN INIT THE CONDITION CODES
1511\*\* MVB TUPARM1,R1 SET UP PARM ADRS
1512\*\* MVB (R1)+,T3C00I \* AND SET IN FUNCTION-MODIFIER
1513\*\* MVB DEVADD,T3C00I+1 \* FOLLOWED BY THE DEVICE ADRS
1514\*\* MVB (R1)+,T3C00I+2 \* AND SET IN EVEN BYTE DATA
1515\*\* MVB (R1)+,T3C00I+3 \* AND SET IN ODD BYTE DATA
1516\*\* MVD T3C00I,P0 GET FUNCTION, MODIFIER AND DEV ADPS
1517 \*
1518\*\* IO T3C00I ISSUE THE I/O COMMAND AND
1519\*\* DC X'70AF' \* GET THE I/O CONDITION CODE IN R5
1520\*\* SRI 13,R5 POSITION CC IN THE RESULTS FIELD
1521\*\* MVB F5,SIOIN \* AND SAVE IT IN THE RESULTS
1522\*\* SPL 12,R0 \* AND POSITION IT IN THE REG TO
1523\*\* JZ T3C00S \* SEND BACK THE RESULTS IF READ DPC
1524\*\* CBI X'02',R0 IS IT A READ STATUS
1525\*\* JNE T3C00N \* NO, CONTINUE TO CHECK
1526\*\* MVW T3C00I+2,P2 \* YES, GET ID RECEIVED AND
1527\*\* XW DEVADD+4,R2 CHECK AGAINST SHOULD BE VALUE
1528\*\* MVW R2,TURESUL+2 AND SEND BACK THE RESULTS
1529\*\* J T3C00X
1530\*\* T3C00N CRI X'01',R0 IS IT A READ DPC COMMAND
1531\*\* JE T3C00S \* YES, SEND RESULTS TO MDI
1532\*\* CBI X'01',R0 \* IF IT IS A READ ID FUNCTION
1533\*\* JNE T3C00X \* NO, GO TO EXIT
1534 \*
1535\*\* T3C00S MVW T3C00I+2,TURESUL+2 SENT BACK DATA RECEIVED AND EXIT
1536\*\* T3C00X MVW SIOIN,TURESUL PUT ANY INTR COND CODE FOUND IN
1537\*\* TXIT \* RESULTS AND EXIT
1538\*\* B \$CONX RETURN TO MDI CONTROLLEP
1539\*\*\*\*\*
1540 \*
1541\*\* IDCB FOR DIRECT PROGRAM CONTROL COMMAND
1542 \*
1543\*\* T3C00I DC X'0000' FUNCTION-MODIFIER-DEVICE ADDRESS
1544\*\* DC X'0000' IMMEDIATE DATA BUFFER
1545\*\* COPY T7805 01DEC76
1546\*\* T7805 TUIT 1
1547\*\*\*\*\*06FEB76\*\*
1548\*\*
1549\*\* TEST UNIT
1550\*\*
1551\*\* DELAY COUNTER (2 SEC) 12/1/76
1552\*\*
1553\*\* PURPOSE
1554\*\*
1555\*\* TO DELAY WHILE THE DEVICE IS DOING A PREVIOUS REQUESTED FUNCTION
1556\*\*
1557\*\* CALLING SEQUENCE
1558\*\*
1559\*\* NO TUPESULTS ARE PASSED BACK TO MDI.
1560\*\*
1561\*\* RETURN CONTROL
1562\*\*
1563\*\* B TURTN\* RETURN TO MDI SUPERVISOR
1564\*\*
1565\*\*\*\*\*
1566\*\*T7805 MVW R7,TURTN SAVE RETURN ADDRESS
1567\*\* MVWI X'7805',STUID SAVE TU ID FOR DISPLAY
1568\*\* MVA OPTN1,R4 SET UP POINTER ADRS IN R4
1569\*\*
1570\*\* MVWZ TURESUL,R2 CLEAR TU RESULTS WORD

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYFIGHT IBM CORP 1976
1571 MVWI X'254C',P0 INITIALIZE THE COUNT FOR 2 SEC
1572 T777 SVC IDLE TIME OUT 2 SEC
1573 JCT T777,R0 \*
1574 TXIT
1575+ B \$CONX RETURN TO MDI CONTROLLEP
1576\*\*\*\*\*
1577\*\* COPY T78DCB 01DEC76
1578\*\* (T78DCB)
1579\*\*\*\*\*12/1/76\*\*\*\*\*
1580 \*
1581\*\* DCB TABLES AND DC'S
1582 \*
1583\*\*\*\*\*
1584 \*
1585\*\*\*\* DIAGNOSTIC DCB \*\*\*\*\*
1586 \*
1587 DGDCB DC X'2008' DIAGNOSTIC DCB
1588 DC X'0000' NOT USED
1589 DC A(\*-\*) 0-7 = PHYSICAL SECTOR # MINUS ONE
1590 DC X'0000' NOT USED
1591 DC X'0000' NOT USED
1592 DC A(\*-\*) CHAINING ADDRESS
1593 DC X'0100' BYTE COUNT
1594 DC A(\*-\*) DATA ADDRESS
1595 \*
1596 \*
1597\*\*\*\* RECALIBRATE DCB \*\*\*\*\*
1598 \*
1599 CLDCB DC X'0007' RECALIBRATE DCB
1600 DC 7A(\*-\*)
1601 \*
1602\*\*\*\* WRITE SECTOR ID \*\*
1603 \*
1604\*\* WSDCB DC X'0002' WRITE SECTOR ID CONTROL WORD
1605 DC X'0000' NOT USED
1606 DC A(\*-\*) 0-7 = PHYSICAL SECTOR # MINUS ONE
1607 DC A(\*-\*) NOT USED
1608 DC A(\*-\*) NOT USED
1609 DC A(\*-\*) CHAIN ADDRESS
1610 DC X'0006' BYTE COUNT
1611 DC A(WRSID) ADDR OF SECTOR ID DATA
1612\*\*\*\* READ SECTOR ID DCB \*\*\*\*\*
1613 \*
1614\*\* RSECB DC X'200A' READ SECTOR ID
1615 DC X'0000' NOT USED
1616 DC X'0000' 0-7 = PHYSICAL SECTOR # MINUS ONE
1617 DC X'0000' NOT USED
1618 DC X'0000' NOT USED
1619 DC X'0000' CHAIN ADDRESS
1620 DC X'0006' BYTE COUNT FOR READ SECTOR ID
1621 DC A(SCTID) SECTOR ID DATA ADDRESS
1622 \*
1623 \*
1624\*\*\*\* READ SECTOR ID IMMEDIATE DCB \*\*\*\*\*
1625 \*
1626\*\* RIDCB DC X'200E' READ SECTOR ID
1627 DC X'0000' NOT USED
1628 DC X'0000' NOT USED
1629 DC X'0000' NOT USED
1630 DC X'0000' NOT USED
1631 DC A(\*-\*) CHAIN ADDRESS
1632 DC X'0006' BYTE COUNT FOR READ SECTOR ID
1633 DC A(SCTID) SECTOR ID DATA ADDRESS
1634 \*
1635 \*
1636\*\*\*\* SEEK DCB \*\*\*\*\*
1637 \*
1638\*\* SKDCB DC X'0005' SEEK DCB
1639 DC X'0000' BIT 0-3=0; BIT4=DIRECTION; 5-15=DIPPER
1640 DC F'0'
1641 DC F'0'
1642 DC X'0000' 0-7 = HEAD; 8-15 NOT USED
1643 DC A(\*-\*) CHAIN ADDRESS
1644 DC F'0' NOT USED
1645 DC F'0' NOT USED
1646 \*
1647\*\*\*\* CYCLE STEAL STATUS DCB \*\*\*\*\*
1648 \*
1649\*\* CSDCB DC X'2000' CONTROL WORD
1650 DC F'0' NOT USED
1651 DC F'0' NOT USED
1652 DC F'0' NOT USED
1653 DC F'0' NOT USED
1654 DC F'0' NOT USED
1655 DC X'0008' 4 WORDS OF STATS
1656 DC A(CSRUF) ADDRESS OF CYCLE STEAL STATUS DATA
1657 \*
1658\*\*\*\* WRITE DCB \*\*\*\*\*
1659 \*
1660\*\* WFDCCB DC X'0001' WRITE CONTROL WORD
1661 DC F'0' NOT USED
1662 DC X'0000' 0-7=0; 8-15 = FLAG BYTE
1663 DC X'0000' SEARCH ARGUMENT CYLINDER
1664 DC X'0000' SEARCH ARGUMENT HEAD-SECTOR
1665 DC F'0' CHAIN ADDRESS
1666 DC F'0' BYTE COUNT
1667 DC A(\*-\*) WRITE DATA ADDRESS
1668 \*
1669\*\*\*\* VERIFY DCB \*\*\*\*\*
1670 \*
1671\*\* VRDCB DC X'200C' CONTROL WORD
1672 DC F'0' NOT USED
1673 DC X'0000' 0-7=0; 8-15 = FLAG BYTE
1674 DC X'0000' CYLINDER
1675 DC X'0000' HEAD-SECTOR
1676 DC A(\*-\*) CHAIN ADDRESS
1677 DC F'0' BYTE COUNT
1678 DC A(\*-\*) VERIFY DATA ADDRESS
1679 \*
1680\*\*\*\* READ DCB \*\*\*\*\*
1681 \*
1682\*\* PDDCB DC X'2009' READ DCB CONTROL WORD
1683 DC F'0' NOT USED
1684 DC X'0000' 0-7=0, 8-15 = FLAG BYTE

LOCTR OBJECT TEXT STMT SOURCE STATEMENT
00324A 0000 1685 DC X'0000' SEARCH ARGUMENT CYLINDER
00324C 0101 1686 DC X'0101' SEARCH ARGUMENT H-R
00324E 0000 1687 DC A(\*-\*) CHAIN ADDRESS
003250 0000 1688 DC F'0' BYTE COUNT
003252 0000 1689 DC A(\*-\*) READ DATA ADDRESS
1690 \*
1691 \*\*\*\* WRITE SECTOR ID SKEWED \*\*\*\*
1692 \*
003254 0003 1693 WKDCB DC X'0003' CONTROL WORD
003256 0000 1694 DC X'0000' NOT USED
003258 0000 1695 DC A(\*-\*) 0-7 = PHYSICAL SECTOR # MINUS ONE
00325A 0000 1696 DC X'0000' NOT USED
00325C 0000 1697 DC A(\*-\*) NOT USED
00325E 0000 1698 DC A(\*-\*) CHAIN ADDRESS
003260 0006 1699 DC X'0006' BYTE COUNT
003262 329A 1700 DC A(WRSID) ADDR OF SECTOR ID DATA
1701 \*
1702 \*\*\*\* READ SECTOR ID SKEWED \*\*\*\*
1703 \*
003264 200B 1704 RKDCB DC X'200B' CONTROL WORD
003266 0000 1705 DC X'0000' NOT USED
003268 0000 1706 DC X'0000' 0-7 = PHYSICAL SECTOR # MINUS ONE
00326A 0000 1707 DC X'0000' NOT USED
00326C 0000 1708 DC X'0000' NOT USED
00326E 0000 1709 DC A(\*-\*) CHAIN ADDRESS
003270 0006 1710 DC X'0006' BYTE COUNT FOR READ SECTOR ID
003272 30E4 1711 DC A(SCTID) SECTOR ID DATA ADDRESS
1712 \*
1713 \* CONSTANTS AND DEFINED STORAGE LOCATIONS
1714 ZER00 DC X'0000' CONSTANT ZERO
1715 ONE1 DC X'0001' CONSTANT ONE
1716 TIMEOUT DC 2A(\*-\*) TIMEOUT COUNTER
1717 TONE DC X'0000' CONSTANT FOR ADD DOUBLE
1718 \*
1719 COUNT DC F'1280' BYTE COUNT (1280)
1720 DIFF DC A(\*-\*) SEEK DIFFERENCE
1721 YXX DC A(\*-\*) WORK WORD INT TO ZERO
1722 BCNT DC X'0000' BYTE COUNT
1723 JOE DC A(\*-\*) WRITE PARAMETER POINTER
1724 JOE1 DC A(\*-\*) SAVE LOC FOR PARM LIST ADDRESS
1725 WDATA DC X'DE66' WRITE DATA
1726 \*
1727 TABLE DC A(\*-\*) ADDR OF WRT PAR LIST FOR FORMAT RTNS
1728 LGSEC DC X'0000' LOGICAL SECTOR #
1729 PHYS DC X'0000' CONVERTED PHYSICAL SEC #
1730 CB29 DC X'1D00' CONSTANT BYTE 29
1731 FIVE9 DC X'3E00' CONSTANT BYTE 59
1732 WRSID DC X'0000' FLAG CYLINDER (WRT SECTOR ID DATA)
1733 \*
1734 LOG SECTR HEAD DC X'0000' LOG SECTOR HEAD NOT USED
1735 CDAT DC X'00FF' INVALID DATA CONSTANT
1736 WSIDT DC X'FF34' WRITE SECTOR ID TEST DATA
1737 \*
1738 X'5678' \*
1739 SCTST DC X'0000' READ SECTOR ID TEST DATA BUFFER
1740 \*
1741 \* COUNTER
1742 CTR01 DC X'0000' COUNTER
1743 CTR02 DC X'0000' COUNTER
1744 CTR03 DC X'0000' COUNTER
1745 CTR04 DC X'0000' COUNTER
1746 CTR05 DC X'0000' COUNTER
1747 CTR06 DC X'0000' COUNTER
1748 SAVR3 DC X'0000' SAVE AREA
1749 SAVR5 DC X'0000' SAVE AREA
1750 WR2 DC X'0000'
1751 SVSEK DC X'0000'
1752 LCT DC X'0000'
1753 T56AA DC X'0000'
1754 T56BE DC X'0000'
1755 T56CC DC X'0000'
1756 T56DD DC X'0000'
1757 T56EE DC X'0000'
1758 T56FF DC X'0000'
1759 T56GG DC X'0000'
1760 T86AA DC X'0000'
1761 T86BB DC X'0000'
1762 T86CC DC X'0000'
1763 T86DD DC X'0000'
1764 T86EE DC X'0000'
1765 T86FF DC X'0000'
1766 T86GG DC X'0000'
1767 T41D DC X'0000'
1768 T41LP DC X'0000'
1769 WRICT DC X'0000'
1770 CYLOC DC X'0000'
1771 PASS1 DC A(\*-\*)
1772 HEAD0 DC A(\*-\*)
1773 HEAD1 DC A(\*-\*)
1774 GDSE0 DC A(\*-\*)
1775 GDSE1 DC A(\*-\*)
1776 ER00 DC A(\*-\*)
1777 ER01 DC A(\*-\*)
1778 HD0SV DC A(\*-\*)
1779 HD1SV DC A(\*-\*)
1780 EROSV DC A(\*-\*)
1781 ER1SV DC A(\*-\*)
1782 FATTR DC A(\*-\*)
1783 CECYL DC A(\*-\*)
1784 STATS DC A(\*-\*)
1785 \*
1787 XEQIT 01DEC76
1788 \*\*\*\*\*29JUL76\*\*
1789\*\*
1790\*\* SUB-ROUTINE
1791\*\*
1792\*\* EXECUTE INPUT AND OUTPUT COMMANDS
1793\*\*
1794\*\* PUPPOSE
1795\*\*
1796\*\* TO EXECUTE ALL I/O COMMANDS FROM A COMMON PLACE.
1797\*\* THIS SUBROUTINE WILL DO THE FOLLOWING FUNCTIONS:
1798\*\*
1799\*\* 1. SAVE THE ADDRESS THAT POINTS TO THE INSTRUCTION THAT STARTED

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
1800\*\* THE I/O COMMAND.
1801\*\* 2. SAVES THE DCB BLOCK USED UNLESS IT IS A START CYCLE STATUS
1802\*\* ISSUED BY THIS SUBROUTINE.
1803\*\* 3. CLEAR OUT THE CYCLE STEAL STATUS STORAGE UNLESS THE
1804\*\* START CYCLE STATUS WAS ISSUED BY THIS SUBROUTINE.
1805\*\* 4. RESETS THE INTERRUPT INDICATOR AND CHECKS FOR ANY INTERRUPT
1806\*\* SINCE THE LAST EXPECTED INTERRUPT. IF AN INTERRUPT IS FOUND,
1807\*\* MYSTERY INTERRUPT (MI) CONTROL BIT IS SET.
1808\*\* 5. MOVES THE ADDRESS OF THE I/O CONTROL BLOCK IN R7, SET THE
1809\*\* EXPECTED INTERRUPT CONTROL BIT AND ISSUE THE 'SVC START'.
1810\*\* 6. WHEN THE SUPVR RETURNS AFTER ISSUING THE I/O COMMAND, TIMING
1811\*\* STARTS TO DETERMINE A LOST INTERRUPT.
1812\*\* 7. EXCEPT THE INTERRUPT AND GATHER INFORMATION TO DETERMINE IF IT
1813\*\* WAS AN ERROR OR OKAY AND EXIT OFF THE INTERRUPT LEVEL.
1814\*\* 8. CHECK IF THERE WAS A WRONG INTERRUPT LEVEL.
1815\*\* 9. CHECK IF AN ERROR WAS EXPECTED AND IF THERE WAS RETURN.
1816\*\* 10. CHECK IF THERE WAS AN ERROR CONDITION, IF NOT RETURN.
1817\*\* 11. CHECK TO SEE IF THE EXERCISE IS TO BE TERMINATED.
1818\*\* 12. CHECK IF A CYCLE STEAL OPERATION WAS IN PROGRESS THAT WAS
1819\*\* ISSUED BY THIS SUBROUTINE.
1820\*\* 13. CHECK THE ISB BITS THAT ARE ON. IF BIT 0 IS ON, ISSUE A
1821\*\* CYCLE STEAL STATUS COMMAND. CHECK FOR ANY OTHER BIT BEING ON,
1822\*\* COUNT IT AND SET UP THE PPOPEF ERROR MESSAGE TO BE PRINTED.
1823\*\*
1824\*\* CALLING SEQUENCE
1825\*\*
1826\*\* THIS ROUTINE HAS THE FOLLOWING ENTRIES:
1827\*\*
1828\*\* --> BAL XIO OF XEQ ANY CYCLE STEAL COMMAND, MOD=0
1829\*\* --> BAL XIO1 MOD PARM PRELOADED IN 'IOMOD'
1830\*\* --> BAL XIOCS,P6 OR XEQ START CYCLE STEAL STATUS, MOD=F
1831\*\* --> BAL XIOCS-4,P6 AUTO CS STATUS (FOLLOWING OTHER XIO
1832\*\* AND DOES NOT POST INTERRUPT STATUS)
1833\*\*
1834\*\* RETURN CONTROL
1835\*\*
1836\*\* BYS (R6,2) RETURN TO USER NO ERROR
1837\*\* OR B (R6,\*) RETURN AND RETRY ON ERROR
1838\*\*\*\*\*
1840\*\* XIO MVWZ IOMOD,R3 SET MOF OF 0 FOR CYCLE STEAL OP
1841\*\* J XIO1 CS I/O'S ARE NOT RETRIED
1842\*\*
1843\*\* TBTR (R4,CE) RESET CS STATUS INTER ERROR INDICAT.
1844\*\* TBTS (R4,CS) SET 'CYCLE STEAL STATUS' IN PROGRESS
1845\*\* XIOCS MVA CSDB,IODCB SET UP CONTROL BLOCK FOR SVC CALL
1846\*\* MVWI X'000F',IOMOD SET CYCLE STEAL MODIFIER
1847\*\* TBTR (R4,CS) IS CS IN PROGRESS, ERROR CONDITION
1848\*\* JON XIO2 \* YES, BYPASS SAVING I/O ADRS
1849\*\* XIO1 MVW R6,ISTIO \* SAVE IAR FOR RETRY IF REQUESTED
1850\*\* MVA DCBUF,R3 SET UP TO ADRS TO MOVE DCB TABLE
1851\*\* MVW IODCB,R5 \* AND THE FROM ADRS, ALONG WITH
1852\*\* MVBI 16,R7 \* THE NUMBER OF MOVES
1853\*\* MVFN (R5),(R3) MOVE 1 STATUS WORD AND ADJUST
1854\*\* MVBI 255,R3 CLEAR CYCLE STATUS BUFFER
1855\*\* MVA CSBUF,R5 \* TO ALL ONES \*
1856\*\* MVBI 16,R7 \*
1857\*\* PFN R3,(R5) \*
1858\*\* MVWI X'0708',XIOIN OVERLAY OLD CONDITION CODES
1859\*\* MVWZ XISB,R3 ZERO OUT OLD ISB VALUE
1860\*\*
1861\*\* TBTR (R4,EP) RESET ANY ERROR BEFORE I/O COMMAND
1862\*\* XIO2 TBTR (R4,IN) CLEAR INTERRUPT RECEIVED CNTL BIT
1863\*\* MVA IOBLK,R7 SET UP CONTROL BLOCK FOR SUPVR
1864\*\* TBTR (R4,IE) RESET LEVEL ERROR INDICATOR
1865\*\* TBTS (R4,XI) SET EXPECTED INTR CONTROL BIT
1866\*\* SVC START CALL SUPVR FOR I/O COMMAND
1867\*\*
1868\*\* TBTR (R4,NI) IS AN INTR EXPECTED
1869\*\* BN (R6,2) \* NO, RETURN TO USER
1870\*\*
1871\*\* THE INTR SHOULD OCCUR WHILE SPINNING IN THE NEXT SECTION
1872\*\*
1873\*\* MVBI X'00',R5 SET UP WORK REG FOR 'LOST INTR'
1874\*\* XIO8 TBTR (R4,IN) HAS INTERRUPT BEEN RECEIVED
1875\*\* JON XIOCK \* YES, CHECK IF ALL WAS SATISFACTORY
1876\*\* SVC IDLE ALLOW ANOTHER PROGRAM A CHANCE TO RUN
1877\*\* SUPVR WILL RETURN HERE
1878\*\* AWI 1,R5 ADVANCE TIME OUT COUNT
1879\*\* JNZ XIO8 BCH IF TIME OUT NOT REACHED
1880\*\* TBTS (R4,ER) SET ON ERROR CONTROL BIT
1881\*\* B (R6,\*) ERR 'NO INTERRUPT'
1882\*\*\*\*\*03FEB76\*\*
1883\*\*
1884\*\* SUBROUTINE
1885\*\*
1886\*\* I/O EXECUTE ERROR HANDLING ROUTINE
1887\*\*
1888\*\* PURPOSE
1889\*\*
1890\*\* THIS ROUTINE WILL COLLECT INFORMATION TO HELP DETERMINE THE
1891\*\* PROBLEM THAT WAS FOUND WHEN THE I/O COMMAND WAS ISSUED BY THE
1892\*\* SUPERVISOR AND IT WAS NOT ACCEPTED.
1893\*\*
1894\*\* CALLING SEQUENCE
1895\*\*
1896\*\* SUPVR WILL ENTER WHEN AN ERROR OCCURS ON AN I/O COMMAND
1897\*\*
1898\*\* RETURN CONTROL
1899\*\*
1900\*\*
1901\*\* B (R6,\*) RETURN TO USERS ERROR HANDLER
1902\*\*
1903\*\*\*\*\*
1904\*\*
1905\*\* CC 0= DEVICE NOT ATTACHED
1906\*\* FOR 1= DEVICE BUSY
1907\*\* I/O 2= DEVICE BUSY AFTER RESET
1908\*\* 3= COMMAND REJECT
1909\*\* 4= INTERVENTION REQUIRED
1910\*\* 5= INTERFACE DATA CHECK
1911\*\* 6= CONTROLLER BUSY
1912\*\* 7= I/O COMMAND EXCEPTED
1913\*\*
1914\*\* XIOER DC X'706E' COPY STATUS ANY LEVEL INTO P3
1915\*\* SRL 13,R3 POSITION CC CODE TO BITS 13-15



LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
00336E C328 30DE 1916+ MVB R3,\$IOIN \* PUT IN LOG OUT AREA
00337E 68D2 0000 1917+ B (R6)\* RETURN TO USER ERROR HANDLER
1919+\*\*\*\*\*14APR76\*\*
1920+\*\* SUB-ROUTINE
1921+\*\*
1922+\*\* EFFOR INTERRUPT RUNS ON INTERRUPT LEVEL '\$INTL'

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
00336E C520 30DF 2033+ MVB \$IOIN+1,R5 GET LAST INTR CC CODE
00337E F502 2034+ CBI 2,P5 IS THIS CC=2
00338E 68D1 0000 2035+ BNE (R6)\* \* NO, BCH TO EPROR HANDLER
00339E C520 30E0 2036+XIOCO MVB \$ISB,R5 GET LAST ISB DATA BYTE AND IF CS
00340E 6A00 330A 2037+ BN XIOCS-4 \* AVAILBLE, GO AND GET IT
00341E 68D2 0000 2038+ B (R6)\* ERROR
00342E CB25 30DA 2039+XIOCX MVWZ OPFN3,P3 CLEAR OUT OPTION 3 CNTRL BITS
00343E 5601 2040+ BXS (R6,2) RETURN TO USER VIA REG 6
2041+\*\*
2042+\*\* I/O PARAMETER LIST
2043+\*\*
2044+IIOBLK DC A (DEVADD) ADRS OF DEVICE ADRS
2045+ DC A (XIOER) ERROR ROUTINE ADRS
2046+IIODCB DC A (\*-\*) DCB ADPS OR LEVEL & INTR
2047+IIOMOD DC A (\*-\*) MODIFIER
2048+ DC A (\*-\*) ADRS OF LAST SVC CALL
2049+IIOISP DC A (\*-\*) SECOND WORD OF LAST IDCB
2050+\*\*
2051+\*\* INTEPRUPT CONTROL BLOCK FOR I/O COMMANDS
2052+\*\*
2053+INTBL DC A (DEVADD) ADRS OF DEVICE ADRS
2054+ DC A (INTOK) INTEPRUPT OK RETURN ADRS
2055+ DC A (INTERR) INTEPRUPT ERROR ADRS
2056+INTCC DC X'0003' INTEPRUPT CODE EXPECTED
2058+\*\*\*\*\*11MAY76\*\*
2059+\*\* SUBROUTINE
2060+\*\*
2061+\*\* CONNECT INTERRUPT CONTROL BLOCK & PREPARE DEVICE
2062+\*\*
2063+\*\* PURPOSE
2064+\*\*
2065+\*\*
2066+\*\* TO CONNECT THE INTERRUPT CONTROL BLOCK TO THIS DEVICE AND
2067+\*\* PREPARE ON THE DESIRED INTERRUPT LEVEL AND TO ALLOW THE DEVICE
2068+\*\* TO INTERUPT.
2069+\*\*
2070+\*\* CALLING SEQUENCE
2071+\*\*
2072+\*\* THIS SUBROUTINE HAS THE FOLLOWING ENTRIES:
2073+\*\*
2074+\*\* --> BAL \$CONC,R6 CLEAR DEV DEP STG AND CONNECT I/O BLK
2075+\*\* --> BAL \$CONP,R6 PREPARE DEVICE ONLY, ALREADY CONNECT
2076+\*\*
2077+\*\* RETURN CONTROL
2078+\*\*
2079+\*\* BXS (R6,2) RETURN TO USER VIA REG 6 IF OKAY
2080+\*\* OP B (R6)\* IF THE DEVICE COULD NOT BE CONNFCTED
2081+\*\*
2082+\*\*\*\*\*06APR76\*\*
2083+\$CONC MVBI 6,R7 NUMBER OF BYTE TO CLEAR
2084+ MVBI 0,R3 \* AND THE DATA TO USE
2085+ MVA DEW1,R5 \* ALONG WITH THE ADPS TO USE
2086+ R3 (R5) \*
2087+ MVWZ OPFN3,P3 CLEAR OLD CONTROLS FOR NEW ROUTINE
2088+ MVA SVCL,R7 SET UP TO REQUEST DCP SUPP DISK
2089+ SVC REQSD \*
2090+ MVBI -1,R7 SET UP DELAY FOR IBIS
2091+ JCT \*R7 \* AND DECREMENT IT DOWN
2092+ MVA INTBL,R7 SET R7 TO CONTROL BLOCK AND
2093+ SVC CICB \* CONNECT IT TO THIS DEVICE
2094+ BN (R6)\* ERROR RETURN TO USEP
2095+\*\*
2096+\$CONP MVW \$INTL,IODCB PUT IN LEVEL & INTR PARAMETER
2097+ MVA IOBLK,R7 SET R7 TO CONTROL BLOCK TO PREPARE
2098+ MVWI XIOCS,R5,\$IOIN INITIALIZE CONDITION CODE STORAGE
2099+ MVWZ \$ISB,R3 \* AND CLEAR OLD ISB VALUE
2100+ MVW P6,\$STIO SET UP ADDRESS THAT STARTED LAST I/O
2101+ SVC PREP \* AND CALL ON SUPVP
2102+ BXS (R6,2) RETURN TO USER
2104+\*\*\*\*\*06APR76\*\*
2105+\*\* SUBROUTINE
2106+\*\*
2107+\*\* DJSCONNECT THE INTERRUPT CONTROL BLOCK AND LOG ERRORS
2108+\*\*
2109+\*\* PURPOSE
2110+\*\*
2111+\*\*
2112+\*\* DISCONNECT THE INTERRUPT CONTROL BLOCK TO THIS DEVICE AND
2113+\*\* SET THE 'NO GOOD' CONTROL BIT, THEN LOG THE DATA THAT HAS
2114+\*\* BEEN FOUND TO HELP THE OPERATOR DEFINE THE EPROR CONDITON.
2115+\*\*
2116+\*\* CALLING SEQUENCE
2117+\*\*
2118+\*\* THIS SUBROUTINE HAS THE FOLLOWING ENTRIES:
2119+\*\*
2120+\*\* --> B \$ERRS SET 'NG' BIT AND CONVERT DATA TO LOG
2121+\*\* --> B \$CONX RETURN TO MDI SUPERVISOR TO TEST STS
2122+\*\*
2123+\*\* RETURN CONTROL
2124+\*\*
2125+\*\* B TURTN\* RETURN TO MDI
2126+\*\* OR B (R6)\* IF THE DEVICE COULD NOT BE CONNECTED
2127+\*\*
2128+\*\*\*\*\*
2129+\$ERRS MVWI X'8000',TUSTATUS SET ON 'NO GOOD' STATUS BIT
2130+ MVA HERLK,R7 GET ADRS OF CONTROL BLOCK
2131+ SVC HTOE CONVERT HEX TO EBC VIS DCP
2132+\$PRNT MVBI 3,R5
2133+ MVA JWORK,R3 SET UP RUFFER STORAGE
2134+ MVW R3,BUFPT
2135+ MVA LINE1,R1
2136+ MVBI 4,P7
2137+ MVBI 8,P6
2138+MVBUF MVFN (R3),(R1)
2139+ MVBI 4,R7
2140+ MVBI X'40',P2
2141+ MVB R2,(R1)+
2142+ JCT MVBUF,R6
2143+ MVBI 8,P6
2144+ JCT 4,R1
2145+ MVBUF,R5
2146+ MVWI PIDMS6,10,PID+2
2147+ MVA FAKETU,0DCADD1
2148+ MVA DC2PT,0DCADD2

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
003496	402C 19C4 0080	2149+	OWI BIT0080,SUPSTAT	
00349C	4324 30DC	2150+	\$TUID,R3	
0034A0	6F13 18BA	2151+	BAL TUMSGWR*,R7	SET UP BUFFER STORAGE GO TO MESSAGE WRITER
0034A4		2152+*		
0034A4	8028 30E5 311B	2153+\$CONX	EQU *	
0034AA	4724 3118	2154+	MVB SCTID+1,SVCAL+3	SETUP CURRENT CYLINDER NUM
0034AE	6017	2155+	MVA SVCAL,R7	ADDR OF RELEASE PARM LIST
0034B0	C720 19D0	2156+	SVC RELSD	RELEASE CONTROL
0034B4	6013	2157+	MVB DEVADD,R7	GET DEVICE ADDRESS FROM MDI
0034B6	6812 3114	2158+	SVC RICB	RELEASE INTERPUPT CONTROL BLOCK
		2159+	B TURTN*	RETURN TO MDI SUPERVISOR
0034BA	0007	2160+*		
0034BC	0008	2161+BEGIN	DC A(0007)	NUMBER OF LINES TO PRINT
0034BE	5C5C40C1C2D6D9E3	2162+	DC A(0008)	LINE LENGTH = 8 CHAR
0034C6	0028	2163+	DC C'*** ABORT'	
0034C8	E3E4C9C440C9D6C9D	2164+	DC A(0040)	LINE LENGTH = 40 CHAR
0034F0	0028	2165+	DC C'TUID IOIN ISB INST	DEV1 DEV2 DEV3 DEV4 '
0034F2	40404040404040404	2166+	DC A(0040)	LINE LENGTH = 40 CHAR
00351A	0028	2167+LINE1	DC C'	
00351C	C3D5E3D340C4C3C2F	2168+	DC A(0040)	LINE LENGTH = 40 CHAR
003544	0028	2169+	DC C'CNTRL DCB2 DCB3 DCB4	DCB5 CHAD BYCT ADRS '
003546	40404040404040404	2170+	DC A(0040)	LINE LENGTH = 40 CHAR
00356E	0028	2171+LINE2	DC C'	
003570	D9E2C9C440C3E260F	2172+	DC A(0040)	LINE LENGTH = 40 CHAR
003598	0028	2173+	DC C'RSID CS-2 CS-3 CS-4	CS-5 CS-6 CS-7 CS-8 '
00359A	40404040404040404	2174+	DC A(0040)	LINE LENGTH = 40 CHAR
		2175+LINE3	DC C'	
		2176+*		
0035C2	0000	2177+BUFPT	DC A(*-*)	
0035C4	34BA	2178+DC2PT	DC A(BEGIN)	
0035C6	0101	2179+FIXTU	DC X'0101'	
0035C8	0101	2180+FAKETU	DC X'0101'	
00P1F0		2181+PIDMSG10	EQU X'P1F0'	
000080		2182+BIT0080	EQU X'0080'	
		2183+*		
		2184+*		
		2185+*		
0035CA	0030	2186+HEBLK	DC A(48)	NUMBER OF BYTES TO CONVERT
0035CC	30DC	2187+	DC A(\$TUID)	FROM ADRS
0035CE	181A	2188+	DC A(TUWORK)	AND THE TO ADRS
000000		2189	END	

DECLARED	NAME	CROSS-REFERENCE LISTING	COPYRIGHT IBM COPP 1976
		ABSOLUTE. HEX VALUE(00000000)	
0	.R0.	1516 1522 1524 1530 1532 1571 1573	
0	.R1.	ABSOLUTE. HEX VALUE(00000001)	
		1511 1512 1514 1515 2135 2138 2141 2144	
0	.R2.	ABSOLUTE. HEX VALUE(00000002)	
		1526 1527 1528 1570 2140 2141	
0	.R3.	ABSOLUTE. HEX VALUE(00000003)	
		1840 1850 1853 1854 1857 1859 1915 1916 1951	
		1957 1963 1964 1986 2009 2039 2084 2086 2087	
0	.R4.	ABSOLUTE. HEX VALUE(00000004)	
		2099 2133 2134 2138 2150	
		1506 1568 1843 1844 1847 1861 1862 1864 1865	
		1868 1874 1880 1952 1953 1955 1959 1963 1992	
		1993 1994 2004 2005 2006 2008 2011 2021 2023	
0	.R5.	ABSOLUTE. HEX VALUE(00000005)	
		2025 2028 2030	
		1520 1521 1851 1853 1855 1857 1873 1878 2000	
		2001 2002 2033 2034 2036 2085 2086 2132 2145	
0	.R6.	ABSOLUTE. HEX VALUE(00000006)	
		1849 1869 1881 1917 2022 2027 2029 2035 2038	
		2040 2054 2100 2102 2137 2142 2143	
0	.P7.	ABSOLUTE. HEX VALUE(00000007)	
		1776 1504 1508 1566 1852 1856 1863 1956 1997	
		2083 2088 2090 2091 2092 2097 2130 2136 2139	
2153	\$CONX	ADDRESS. HEX LOCATION(000034A4) IN CSECT(I7807 )	LENGTH(1)
		1538 1575	
1365	\$INTL	ADDRESS. HEX LOCATION(00003112) IN CSECT(I7807 )	LENGTH(2)
		2002 2096	
1335	\$IOIN	ADDRESS. HEX LOCATION(000030DE) IN CSECT(I7807 )	LENGTH(2)
		1510 1521 1536 1858 1916 1996 2033 2098	
1336	\$ISB	ADDRESS. HEX LOCATION(000030E0) IN CSECT(I7807 )	LENGTH(2)
		1859 1997 2036 2099	
1320	\$LE	ABSOLUTE. HEX VALUE(00000026)	
		1868 2004	
1334	\$TUID	ADDRESS. HEX LOCATION(000030DC) IN CSECT(I7807 )	LENGTH(2)
		1375 1505 1567 2150 2187	
102	\$DCADD1	ADDRESS. HEX LOCATION(000019B8) IN CSECT(I7807 )	LENGTH(1)
		2147	
103	\$DCADD2	ADDRESS. HEX LOCATION(000019BA) IN CSECT(I7807 )	LENGTH(1)
		2148	
39	\$FIXT	ABSOLUTE. HEX VALUE(00000101)	
		582 585 648 651 654 657 660 675 690	
		705 732 735 762 765 792 795 810 825	
		840 855 870 899 926 929 956 959 998	
		1001 1004 1043 1046 1049 1064 1093 1096	
41	\$GOTO	ABSOLUTE. HEX VALUE(00000200)	
		552	
46	\$NVL	ABSOLUTE. HEX VALUE(00000600)	
		885 1079	
38	\$QUES	ABSOLUTE. HEX VALUE(00000100)	
		549	
45	\$TUX	ABSOLUTE. HEX VALUE(00000500)	
		558 570 588 600 612 624 636 663 678	
		693 708 720 738 750 768 780 798 813	
		828 843 858 873 887 902 914 932 944	
		962 974 986 1007 1019 1031 1052 1067 1081	
2161	BEGIN	ADDRESS. HPX LOCATION(000034BA) IN CSECT(I7807 )	LENGTH(2)
		2178	
2182	BIT0080	ABSOLUTE. HEX VALUE(00000080)	
		2149	
2177	BUFPT	ADDRESS. HEX LOCATION(000035C2) IN CSECT(I7807 )	LENGTH(2)
		2134	
1324	CE	ABSOLUTE. HEX VALUE(0000002A)	
		1843 1955 2025	
1404	CICB	ABSOLUTE. HEX VALUE(00000014)	
		1509 2093	
1322	CS	ABSOLUTE. HEX VALUE(00000028)	
		1844 1847 1953 1994 2023	
1323	CSA	ABSOLUTE. HEX VALUE(00000029)	
		2028	
1353	CSBUF	ADDRESS. HEX LOCATION(000030FC) IN CSECT(I7807 )	LENGTH(1)
		1656 1855	
1649	CSDCB	ADDRESS. HEX LOCATION(00003214) IN CSECT(I7807 )	LENGTH(2)
		1845	
1361	CSTL8	ADDRESS. HEX LOCATION(0000310A) IN CSECT(I7807 )	LENGTH(2)
		1956 1957	
1343	DCBUF	ADDRESS. HEX LOCATION(000030EC) IN CSECT(I7807 )	LENGTH(1)
		1850	
2178	DC2PT	ADDRESS. HEX LOCATION(000035C4) IN CSECT(I7807 )	LENGTH(2)
		2148	
105	DEVADD	ADDRESS. HEX LOCATION(000019D0) IN CSECT(I7807 )	LENGTH(1)
		1368 1513 1527 2044 2053 2157	
1338	DEV1	ADDRESS. HEX LOCATION(000030E4) IN CSECT(I7807 )	LENGTH(2)
		1342 2085	
67	DUMMY	ABSOLUTE. HEX VALUE(00000000)	
		540 1098 1113	
1099	ENTPT	ADDRESS. HEX LOCATION(000029AE) IN CSECT(I7807 )	LENGTH(1)
		198	
47	EQ	ABSOLUTE. HEX VALUE(00000000)	
		561 573 591 603 615 627 639 666 681	
		696 711 723 741 753 771 783 801 816	
		831 846 861 876 890 905 917 935 947	
		965 977 989 1010 1022 1034 1055 1070 1084	
1315	EP	ABSOLUTE. HEX VALUE(00000021)	
		1861 1880 1963 2005 2030	
1390	EXIT	ABSOLUTE. HEX VALUE(00000006)	
		2012	
2180	FAKETU	ADDRESS. HEX LOCATION(000035C8) IN CSECT(I7807 )	LENGTH(2)
		2147	
1165	F00014	ADDRESS. HEX LOCATION(00002BE6) IN CSECT(I7807 )	LENGTH(1)
		655 676 691 706 733 763 793 811 826	
		841 856 871 900 927 957 999 1044 1065	
		1094	
1121	F00039	ADDRESS. HEX LOCATION(000029E8) IN CSECT(I7807 )	LENGTH(1)
		553	
1125	F00048	ADDRESS. HEX LOCATION(000029CE) IN CSECT(I7807 )	LENGTH(1)
		583	
1133	F00051	ADDRESS. HEX LOCATION(00002A30) IN CSECT(I7807 )	LENGTH(1)
		586	
1145	F00070	ADDRESS. HEX LOCATION(00002ADA) IN CSECT(I7807 )	LENGTH(1)

CROSS-REFERENCE LISTING

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
1179	F00073	649 ADDRESS. HEX LOCATION(00002C8E) IN CSECT(I7807 ) LENGTH(1)
1153	F00076	661 ADDRESS. HEX LOCATION(00002B3C) IN CSECT(I7807 ) LENGTH(1)
1171	F00082	652 ADDRESS. HEX LOCATION(00002C2E) IN CSECT(I7807 ) LENGTH(1)
1187	F00119	658 ADDRESS. HEX LOCATION(00002CEC) IN CSECT(I7807 ) LENGTH(1)
1195	F00133	736 ADDRESS. HEX LOCATION(00002D4C) IN CSECT(I7807 ) LENGTH(1)
1203	F00147	766 ADDRESS. HEX LOCATION(00002DAC) IN CSECT(I7807 ) LENGTH(1)
1215	F00207	796 ADDRESS. HEX LOCATION(00002E22) IN CSECT(I7807 ) LENGTH(1)
1223	F00221	930 ADDRESS. HEX LOCATION(00002E82) IN CSECT(I7807 ) LENGTH(1)
1241	F00237	960 ADDRESS. HEX LOCATION(00002F48) IN CSECT(I7807 ) LENGTH(1)
1231	F00240	1005 ADDRESS. HEX LOCATION(00002EE2) IN CSECT(I7807 ) LENGTH(1)
1259	F00256	1002 ADDRESS. HEX LOCATION(00003018) IN CSECT(I7807 ) LENGTH(1)
1249	F00259	1050 ADDRESS. HEX LOCATION(00002FA8) IN CSECT(I7807 ) LENGTH(1)
1271	F00280	1047 ADDRESS. HEX LOCATION(0000308E) IN CSECT(I7807 ) LENGTH(1)
2186	HEBLK	1097 ADDRESS. HEX LOCATION(000035CA) IN CSECT(I7807 ) LENGTH(2)
1410	HTOE	2130 ABSOLUTE. HEX VALUE(0000001A)
1386	IDLE	2131 ABSOLUTE. HEX VALUE(00000002)
1317	IN	1572 1876 ABSOLUTE. HEX VALUE(00000023)
2053	INTBL	1862 1874 1993 ADDRESS. HEX LOCATION(0000340E) IN CSECT(I7807 ) LENGTH(2)
1950	INTER	1508 2092 ADDRESS. HEX LOCATION(00003376) IN CSECT(I7807 ) LENGTH(2)
1959	INTES	2055 ADDRESS. HEX LOCATION(0000338E) IN CSECT(I7807 ) LENGTH(2)
1963	INTET	1954 ADDRESS. HEX LOCATION(00003396) IN CSECT(I7807 ) LENGTH(2)
1990	INTOK	1960 ADDRESS. HEX LOCATION(0000339A) IN CSECT(I7807 ) LENGTH(2)
63	INTRNL	2054 ABSOLUTE. HEX VALUE(00000000)
2012	INTRX	556 ADDRESS. HEX LOCATION(000033CA) IN CSECT(I7807 ) LENGTH(2)
1993	INTR1	2007 2010 ADDRESS. HEX LOCATION(000033A2) IN CSECT(I7807 ) LENGTH(2)
1998	INTR2	1958 1962 1964 ADDRESS. HEX LOCATION(000033B0) IN CSECT(I7807 ) LENGTH(1)
2006	INTR3	1995 ADDRESS. HEX LOCATION(000033BE) IN CSECT(I7807 ) LENGTH(2)
2044	IOBLK	2003 ADDRESS. HEX LOCATION(00003402) IN CSECT(I7807 ) LENGTH(2)
2046	IODCB	1863 2097 ADDRESS. HEX LOCATION(00003406) IN CSECT(I7807 ) LENGTH(2)
2047	IOMOD	1845 1851 2096 ADDRESS. HEX LOCATION(00003408) IN CSECT(I7807 ) LENGTH(2)
37	I7807	1840 1846 CSECT. START(00002500) LENGTH(4304) ESDID(0)
2167	LINE1	37 ADDRESS. HEX LOCATION(000034F2) IN CSECT(I7807 ) LENGTH(40)
1337	LSTIO	2135 ADDRESS. HEX LOCATION(000030E2) IN CSECT(I7807 ) LENGTH(2)
1314	MI	1849 2100 ABSOLUTE. HEX VALUE(00000020)
2138	MVBUF	2008 ADDRESS. HEX LOCATION(00003472) IN CSECT(I7807 ) LENGTH(2)
1326	NG	2142 2145 ABSOLUTE. HEX VALUE(0000002C)
1321	NI	2011 ABSOLUTE. HEX VALUE(00000027)
549	N00001	1868 ADDRESS. HEX LOCATION(00002630) IN CSECT(I7807 ) LENGTH(2)
552	N00002	315 1109 ADDRESS. HEX LOCATION(00002634) IN CSECT(I7807 ) LENGTH(2)
558	N00003	318 ADDRESS. HEX LOCATION(00002640) IN CSECT(I7807 ) LENGTH(2)
570	N00004	321 550 ADDRESS. HEX LOCATION(00002656) IN CSECT(I7807 ) LENGTH(2)
582	N00005	324 ADDRESS. HEX LOCATION(00002668) IN CSECT(I7807 ) LENGTH(2)
585	N00006	327 ADDRESS. HEX LOCATION(0000266C) IN CSECT(I7807 ) LENGTH(2)
588	N00007	330 371 ADDRESS. HEX LOCATION(00002670) IN CSECT(I7807 ) LENGTH(2)
600	N00008	333 559 ADDRESS. HEX LOCATION(00002688) IN CSECT(I7807 ) LENGTH(2)
612	N00009	336 ADDRESS. HEX LOCATION(0000269A) IN CSECT(I7807 ) LENGTH(2)
624	N00010	339 ADDRESS. HEX LOCATION(000026AC) IN CSECT(I7807 ) LENGTH(2)
636	N00011	342 ADDRESS. HEX LOCATION(000026BE) IN CSECT(I7807 ) LENGTH(2)
648	N00012	345 ADDRESS. HEX LOCATION(000026D6) IN CSECT(I7807 ) LENGTH(2)
651	N00013	348 ADDRESS. HEX LOCATION(000026DA) IN CSECT(I7807 ) LENGTH(2)
654	N00014	351 637 ADDRESS. HEX LOCATION(000026DE) IN CSECT(I7807 ) LENGTH(2)
657	N00015	354 625 ADDRESS. HEX LOCATION(000026E2) IN CSECT(I7807 ) LENGTH(2)
660	N00016	357 613 ADDRESS. HEX LOCATION(000026E6) IN CSECT(I7807 ) LENGTH(2)
663	N00017	360 601 ADDRESS. HEX LOCATION(000026EA) IN CSECT(I7807 ) LENGTH(2)
675	N00018	363 589 1112 ADDRESS. HEX LOCATION(00002700) IN CSECT(I7807 ) LENGTH(2)
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DECLARED	NAME	ATTRIBUTES AND REFERENCES
678	N00019	369 ADDRESS. HEX LOCATION(00002704) IN CSECT(I7807 ) LENGTH(2)
690	N00020	664 ADDRESS. HEX LOCATION(0000271A) IN CSECT(I7807 ) LENGTH(2)
693	N00021	372 ADDRESS. HEX LOCATION(0000271E) IN CSECT(I7807 ) LENGTH(2)
705	N00022	375 679 ADDRESS. HEX LOCATION(00002734) IN CSECT(I7807 ) LENGTH(2)
708	N00023	378 ADDRESS. HEX LOCATION(00002738) IN CSECT(I7807 ) LENGTH(2)
720	N00024	381 694 ADDRESS. HEX LOCATION(0000274E) IN CSECT(I7807 ) LENGTH(2)
732	N00025	384 ADDRESS. HEX LOCATION(00002760) IN CSECT(I7807 ) LENGTH(2)
735	N00026	387 ADDRESS. HEX LOCATION(00002764) IN CSECT(I7807 ) LENGTH(2)
738	N00027	390 721 ADDRESS. HEX LOCATION(00002768) IN CSECT(I7807 ) LENGTH(2)
750	N00028	393 709 ADDRESS. HEX LOCATION(0000277E) IN CSECT(I7807 ) LENGTH(2)
762	N00029	396 ADDRESS. HEX LOCATION(00002790) IN CSECT(I7807 ) LENGTH(2)
765	N00030	399 ADDRESS. HEX LOCATION(00002794) IN CSECT(I7807 ) LENGTH(2)
768	N00031	402 751 ADDRESS. HEX LOCATION(00002798) IN CSECT(I7807 ) LENGTH(2)
780	N00032	405 739 ADDRESS. HEX LOCATION(000027AE) IN CSECT(I7807 ) LENGTH(2)
792	N00033	408 ADDRESS. HEX LOCATION(000027C0) IN CSECT(I7807 ) LENGTH(2)
795	N00034	411 ADDRESS. HEX LOCATION(000027C4) IN CSECT(I7807 ) LENGTH(2)
798	N00035	414 781 ADDRESS. HEX LOCATION(000027C8) IN CSECT(I7807 ) LENGTH(2)
810	N00036	417 759 ADDRESS. HEX LOCATION(000027DE) IN CSECT(I7807 ) LENGTH(2)
813	N00037	420 ADDRESS. HEX LOCATION(000027E2) IN CSECT(I7807 ) LENGTH(2)
825	N00038	423 799 ADDRESS. HEX LOCATION(000027F8) IN CSECT(I7807 ) LENGTH(2)
828	N00039	426 ADDRESS. HEX LOCATION(000027FC) IN CSECT(I7807 ) LENGTH(2)
840	N00040	429 814 ADDRESS. HEX LOCATION(00002812) IN CSECT(I7807 ) LENGTH(2)
843	N00041	432 ADDRESS. HEX LOCATION(00002816) IN CSECT(I7807 ) LENGTH(2)
855	N00042	435 829 ADDRESS. HEX LOCATION(00002828) IN CSECT(I7807 ) LENGTH(2)
858	N00043	438 ADDRESS. HEX LOCATION(0000282C) IN CSECT(I7807 ) LENGTH(2)
870	N00044	441 844 ADDRESS. HEX LOCATION(00002842) IN CSECT(I7807 ) LENGTH(2)
873	N00045	444 ADDRESS. HEX LOCATION(00002846) IN CSECT(I7807 ) LENGTH(2)
885	N00046	447 859 ADDRESS. HEX LOCATION(00002858) IN CSECT(I7807 ) LENGTH(2)
887	N00047	450 ADDRESS. HEX LOCATION(0000285A) IN CSECT(I7807 ) LENGTH(2)
899	N00048	453 874 ADDRESS. HEX LOCATION(00002870) IN CSECT(I7807 ) LENGTH(2)
902	N00049	456 ADDRESS. HEX LOCATION(00002874) IN CSECT(I7807 ) LENGTH(2)
914	N00050	459 888 ADDRESS. HEX LOCATION(0000288A) IN CSECT(I7807 ) LENGTH(2)
926	N00051	462 ADDRESS. HEX LOCATION(0000289C) IN CSECT(I7807 ) LENGTH(2)
929	N00052	465 ADDRESS. HEX LOCATION(000028A0) IN CSECT(I7807 ) LENGTH(2)
932	N00053	468 915 ADDRESS. HEX LOCATION(000028A4) IN CSECT(I7807 ) LENGTH(2)
944	N00054	471 903 ADDRESS. HEX LOCATION(000028BA) IN CSECT(I7807 ) LENGTH(2)
956	N00055	474 ADDRESS. HEX LOCATION(000028CC) IN CSECT(I7807 ) LENGTH(2)
959	N00056	477 ADDRESS. HEX LOCATION(000028D0) IN CSECT(I7807 ) LENGTH(2)
962	N00057	480 945 ADDRESS. HEX LOCATION(000028D4) IN CSECT(I7807 ) LENGTH(2)
974	N00058	483 933 ADDRESS. HEX LOCATION(000028EA) IN CSECT(I7807 ) LENGTH(2)
986	N00059	486 ADDRESS. HEX LOCATION(000028FC) IN CSECT(I7807 ) LENGTH(2)
998	N00060	489 ADDRESS. HEX LOCATION(0000290E) IN CSECT(I7807 ) LENGTH(2)
1001	N00061	492 ADDRESS. HEX LOCATION(00002912) IN CSECT(I7807 ) LENGTH(2)
1004	N00062	495 987 ADDRESS. HEX LOCATION(00002916) IN CSECT(I7807 ) LENGTH(2)
1007	N00063	498 975 ADDRESS. HEX LOCATION(0000291A) IN CSECT(I7807 ) LENGTH(2)
1019	N00064	501 963 ADDRESS. HEX LOCATION(00002930) IN CSECT(I7807 ) LENGTH(2)
1031	N00065	504 ADDRESS. HEX LOCATION(00002942) IN CSECT(I7807 ) LENGTH(2)
1043	N00066	507 ADDRESS. HEX LOCATION(00002954) IN CSECT(I7807 ) LENGTH(2)
1046	N00067	510 ADDRESS. HEX LOCATION(00002958) IN CSECT(I7807 ) LENGTH(2)
1049	N00068	513 1032 ADDRESS. HEX LOCATION(0000295C) IN CSECT(I7807 ) LENGTH(2)
1052	N00069	516 1020 ADDRESS. HEX LOCATION(00002960) IN CSECT(I7807 ) LENGTH(2)
1064	N00070	519 1008 ADDRESS. HEX LOCATION(00002976) IN CSECT(I7807 ) LENGTH(2)
1067	N00071	522 ADDRESS. HEX LOCATION(0000297A) IN CSECT(I7807 ) LENGTH(2)
1079	N00072	525 1053 ADDRESS. HEX LOCATION(0000298C) IN CSECT(I7807 ) LENGTH(2)
1081	N00073	528 ADDRESS. HEX LOCATION(0000298E) IN CSECT(I7807 ) LENGTH(2)
1093	N00074	531 1068 ADDRESS. HEX LOCATION(000029A4) IN CSECT(I7807 ) LENGTH(2)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
1096	N00075	534 ADDRESS. HEX LOCATION(000029A8) IN CSECT(I7807 ) LENGTH(2)
1279	OPTN1	537 1082 ADDRESS. HEX LOCATION(000030D6) IN CSECT(I7807 ) LENGTH(2)
1302	OPTN3	1506 1568 1952 1992 ADDRESS. HEX LOCATION(000030DA) IN CSECT(I7807 ) LENGTH(2)
101	PARMARA	2039 2087 ADDRESS. HEX LOCATION(0000196E) IN CSECT(I7807 ) LENGTH(1)
69	PID	568 580 598 610 622 634 646 673 688 703 718 730 748 760 778 790 808 823 838 853 868 883 897 912 924 942 954 972 984 996 1017 1029 1041 1062 1077 1091 ADDRESS. HEX LOCATION(00001800) IN CSECT(I7807 ) LENGTH(1)
2181	PIDMSG10	71 72 73 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 2146 ABSOLUTE. HEX VALUE(0000F1F0)
1396	PREP	2146 ABSOLUTE. HEX VALUE(0000000C)
1407	RELSD	2101 ABSOLUTE. HEX VALUE(00000017)
1406	REQSD	2156 ABSOLUTE. HEX VALUE(00000016)
1403	RICB	2089 ABSOLUTE. HEX VALUE(00000013)
1342	SCTID	2158 ADDRESS. HEX LOCATION(000030E4) IN CSECT(I7807 ) LENGTH(2)
1394	START	1621 1633 1711 2154 ABSOLUTE. HEX VALUE(0000000A)
104	SUPSTAT	1866 ADDRESS. HEX LOCATION(000019C4) IN CSECT(I7807 ) LENGTH(1)
1368	SVCAL	2149 ADDRESS. HEX LOCATION(00003118) IN CSECT(I7807 ) LENGTH(2)
92	TUMSGWTR	2088 2154 2155 ADDRESS. HEX LOCATION(000018BA) IN CSECT(I7807 ) LENGTH(1)
76	TUPARM1	2151 ADDRESS. HEX LOCATION(0000189A) IN CSECT(I7807 ) LENGTH(1)
98	TURESUL	1511 ADDRESS. HEX LOCATION(000018C8) IN CSECT(I7807 ) LENGTH(1)
1366	TURTN	1528 1535 1536 1570 ADDRESS. HEX LOCATION(00003114) IN CSECT(I7807 ) LENGTH(2)
74	TUSTATUS	1504 1566 2159 ADDRESS. HEX LOCATION(00001818) IN CSECT(I7807 ) LENGTH(1)
75	TUWORK	2129 ADDRESS. HEX LOCATION(0000181A) IN CSECT(I7807 ) LENGTH(1)
1543	T3C00I	2133 2188 ADDRESS. HEX LOCATION(00003192) IN CSECT(I7807 ) LENGTH(2)
1530	T3C00N	1512 1513 1514 1515 1516 1518 1526 1535 ADDRESS. HEX LOCATION(0000317A) IN CSECT(I7807 ) LENGTH(2)
1535	T3C00S	1525 ADDRESS. HEX LOCATION(00003182) IN CSECT(I7807 ) LENGTH(6)
1536	T3C00X	1523 1531 ADDRESS. HEX LOCATION(00003188) IN CSECT(I7807 ) LENGTH(6)
1375	T3C02	1529 1533 ADDRESS. HEX LOCATION(0000311C) IN CSECT(I7807 ) LENGTH(6)
1572	T777	572 602 614 626 722 752 782 845 916 946 976 988 1021 1033 ADDRESS. HEX LOCATION(000031AC) IN CSECT(I7807 ) LENGTH(2)
1504	T7800	1573 ADDRESS. HEX LOCATION(00003124) IN CSECT(I7807 ) LENGTH(4)
1566	T7805	560 590 638 665 680 695 710 740 770 800 815 830 860 889 904 934 964 1009 1054 1083 ADDRESS. HEX LOCATION(00003196) IN CSECT(I7807 ) LENGTH(4)
1732	WRSID	875 1069 ADDRESS. HEX LOCATION(0000329A) IN CSECT(I7807 ) LENGTH(2)
1318	XE	1611 1700 ABSOLUTE. HEX VALUE(00000024)
1316	XI	1959 2021 ABSOLUTE. HEX VALUE(00000022)
2021	XIOCK	1865 2006 ADDRESS. HEX LOCATION(000033CC) IN CSECT(I7807 ) LENGTH(2)
2028	XIOCO	1875 ADDRESS. HEX LOCATION(000033DE) IN CSECT(I7807 ) LENGTH(2)
1845	XIOCS	2026 ADDRESS. HEX LOCATION(0000330E) IN CSECT(I7807 ) LENGTH(6)
2030	XIOCV	2037 ADDRESS. HEX LOCATION(000033E2) IN CSECT(I7807 ) LENGTH(2)
2039	XIOCX	2024 ADDRESS. HEX LOCATION(000033FC) IN CSECT(I7807 ) LENGTH(4)
1914	XIOER	2031 ADDRESS. HEX LOCATION(0000336A) IN CSECT(I7807 ) LENGTH(2)
1849	XIO1	2045 ADDRESS. HEX LOCATION(0000331E) IN CSECT(I7807 ) LENGTH(4)
1862	XIO2	1841 ADDRESS. HEX LOCATION(00003344) IN CSECT(I7807 ) LENGTH(2)
1874	XIO8	1848 ADDRESS. HEX LOCATION(00003358) IN CSECT(I7807 ) LENGTH(2)