

09:20:52 DEMOCMGR MZ390 STARTED USING z390 V1.4.01e ON J2SE 1.6.0_05

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AZ390I program = soa\demo\DEMOCMGR

AZ390I options = sysmac(w:\work\z390\mac+.)

syscpy(w:\work\z390\mac+.) SYSMAC(soa\maclib+mac)

External Symbol Definitions

ESD=0001 LOC=00000000 LEN=00000000 TYPE=CST NAME=\$PRIVATE

ESD=0002 LOC=00000000 LEN=00000460 TYPE=CST NAME=DEMOCMGR

Assembler Listing

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000000      (1/2)1 SOACMGR CLIENT=DEMOCMGR,HOST=*,PORT=3900,SERVICES=((DEMOSUB1,-45,-45,45),(DEMOSUB2,-4,-4,4))
000000      (2/6)3+*****
000000      (2/7)4+* Copyright 2006 Automated Software Tools Corporation      *
000000      (2/8)5+* This source code is part of z390 assembler/emulator package      *
000000      (2/9)6+* The z390 package is distributed under GNU general public license *
000000      (2/10)7+* Author - Don Higgins      *
000000      (2/11)8+* Date - 12/26/06      *
000000      (2/12)9+*****
000000      (2/13)10+* 12/28/06 RPI 523 GEN SOURCE CODE FOR SOA CLIENT MSG MANAGER
000000      (2/14)11+* 01/05/07 RPI 524 ADD MSGTIME FOR SOA CLIENT SERVER APPLICATIONS
000000      (2/15)12+* 01/22/07 RPI 542 CORRECT R1ADDR FROM GETMAIN FOR BUFFER
000000      (2/16)13+* 02/21/07 RPI 553 REMOVE TCPIO LMAX AND USE R5 VS R2 FOR LMSG CALC
000000      (2/17)14+*      AND HANDLE VARIABLE LENGTH MSGS UP TO LMSG
000000      (2/19)15+*****
000000      (2/20)16+* SOACMGR IS DYNAMICALLY CALLED FROM SOASTUB2 STUB WITH NAME/PARMS
000000      (2/21)17+*
000000      (2/22)18+* INPUT PARMS
000000      (2/23)19+* 1 NAME OF SERVICE TO BE CALLED
000000      (2/24)20+* 2 PARAMETER LIST ADDRESS
000000      (2/25)21+* ACTION
000000      (2/26)22+* 1 BUILD MSG WITH LENGTH, NAME, AND PARM VALUES
000000      (2/27)23+* 2 SEND MSG TO SOA SERVER SOASMGR LISTENING FOR SOA MESSAGES
000000      (2/28)24+* 3 RECEIVE RESPONSE MSG FROM SOASMGR
000000      (2/29)25+* 4 MOVE UPDATED PARMS FROM MESSAGE TO ADDRESSES IN PARMLIST
000000      (2/30)26+* 5 RETURN TO CALLER
000000      (2/31)27+*****
000000      (4/43)28= PUSH PRINT
000000      (4/52)315= POP PRINT
000000      (13/77)317+DEMOCMGR CSECT
000000 90ECD00C      (13/167)318+ STM 14,12,12(13)
000004 45FF0068      (13/168)319+ BAL 15,104(15)

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000008 000000000000000000    (13/169)320+    DC 18F'0'
000050 C4C5D4D6C3D4C7D9      (13/170)321+    DC CL8'DEMOCMGR'
000058 F0F561F2F761F0F8      (13/171)322+    DC CL8'05/27/08'
000060 F0F94BF2F0404040      (13/172)323+    DC CL8'09.20'
000068 50FD0008              (13/173)324+    ST 15,8(13)
00006C 50DF0004              (13/174)325+    ST 13,4(15)
000070 18DF                  (13/175)326+    LR 13,15
000072                        (13/188)327+    USING DEMOCMGR+8,13
LISTUSE DEMOCMGR ESD=0002 LOC=00000008 LEN=01000 REG=D OFF=00000 LAB=
000072 1821                  (2/34)329+    LR R2,R1        SAVE PARM LIST FROM SOA STUB CALL
000074 98232000              (2/36)330+    LM R2,R3,0(R2)  R2 = A(SVCNAME) R3=A(SVCPLIST)
000078 58330000              (2/37)331+    L R3,0(R3)      R3 = USER CALL PARMS FOR SERVICE
00007C 5890D448              000450 (2/38)332+    L R9,LMAX       R9 = LENGTH OF MSG BUFFER
000080 5840D444              00044C (2/39)333+    L R4,AMSG
000084 5540D430              000438 (8/43)335+    CL R4,=A(0)
000088 4770D0DC              0000E4 (8/46)336+    BC 15-EQ,ZSTR_IF_1
00008C 1819                  (15/27)340+    LR 1,9
00008E 41000002              (14/130)342+   LA 0,B'10'
000092 0A04                  (14/131)343+   SVC 4 GMAIN R0=(X'02'=31B,X'01'=COND),R1=LEN OUT(R0=L,R1=A)
000094 1841                  (2/42)345+    LR R4,R1        R4 = ADDRESS MSG BUFFER RPI 542
000096                        (2/43)346+    USING IHAMSG,R4
LISTUSE DEMOCMGR ESD=0002 LOC=00000008 LEN=01000 REG=D OFF=00000 LAB=
LISTUSE IHAMSG ESD=0003 LOC=00000000 LEN=01000 REG=4 OFF=00000 LAB=
000096 5040D444              00044C (2/44)347+    ST R4,AMSG      SAVE BUFFER FOR RE-ENTRY
00009A 41000002              (16/62)350+   LA 0,2          R0 = TCPIO OP OPEN CLIENT PORT CONNECTION
00009E 41E00000              (16/68)351+   LA 14,0         R14= 0 FOR LOCAL HOST
0000A2 41100F3C              (16/118)352+  LA 1,3900
0000A6 0A7C                  (16/123)353+  SVC X'7C' R0=OP(1-5) R1=PORT R14=HOST/MSG R15=LMSG
0000A8 49F0D440              000448 (8/43)356+    CH R15,=H'0'
0000AC 4780D0DC              0000E4 (8/46)357+    BC 15-NE,ZSTR_IF_2
0000B0 A7150017              0000DE (17/49)361+   BRAS 1,*+(WTO#0008_EOT-*+1)/2*2
0000B4 00290000C4C5D4D6      (17/50)362+    DC AL2(WTO#0008_EOT-*,0),C'DEMOCMGR OPEN FAILED HOST=* PORT=3900'
0000DD 0000DD              (17/51)364+WTO#0008_EOT EQU *
0000DE 0A23                  (17/52)365+   SVC 35
0000E0 47F0D31E              000326 (2/48)367+    B ABORT
0000E4 0000E4              (10/33)370+ZSTR_IF_2 EQU *
0000E4 0000E4              (10/33)375+ZSTR_IF_1 EQU *
0000E4 41000008              (18/98)380+   LA 0,8 NANOSECONDS - DOUBLE WORD BIT 63 NANO-SEC COUNTER
0000E8 41104004              000004 (18/76)381+   LA 1,MSGTIME
0000EC 0A0B                  (18/81)382+   SVC 11 TIME AND DATE
0000EE D207D4504004          000458 000004 (2/52)384+    MVC SAVETIME,MSGTIME SAVE MSGTIME FOR MATCHING SEND/RCV
0000F4 D207400C2000          00000C (2/53)385+    MVC MSGNAME,0(R2) MOVE SERVICE NAME TO MSG
0000FA D2034014D434          000014 00043C (2/54)386+    MVC MSGRC,=F'0' ZERO RETURN CODE FIELD

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000100 41604018      000018 (2/55)387+    LA R6,MSGPARMS    R6 = ADDRESS FIRST PARM IN BUFFER
000104 A79AFFE8      (2/56)388+    AHI R9,-(MSGPARMS-IHAMSG) R9 = REMAINING BYTES FOR PARMS
000108              (2/57)389+*****
000108              (2/58)390+* TEST EACH SERVICE NAME AND IF FOUND,
000108              (2/59)391+* 1. BUILD SEND MESSAGE WITH NAME AND PARMS
000108              (2/60)392+* 2. WAIT FOR RECEIVED RESPONSE MESSAGE
000108              (2/61)393+* 3. UPDATE NON READ ONLY PARMS RETURNED
000108              (2/62)394+* 4. EXIT TO CALLER WITH RETURN CODE RETURNED
000108              (2/63)395+*****
000108 D5072000D420    000428 (8/43)398+    CLC 0(8,R2),=CL8'DEMOSUB1'
00010E 4770D1EA      0001F2 (8/46)399+    BC 15-EQ,ZSTR_IF_3
000112              (2/71)401+*****
000112              (2/72)402+* BUILD SEND MESSAGE
000112              (2/73)403+*****
000112 58830000        (2/80)404+    L R8,0(R3)        R1=A(NEXT PARM)
000116 5870D438      000440 (2/94)405+    L R7,=F'45'
00011A 0E68          (2/95)406+    MVCL R6,R8        MOVE SEND PARM
00011C 58830004      (2/80)407+    L R8,4(R3)        R1=A(NEXT PARM)
000120 5870D438      000440 (2/94)408+    L R7,=F'45'
000124 0E68          (2/95)409+    MVCL R6,R8        MOVE SEND PARM
000126 58830008      (2/80)410+    L R8,8(R3)        R1=A(NEXT PARM)
00012A 5870D438      000440 (2/94)411+    L R7,=F'45'
00012E 0E68          (2/95)412+    MVCL R6,R8        MOVE SEND PARM
000130 1B64          (2/100)413+   SR R6,R4
000132 50604000      000000 (2/101)414+   ST R6,MSGLEN     SET MSG LENGTH
000136              (2/102)415+*****
000136              (2/103)416+* SEND MESSAGE TO SOACMGR SERVER
000136              (2/104)417+*****
000136 41000004        (16/77)420+   LA 0,4            R0 = TCPIO OP SEND MSG VIA PORT CONNECTION
00013A 1B22          (16/92)421+   SR 2,2 (SVC WILL ISSUE ERROR IF SERVER PORT AND R2=-1)
00013C 0620          (16/93)422+   BCTR 2,0
00013E 18E4          (15/27)424+   LR 14,R4
000140 58F04000      000000 (16/108)426+   L 15,MSGLEN
000144 41100F3C      (16/118)427+   LA 1,3900
000148 0A7C          (16/123)428+   SVC X'7C' R0=OP(1-5) R1=PORT R14=HOST/MSG R15=LMSG
00014A 49F0D440      000448 (8/43)431+   CH R15,=H'0'
00014E 4780D184      00018C (8/46)432+   BC 15-NE,ZSTR_IF_4
000152 A715001A      000186 (17/49)436+   BRAS 1,*+(WTO#0018_EOT-*+1)/2*2
000156 002F0000C4C5D4D6 (17/50)437+   DC AL2(WTO#0018_EOT-*,0),C'DEMOCMGR ERROR ON TCPIO SEND MSG - ABORTING'
000185              000185 (17/51)439+WTO#0018_EOT EQU *
000186 0A23          (17/52)440+   SVC 35
000188 47F0D31E      000326 (2/108)442+   B ABORT

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00018C          00018C      (10/33)445+ZSTR_IF_4 EQU *
00018C          (2/110)448+*****
00018C          (2/111)449+* RECEIVE RESPONSE MESSAGE FROM SOACMGR SERVER AND CLOSE PORT
00018C          (2/112)450+*****
00018C 1864          (2/113)451+      LR  R6,R4
00018E 5870D448    000450 (2/114)452+      L  R7,LMAX
000192 1B88          (2/115)453+      SR  R8,R8
000194 1B99          (2/116)454+      SR  R9,R9
000196 0E68          (2/117)455+      MVCL R6,R8 CLEAR MESSAGE BUFFER
000198 41B00004    (2/118)456+      LA  R11,4      R11 = LENGTH (4 BYTE RECORD LENGTH)
00019C 41E04000    000000 (2/119)457+      LA  R14,IHAMSG INTO MSG BUFFER
0001A0 45C0D330    000338 (2/120)458+      BAL R12,READ_VLR_MSG
0001A4 D507400CD420 00000C 000428 (8/43)461+      CLC MSGNAME,=CL8'DEMOSUB1'
0001AA 4780D1D4    0001DC (8/46)462+      BC  15-NE,ZSTR_IF_5
0001AE A7150014    0001D6 (17/49)466+      BRAS 1,*+(WTO#0022_EOT-*+1)/2*2
0001B2 0023000040C9D5E5 (17/50)467+      DC  AL2(WTO#0022_EOT-*,0),C' INVALID TCPIO RECEIVE MSG NAME'
0001D5          0001D5      (17/51)468+WTO#0022_EOT EQU *
0001D6 0A23          (17/52)469+      SVC  35
0001D8 47F0D31E    000326 (2/123)471+      B  ABORT
0001DC          0001DC      (10/33)474+ZSTR_IF_5 EQU *
0001DC          (2/125)477+*****
0001DC          (2/126)478+* UPDATE NON READ ONLY PARMS RETURNED
0001DC          (2/127)479+*****
0001DC 41804018    000018 (2/128)480+      LA  R8,MSGPARMS
0001E0 5890D448    000450 (2/129)481+      L  R9,LMAX
0001E4 58630008    (2/138)482+      L  R6,8(R3)      R6=A(NEXT PARM)
0001E8 5870D438    000440 (2/139)483+      L  R7,=F'45'
0001EC 0E68          (2/140)484+      MVCL R6,R8      RETURN UPDATED PARM
0001EE 47F0D30A    000312 (2/145)485+      B  EXIT
0001F2          0001F2      (10/33)488+ZSTR_IF_3 EQU *
0001F2 D5072000D428 000430 (8/43)493+      CLC 0(8,R2),=CL8'DEMOSUB2'
0001F8 4770D2D4    0002DC (8/46)494+      BC  15-EQ,ZSTR_IF_6
0001FC          (2/71)496+*****
0001FC          (2/72)497+* BUILD SEND MESSAGE
0001FC          (2/73)498+*****
0001FC 58830000    (2/80)499+      L  R8,0(R3)      R1=A(NEXT PARM)
000200 5870D43C    000444 (2/94)500+      L  R7,=F'4'
000204 0E68          (2/95)501+      MVCL R6,R8      MOVE SEND PARM
000206 58830004    (2/80)502+      L  R8,4(R3)      R1=A(NEXT PARM)
00020A 5870D43C    000444 (2/94)503+      L  R7,=F'4'
00020E 0E68          (2/95)504+      MVCL R6,R8      MOVE SEND PARM
000210 58830008    (2/80)505+      L  R8,8(R3)      R1=A(NEXT PARM)
000214 5870D43C    000444 (2/94)506+      L  R7,=F'4'

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000218 0E68          (2/95)507+      MVCL R6,R8      MOVE SEND PARM
00021A 1B64          (2/100)508+     SR  R6,R4
00021C 50604000     000000 (2/101)509+     ST  R6,MSGLEN  SET MSG LENGTH
000220          (2/102)510+*****
000220          (2/103)511+* SEND MESSAGE TO SOACMGR SERVER
000220          (2/104)512+*****
000220 41000004        (16/77)515+    LA  0,4      R0 = TCPIO OP SEND MSG VIA PORT CONNECTION
000224 1B22          (16/92)516+    SR  2,2     (SVC WILL ISSUE ERROR IF SERVER PORT AND R2=-1)
000226 0620          (16/93)517+    BCTR 2,0
000228 18E4          (15/27)519+    LR  14,R4
00022A 58F04000     000000 (16/108)521+    L   15,MSGLEN
00022E 41100F3C      (16/118)522+   LA  1,3900
000232 0A7C          (16/123)523+   SVC  X'7C' R0=OP(1-5) R1=PORT R14=HOST/MSG R15=LMSG
000234 49F0D440     000448 (8/43)526+    CH  R15,=H'0'
000238 4780D26E     000276 (8/46)527+    BC  15-NE,ZSTR_IF_7
00023C A715001A      000270 (17/49)531+   BRAS 1,*+(WTO#0031_EOT-*+1)/2*2
000240 002F0000C4C5D4D6 (17/50)532+   DC  AL2(WTO#0031_EOT-*,0),C'DEMOCMGR ERROR ON TCPIO SEND MSG - ABORTING'
00026F          00026F (17/51)534+WTO#0031_EOT EQU *
000270 0A23          (17/52)535+    SVC  35
000272 47F0D31E     000326 (2/108)537+    B   ABORT
000276          000276 (10/33)540+ZSTR_IF_7 EQU *
000276          (2/110)543+*****
000276          (2/111)544+* RECEIVE RESPONSE MESSAGE FROM SOACMGR SERVER AND CLOSE PORT
000276          (2/112)545+*****
000276 1864          (2/113)546+    LR  R6,R4
000278 5870D448     000450 (2/114)547+    L   R7,LMAX
00027C 1B88          (2/115)548+    SR  R8,R8
00027E 1B99          (2/116)549+    SR  R9,R9
000280 0E68          (2/117)550+    MVCL R6,R8 CLEAR MESSAGE BUFFER
000282 41B00004      (2/118)551+    LA  R11,4    R11 = LENGTH (4 BYTE RECORD LENGTH)
000286 41E04000     000000 (2/119)552+    LA  R14,IHAMSG INTO MSG BUFFER
00028A 45C0D330      000338 (2/120)553+    BAL R12,READ_VLR_MSG
00028E D507400CD428 00000C 000430 (8/43)556+    CLC MSGNAME,=CL8'DEMOSUB2'
000294 4780D2BE      0002C6 (8/46)557+    BC  15-NE,ZSTR_IF_8
000298 A7150014      0002C0 (17/49)561+   BRAS 1,*+(WTO#0035_EOT-*+1)/2*2
00029C 0023000040C9D5E5 (17/50)562+   DC  AL2(WTO#0035_EOT-*,0),C'INVALID TCPIO RECEIVE MSG NAME'
0002BF          0002BF (17/51)563+WTO#0035_EOT EQU *
0002C0 0A23          (17/52)564+    SVC  35
0002C2 47F0D31E     000326 (2/123)566+    B   ABORT
0002C6          0002C6 (10/33)569+ZSTR_IF_8 EQU *
0002C6          (2/125)572+*****
0002C6          (2/126)573+* UPDATE NON READ ONLY PARMS RETURNED

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0002C6          (2/127)574+*****
0002C6 41804018 000018 (2/128)575+      LA R8,MSGPARMS
0002CA 5890D448 000450 (2/129)576+      L R9,LMAX
0002CE 58630008          (2/138)577+      L R6,8(R3)      R6=A(NEXT PARM)
0002D2 5870D43C 000444 (2/139)578+      L R7,=F'4'
0002D6 0E68          (2/140)579+      MVCL R6,R8      RETURN UPDATED PARM
0002D8 47F0D30A 000312 (2/145)580+      B EXIT
0002DC          0002DC (10/33)583+ZSTR_IF_6 EQU *
0002DC A7150018 00030C (17/49)588+      BRAS 1,*+(WTO#0040_EOT-*+1)/2*2
0002E0 002C0000E2D6C1C3 (17/50)589+      DC AL2(WTO#0040_EOT-*,0),C'SOACMGR SOA SERVICE NOT FOUND = ABORTING'
00030C          00030C (17/51)591+WTO#0040_EOT EQU *
00030C 0A23          (17/52)592+      SVC 35
00030E 47F0D31E 000326 (2/150)594+      B ABORT
000312          (2/151)595+*****
000312          (2/152)596+* EXIT TO CALLER WITH RETURN CODE FROM SERVICE
000312          (2/153)597+*****
000312          000312 (2/154)598+EXIT EQU *
000312 58F04014 000014 (2/155)599+      L R15,MSGRC
000316 18FF          (15/27)602+      LR 15,(15)
000318 58D0D004          (19/50)604+      L 13,4,(13)
00031C 58E0D00C          (19/51)605+      L 14,12,(13)
000320 982CD01C          (19/52)606+      LM 2,12,28(13)
000324 07FE          (19/53)607+      BR 14
000326          (19/29)610+ABORT DS 0H
000326 41F0000C          (19/33)611+      LA 15,12
00032A 58D0D004          (19/50)612+      L 13,4,(13)
00032E 58E0D00C          (19/51)613+      L 14,12,(13)
000332 982CD01C          (19/52)614+      LM 2,12,28(13)
000336 07FE          (19/53)615+      BR 14
000338          (2/158)617+*****
000338          (2/159)618+* READ VARIABLE LENGTH MSG INTO BUFFER AT R14
000338          (2/160)619+* R14 = READ START ADDRESS
000338          (2/161)620+*****
000338          (2/162)621+READ_VLR_MSG DS 0H
000338 50C0D41C 000424 (2/163)622+      ST R12,VLR_SAVE  SAVE RETURN ACROSS READ_MSG
00033C D703D418D418 000420 000420 (2/164)623+      XC READ_LEN,READ_LEN ZERO READ_LEN BYTES
000342 58B0D448 000450 (2/165)624+      L R11,LMAX  MAX LENGTH MESSAGE ALLOWED
000346 45C0D386 00038E (2/166)625+      BAL R12,READ_MSG
00034A 18A2          (2/167)626+      LR R10,R2  READ REST ENTIRE MSG FROM SAME CONN
00034C          00034C (5/44)628+ZSTR_DO_1_TEST EQU *
00034C D503D418D43C 000420 000444 (8/43)630+      CLC READ_LEN,=F'4'
000352 47B0D352 00035A (8/46)631+      BC 15-LT,ZSTR_IF_9
000356 47F0D356 00035E (5/47)633+      B ZSTR_DO_1_CODE

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00035A      00035A      (10/33)636+ZSTR_IF_9 EQU *
00035A 47F0D362      00036A (5/49)639+   B  ZSTR_DO_1_END
00035E      00035E      (5/50)640+ZSTR_DO_1_CODE EQU *
00035E 1BB1          (2/169)642+   SR  R11,R1  REDUCE REMAINING MAX
000360 1AE1          (2/170)643+   AR  R14,R1  UPDATE READ STARTING ADDR
000362 45C0D386      00038E (2/171)644+   BAL R12,READ_MSG
000366 47F0D344      00034C (5/58)647+   B  ZSTR_DO_1_TEST
00036A      00036A      (5/59)648+ZSTR_DO_1_END EQU *
00036A      00036A      (5/44)652+ZSTR_DO_2_TEST EQU *
00036A D503D4184000 000420 000000 (8/43)654+   CLC READ_LEN,MSGLEN
000370 47B0D370      000378 (8/46)655+   BC  15-LT,ZSTR_IF_10
000374 47F0D374      00037C (5/47)657+   B  ZSTR_DO_2_CODE
000378      000378      (10/33)660+ZSTR_IF_10 EQU *
000378 47F0D380      000388 (5/49)663+   B  ZSTR_DO_2_END
00037C      00037C      (5/50)664+ZSTR_DO_2_CODE EQU *
00037C 1BB1          (2/174)666+   SR  R11,R1  REDUCE REMAINING MAX
00037E 1AE1          (2/175)667+   AR  R14,R1  UPDATE READ STARTING ADDR
000380 45C0D386      00038E (2/176)668+   BAL R12,READ_MSG
000384 47F0D362      00036A (5/58)671+   B  ZSTR_DO_2_TEST
000388      000388      (5/59)672+ZSTR_DO_2_END EQU *
000388 58C0D41C      000424 (2/178)675+   L  R12,VLR_SAVE
00038C 07FC          (2/179)676+   BR  R12
00038E      (2/180)677+*****
00038E      (2/181)678+* READ THE NUMBER OF BYTES AVAILABLE UP TO R11 INTO BUFFER ELSE ABORT
00038E      (2/182)679+* R11 = MAX LENGTH TO READ
00038E      (2/183)680+* R14 = READ START ADDRESS
00038E      (2/184)681+* INCREMENT READ_LEN BY BYTES READ IN R1
00038E      (2/185)682+*****
00038E      (2/186)683+READ_MSG DS  0H
00038E 41000005      (16/80)686+   LA  0,5    R0 = TCPIO OP RECV MSG VIA PORT CONNECTION
000392 1B22          (16/92)687+   SR  2,2   (SVC WILL ISSUE ERROR IF SERVER PORT AND R2=-1)
000394 0620          (16/93)688+   BCTR 2,0
000396 18FB          (15/27)692+   LR  15,R11
000398 41100F3C      (16/118)694+  LA  1,3900
00039C 0A7C          (16/123)695+  SVC  X'7C' R0=OP(1-5) R1=PORT R14=HOST/MSG R15=LMSG
00039E 49F0D440      000448 (8/43)698+   CH  R15,=H'0'
0003A2 4780D3CE      0003D6 (8/46)699+   BC  15-NE,ZSTR_IF_11
0003A6 A7150015      0003D0 (17/49)703+  BRAS 1,*+(WTO#0060_EOT-*)/2*2
0003AA 00260000E3C3D7C9 (17/50)704+  DC  AL2(WTO#0060_EOT-*,0),C'TCPIO ERROR DEMOCMGR RECEIVE RC NZ'
0003D0      0003D0      (17/51)706+WTO#0060_EOT EQU *
0003D0 0A23          (17/52)707+   SVC  35
0003D2 47F0D31E      000326 (2/190)709+   B  ABORT

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0003D6      0003D6      (10/33)712+ZSTR_IF_11 EQU *
0003D6 4910D440      000448 (8/43)716+   CH R1,=H'0'
0003DA 4720D40C      000414 (8/46)717+   BC 15-LE,ZSTR_IF_12
0003DE A7150018      00040E (17/49)721+   BRAS 1,*+(WTO#0064_EOT-*)/2*2
0003E2 002C0000E3C3D7C9      (17/50)722+   DC AL2(WTO#0064_EOT-*,0),C'TCPIO ERROR DEMOCMGR RECEIVE LENGTH <= 0'
00040E      00040E      (17/51)724+WTO#0064_EOT EQU *
00040E 0A23          (17/52)725+   SVC 35
000410 47F0D31E      000326 (2/194)727+   B ABORT
000414      000414      (10/33)730+ZSTR_IF_12 EQU *
000414 5800D418      000420 (2/196)733+   L R0,READ_LEN
000418 1A01          (2/197)734+   AR R0,R1
00041A 5000D418      000420 (2/198)735+   ST R0,READ_LEN
00041E 07FC          (2/199)736+   BR R12
000420 00000000      (2/200)737+READ_LEN DC F'0' BYTES READ BY READ_MSG
000424 00000000      (2/201)738+VLR_SAVE DC A(0)
000428          (2/202)739+   LTORG
000428 C4C5D4D6E2E4C2F1 =CL8'DEMOSUB1'
000430 C4C5D4D6E2E4C2F2 =CL8'DEMOSUB2'
000438 00000000      =A(0)
00043C 00000000      =F'0'
000440 0000002D      =F'45'
000444 00000004      =F'4'
000448 0000          =H'0'
00044C 00000000      (2/206)740+AMSG DC A(0) ADDRESS OF MSG BUFFER
000450 0000009F      (2/207)741+LMAX DC A(MSGPARMS-IHAMSG+135) MAXIMUM LENGTH OF MESSAGE
000454 0000001C      (2/208)742+LMIN DC A(MSGPARMS-IHAMSG+4) MINIMUM LENGTH OF MESSAGE
000458 0000000000000000      (2/209)743+SAVETIME DC XL8'0'
000460      000000      (20/36)745+R0 EQU 0
000460      000001      (20/36)746+R1 EQU 1
000460      000002      (20/36)747+R2 EQU 2
000460      000003      (20/36)748+R3 EQU 3
000460      000004      (20/36)749+R4 EQU 4
000460      000005      (20/36)750+R5 EQU 5
000460      000006      (20/36)751+R6 EQU 6
000460      000007      (20/36)752+R7 EQU 7
000460      000008      (20/36)753+R8 EQU 8
000460      000009      (20/36)754+R9 EQU 9
000460      00000A      (20/36)755+R10 EQU 10
000460      00000B      (20/36)756+R11 EQU 11
000460      00000C      (20/36)757+R12 EQU 12
000460      00000D      (20/36)758+R13 EQU 13
000460      00000E      (20/36)759+R14 EQU 14
000460      00000F      (20/36)760+R15 EQU 15

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000460      (21/3)763+*****
000460      (21/4)764+* Copyright 2007 Automated Software Tools Corporation *
000460      (21/5)765+* This source code is part of z390 assembler/emulator package *
000460      (21/6)766+* The z390 package is distributed under GNU general public license *
000460      (21/7)767+* Author - Don Higgins *
000460      (21/8)768+* Date - 01/01/07 *
000000      (21/13)769+IHAMSG DSECT
000000      (21/14)770+MSGLEN DS F TOTAL LENGTH OF MSG = SUM OF PARMS + 24
000004      (21/15)771+MSGTIME DS FL8 NS TIME STAMP
00000C      (21/16)772+MSGNAME DS CL8 NAME OF SERVICE BEING CALLED
000014      (21/17)773+MSGRC DS A SERVICE RETURN CODE
000018      000018 (21/18)774+MSGPARMS EQU *
000018      (1/3)777 END

```

Symbol Table Listing

```

SYM=$PRIVATE LOC=00000000 LEN=00000000 ESD=0001 TYPE=CST XREF=295
SYM=ABORT LOC=00000326 LEN=00000002 ESD=0002 TYPE=REL XREF=610 367 442 471 537
566 594 709 727
SYM=AMSG LOC=0000044C LEN=00000004 ESD=0002 TYPE=REL XREF=740 333 347
SYM=DEMOCMGR LOC=00000000 LEN=00000460 ESD=0002 TYPE=CST XREF=317 327
SYM=E LOC=00000008 LEN=00000001 ESD=0000 TYPE=ABS XREF=297
SYM=EQ LOC=00000008 LEN=00000001 ESD=0000 TYPE=ABS XREF=309 336 399 494
SYM=EXIT LOC=00000312 LEN=00000001 ESD=0002 TYPE=REL XREF=598 485 580
SYM=GE LOC=0000000B LEN=00000001 ESD=0000 TYPE=ABS XREF=312
SYM=GT LOC=00000002 LEN=00000001 ESD=0000 TYPE=ABS XREF=310
SYM=H LOC=00000002 LEN=00000001 ESD=0000 TYPE=ABS XREF=295
SYM=IHAMSG LOC=00000000 LEN=00000018 ESD=0003 TYPE=DST XREF=769 346 388 457 552
741 742
SYM=L LOC=00000004 LEN=00000001 ESD=0000 TYPE=ABS XREF=296
SYM=LE LOC=0000000D LEN=00000001 ESD=0000 TYPE=ABS XREF=313 717
SYM=LMAX LOC=00000450 LEN=00000004 ESD=0002 TYPE=REL XREF=741 332 452 481 547
576 624
SYM=LMIN LOC=00000454 LEN=00000004 ESD=0002 TYPE=REL XREF=742
SYM=LT LOC=00000004 LEN=00000001 ESD=0000 TYPE=ABS XREF=311 631 655
SYM=M LOC=00000004 LEN=00000001 ESD=0000 TYPE=ABS XREF=303
SYM=MSGLEN LOC=00000000 LEN=00000004 ESD=0003 TYPE=REL XREF=770 414 426 509 521
654
SYM=MSGNAME LOC=0000000C LEN=00000008 ESD=0003 TYPE=REL XREF=772 385 461 556
SYM=MSGPARMS LOC=00000018 LEN=00000001 ESD=0003 TYPE=REL XREF=774 387 388 480 575
741 742
SYM=MSGRC LOC=00000014 LEN=00000004 ESD=0003 TYPE=REL XREF=773 386 599

```

SYM=MSGTIME LOC=00000004 LEN=00000008 ESD=0003 TYPE=REL XREF=771 381 384
SYM=NE LOC=00000007 LEN=00000001 ESD=0000 TYPE=ABS XREF=300 357 432 462 527
557 699
SYM=NH LOC=0000000D LEN=00000001 ESD=0000 TYPE=ABS XREF=298
SYM=NL LOC=0000000B LEN=00000001 ESD=0000 TYPE=ABS XREF=299
SYM=NM LOC=0000000B LEN=00000001 ESD=0000 TYPE=ABS XREF=306
SYM=NO LOC=0000000E LEN=00000001 ESD=0000 TYPE=ABS XREF=308
SYM=NP LOC=0000000D LEN=00000001 ESD=0000 TYPE=ABS XREF=305
SYM=NZ LOC=00000007 LEN=00000001 ESD=0000 TYPE=ABS XREF=307
SYM=O LOC=00000001 LEN=00000001 ESD=0000 TYPE=ABS XREF=301
SYM=P LOC=00000002 LEN=00000001 ESD=0000 TYPE=ABS XREF=302
SYM=R0 LOC=00000000 LEN=00000001 ESD=0000 TYPE=ABS XREF=745 733 734 735
SYM=R10 LOC=0000000A LEN=00000001 ESD=0000 TYPE=ABS XREF=755 626
SYM=R1 LOC=00000001 LEN=00000001 ESD=0000 TYPE=ABS XREF=746 329 345 642 643
666 667 716 734
SYM=R11 LOC=0000000B LEN=00000001 ESD=0000 TYPE=ABS XREF=756 456 551 624 642
666 692
SYM=R12 LOC=0000000C LEN=00000001 ESD=0000 TYPE=ABS XREF=757 458 553 622 625
644 668 675 676 736
SYM=R13 LOC=0000000D LEN=00000001 ESD=0000 TYPE=ABS XREF=758
SYM=R14 LOC=0000000E LEN=00000001 ESD=0000 TYPE=ABS XREF=759 457 552 643 667
SYM=R15 LOC=0000000F LEN=00000001 ESD=0000 TYPE=ABS XREF=760 356 431 526 599
698
SYM=R2 LOC=00000002 LEN=00000001 ESD=0000 TYPE=ABS XREF=747 329 330 385 398
493 626
SYM=R3 LOC=00000003 LEN=00000001 ESD=0000 TYPE=ABS XREF=748 330 331 404 407
410 482 499 502 505 577
SYM=R4 LOC=00000004 LEN=00000001 ESD=0000 TYPE=ABS XREF=749 333 335 345 346
347 413 424 451 508 519 546
SYM=R5 LOC=00000005 LEN=00000001 ESD=0000 TYPE=ABS XREF=750
SYM=R6 LOC=00000006 LEN=00000001 ESD=0000 TYPE=ABS XREF=751 387 406 409 412
413 414 451 455 482 484 501 504 507 508 509 546 550 577 579
SYM=R7 LOC=00000007 LEN=00000001 ESD=0000 TYPE=ABS XREF=752 405 408 411 452
483 500 503 506 547 578
SYM=R8 LOC=00000008 LEN=00000001 ESD=0000 TYPE=ABS XREF=753 404 406 407 409
410 412 453 455 480 484 499 501 502 504 505 507 548 550 575 579
SYM=R9 LOC=00000009 LEN=00000001 ESD=0000 TYPE=ABS XREF=754 332 388 454 481
549 576
SYM=READ_LEN LOC=00000420 LEN=00000004 ESD=0002 TYPE=REL XREF=737 623 630 654 733
735
SYM=READ_MSG LOC=0000038E LEN=00000002 ESD=0002 TYPE=REL XREF=683 625 644 668
SYM=READ_VLR_MSG LOC=00000338 LEN=00000002 ESD=0002 TYPE=REL XREF=621 458 553
SYM=SAVETIME LOC=00000458 LEN=00000008 ESD=0002 TYPE=REL XREF=743 384

SYM=VLR_SAVE LOC=00000424 LEN=00000004 ESD=0002 TYPE=REL XREF=738 622 675
 SYM=WTO#0008_EOT LOC=000000DD LEN=00000001 ESD=0002 TYPE=REL XREF=364 361 362
 SYM=WTO#0018_EOT LOC=00000185 LEN=00000001 ESD=0002 TYPE=REL XREF=439 436 437
 SYM=WTO#0022_EOT LOC=000001D5 LEN=00000001 ESD=0002 TYPE=REL XREF=468 466 467
 SYM=WTO#0031_EOT LOC=0000026F LEN=00000001 ESD=0002 TYPE=REL XREF=534 531 532
 SYM=WTO#0035_EOT LOC=000002BF LEN=00000001 ESD=0002 TYPE=REL XREF=563 561 562
 SYM=WTO#0040_EOT LOC=0000030C LEN=00000001 ESD=0002 TYPE=REL XREF=591 588 589
 SYM=WTO#0060_EOT LOC=000003D0 LEN=00000001 ESD=0002 TYPE=REL XREF=706 703 704
 SYM=WTO#0064_EOT LOC=0000040E LEN=00000001 ESD=0002 TYPE=REL XREF=724 721 722
 SYM=Z LOC=00000008 LEN=00000001 ESD=0000 TYPE=ABS XREF=304
 SYM=ZSTR_DO_1_CODE LOC=0000035E LEN=00000001 ESD=0002 TYPE=REL XREF=640 633
 SYM=ZSTR_DO_1_END LOC=0000036A LEN=00000001 ESD=0002 TYPE=REL XREF=648 639
 SYM=ZSTR_DO_1_TEST LOC=0000034C LEN=00000001 ESD=0002 TYPE=REL XREF=628 647
 SYM=ZSTR_DO_2_CODE LOC=0000037C LEN=00000001 ESD=0002 TYPE=REL XREF=664 657
 SYM=ZSTR_DO_2_END LOC=00000388 LEN=00000001 ESD=0002 TYPE=REL XREF=672 663
 SYM=ZSTR_DO_2_TEST LOC=0000036A LEN=00000001 ESD=0002 TYPE=REL XREF=652 671
 SYM=ZSTR_IF_10 LOC=00000378 LEN=00000001 ESD=0002 TYPE=REL XREF=660 655
 SYM=ZSTR_IF_1 LOC=000000E4 LEN=00000001 ESD=0002 TYPE=REL XREF=375 336
 SYM=ZSTR_IF_11 LOC=000003D6 LEN=00000001 ESD=0002 TYPE=REL XREF=712 699
 SYM=ZSTR_IF_12 LOC=00000414 LEN=00000001 ESD=0002 TYPE=REL XREF=730 717
 SYM=ZSTR_IF_2 LOC=000000E4 LEN=00000001 ESD=0002 TYPE=REL XREF=370 357
 SYM=ZSTR_IF_3 LOC=000001F2 LEN=00000001 ESD=0002 TYPE=REL XREF=488 399
 SYM=ZSTR_IF_4 LOC=0000018C LEN=00000001 ESD=0002 TYPE=REL XREF=445 432
 SYM=ZSTR_IF_5 LOC=000001DC LEN=00000001 ESD=0002 TYPE=REL XREF=474 462
 SYM=ZSTR_IF_6 LOC=000002DC LEN=00000001 ESD=0002 TYPE=REL XREF=583 494
 SYM=ZSTR_IF_7 LOC=00000276 LEN=00000001 ESD=0002 TYPE=REL XREF=540 527
 SYM=ZSTR_IF_8 LOC=000002C6 LEN=00000001 ESD=0002 TYPE=REL XREF=569 557
 SYM=ZSTR_IF_9 LOC=0000035A LEN=00000001 ESD=0002 TYPE=REL XREF=636 631

Literal Table Listing

LIT=A(0) LOC=00000438 LEN=00000004 ESD=0002 POOL=0001 XREF=335
 LIT=CL8'DEMOSUB1' LOC=00000428 LEN=00000008 ESD=0002 POOL=0001 XREF=398 461
 LIT=CL8'DEMOSUB2' LOC=00000430 LEN=00000008 ESD=0002 POOL=0001 XREF=493 556
 LIT=F'0' LOC=0000043C LEN=00000004 ESD=0002 POOL=0001 XREF=386
 LIT=F'4' LOC=00000444 LEN=00000004 ESD=0002 POOL=0001 XREF=500 503 506 578 630
 LIT=F'45' LOC=00000440 LEN=00000004 ESD=0002 POOL=0001 XREF=405 408 411 483
 LIT=H'0' LOC=00000448 LEN=00000002 ESD=0002 POOL=0001 XREF=356 431 526 698 716

AZ390I total mnote warnings = 0

AZ390I total mnote errors = 0

AZ390I max mnote level = 0

AZ390I total mz390 errors = 0

AZ390I total az390 errors = 0

09:20:52 DEMOCMGR MZ390 ENDED RC= 0 SEC= 0 MEM(MB)= 40 IO=2037