

/*

SPOOL
TBMS.LST
05/04/82
15:52:23

*/

SERIES-III PL/M-86 V2.0 COMPILATION OF MODULE TBMS
OBJECT MODULE PLACED IN :F1:TBMS.OBJ
COMPILER INVOKED BY: PLM36.86 :F1:TBMS.P86 OPTIMIZE(3) XREF SET(F1) DEBUG

```

        $TITLE('TCL Buffered MIP Send Process           11/28/81 15:40')
        $COMPACT DEBUG NOCOND
*** WARNING 10 IN 1 (LINE 2): RESPECIFIED PRIMARY CONTROL, IGNORED
        $SET(mipform)

        $IF f7
        $ELSE
        ‡INCLUDE (:F1:cpyrt.dcp)

=          /* Intel Corporation Proprietary Information.
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=          license agreement with Intel Corporaton and
=          may not be copied nor disclosed except in
=          accordance with the terms of that agreement. */

        $ENDIF

1         tbms: DO;
          /* This process exists to buffer mip send requests from the
          other TCL processes, thus removing mip send waiting time from
          the packet turnaround time. It also prevents RP from being
          locked up while trying to send an RB via MIP to an ISIS under
          DJC which is not polling MIPRCV. */

        $IF f7
        $ELSE
        $$SAVE NOLIST INCLUDE (:F1:TCLGBL.INC)

3 1      DECLARE
          msg$p          POINTER,
          tcl$mip$send$status BYTE,
          ms$rbs        BASED msg$p
        $IF f7
        $ELSE
        $$SAVE NOLIST INCLUDE (:F1:TCLRBS.INC)
          ;

        $IF f7
        $ELSE
        $$SAVE NOLIST INCLUDE (:F1:TCLMBX.INC)

        $IF f7
        $ELSE
        $$SAVE NOLIST INCLUDE (:F1:KAOS.DCP)

        $IF f7
        $ELSE
        $$SAVE NOLIST INCLUDE (:F1:MIP.DCP)
```

```
$IF f7
$ELSE
$SAVE NOLIST INCLUDE (:F1:THACF.INC)
```

```
$IF log
$ENDIF
```

```
$IF log
$ENDIF
```

```
88 1  tbms$proc: PROCEDURE PUBLIC;
89 2  DO forever;
90 3      msg$P = cq$receive(.buf$mip$mbx);
      $IF log
      $ENDIF
91 3      tcl$mip$send$status = cq$mip$send(ms$rbs.rtn$mip$skt, msg$P);
      /* send the RB back via MIP */
      /* bad sends are ignored */
92 3  END; /* of do forever */
93 2  END tbms$proc;
94 1  END tbms;
```

DEFN	ADDR	SIZE	NAME, ATTRIBUTES, AND REFERENCES	
64	0000H	4	ALARMP	64
70	0000H	4	ALARMP	70
61	0000H	4	ALARMP	61
67	0000H	4	ALARMP	67
4	0000H	2	SUFMIPMBX	90
66	0000H		CQCHECKALARM	
69	0000H		CQCLEARALARM	
60	0000H		CQCREATEALARM	
7	0000H		CQCREATELIST	
30	0000H		CQCREATEMAILBOX	
15	0000H		CQCREATEPROCESS	
18	0000H		CQCREATESEMAPHORE	
39	0000H		CQCRECEIVE	
27	0000H		CQCWAIT	
12	0000H		CQHALTANDCATCHFIRE	
54	0000H		CQICRECEIVE	
48	0000H		CQICWAIT	
51	0000H		CQISEND	
45	0000H		CQISIGNAL	
75	0000H		CQMIPCONNECT	
81	0000H		CQMIPGETADDRESS	
84	0000H		CQMIPGETMIPFORM	
78	0000H		CQMIPREGISTER	
72	0000H		CQMIPSEND	91
42	0000H		CQMRECEIVE	
57	0000H		CQREADCLOCK	
36	0000H		CQRECEIVE	90
10	0000H		CQSCHEDULE	
33	0000H		CQSEND	
63	0000H		CQSETALARM	
21	0000H		CQ SIGNAL	
5	0000H		CQSTART	
24	0000H		CQWAITSEM	
58	0000H	2	DATARTNO	58
2			DEFNETIDLIT	
64	0000H	2	DELAYH	64
64	0000H	2	DELAYL	64
2			DLLHEADERLEN	
16	0000H	2	ENTRYO	16
13	0000H	2	ERRORCODE	13
2			FALSE	
2			FOREVER	89
4	0000H	2	FREEIRBMBX	
4	0000H	2	FREELIRBMBX	
87			HACFCHKACB	
87			HACFDLLCONN	
87			HACFDLLREADHOST	
87			HACFIPDEFIRB	
87			HACFMIPCONNECT	
87			HACFMIPREGISTER	
87			HACFMIPSEND	
87			HACFPUTCNT	

87			HACFRPCOMPLETE	LITERALLY '413'	
87			HACFRPDEFIRB	LITERALLY '433'	
87			HACFRPPUTDATAP	LITERALLY '412'	
87			HACFRPPUTNEWBLK	LITERALLY '409'	
87			HACFRPPUTPTR	LITERALLY '411'	
87			HACFRPPUTSENDRBSSBACK	LITERALLY '410'	
87			HACFSENDBLKLEN	LITERALLY '403'	
87			HACFTPGETBLKLEN	LITERALLY '408'	
87			HACFTPGETCHK	LITERALLY '407'	
87			HACFTPIRBACB	LITERALLY '415'	
87			HACFTPIRBP	LITERALLY '414'	
87			HACFTPIRBTYP	LITERALLY '406'	
87			HACFTPTIMEOUT	LITERALLY '435'	
87			HACFTQSEQ	LITERALLY '417'	
87			HACFXQ	LITERALLY '436'	
87			HACFZQ	LITERALLY '437'	
19	0000H	2	INIT	WORD IN PROC (CQCREATESMAPHORE) PARAMETER	19
4	0000H	2	IPINMBX	WORD EXTERNAL(2)	
8	0000H	4	LISTP	POINTER IN PROC (CQCREATELIST) PARAMETER	8
2			LOGRBMIPPORT	LITERALLY '5'	
40	0000H	2	MAILBOXO	WORD IN PROC (CQCRECEIVE) PARAMETER	40
37	0000H	2	MAILBOXO	WORD IN PROC (CQRECEIVE) PARAMETER	37
34	0000H	2	MAILBOXO	WORD IN PROC (CQSEND) PARAMETER	34
31	0000H	2	MAILBOXO	WORD IN PROC (CQCREATEMAILBOX) PARAMETER	31
64	0000H	2	MAILBOXO	WORD IN PROC (CQSETALARM) PARAMETER	64
55	0000H	2	MAILBOXO	WORD IN PROC (CQICRECEIVE) PARAMETER	55
52	0000H	2	MAILBOXO	WORD IN PROC (CQISEND) PARAMETER	52
2			MAXSEGOATALENLIT	LITERALLY '1480'	
2			MAXSENDSEG	LITERALLY '07H'	
76	0000H	2	MBXO	WORD IN PROC (CQMIPCONNECT) PARAMETER	76
34	0000H	4	MESSAGEP	POINTER IN PROC (CQSEND) PARAMETER	34
52	0000H	4	MESSAGEP	POINTER IN PROC (CQISEND) PARAMETER	52
2			MINPKTLEN	LITERALLY '46'	
2			MIPECHOPORT	LITERALLY '7'	
82	0000H	4	MIP_FORM	POINTER IN PROC (CQMIPGETADDRESS) PARAMETER	82
3	0000H	4	MSGP	POINTER 90* 91	
73	0000H	4	MSGP	POINTER IN PROC (CQMIPSEND) PARAMETER	73
3	0000H	32	MSRBS	STRUCTURE BASED(MSGP)	
	0000H	1	CONTENTS	BYTE	
	0001H	1	CREDIT	BYTE	
	0002H	2	LASTSEQ	WORD	
	0004H	4	MIPBUFBASE	POINTER	
	0008H	2	MIPLNGTH	WORD	
	000AH	1	MIPIIDSID	BYTE	
	000BH	1	MIPOWNERDEVID	BYTE	
	000CH	2	INTERNALPROCESSID	WORD	
	000EH	1	REQ	BYTE	
	000FH	1	RESP	BYTE	
	0010H	2	RTNMIPSKT	WORD 91	
	0012H	4	LINK	POINTER	
	0016H	2	CID	WORD	
	0018H	2	FIRSTSEQ	WORD	
	001AH	2	CLIENTUSE	WORD	
	001CH	2	BUFLN	WORD	
	001EH	1	NUMBLKS	BYTE	
	001FH	1	VB	BYTE	

2		ONBDTCLECHOPORT. . . .	LITERALLY '7'	
16	0000H	2 PCBO	WORD IN PROC (CQCREATEPROCESS) PARAMETER	16
76	0000H	1 PORTID	BYTE IN PROC (CQMIPCONNECT) PARAMETER	76
16	0000H	2 PRI.	WORD IN PROC (CQCREATEPROCESS) PARAMETER	16
79	0000H	2 PROCEDUREO	WORD IN PROC (CQMIPREGISTER) PARAMETER	79
85	0000H	4 PTR.	POINTER IN PROC (CQMIPGETMIPFORM) PARAMETER	85
4	0000H	2 RPMBX.	WORD EXTERNAL(1)	
4	0000H	2 SCHEDLOCK.	WORD EXTERNAL(6)	
28	0000H	2 SEMAPHOREO	WORD IN PROC (CQWAIT) PARAMETER	28
25	0000H	2 SEMAPHOREO	WORD IN PROC (CQWAITSEM) PARAMETER	25
22	0000H	2 SEMAPHOREO	WORD IN PROC (CQSIGNAL) PARAMETER	22
19	0000H	2 SEMAPHOREO	WORD IN PROC (CQCREATESEMAPHORE) PARAMETER	19
49	0000H	2 SEMAPHOREO	WORD IN PROC (CQICWAIT) PARAMETER	49
46	0000H	2 SEMAPHOREO	WORD IN PROC (CQISIGNAL) PARAMETER	46
73	0000H	2 SOCKET	WORD IN PROC (CQMIPSEND) PARAMETER	73
16	0000H	2 STACKO	WORD IN PROC (CQCREATEPROCESS) PARAMETER	16
	0000H	TBMS	PROCEDURE STACK=0000H	
38	0000H	32 TBMSPROC	PROCEDURE PUBLIC STACK=000AH	
2		TCLHEADERLEN	LITERALLY '20'	
2		TCLMIPPORT	LITERALLY '4'	
3	0004H	1 TCLMIPSENDSTATUS	BYTE 91*	
2		TCLPROTOCOLCODE.	LITERALLY '5001H'	
2		TCLPROTOCOLCODEREV	LITERALLY '0150H'	
2		TCLVERSIONLIT.	LITERALLY '101H'	
2		TIMEOUTINCREASESTATE	LITERALLY '1'	
2		TIMEOUTSTEADYSTATE	LITERALLY '0'	
4	0000H	2 TPMBX.	WORD EXTERNAL(0)	
2		TRUE	LITERALLY 'OFFH'	89
43	0000H	2 WCBO	WORD IN PROC (CQMRECEIVE) PARAMETER	43

MODULE INFORMATION:

CODE AREA SIZE = 0020H 320
 CONSTANT AREA SIZE = 0000H 0D
 VARIABLE AREA SIZE = 0005H 5D
 MAXIMUM STACK SIZE = 000AH 10D
 320 LINES READ
 1 PROGRAM WARNING
 0 PROGRAM ERRORS

END OF PL/M-86 COMPILATION