

[illegible][illegible][illegible]

```
DDDDDDDD  EEEEEEEEE  LL      EEEEEEEEE  TTTTTTTTT  IIIIII  000000  NN      NN
DDDDDDDD  EEEEEEEEE  LL      EEEEEEEEE  TTTTTTTTT  IIIIII  000000  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DD      DD  EEEEEEEE  LL      EEEEEEEE  TT      II      00      00  NN      NN
DD      DD  EEEEEEEE  LL      EEEEEEEE  TT      II      00      00  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DD      DD  EE      LL      EE      TT      II      00      00  NN      NN
DDDDDDDD  EEEEEEEEE  LL      EEEEEEEEE  TT      TT      IIIIII  000000  NN      NN
DDDDDDDD  EEEEEEEEE  LL      EEEEEEEEE  TT      TT      IIIIII  000000  NN      NN
LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
```



```
1 0001 0 MODULE DELETION (%TITLE 'Process deletion'
2 0002 0 IDENT = 'V04-000'
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY:
33 0033 1 Job controller.
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1 This module contains the routines that handle process deletion.
37 0037 1
38 0038 1 ENVIRONMENT:
39 0039 1 VAX/VMS user and kernel mode.
40 0040 1 --
41 0041 1
42 0042 1 AUTHOR: M. Jack, CREATION DATE: 16-Feb-1982
43 0043 1
44 0044 1 MODIFIED BY:
45 0045 1
46 0046 1 V03-004 MLJ0114 Martin L. Jack, 23-Jun-1983 4:57
47 0047 1 Changes for job controller baselevel.
48 0048 1
49 0049 1 V03-003 MLJ0112 Martin L. Jack, 29-Apr-1983 2:55
50 0050 1 Changes for job controller baselevel.
51 0051 1
52 0052 1 V03-002 MLJ0109 Martin L. Jack, 14-Apr-1983 12:46
53 0053 1 Changes for job controller baselevel.
54 0054 1
55 0055 1 V03-001 MLJ0106 Martin L. Jack, 1-Mar-1983 13:48
56 0056 1 Changes for extended PIDs.
57 0057 1
```


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Process deletion

; 58

0058 1 !**

¹₂
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[JOBCTL.SRC]DELETION.B32;1

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Process deletion

J 2
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:	60	0059	1	REQUIRE 'SRC\$:JOBCTLDEF';	
:	61	1100	1		
:	62	1101	1		
:	63	1102	1	FORWARD ROUTINE	
:	64	1103	1	PROCESS_DELETION:	NOVALUE;
:	65	1104	1		
:	66	1105	1		
:	67	1106	1	EXTERNAL ROUTINE	
:	68	1107	1	BATCH DELETION:	NOVALUE,
:	69	1108	1	DELETE_GETQUI_CONTEXT:	NOVALUE,
:	70	1109	1	DELETE-SJH_RECORD:	NOVALUE,
:	71	1110	1	DEQUEUE_OPEN_JOB:	L_OUTPUT_1,
:	72	1111	1	FIND_PROCESS_DATA:	L_OUTPUT_3,
:	73	1112	1	LOCK_QUEUE_FILE:	NOVALUE,
:	74	1113	1	SYMBIONT DELETION:	NOVALUE,
:	75	1114	1	UNLOCK_QUEUE_FILE:	NOVALUE,
:	76	1115	1	WRITE_ACCOUNTING_RECORD:	NOVALUE;


```

78 1116 1 GLOBAL ROUTINE PROCESS_DELETION: NOVALUE=
79 1117 1
80 1118 1 ++
81 1119 1
82 1120 1 FUNCTIONAL DESCRIPTION:
83 1121 1 This routine processes the message type:
84 1122 1 MSG$ DELPROC process deletion
85 1123 1 by updating the appropriate system data structures and writing an
86 1124 1 accounting record.
87 1125 1
88 1126 1 INPUT PARAMETERS:
89 1127 1 NONE
90 1128 1
91 1129 1 IMPLICIT INPUTS:
92 1130 1 MBX - Pointer to buffered mailbox message.
93 1131 1
94 1132 1 OUTPUT PARAMETERS:
95 1133 1 NONE
96 1134 1
97 1135 1 IMPLICIT OUTPUTS:
98 1136 1 Process data base updated.
99 1137 1
100 1138 1 ROUTINE VALUE:
101 1139 1 NONE
102 1140 1
103 1141 1 SIDE EFFECTS:
104 1142 1 NONE
105 1143 1
106 1144 1 --
107 1145 1
108 1146 2 BEGIN
109 1147 2 LOCAL
110 1148 2 TYPE,
111 1149 2 P1: REF BBLOCK, ! Process type
112 1150 2 P2: REF BBLOCK, ! Type-specific parameters
113 1151 2 OPEN_JOB, ! True if process has an open job
114 1152 2 SJH_N, ! Record number of SJH
115 1153 2 SJH: REF BBLOCK; ! Pointer to SJH
116 1154 2
117 1155 2
118 1156 2 ! Check whether this process had an open $GETQUI.
119 1157 2
120 1158 2 DELETE_GETQUI_CONTEXT(.MBX[ACM$$_PID]);
121 1159 2
122 1160 2
123 1161 2 ! Check whether this process had an open job.
124 1162 2
125 1163 2 OPEN_JOB = FIND_PROCESS_DATA(PDE_K_OPEN_JOB, .MBX[ACM$$_PID], TRUE; , SJH_N);
126 1164 2
127 1165 2
128 1166 2 IF .QUEUE_FAB[FAB$W_IF1] NEQ 0
129 1167 2 THEN
130 1168 3 BEGIN
131 1169 3
132 1170 3 ! Lock the queue file.
133 1171 3
134 1172 3 LOCK_QUEUE_FILE();
```

```
135 1173 3
136 1174 3
137 1175 3      ! If this process had an open job, delete it.
138 1176 3      !
139 1177 3      IF .OPEN_JOB
140 1178 3      THEN
141 1179 3          IF DEQUEUE_OPEN_JOB(.SJH_N; SJH)
142 1180 3          THEN
143 1181 3              DELETE_SJH_RECORD(.SJH_N, .SJH);
144 1182 2      END;
145 1183 2
146 1184 2      ! Do type-specific processing.
147 1185 2      !
148 1186 2      IF FIND_PROCESS_DATA(PDE_K_ANY, .MBX[ACM$L_PID], TRUE; TYPE, P1, P2)
149 1187 2      THEN
150 1188 2          BEGIN
151 1189 3          CASE .TYPE FROM PDE_K_BATCH TO PDE_K_SYMBIONT OF
152 1190 3              SET
153 1191 3
154 1192 3          [PDE_K_BATCH]:
155 1193 3              BEGIN
156 1194 3                  ! If the process was a batch process, decrement the system batch
157 1195 4                  ! job count and free the job records.
158 1196 4
159 1197 4                  IF .QUEUE_FAB[FAB$W_IFI] NEQ 0
160 1198 4                  THEN
161 1199 4                      BEGIN
162 1200 4                          BATCH_DELETION(.P1, .P2);
163 1201 4                          UNLOCK_QUEUE_FILE();
164 1202 5                      END;
165 1203 5
166 1204 5                  RETURN;
167 1205 4                  END;
168 1206 4
169 1207 3          END;
170 1208 3
171 1209 3          [PDE_K_SYMBIONT]:
172 1210 3              BEGIN
173 1211 4                  ! If the process was a symbiont process, clean up the structures.
174 1212 4
175 1213 4                  IF .QUEUE_FAB[FAB$W_IFI] NEQ 0
176 1214 4                  THEN
177 1215 4                      SYMBIONT_DELETION();
178 1216 4                  END;
179 1217 4
180 1218 3
181 1219 3          TES;
182 1220 3      END;
183 1221 2
184 1222 2      ! Unlock the queue file.
185 1223 2      !
186 1224 2      IF .QUEUE_FAB[FAB$W_IFI] NEQ 0
187 1225 2      THEN
188 1226 2          UNLOCK_QUEUE_FILE();
189 1227 2
190 1228 2
191 1229 2
```


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```
: 192      1230  2
: 193      1231  2
: 194      1232  2 ! Write the accounting record for the process.
: 195      1233  2 !
: 196      1234  2 WRITE_ACCOUNTING_RECORD(0, 0, .MBX);
: 197      1235  1 END;
```

.TITLE DELETION Process deletion
.IDENT \V04-000\

.PSECT COMMON,NOEXE, OVR,2

```
00000 DIAG_STORAGE_BASE:
      .BLKB 0
00000 DIAG_TRACE:
      .BLKB 96
00060 DIAG_COUNT:
      .BLKB 96
000C0 DIAG_FLAGS:
      .BLKB 4
000C4 WORK_AREA:
      .BLKB 44
000F0 SNDJBC_COUNT:
      .BLKB 132
00174 GETQUI_COUNT:
      .BLKB 40
0019C SNDACC_COUNT:
      .BLKB 28
001B8 SNDSMB_COUNT:
      .BLKB 72
00200 DIAG_STORAGE_END:
      .BLKB 0
00200 FLAGS:
      .BLKB 4
00204 IMAGE_DUMP_STSFLG:
      .BLKB 4
00208 THIS_SYSID:
      .BLKB 6
0020E
      .BLKB 2
00210 CUR_TIME:
      .BLKB 8
00218 HOURLY_TIME:
      .BLKB 8
00220 HOURLY_PARAMS:
      .BLKB 20
00234 SYMBIONT_COUNT:
      .BLKB 4
00238 QUEUE_REFERENCE_COUNT:
      .BLKB 4
0023C MBX_MESSAGE_COUNT:
      .BLKB 4
00240 MBX:
      .BLKB 4
00244 MBX_END:
      .BLKB 4
00248 MEMORY_FREE_QUEUES:
      .BLKB 40
00270 NONAST_WORK_QUEUE:
      .BLKB 8
```


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00278 BCB_FREE_LIST:
 .BKLB 4
0027C BCB_ACTIVE_LIST:
 .BKLB 4
00280 GQL_FREE_LIST:
 .BKLB 4
00284 GQL_ACTIVE_LIST:
 .BKLB 4
00288 OPEN_GETQUI_LIST:
 .BKLB 4
0028C PROCESS_DATA_LIST:
 .BKLB 4
00290 SYMBIONT_CONTROL:
 .BKLB 4
00294 SPARE_AREA:
 .BKLB 12
002A0 REMOTE_REQUEST_LKSB:
 .BKLB 8
002AB QUEUE_FILE_LKSB:
 .BKLB 8
002B0 QUEUE_LOCK_LKSB:
 .BKLB 8
002B8 RSP: .BKLB 8
002C0 JBC_PRIORITY:
 .BKLB 4
002C4 JBC_PRIVILEGES:
 .BKLB 8
002CC JBC_QUOTAS:
 .BKLB 66
0030E .BKLB 2
00310 JBC_UIC: .BKLB 4
00314 QUEUE_FAB:
 .BKLB 80
00364 QUEUE_RAB:
 .BKLB 68
003A8 QUEUE_NAM:
 .BKLB 96
00408 QUEUE_XAB:
 .BKLB 88
00460 QUEUE_RSA:
 .BKLB 255
0055F .BKLB 1
00560 QUEUE_ALQ:
 .BKLB 4
00564 QUEUE_MBF:
 .BKLB 1
00565 .BKLB 3
00568 ACCOUNTING_FABS:
 .BKLB 8
00570 ACCOUNTING_RABS:
 .BKLB 8
00578 ACCOUNT_FAB_A:
 .BKLB 80
005C8 ACCOUNT_RAB_A:
 .BKLB 68
0060C ACCOUNT_NAM_A:
 .BKLB 96

```

0066C ACCOUNT_RSA A:
      .BLKB 255
0076B      .BLKB 1
0076C ACCOUNT_FAB B:
      .BLKB 80
007BC ACCOUNT_RAB B:
      .BLKB 68
00800 ACCOUNT_NAM B:
      .BLKB 96
00860 ACCOUNT_RSA B:
      .BLKB 255
0095F      .BLKB 1
00960 DIAG_FAB:
      .BLKB 80
009B0 DIAG_RAB:
      .BLKB 68
009F4 MBX_CHAN:
      .BLKB 4
009F8 MBX_IOSB:
      .BLKB 8
00A00 MBX_BUFFER:
      .BLKB 1024
00E00 VALUE_STORAGE_BASE:
      .BLKB 0
00E00 ITEM_PRESENT:
      .BLKB 32
00E20 VALUE_GETQUI BASE:
      .BLKB 0
00E20 VALUE_ACCOUNTING_MESSAGE:
      .BLKB 6
00E26 VALUE_ACCOUNTING_TYPES:
      .BLKB 4
00E2A VALUE_AFTER_TIME:
      .BLKB 8
00E32 VALUE_ALIGNMENT_PAGES:
      .BLKB 1
00E33 VALUE_BASE_PRIORITY:
      .BLKB 1
00E34 VALUE_BATCH_INPUT:
      .BLKB 6
00E3A VALUE_BATCH_OUTPUT:
      .BLKB 10
00E44 VALUE_BUFFER_COUNT:
      .BLKB 1
00E45 VALUE_CHARACTERISTIC_NAME:
      .BLKB 6
00E4B VALUE_CHARACTERISTIC_NUMBER:
      .BLKB 1
00E4C VALUE_CHARACTERISTICS:
      .BLKB 16
00E5C VALUE_CHECKPOINT_DATA:
      .BLKB 8
00E62 VALUE_CLI:
      .BLKB 6
00E68 VALUE_CPU_DEFAULT:
      .BLKB 4
00E6C VALUE_CPU_LIMIT:

```



```

                                .BLKB 4
00E70 VALUE_DESTINATION_QUEUE:
                                .BLKB 8
00E78 VALUE_DEVICE_NAME:
                                .BLKB 6
00E7E VALUE_ENTRY_NUMBER:
                                .BLKB 4
00E82 VALUE_ENTRY_NUMBER_OUTPUT:
                                .BLKB 10
00E8C VALUE_EXTEND QUANTITY:
                                .BLKB 2
00E8E VALUE_FILE_COPIES:
                                .BLKB 1
00E8F VALUE_FILE_IDENTIFICATION:
                                .BLKB 36
00EB3 VALUE_FILE_SETUP_MODULES:
                                .BLKB 8
00EB9 VALUE_FILE_SPECIFICATION:
                                .BLKB 6
00EBF VALUE_FIRST_PAGE:
                                .BLKB 4
00EC3 VALUE_FORM_DESCRIPTION:
                                .BLKB 6
00EC9 VALUE_FORM_LENGTH:
                                .BLKB 1
00ECA VALUE_FORM_MARGIN_BOTTOM:
                                .BLKB 1
00ECB VALUE_FORM_MARGIN_LEFT:
                                .BLKB 2
00ECD VALUE_FORM_MARGIN_RIGHT:
                                .BLKB 2
00ECF VALUE_FORM_MARGIN_TOP:
                                .BLKB 1
00ED0 VALUE_FORM_NAME:
                                .BLKB 6
00ED6 VALUE_FORM_NUMBER:
                                .BLKB 4
00EDA VALUE_FORM:
                                .BLKB 8
00EE2 VALUE_FORM_SETUP_MODULES:
                                .BLKB 8
00EE8 VALUE_FORM_STOCK:
                                .BLKB 6
00EEE VALUE_FORM_WIDTH:
                                .BLKB 2
00EF0 VALUE_GENERIC_TARGET:
                                .BLKB 996
012D4 VALUE_JOB_COPIES:
                                .BLKB 1
012D5 VALUE_JOB_LIMIT:
                                .BLKB 1
012D6 VALUE_JOB_NAME:
                                .BLKB 6
012DC VALUE_JOB_RESET_MODULES:
                                .BLKB 6
012E2 VALUE_JOB_SIZE_MAXIMUM:
                                .BLKB 4

```

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012E6 VALUE_JOB_SIZE_MINIMUM:
 .BKLB 4
012EA VALUE_JOB_STATUS_OUTPUT:
 .BKLB 10
012F4 VALUE_LAST_PAGE:
 .BKLB 4
012F8 VALUE_LIBRARY_SPECIFICATION:
 .BKLB 6
012FE VALUE_LOG_QUEUE:
 .BKLB 8
01306 VALUE_LOG_SPECIFICATION:
 .BKLB 6
0130C VALUE_NOTE:
 .BKLB 6
01312 VALUE_OPERATOR_REQUEST:
 .BKLB 6
01318 VALUE_OWNER_UIC:
 .BKLB 4
0131C VALUE_PAGE_SETUP_MODULES:
 .BKLB 8
01322 VALUE_PARAMETER_1:
 .BKLB 6
01328 VALUE_PARAMETER_2:
 .BKLB 6
0132E VALUE_PARAMETER_3:
 .BKLB 6
01334 VALUE_PARAMETER_4:
 .BKLB 6
0133A VALUE_PARAMETER_5:
 .BKLB 6
01340 VALUE_PARAMETER_6:
 .BKLB 6
01346 VALUE_PARAMETER_7:
 .BKLB 6
0134C VALUE_PARAMETER_8:
 .BKLB 6
01352 VALUE_PRIORITY:
 .BKLB 1
01353 VALUE_PROCESSOR:
 .BKLB 6
01359 VALUE_PROTECTION:
 .BKLB 4
0135D VALUE_QUEUE:
 .BKLB 6
01363 VALUE_QUEUE_FILE_SPECIFICATION:
 .BKLB 8
01369 VALUE_RELATIVE_PAGE:
 .BKLB 4
0136D VALUE_RESERVED_INPUT_1:
 .BKLB 1
0136E VALUE_RESERVED_INPUT_2:
 .BKLB 2
01370 VALUE_RESERVED_INPUT_3:
 .BKLB 4
01374 VALUE_RESERVED_INPUT_4:
 .BKLB 6
0137A VALUE_RESERVED_OUTPUT_1:

.BLKB 10
01384 VALUE_RESERVED_OUTPUT_2:
.BLKB 10
0138E VALUE_SEARCH_STRING:
.BLKB 6
01394 VALUE_SC\$NODE_NAME:
.BLKB 6
0139A VALUE_WSDEFAULT:
.BLKB 2
0139C VALUE_WS\$EXTENT:
.BLKB 2
0139E VALUE_WS\$QUOTA:
.BLKB 2
013A0 VALUE_STORAGE_END:
.BLKB 0

JBC\$_CLOSEOUT= 266328
JBC\$_NOCMKRNL= 272388
JBC\$_NOOPER= 272532
JBC\$_NOSYSNAM= 272404
JBC\$_OPENIN= 266392
JBC\$_OPENOUT= 266400
JBC\$_READERR= 266416
JBC\$_WRITEERR= 266448

.EXTRN BATCH DELETION, DELETE_GETQUI_CONTEXT
.EXTRN DELETE_SJH_RECORD
.EXTRN DEQUEUE_OPEN_JOB
.EXTRN FIND_PROCESS_DATA
.EXTRN LOCK_QUEUE_FILE
.EXTRN SYMBIONT DELETION
.EXTRN UNLOCK_QUEUE_FILE
.EXTRN WRITE_ACCOUNTING_RECORD

.PSECT CODE,NOWRT,2

			0E1C 00000	.ENTRY	PROCESS DELETION, Save R2,R3,R4,R9,R10,R11	: 1116
	54	00000000G	EF 9E 00002	MOVAB	UNLOCK_QUEUE_FILE, R4	:
	53	00000000G	EF 9E 00009	MOVAB	FIND_PROCESS_DATA, R3	:
	52	00000000'	EF 9E 00010	MOVAB	MBX, R2	:
	50		62 D0 00017	MOVL	MBX, R0	: 1158
		28	A0 DD 0001A	PUSHL	40(R0)	:
00000000G	EF		01 FB 0001D	CALLS	#1, DELETE_GETQUI_CONTEXT	:
			01 DD 00024	PUSHL	#1	: 1163
	50		62 D0 00026	MOVL	MBX, R0	:
		28	A0 DD 00029	PUSHL	40(R0)	:
			03 DD 0002C	PUSHL	#3	:
	63		03 FB 0002E	CALLS	#3, FIND_PROCESS_DATA	:
	59		50 D0 00031	MOVL	R0, OPEN_JOB	:
		00D6	C2 B5 00034	TSTW	QUEUE_FAB+2	: 1166
			20 13 00038	BEQL	1\$	:
00000000G	EF		00 FB 0003A	CALLS	#0, LOCK_QUEUE_FILE	: 1172
	16		59 E9 00041	BLBC	OPEN_JOB, 1\$	: 1177
			5A DD 00044	PUSHL	SJH_N	: 1179
00000000G	EF		01 FB 00046	CALLS	#1, DEQUEUE_OPEN_JOB	:
	0A		50 E9 0004D	BLBC	R0, 1\$	:
	7E		5A 7D 00050	MOVQ	SJH_N, -(SP)	: 1181
00000000G	EF		02 FB 00053	CALLS	#2, DELETE_SJH_RECORD	:

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			01	DD	0005A	1\$:	PUSHL	#1	:	1187
	50		62	DD	0005C		MOVL	MBX, R0	:	
		28	A0	DD	0005F		PUSHL	40(R0)	:	
			7E	D4	00062		CLRL	-(SP)	:	
	63		03	FB	00064		CALLS	#3, FIND_PROCESS_DATA	:	
	2A		50	E9	00067		BLBC	R0, 5\$	:	
	50		C2	3C	0006A		MOVZWL	QUEUE_FAB+2, R0	:	1200
01	01	00D6	59	CF	0006F		CASEL	TYPE, #1, #1	:	1190
	0016		0004		00073	2\$:	.WORD	3\$-2\$,-	:	
								4\$-2\$	:	
			50	D5	00077	3\$:	TSTL	R0	:	1200
			2D	13	00079		BEQL	7\$	:	
	7E		5A	7D	0007B		MOVQ	P1, -(SP)	:	1203
00000000G	EF		02	FB	0007E		CALLS	#2, BATCH_DELETION	:	
	64		00	FB	00085		CALLS	#0, UNLOCK_QUEUE_FILE	:	1204
					04	00088	RET		:	1195
			50	D5	00089	4\$:	TSTL	R0	:	1215
			07	13	0008B		BEQL	5\$	:	
00000000G	EF		00	FB	0008D		CALLS	#0, SYMBIONT_DELETION	:	1217
		00D6	C2	B5	00094	5\$:	TSTW	QUEUE_FAB+2	:	1227
			03	13	00098		BEQL	6\$	:	
	64		00	FB	0009A		CALLS	#0, UNLOCK_QUEUE_FILE	:	1229
			62	DD	0009D	6\$:	PUSHL	MBX	:	1234
			7E	7C	0009F		CLRL	-(SP)	:	
00000000G	EF		03	FB	000A1		CALLS	#3, WRITE_ACCOUNTING_RECORD	:	
			04		000A8	7\$:	RET		:	1235

; Routine Size: 169 bytes, Routine Base: CODE + 0000

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: 199 1236 1 END
: 200 1237 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
COMMON	5024	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, OVR, NOPIC, ALIGN(2)
CODE	169	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	34	0	1000	00:01.3

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:DELETION/OBJ=OBJ\$:DELETION MSRC\$:DELETION/UPDATE=(ENH\$:DELETION)

: Size: 169 code + 5024 data bytes
: Run Time: 00:10.8
: Elapsed Time: 00:50.0
: Lines/CPU Min: 6859
: Lexemes/CPU-Min: 55996
: Memory Used: 223 pages
: Compilation Complete

