

ASSIGN MISI,(FILE,MAILBX,'DONTSI)
ASSIGN MICI,(FILE,MAILBX,'DONCI)
METASYM SI,CI,L8

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PCC 0

MAILBX BUILD 'MAILBOX' FILES IN USER'S ACCOUNTS

NAME: MAILBX

PURPOSE: INFORM USERS OF SYSTEM ACTION TAKEN WITH REGARD TO FILE MAINTENANCE. THE MESSAGE GENERALLY CONSISTS OF THE REASON A SYSTEM BACKUP FAILED OR A COMPLETION MESSAGE CONCERNING SOMETHING THE USER HAS REQUESTED.

DESCRIPTION: THE MAILBX ROUTINE FORMATS A MESSAGE CONTAINING THE CURRENT DATE AND TIME AND THE ACCOUNT NAME WHICH IS REQUESTING THE MAILBOX BE BUILT; THE REST OF THE MESSAGE IS PART OF THE INPUT. THE MESSAGE IS WRITTEN INTO THE SPECIFIED ACCOUNT BY ADDING A RECORD TO AN EXISTING 'MAILBOX' FILE IN THE ACCOUNT OR INTO A NEW ONE IF NONE CURRENTLY EXISTS. THE MESSAGE IS ALSO OPTIONALLY PRINTED ON THE LINE PRINTER.

22	*S*	SYSTEM	SIG7	
23	*S*	SYSTEM	BPM	
24	*X*	DEF	F:MAIL	DCB USED TO CREATE AND WRITE THE
25	*,*			MAILBOX FILE IN A USER'S ACCOUNT
26		DEF	FMAILBX	ENTRY POINT TO BYPASS MITIME CAL
27	*,*			(THE TIME HASN'T CHANGED SINCE LAST
28	*,*			CALL TO MAILBOX)
29		DEF	MAIL	DEF FOR MAILBX PROCEDURE PATCHING
30		DEF	MAILBOX	MAIN ENTRY POINT TO MAILBOX ROUTINE
31		DEF	MAILD	DEF FOR MAILBX DATA PATCHING
32		DEF	NOPRINT	LOCATION WHICH GOVERNS LINE PRINTER
33	*,*			ACTION: 0 => PRINT, NON-0 => NOT
34	*			
35		REF	J:ACCN	JIT LOCATION OF RUNNING ACCOUNT
36	*,*			USED TO LOCATE MAILBOX FILE
37		REF	JULIAN	CONVERTS MITIME TIME INTO JULIAN TIME

H01 11:11 SEP 08, '75

39
40 00000000
41 00000001
42 00000002
43 00000003
44 00000004
45 00000005
46 00000006
47 00000007
48 00000008
49 00000009
50 0000000A
51 0000000B
52 0000000C
53 0000000D
54 0000000E
55 0000000F

* DEFINE STANDARD REGISTERS
R0 EQU 0
R1 EQU 1
R2 EQU 2
R3 EQU 3
R4 EQU 4
R5 EQU 5
R6 EQU 6
R7 EQU 7
SR1 EQU 8
SR2 EQU 9
SR3 EQU 10
SR4 EQU 11
D1 EQU 12
D2 EQU 13
D3 EQU 14
D4 EQU 15

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57 05 00000
58
59
60
61 05 00000

F:MAIL DSECT
F:MAIL M:DCB

1
(FILE,IMAILBOX),,
(KEYED),(DIRECT),(KEYM,7),,
(INOUT),(SAVE),,
(ERR,ML:ERR),(ABN,ML:ABN)

00000001 N
00080000
05 00002 0A000000 A
05 00003 00000045 07
05 00004 00000046 07
05 00005 80000022 A
05 00006 00000016 N
00000000
00000000
00000000
05 0000A 00000000 F
05 0000B 00000000 A
05 0000C 07000000 A
00000000
05 0000E 00000000 A
05 0000F 00000000 A
00000000
00000000
00000000
05 00013 00000000 A
05 00014 00000000 A
05 00015 00000000 A
05 00016 01000202 A
05 00017 07D4C1C9 A
05 00018 D3C2D6E7 A
05 00019 02000002 A
05 00019 1 01 A

H01

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63	06	00000		MAILD	CSECT	0	
64	06	00000	00000001	ENVIR	DATA	*+1	
65	06	00001	00100000 A		GEN,16,16	16,0	
66	06	00002			RES	16	
67	06	00012		MSGBUF	RES	28	
68	06	0002E	14000000 N	OPENFPT	DATA	X:14000000!+F:MAIL	
69	06	0002F	C1000009 A		DATA	X:C1000009!	
70	06	00030	00000045 07		DATA	ML:ERR	ERR RETURN
71	06	00031	00000046 07		DATA	ML:ABN	ABN RETURN
72	06	00032	00000004 A	INOUT	DATA	4	INOUT USUAL, BUT SOMETIMES
73	06	00033	02010202 A		DATA	X:2010202!	ACCOUNT WHERE MAILBOX
74	06	00034	7AE2E8E2 A	ACCOUNT	TEXT	!;SYS !	IS TO BE BUILT.
	06	00035	40404040 A				
75		00000050		MAXSIZ	EQU	80	20 WORD MESSAGE LIMIT
76	06	00036		KEYBUF	RES	2	
77	06	00038	00000000 A	NOPRINT	DATA	0	IF NONZERO, NO LP OUTPUT
78		EXT		SENDER	EQU	J:ACCN	
79		00000040		BLANK	EQU	X:40!	

```

81 *
82 *D* NAME: MAILBOX
83 *D* ENTRY: FMAILBX
84 *D*
85 *D* REGISTERS: ALL ARE PRESERVED
86 *D*
87 *D* CALL: LI,SR3 FPT
88 *D* BAL,SR4 MAILBOX
89 *D*
90 *D* INPUT: FPT => ADDRESS OF TEXT MESSAGE (NO INDIRECT)
91 *D* FPT+1 => ADDRESS OF RECIPIENT ACCOUNT NAME
92 *D* NOPRINT = 0 => PRINT MESSAGE ON LINE PRINTER
93 *D* = 1 => SUPPRESS LINE PRINTER LISTING
94 *D* NOPRINT IS A DEFINED WORD IN MAILD
95 *D* D4 (R15) = 0 => SUPPRESS FILE BUILDING
96 *D* = 1 => BUILD MAILBOX FILE IN RECIPIENT ACCT
97 *D*
98 *D* INTERFACE: JULIAN
99 *D*
100 *D* ENVIRONMENT: MAPPED, SLAVE OR MASTER, CO PRIVILEGE
101 *D*
102 *D* DESCRIPTION: ALL REGISTERS ARE SAVED UPON ENTRY IN THE STACK
103 *D* (ENVIR) AN MTIME CAL IS THEN ISSUED TO OBTAIN THE
104 *D* CURRENT TIME AND JULIAN IS CALLED TO CONVERT THIS
105 *D* INTO A JULIAN FORMATTED DATE ('00YYODDD', 'HHMM0000').
106 *D* THIS DATE IS USED AS A KEY TO WRITE THE MAILBOX FILE;
107 *D* IF ENTRY IS AT FMAILBX, THE PREVIOUS KEY IS INCRE-
108 *D* MENTED TO MAKE IT UNIQUE FOR EACH WRITE.
109 *D* THE MESSAGE IS THEN PUT TOGETHER; IT HAS THE FORM;
110 *D* 'HH:MM MON DD BY BUILDER' FOLLOWED BY TEXT MESSAGE
111 *D* INPUT TO MAILBOX (FPT ABOVE); 'BUILDER' IS THE
112 *D* NAME OF THE ACCOUNT BUILDING THE MAILBOX, USUALLY
113 *D* ISYS. THE 'BUILDER' FOR THE LINE PRINTER MESSAGE IS
114 *D* THE INPUT RECIPIENT ACCOUNT (FPT+1 ABOVE). THUS,
115 *D* TWO DIFFERENT MESSAGES ARE BUILT. (IF THE INPUT
116 *D* MESSAGE IS TOO LONG, I.E. > THAN 80 CHARACTERS, THE
117 *D* ROUTINE DOES NOT BUILD A FILE IN THE USER'S ACCOUNT.)

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118
 119
 120
 121
 122
 123
 124
 125 07 00000
 126 07 00000
 127 07 00000
 128 07 00000 02200000 A
 129 07 00001 00000000 06
 130 07 00002 04800000 02
 02 00000 10000013 06
 131 07 00003 22A00013 06
 132 07 00004 6A800000 X
 133 07 00005 22600007 A
 134 07 00006 75600008 A
 135 07 00007 35800036 06
 136 07 00008 35900037 06
 137 07 00009 60000000
 138 07 0000A
 139 07 0000A 33100037 06
 140 07 0000B 02200000 A
 141 07 0000C 00000000 06
 142 07 0000D
 143 07 0000D 32A0000C 06
 144 07 0000E 32B0000D 06
 145 07 0000F 3240005C
 146 07 00010 35400016 06
 147 07 00011 32400000 X
 148 07 00012 35400017 06
 149 07 00013 32400001 N
 150 07 00014 35400018 06
 151 07 00015 B240000A A
 152 07 00016 F2700004 A
 153 07 00017 21700050 A

D
D
D
D
D
D
D

MAIL
MAILBOX

FMAILBX

CMAILBX

CSECT 1
 EQU *
 EQU *
 LCI 0
 PSM,R0 ENVIR
 MITIME MSGBUF+1

 LI,SR3 MSGBUF+1
 BAL,SR4 JULIAN
 LI,R6 7
 STB,R6 SR1
 STW,SR1 KEYBUF
 STW,SRP KEYBUF+1
 B CMAILBX
 EQU *
 MTW,1 KEYBUF+1
 LCI 0
 PSM,R0 ENVIR
 EQU *
 LW,SR3 ENVIR+12
 LW,SR4 ENVIR+13
 LW,R4 L(CI BY 1)
 STW,R4 MSGBUF+4
 LW,R4 SENDER
 STW,R4 MSGBUF+5
 LW,R4 SENDER+1
 STW,R4 MSGBUF+6
 LW,R4 *SR3
 LB,R7 *R4
 CI,R7 MAXSIZ

7
 IF D4 (REGISTER 15) = 0, THE MAILBOX FILE IS NOT BUILT
 OTHERWISE, IT IS OPENED IN THE RECIPIENT'S ACCOUNT
 AND THE APPROPRIATE MESSAGE ADDED TO THE FILE.
 (IF THE FILE DOES NOT ALREADY EXIST, A NEW ONE IS BUILT)
 IF NOPRINT = 0, THE LINE PRINTER MESSAGE IS PRINTED;
 OTHERWISE, THE ROUTINE EXITS AFTER CLOSING
 THE F:MAIL DCB (IF IT WAS OPEN) AND PULLING ALL REGS.

7 BYTES FOR KEY
TWO WORD DATE/TIME IS KEY= SR1,SR2

ENTRY FOR NO TIME UPDATE
MAKE KEY UNIQUE

LOCATION OF MSG TO R4
BYTE 0 IS BYTE COUNT OF MSG

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154 07 00018 69200030
 155 07 00019 20700001 A
 156 07 0001A 22600018 A
 157 07 0001B 30600007 A
 158 07 0001C 25400002 A
 159 07 0001D 22500019 06
 160 07 0001E 25500002 A
 161 07 0001F 75700005 A
 162 07 00020 61400000 A
 163 07 00021 22500040 A
 164 07 00022 75500019 06
 165 07 00023 20A00001 A
 166 07 00024 B240000A A
 167 07 00025 B2500004 A
 168 07 00026 46500034 06
 169 07 00027 20400001 A
 170 07 00028 B2700004 A
 171 07 00029 46700035 06
 172 07 0002A 32F00011 06
 173 07 0002B 68300030
 174 07 0002C 22E00004 A
 175 07 0002D 35E00032 06
 177 07 0002E 0410002E 06
 178
 179
 180 07 0002F 04100001 02
 02 00001 11000000 N
 F8000020
 02 00003 00000045 07
 02 00004 00000046 07
 02 00005 00000013 06
 02 00006 80000006 A
 02 00007 00000036 06
 181 07 00030 33000038 06
 182 07 00031 69300038
 183 07 00031 69300038

OPEN

WRIT

EXIT

BG
 AI,7
 LI,R6
 AW,R6
 SLS,R4
 LI,R5
 SLS,R5
 STB,R7
 MBS,R4
 LI,R5
 STB,R5
 AI,SR3
 LW,4
 LW,R5
 XW,R5
 AI,R4
 LW,R7
 XW,R7
 LW,D4
 BEZ
 EQU
 LI,D3
 STW,D3
 CAL,1
 M;WRITE
 EQU
 MTW,0
 BNEZ

EXIT
 1
 6*4
 R7
 2
 MSGBUF+7
 2
 R5
 0
 BLANK
 MSGBUF+7
 1
 *SR3
 *R4
 ACCOUNT
 1
 *R4
 ACCOUNT+1
 ENVIR+17
 EXIT
 \$
 4
 INOUT
 OPENFPT
 F;MAIL,(BUF,MSGBUF+1),(SIZE,*R6),,
 (ERR,MLERR),(ABN,MLIABN),,
 (KEY,KEYBUF),(NEWKEY)
 MSG TOO LONG
 6 WORD FIXED PREFIX
 ADD MSG LENGTH FOR RECORD LNG
 BYTE ADDRESS
 BYTE ADDRESS
 BYTE 0 IS CHARACTER COUNT
 LOCATE RECIPIENT
 PICK UP ACCT POINTER
 FIRST WORD OF ACCT
 WAS MAILBOX ADDITION REQUESTED
 NO
 \$
 NOPRINT
 EXIT05

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184	07	00032	32400034	06	LW,4	ACCOUNT
185	07	00033	35400017	06	STW,4	MSGBUF+5
186	07	00034	32400035	06	LW,4	ACCOUNT+1
187	07	00035	35400018	06	STW,4	MSGBUF+6
188	07	00036	32400050		LW,R4	= ' !
189	07	00037	35400012	06	STW,R4	MSGBUF
190	07	00038	20600003	A	AI,R6	3
191	07	00039	75600012	06	STB,R6	MSGBUF
192	07	0003A	04200008	02	MIPRINT	(MESS,MSGBUF)

02	00008	01000000	A
02	00009	80000000	A
02	0000A	00000012	06

193	07	0003B	52000000	05
194	07	0003B	52000000	05
195	07	0003C	21000020	A
196	07	0003D	6840003F	
197	07	0003E	0410000B	02
	02	0000B	15000000	N
			80000000	
	02	0000D	00000002	A

EXIT05	EGU	*
	LH,R0	F:MAIL
	CI,R0	XI201
	BAZ	XIT1
CLOSE	MICLOSEF	F:MAIL,(SAVE)

IS DCB OPEN
NO, DON'T CLOSE

198	07	0003F	02200000	A
199	07	0003F	02200000	A
200	07	00040	35500034	06
201	07	00041	35700035	06
202	07	00042	0A000000	06
203	07	00043	E800000B	A
204	07	00044	0F00003C	A

XIT1	EGU	*
	LCI	0
	STW,R5	ACCOUNT
	STW,R7	ACCOUNT+1
	PLM,R0	ENVIR
	B	*SR4
SLP	GEN,8,24	XIF,60

1 MINUTE SLEEP

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11

* SYMBOL VALUES
ACCBUNT/06 00034
D1/0000000C
ENVIR/06 00000
KEYBUF/06 00036
MAXSIZ/00000050
NMASK/FUNC
R1/00000001
R5/00000005
SLP/07 00044
SR4/0000000B

* EXTERNAL DEFINITIONS
FMAIL/05 00000
MAILD/06 00000

* PRIMARY REFERENCES
JIACCN JULIAN

* NO SECONDARY REFERENCES
* NO UNDEFINED SYMBOLS
* ERROR SEVERITY LEVEL: 0
* NO ERROR LINES

BLANK/00000040
D2/0000000D
EXIT/07 00030
LP1/07 0004D
MLIABN/07 00046
OPEN/07 0002C
R2/00000002
R6/00000006
SR1/0000000A
WRIT/07 0002F

FMAILBX/07 0000A
NPRINT/06 00038

MILL

CLOSE/07 0003E
D3/0000000E
EXIT05/07 0003B
LP2/07 00051
MLIERR/07 00045
OPENFPT/06 0002E
R3/00000003
R7/00000007
SR2/00000009
XIT1/07 0003F

MAIL/07 00000

CMAILBX/07 0000D
D4/0000000F
INBUT/06 00032
MASK/FUNC
MSGBUF/06 00012
R0/00000000
R4/00000004
SENDER/EXT
SR3/0000000A

MAILBOX/07 00000