



.....

```

CCCCCCCC  RRRRRRRR  EEEEEEEEE  WW      WW      IIIIII  NN      NN
CCCCCCCC  RRRRRRRR  EEEEEEEEE  WW      WW      IIIIII  NN      NN
CC         RR        RR      EE         WW      WW      II       NN      NN
CC         RR        RR      EE         WW      WW      II       NN      NN
CC         RR        RR      EE         WW      WW      II       NNNN     NN
CC         RRRRRRRR  EEEEEEEEE  WW      WW      II       NNNN     NN
CC         RRRRRRRR  EEEEEEEEE  WW      WW      II       NN  NN     NN
CC         RR  RR    EE         WW  WW  WW      II       NN      NNNN
CC         RR  RR    EE         WW  WW  WW      II       NN      NNNN
CC         RR        RR      EE         WWW  WWW  II       NN      NN
CC         RR        RR      EE         WWW  WWW  II       NN      NN
CCCCCCCC  RR        RR      EEEEEEEEE  WW      WW      IIIIII  NN      NN
CCCCCCCC  RR        RR      EEEEEEEEE  WW      WW      IIIIII  NN      NN

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```

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
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

```

```

1 0001 0 MODULE CREWIN (
2 0002 0
3 0003 0 LANGUAGE (BLISS32),
4 0004 0 IDENT = 'V04-000'
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1 *****
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 ++
32 0032 1
33 0033 1 FACILITY: F11ACP Structure Level 1
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 This routine creates and initializes a file window.
38 0038 1 ENVIRONMENT:
39 0039 1
40 0040 1 STARLET operating system, including privileged system services
41 0041 1 and internal exec routines. This routine must be called
42 0042 1 in kernel mode.
43 0043 1
44 0044 1 --
45 0045 1
46 0046 1
47 0047 1 AUTHOR: Andrew C. Goldstein, CREATION DATE: 14-Dec-1976 17:10
48 0048 1
49 0049 1 MODIFIED BY:
50 0050 1
51 0051 1 V03-001 LMP0018 L. Mark Pilant, 31-Mar-1982 13:13
52 0052 1 Modify to use a local of the window complete flag.
53 0053 1
54 0054 1 V02-001 LMP0005 L. Mark Pilant, 29-Dec-1981 14:40
55 0055 1 Add support for Cathedral windows.
56 0056 1
57 0057 1 A0100 ACG0001 Andrew C. Goldstein, 10-Oct-1978 20:01

```

CREWIN  
V04-000

L 15  
16-Sep-1984 00:55:27  
14-Sep-1984 12:29:26

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[F11A.SRC]CREWIN.B32;1 Page 2 (1)

```

: 58      0058 1  :
: 59      0059 1  :
: 60      0060 1  :**
: 61      0061 1  :
: 62      0062 1  :
: 63      0063 1 LIBRARY 'SYSSLIBRARY:LIB.L32';
: 64      0064 1 REQUIRE 'SRC$:FCPDEF.B32';

```

Previous revision history moved to F11A.REV

```

66 0379 1 GLOBAL ROUTINE CREATE_WINDOW (ACCTL, SIZE, HEADER, PID, FCB) =
67 0380 1
68 0381 1 !**
69 0382 1
70 0383 1 FUNCTIONAL DESCRIPTION:
71 0384 1
72 0385 1     This routine creates a file access window.
73 0386 1
74 0387 1 CALLING SEQUENCE:
75 0388 1     CREATE_WINDOW (ARG1, ARG2, ARG3, ARG4, ARG5)
76 0389 1
77 0390 1 INPUT PARAMETERS:
78 0391 1     ARG1: access control word (from FIB, usually)
79 0392 1     ARG2: size of window in # of pointers
80 0393 1     ARG3: address of file header
81 0394 1     ARG4: PID of accessor
82 0395 1     ARG5: address of file FCB
83 0396 1
84 0397 1 IMPLICIT INPUTS:
85 0398 1     CURRENT_VCB: address of VCB of volume in process
86 0399 1     CURRENT_UCB: address of UCB of disk in process
87 0400 1
88 0401 1 OUTPUT PARAMETERS:
89 0402 1     NONE
90 0403 1
91 0404 1 IMPLICIT OUTPUTS:
92 0405 1     NONE
93 0406 1
94 0407 1 ROUTINE VALUE:
95 0408 1     address of window
96 0409 1
97 0410 1 SIDE EFFECTS:
98 0411 1     window block created
99 0412 1
100 0413 1 --
101 0414 1
102 0415 2 BEGIN
103 0416 2
104 0417 2 MAP
105 0418 2     HEADER      : REF BBLOCK,  ! file header arg
106 0419 2     FCB         : REF BBLOCK;  ! FCB arg
107 0420 2
108 0421 2 LOCAL
109 0422 2     WINDOW_SIZE,
110 0423 2     WINDOW      : REF BBLOCK,  ! actual size of window
111 0424 2     PRIMARY_WINDOW : REF BBLOCK; ! window created
112 0425 2     ! address of the primary window
113 0426 2
114 0427 2 EXTERNAL
115 0428 2     CURRENT_VCB  : REF BBLOCK,  ! VCB in process
116 0429 2     CURRENT_UCB  : REF BBLOCK;  ! UCB in process
117 0430 2
118 0431 2 EXTERNAL ROUTINE
119 0432 2     ALLOCATE,    ! allocate dynamic memory
120 0433 2     TURN_WINDOW; ! window turner routine
121 0434 2 ! Compute the size of the window. If fixed, allocate it and turn it to
122 0435 2 ! map VBN 1. If a maximal window is requested (indicated by a size of -1),

```



FFFFFFF	8F		50	D1	00011	1\$:	CMPL	WINDOW_SIZE, #-1	: 0443	
			36	13	00018		BEQL	4\$	: 0444	
0000050	8F		50	D1	0001A		CMPL	WINDOW_SIZE, #80	: 0446	
			04	1B	00021		BLEQU	2\$	: 0447	
		50	50	8F	9A	00023	MOVZBL	#80, WINDOW_SIZE	: 0448	
			50	D5	00027	2\$:	TSTL	WINDOW_SIZE	: 0449	
			03	12	00029		BNEQ	3\$	: 0450	
		50	50	01	D0	0002B	MOVL	#1, WINDOW_SIZE	: 0451	
			50	01	DD	0002E	3\$:	PUSHL	#1	
			06	C4	00030		MULL2	#6, R0	: 0452	
			A0	9F	00033		PUSHAB	48(R0)	: 0453	
0000G	CF		02	FB	00036		CALLS	#2, ALLOCATE	: 0454	
	52		50	D0	0003B		MOVL	R0, WINDOW	: 0455	
			21	13	0003E		BEQL	5\$	: 0456	
			01	DD	00040		PUSHL	#1	: 0457	
			01	DD	00042		PUSHL	#1	: 0458	
			AC	DD	00044		PUSHL	HEADER	: 0459	
			52	DD	00047		PUSHL	WINDOW	: 0460	
0000G	CF		04	FB	00049		CALLS	#4, TURN_WINDOW	: 0461	
			11	11	0004E		BRB	5\$	: 0462	
			01	DD	00050	4\$:	PUSHL	#1	: 0463	
			01	DD	00052		PUSHL	#1	: 0464	
			AC	DD	00054		PUSHL	HEADER	: 0465	
			7E	D4	00057		CLRL	-(SP)	: 0466	
0000G	CF		04	FB	00059		CALLS	#4, TURN_WINDOW	: 0467	
	52		50	D0	0005E		MOVL	R0, WINDOW	: 0468	
	51		52	D0	00061	5\$:	MOVL	WINDOW, PRIMARY_WINDOW	: 0469	
	50		AC	D0	00064		MOVL	HEADER, R0	: 0470	
			52	D5	00068	6\$:	TSTL	WINDOW	: 0471	
			38	13	0006A		BEQL	9\$	: 0472	
		OC	A2	10	AC	D0	0006C	MOVL	PID, 12(WINDOW)	: 0473
		10	A2	0000G	CF	D0	00071	MOVL	CURRENT_UCB, 16(WINDOW)	: 0474
		14	A2	04	AC	B0	00077	MOVW	ACCTL, 20(WINDOW)	: 0475
		18	A2	14	AC	D0	0007C	MOVL	FCB, 24(WINDOW)	: 0476
		OB	A2	01	88	00081	BISB2	#1, 11(WINDOW)	: 0477	
OB	A2	01	01	15	A2	F0	00085	INSV	21(WINDOW), #1, #1, 11(WINDOW)	: 0478
		04	OC	A0	03	E1	0008C	BBC	#3, 12(R0), 7\$	: 0479
			15	A2	02	88	00091	BISB2	#2, 21(WINDOW)	: 0480
		04	OC	A0	04	E1	00095	7\$:	BBC	#4, 12(R0), 8\$
			14	A2	20	88	0009A	BISB2	#32, 20(WINDOW)	: 0481
			52	A2	D0	0009E	8\$:	MOVL	32(WINDOW), WINDOW	: 0482
				C4	11	000A2		BRB	6\$	: 0483
			50	51	D0	000A4	9\$:	MOVL	PRIMARY_WINDOW, R0	: 0484
				04	000A7		RET		: 0485	

: Routine Size: 168 bytes, Routine Base: \$CODE\$ + 0000

: 165 0478 1  
: 166 0479 1 END  
: 167 0480 0 ELUDOM

PSECT SUMMARY

```
:  
: Name Bytes Attributes  
: $CODE$ 168 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 15 0 1000 00:02.0
```

COMMAND QUALIFIERS

```
:  
: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:CREWIN/OBJ=OBJ$:CREWIN MSRCS:CREWIN/UPDATE=(ENH$:CREWIN)
```

```
: Size: 168 code + 0 data bytes  
: Run Time: 00:07.2  
: Elapsed Time: 00:23.2  
: Lines/CPU Min: 4016  
: Lexemes/CPU-Min: 12786  
: Memory Used: 98 pages  
: Compilation Complete
```



FCPOEF B32	ACPCNTR LIS	CHKSUM LIS	CHKPRO LIS	DEACCS LIS
BADSCR LIS	CLEUP LIS	CPYAM LIS	CHKHDR LIS	COMMON LIS
CREHDR LIS	CREWIN LIS	ACCESS LIS	ALLOB LIS	CHKDMD LIS
DELETE LIS	CREATE LIS	CREFCB LIS		