```
{Application 'MDGBATCH' logic file generated by CSPro }
{---------------Last update 2007/10/30----------------}
PROC GLOBAL
Numeric eFlag,i,j,Ptot,Wtot,Cnt,Ltag0,Ltag1,Ltag2,Cnt1,Cnt2;
Numeric VALUE1,VALUE2,VALUE3,Btot,Gtot,Stot,Tag_Rec6,NumPeople;
Alpha QNo,CaseNo,IdInfo;
Alpha A1,A2,A3,A4,A5,A6,A7,A8,A9,A10,A11,A12,A13,A14,A15;
Function Alpha FormatCno(VAL1,VAL2);
      A1 = edit("99",VAL1);
      A2 = edit("9999",VAL2);
      FormatCno = concat(strip(A1),strip(A2));
end;
Function Alpha FormatIdn1(VAL1,VAL2,VAL3,VAL4,VAL5,VAL6);
      A1 = edit("9999",VAL1);
      A2 = edit("99",VAL2);
      A3 = edit("99",VAL3);
      A4 = edit("99",VAL4);
      A5 = edit("9",VAL5);
      A6 = edit("999",VAL6);
      FormatIdn1 =
Concat(strip(A1),strip(A2),strip(A3),strip(A4),strip(A5),strip(A6));
end;
Function Alpha FormatIdn2(VAL7,VAL8,VAL9,VAL10,VAL11,VAL12,VAL13);
      A7 = edit("999",VAL7);
      A8 = edit("999",VAL8);
      A9 = edit("99",VAL9);
      A10 = edit("9",VAL10);
      A11 = edit("9",VAL11);
      A12 = edit("9",VAL12);
      A13 = edit("9",VAL13);
      FormatIdn2 =
concat(strip(A7),strip(A8),strip(A9),strip(A10),strip(A11),strip(A12),strip(A13)
);
end;
PROC MDHD_FF
PREPROC
write
("*******************************************************************************
*******************");
Write ("Date : %s
Time : %s",
       edit("9999/99/99",sysdate("YYYYMMDD")),edit("99:99:99",systime()));
write ("                      Servey to collect information for selected MDG
Indicators - 2006        ");
write ("                                         Data Entry Error Report        ");
write (" ");
write
("*******************************************************************************
*******************");
{write ("  ");  { blank line }}
POSTPROC
write (" ");
write ("------------------------------------------------------------------------
-------------------------");
write ("   Report Summary ");
write ("------------------------------------------------------------------------
-------------------------");
```

```
If Cnt > 0 Then
      write ("  ");
      Write ("No.of Cases Checked : %04d",Cnt);
Endif;
PROC QUEST
PREPROC
Cnt1 = Cnt1 + 1;
eFlag = 0;
Ltag0 = 0;Ltag1=0;Ltag2=0;
CaseNo = FormatCno(SERIAL_NO,QEST);
{IdInfo =
FormatIdn(CLUSTER,CNSSU,DISTRICT,DS_DIVISION,SECTOR,GN_DIVISION,WARD,PSU,SSU,LIS
TING,TSUNAMI,HOUSHOLDS,HH_NO);}
{write ("  ");   { blank line }}
A14 = FormatIdn1(CLUSTER,CNSSU,DISTRICT,DS_DIVISION,SECTOR,GN_DIVISION);
A15 = FormatIdn2(WARD,PSU,SSU,LISTING,TSUNAMI,HOUSHOLDS,HH_NO);
write ("-----------------------------------------------------------------
-----------------------");
write ("Serial No : %s              Indentification Info :
%s%s",CaseNo,A14,A15);
write ("-----------------------------------------------------------------
-----------------------");
POSTPROC
Cnt = Cnt + 1;

{-----------------------------------Structural Edits--------------------------
--------}
Write("-----Structural Edits-----");
{
If A04_SEX = 2 And A06_AGE >= 18 And A06_AGE <= 60 And Q118_HOUSE_TYPE In 4:7
Then
      If Not totocc(REC5_EDT) > 0 then
            write("(Sec-02.).'A4=2 And 18<=A6<=60 And Q118=4:7 ==>
WNO=Blank'.");
      Endif;
Endif;
}
{Identification}
{2}
If RESULT_CODE = 1 Then
      If Not Totocc(REC2_EDT) > 0 Or Not Totocc(REC3_EDT) > 0 Then
            write("(Identification).'ENURSL=1 ==> Section A and Section-
1<>Blank'.");
      Endif;
Endif;
{3}
If RESULT_CODE <> 1 Then
      If Totocc(REC2_EDT) > 0 Or Totocc(REC5_EDT) > 0 Or Totocc(REC6_EDT) > 0 Or
         Totocc(REC7_EDT) > 0 Or Totocc(REC8_EDT) > 0 Or Totocc(REC9_EDT) > 0 Or
         Totocc(REC10_EDT) > 0 Or Totocc(REC11_EDT) > 0 Or Totocc(REC12_EDT) > 0
Or
         Totocc(REC13_EDT) > 0 Or Totocc(REC14_EDT) > 0 Or Totocc(REC16_EDT) > 0
Or
         Totocc(REC18_EDT) > 0 Or Totocc(REC20_EDT) > 0 Then
         write("(Identification.).'ENURSL<>1 ==> The whole
questionnaire=Blank'.");
      Endif;
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Endif;
{Sce-01}
If Q118_HOUSE_TYPE <= 3 Then
      If Totocc(REC4_EDT) > 0 Or Totocc(REC5_EDT) > 0 Then
            write("(Sec-01).'Q118=<3 ==> Section-2=Blank'.");
      Endif;
Endif;
{Sce-
02.....................................................................
.......}
{1}
do varying i = 1 until i > totocc(REC2_EDT)
      If (A04_SEX(i)= 2 And A06_AGE(i) In 18:60) And Q118_HOUSE_TYPE >= 4 Then
            do varying j = 1 until j > totocc(REC5_EDT)
                  If A01_LINE_NO(i) = LINE225(j) And (Q225_LIVING(j)=NotAppl Or
(Q2261_BATH(j)=NotAppl Or
                     Q2262_WASHING(j)=NotAppl Or Q2263_USE_TOI(j)=NotAppl Or
Q2264_COOKING(j)=NotAppl Or
                     Q2265_SLEEP(j)=NotAppl Or Q2266_OTHER(j)=NotAppl) Or
(Q2271_SPOUS(j)=NotAppl And
                     Q2272_OTHER(j)=NotAppl) Or ((Q2271_SPOUS(j)<>3 And
Q2272_OTHER(j)<>3) And
                     (Q2281_TEASE(j)=NotAppl Or Q2282_ABUSE(j)=NotAppl Or
Q2283_HARASS(j)=NotAppl Or
                     Q2284_QUARREL(j)=NotAppl Or Q2285_SEXUEL(j)=NotAppl Or
Q2286_OTHER(j)=NotAppl))) Then
                     write("(Sec-02.1).'Q118>=4 and at least one record(A4=2 and
18=<A6=<60) ==> Sec-2(Q225-Q228)<>Blank");
                     eFlag = 1;
                     Endif;
            enddo;
      Endif;
enddo;
{2}
Do varying j = 1 until j > totocc(REC5_EDT)
      If (Q225_LIVING(j)<>NotAppl And Q2261_BATH(j)<>NotAppl And
Q2262_WASHING(j)<>NotAppl And
         Q2263_USE_TOI(j)<>NotAppl And Q2264_COOKING(j)<>NotAppl And
Q2265_SLEEP(j)<>NotAppl And
         Q2266_OTHER(j)<>NotAppl And Q2271_SPOUS(j)<>NotAppl And
Q2272_OTHER(j)<>NotAppl And
         Q2281_TEASE(j)<>NotAppl And Q2282_ABUSE(j)<>NotAppl And
Q2283_HARASS(j)<>NotAppl And
         Q2284_QUARREL(j)<>NotAppl And Q2285_SEXUEL(j)<>NotAppl And
Q2286_OTHER(j)<>NotAppl) And
         Q118_HOUSE_TYPE >= 4 Then
         do varying i = 1 until i > totocc(REC2_EDT)
            If A01_LINE_NO(i) = LINE225(j) And (A04_SEX(i) <> 2 And Not
A06_AGE(i) In 18:60) Then
                  write("(Sec-02).'Sec.2(Q225:Q228)<>blank ==> Q118>=4 and at
least one record(A4=2 and 18=<A6=<60) in Sec.A");
                  eFlag = 1;
            Endif;
         enddo;
      Endif;
enddo;
{3. As same as 2 & 3 }
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do varying i = 1 until i > totocc(REC2_EDT)
      If (A04_SEX(i)= 2 And A06_AGE(i) In 18:60) And Q118_HOUSE_TYPE < 4 Then
            do varying j = 1 until j > totocc(REC5_EDT)
                  If A01_LINE_NO(i) = LINE225(j) And (Q225_LIVING(j)<>NotAppl Or
Q2261_BATH(j)<>NotAppl Or
                        Q2262_WASHING(j)<>NotAppl Or Q2263_USE_TOI(j)<>NotAppl Or
Q2264_COOKING(j)<>NotAppl Or
                        Q2265_SLEEP(j)<>NotAppl Or Q2266_OTHER(j)<>NotAppl Or
Q2271_SPOUS(j)<>NotAppl Or
                        Q2272_OTHER(j)<>NotAppl Or Q2281_TEASE(j)<>NotAppl Or
Q2282_ABUSE(j)<>NotAppl Or
                        Q2283_HARASS(j)<>NotAppl Or Q2284_QUARREL(j)<>NotAppl Or
Q2285_SEXUEL(j)<>NotAppl Or
                        Q2286_OTHER(j)<>NotAppl ) Then
                  write("(Sec-02).'A4=2 and 18=<A6=<60 ==> Se.2(Q225-
Q228)<>BlankQ118>3 If not Sec 2(Q225-Q228)=Blank");
                  eFlag = 1;
                  Endif;
            enddo;
      Endif;
enddo;

{4}
Do varying j = 1 until j > totocc(REC5_EDT)
      If RESUL225(j) In 2,3,8 And (Q225_LIVING(j)<>NotAppl Or
Q2261_BATH(j)<>NotAppl Or Q2262_WASHING(j)<>NotAppl Or
            Q2263_USE_TOI(j)<>NotAppl Or Q2264_COOKING(j)<>NotAppl Or
Q2265_SLEEP(j)<>NotAppl Or
            Q2266_OTHER(j)<>NotAppl Or Q2271_SPOUS(j)<>NotAppl Or
Q2272_OTHER(j)<>NotAppl Or
            Q2281_TEASE(j)<>NotAppl Or Q2282_ABUSE(j)<>NotAppl Or
Q2283_HARASS(j)<>NotAppl Or
            Q2284_QUARREL(j)<>NotAppl Or Q2285_SEXUEL(j)<>NotAppl Or
Q2286_OTHER(j)<>NotAppl) Then
            write("(Sec-02).'WRL=2,3,8 ==> Q225:228=blank'");
            eFlag = 1;
      endif;
enddo;
{5}
Do varying j = 1 until j > totocc(REC5_EDT)
      If (Q2271_SPOUS(j) = 3 Or Q2272_OTHER(j) = 3) And (Q2281_TEASE(j)<>NotAppl
Or Q2282_ABUSE(j)<>NotAppl
         Or Q2283_HARASS(j)<>NotAppl Or Q2284_QUARREL(j)<>NotAppl Or
Q2285_SEXUEL(j)<>NotAppl
         Or Q2286_OTHER(j)<>NotAppl) Then
            write("(Sec-02).'Q227=3 ==> go to next person or section'");
            eFlag = 1;
      endif;
enddo;
{Sce-
03.......................................................................
..}
{1}
do varying i = 1 until i > totocc(REC2_EDT)
      If A06_AGE(i) In 5:14 Then
            do varying j = 1 until j > totocc(REC6_EDT)
                  If A01_LINE_NO(i) = LINE301(j) And NAME301(j)=NotAppl Then
```

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                              write("(Sec-03).'5=<A6=<14 ==> ENO(sec 3)<>Blank");
                              eFlag = 1;
                      Endif;
               enddo;
       Endif;
enddo;
{2}
Ptot=0;Wtot=0;
Ptot = count(REC2_EDT where A06_AGE In 5:14);
Wtot = count(REC6_EDT where NAME301 > 0);
If Ptot <> Wtot Then
       write("(Sec-03).'No.of persons[5=<A6=<14]=No.of columns of ENO',
%02d,%02d",Ptot,Wtot);
       eFlag = 1;
else
       do varying i = 1 until i > totocc(REC2_EDT)
              If A06_AGE(i) In 5:14 Then
                j = 1;
                NumPeople = totocc (REC6_EDT);
                while j <= NumPeople do
                   if A01_LINE_NO(i) = LINE301(j) then
                     Tag_Rec6 = 0;
                     break;
                   else
                     j = j + 1;
                     Tag_Rec6 = 1;
                   endif;
                enddo;
{              do varying j = 1 until j > totocc(REC6_EDT)

                          If A01_LINE_NO(i) <> LINE301(j) Then
                                 write("(Sec-03).'No.of persons[5=<A6=<14]=No.of
columns of ENO and ELN=Relevant A1',%02d,%02d",A01_LINE_NO(i),LINE301(j));
                                 Break;
                                 eFlag = 1;
                          Endif;
                   enddo;}
                   If Tag_Rec6 = 1 Then
                          write("(Sec-03).'No.of persons[5=<A6=<14]=No.of columns
of ENO and ELN=Relevant A1'");
                          Break;
                          eFlag = 1;
                   endif;
              Endif;
       enddo;
endif;
{3..Chech date of birth....}
do varying i = 1 until i > totocc(REC6_EDT)
       If Q301_SCH_ATT(i) = 1 And Ltag2 = 0 Then
              do varying j = 1 until j > totocc(REC2_EDT)
                     If (LINE301(i) = A01_LINE_NO(j)) And Not A06_AGE(j) In 5:15
Then
                            write("(Sec-03).'Q301=1 ==> 5=<A6=<15', of Member
%02d",A01_LINE_NO(j));
                            Ltag2 = 1;
                     Endif;
              enddo;
```

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            Endif;
enddo;
{4..Chech date of birth....}
do varying i = 1 until i > totocc(REC6_EDT)
       If Q301_SCH_ATT(i) = 4 Then
              do varying j = 1 until j > totocc(REC2_EDT)
                     If (LINE301(i) = A01_LINE_NO(j)) And A06_AGE(j) > 5 Then
                            write("(Sec-03).'Q301=4 ==> A6<=5");
                            eFlag = 1;
                     Endif;
              enddo;
       Endif;
enddo;
{5}
Do varying j = 1 until j > totocc(REC6_EDT)
       If Q301_SCH_ATT(j) = 4 And (Q302_GRADE(j)<>NotAppl Or
Q303_LAST_GRD(j)<>NotAppl
          Or Q304_FIRST_YEAR(j)<>NotAppl Or Q305_STUDY(j)<>NotAppl Or
Q306_STOP(j)<>NotAppl
          Or Q307_REASON(j)<>NotAppl) Then
              write("(Sec-03).'Q301=4 ==> go to next person or section 4'");
              eFlag = 1;
       endif;
enddo;
{6}
Do varying j = 1 until j > totocc(REC6_EDT)
       If Q305_STUDY(j) = 98 And (Q306_STOP(j)<>NotAppl Or
Q307_REASON(j)<>NotAppl) Then
              write("(Sec-03).'Q305=98 ==> go to next person or section 4'");
              eFlag = 1;
       endif;
enddo;
{Sce-
04......................................................................
..}
{1}
Do varying j = 1 until j > totocc(REC7_EDT)
       If RESUL401(j) In 3,4 Then
              If (Q401_ATT_SCH(j)<>NotAppl Or Q402_GRADE(j)<>NotAppl Or
Q403_LAST_GRD(j)<>NotAppl Or
                  Q404_OTHER(j)<>NotAppl Or Q405_COMPLET(j)<>NotAppl Or
Q406_LANGUAGE(j)<>NotAppl) Then
                     write("(Sec-04).'LRL=3 or 4 ==> Section 4 Blank for relevant
LNO' one of Q401-Q406 Not Blank");
                     eFlag = 1;
                     Exit
              ENDIF;
              Do varying i = 1 until i > totocc(REC8_EDT)
                     If LINE401(j) = LINE407(i) And (Q407_WRITE(i)<>NotAppl Or
Q4081_SINHALA(i)<>NotAppl Or Q4082_TAMIL(i)<>NotAppl Or
                         Q4083_ENGLISH(i)<>NotAppl Or Q4084_OTHER(i)<>NotAppl Or
Q4091_SINHALA(i)<>NotAppl Or Q4092_TAMIL(i)<>NotAppl Or
                         Q4093_ENGLISH(i)<>NotAppl Or Q4094_OTHER(i)<>NotAppl Or
Q4101_SINHALA(i)<>NotAppl Or Q4102_TAMIL(i)<>NotAppl Or
                         Q4103_ENGLISH(i)<>NotAppl Or Q4104_OTHER(i)<>NotAppl)
Then
```

```
                             write("(Sec-04).'LRL=3 or 4 ==> Section 4 Blank for
relevant LNO'one of Q407-Q410 Not Blank");
                             eFlag = 1;
                             Exit
                      endif;
              enddo;
              Do varying i = 1 until i > totocc(REC9_EDT)
                      If LINE401(j) = LINE411(i) And (Q4111_SINHALA(i)<>NotAppl Or
Q4112_TAMIL(i)<>NotAppl Or
                             Q4113_ENGLISH(i)<>NotAppl Or Q4114_OTHER(i)<>NotAppl Or
Q4121_SIGN(i)<>NotAppl Or Q4122_POSTERS(i)<>NotAppl Or
                             Q4123_LETTERS(i)<>NotAppl Or Q4124_PAPERS(i)<>NotAppl Or
Q4125_NOVELS(i)<>NotAppl Or Q4126_BOOKS(i)<>NotAppl Or
                             Q4127_BILLS(i)<>NotAppl Or Q4128_CHARTS(i)<>NotAppl Or
Q4129_OTHER(i)<>NotAppl) Then
                             write("(Sec-04).'LRL=3 or 4 ==> Section 4 Blank for
relevant LNO'one of Q411-Q412 Not Blank");
                             eFlag = 1;
                             Exit
                      endif;
              enddo;
              Do varying i = 1 until i > totocc(REC10_EDT)
                      If LINE401(j) = LINE413(i) And (Q413_LIBRARY(i)<>NotAppl Or
Q4132_STALLS(i)<>NotAppl Or Q4133_FRIENDS(i)<>NotAppl Or
                             Q4134_COM_CENTER(i)<>NotAppl Or Q4135_OTHER(i)<>NotAppl
Or Q4141_MESSAGES(i)<>NotAppl Or Q4142_OFFICIAL(i)<>NotAppl Or
                             Q4143_FORMS(i)<>NotAppl Or Q4144_REPORTS(i)<>NotAppl Or
Q4146_CHARTS(i)<>NotAppl Or Q4147_OTHER(i)<>NotAppl) Then
                             write("(Sec-04).'LRL=3 or 4 ==> Section 4 Blank for
relevant LNO'one of Q413-Q414 Not Blank");
                             eFlag = 1;
                             Exit
                      endif;
              enddo;
      endif;
enddo;

{Sce-
05.....................................................................................
..}
{1}
Do varying j = 1 until j > totocc(REC11_EDT)
      If RESULT501(j) In 3,4 Then
              If (Q5011_EMPLOY(j)<>NotAppl Or Q5012_EDU(j)<>NotAppl Or
Q502_DURATION(j)<>NotAppl Or
                 Q503_QUALIFY(j)<>NotAppl Or Q504_TEST(j)<>NotAppl Or
Q505_CERTFICATE(j)<>NotAppl) Then
                 write("(Sec-05).'TRL=3 or 4 ==> Section 5 Blank for relevant
TNO' one of Q501-Q505 Not Blank");
                 eFlag = 1;
              ENDIF;
      endif;
enddo;
{2.1}
Do varying j = 1 until j > totocc(REC11_EDT)
      If Q5011_EMPLOY(j) In 1,4,5,6 Then
```

```
            If (Q5012_EDU(j)<>NotAppl Or Q502_DURATION(j)<>NotAppl Or
Q503_QUALIFY(j)<>NotAppl Or
                  Q504_TEST(j)<>NotAppl Or Q505_CERTFICATE(j)<>NotAppl) Then
                    write("(Sec-05).'Q501=1,4,5,6 ==> Go to next person or Section
6 ' one of Q502-Q505 Not Blank");
                    eFlag = 1;
              ENDIF;
        endif;
enddo;
{2.2}
Do varying j = 1 until j > totocc(REC11_EDT)
      If Q504_TEST(j) = 2 And Q505_CERTFICATE(j)<>NotAppl Then
            write("(Sec-05).'Q504=2 ==> Go to next person or Section 6 ' Q505
Not Blank");
            eFlag = 1;
      endif;
enddo;

{Sce-
06.....................................................................................
..}
{1}
Do varying j = 1 until j > totocc(REC12_EDT)
      If RESULT601(j) In 2,3 Then
            If (Q601_KNOWN(j)<>NotAppl Or Q602_VENDOR(j)<>NotAppl Or
Q603_FAMILY(j)<>NotAppl Or
                  Q604_TEACHER(j)<>NotAppl) Then
                    write("(Sec-06).'ADRL=2 or 3 ==> Section 6 Blank for relevant
ADNO' one of Q601-Q604 Not Blank");
                    eFlag = 1;
              ENDIF;
        endif;
enddo;
{2}
Do varying j = 1 until j > totocc(REC12_EDT)
      If Q601_KNOWN(j) = 2 And (Q602_VENDOR(j)<>NotAppl Or
Q603_FAMILY(j)<>NotAppl
          Or Q604_TEACHER(j)<>NotAppl) Then
            write("(Sec-06).'Q601=2 ==> go to next person or section 7'one of
Q602-Q604 Not Blank");
            eFlag = 1;
      endif;
enddo;
{Sce-
07.....................................................................................
..}
{1}
If Q714_HEARD In 2,3 Then
      If (Q715_INFECT2005<>NotAppl Or Q7161_INFECTED<>NotAppl Or
Q7162_DEAD<>NotAppl)Then
            write("(Sec-07).'Q714=2,3 ==> go to Section 8'");
            eFlag = 1;
      endif;
      Ptot=0;
      Ptot = count(REC18_EDT);
      If Ptot > 0 Then
            write("(Sec-07).'Q714=2,3 ==> go to Section 8'");
```

```
                    eFlag =1;
            endif;
    endif;
{2}
If Q715_INFECT2005 = 2 Then
        If (Q7161_INFECTED<>NotAppl Or Q7162_DEAD<>NotAppl)Then
                write("(Sec-07).'Q715=2 ==> go to Section 8'");
                eFlag = 1;
        endif;
        Ptot=0;
        Ptot = count(REC18_EDT);
        If Ptot > 0 Then
                write("(Sec-07).'Q715=2 ==> go to Section 8'");
                eFlag =1;
        endif;
endif;
{3}
Do varying j = 1 until j > totocc(REC18_EDT)
        If Q718_TREAT(j) = 2 And (Q7191_INSTUT1(j)<>NotAppl Or
Q7192_INSTUT2(j)<>NotAppl
            Or Q7193_PHI(j)<>NotAppl) Then
                write("(Sec-07).'Q718=2 ==> go to next person or section 8'");
                eFlag = 1;
        endif;
enddo;
{4}
Ptot=0;
Ptot = count(REC16_EDT Where NET_NUMBER > 0);
If Q7051_METHOD1=1 Or Q7052_METHOD2=1 Or Q7053_METHOD3=1 Or Q7054_METHOD4=1 Or
Q7055_METHOD5=1 Then
If Q706_NUMBER <> Ptot Then
        write("(Sec-07).'No.of nets(Q706) = No.of columns
MNO',%02d,%02d",Q706_NUMBER,Ptot);
        eFlag =1;
endif;
Endif;
{{//--Imputation in another program
{Imputation.....................................................................
...........}
{1}
Ptot=0;
Ptot = count(REC2_EDT Where A01_LINE_NO > 0);
If Q118_HOUSE_TYPE In 4:7 And Q201_RESIDENTS <> Ptot Then
        Impute(Q201_RESIDENTS,Ptot);
        write("(Impute).'No.of persons(%02d) in A1 assigned to Q201'",Ptot);
Endif;
{2}
Do varying i = 1 until i > totocc(REC2_EDT)
        If A06_AGE(i) In 15:24 And A010_EDUCATION(i) = 1 Then
                Do varying j = 1 until j > totocc(REC7_EDT)
                        If A01_LINE_NO(i) = LINE401(j) And Q401_ATT_SCH(j) <> 3 Then
                                Impute(Q401_ATT_SCH(j),3);
                                write("(Sec-06).'15=<A6<=24 and A10=1 and Q401<> ==>
assign Q401=3'");
                        endif
                enddo;
        endif;
```

```
enddo;
{3}
Do varying i = 1 until i > totocc(REC2_EDT)
      If A06_AGE(i) In 5:14 And A010_EDUCATION(i) = 1 Then
             Do varying j = 1 until j > totocc(REC6_EDT)
                    If A01_LINE_NO(i) = LINE301(j) And Q301_SCH_ATT(j) <> 3 Then
                          Impute(Q301_SCH_ATT(j),3);
                          write("(Sec-06).'5=<A6<=14 and A10=1 and Q301<> ==>
assign Q301=3'");
                    endif
             enddo;
      endif;
enddo;
}}
PROC IDS0_EDT
{-------------------------Consistency Checks - Identification------------------
---------}
If (HOUSHOLDS <> NotAppl And HH_NO = NotAppl) Then
      write("'HHNO<>blank ==> HH<>blank', %02d, %02d.",HOUSHOLDS,HH_NO);
      eFlag = 1;
Endif;
If (HH_NO <> NotAppl And HOUSHOLDS = NotAppl ) Then
      write("'HH<>blank ==> HHNO<>blank', %02d, %02d.",HOUSHOLDS,HH_NO);
      eFlag = 1;
Endif;
If (HOUSHOLDS = 1 And HH_NO <> 1) Then
      write("'HHNO=1 ==> HH=1',%02d, %02d.",HOUSHOLDS,HH_NO);
      eFlag = 1;
Endif;
If (HOUSHOLDS = 0 And HH_NO <> 0 ) Then
      write("'HHNO=0 ==> HH=0', %02d, %02d.",HOUSHOLDS,HH_NO);
      eFlag = 1;
Endif;
PROC SERIAL_NO
If $ = NotAppl Or $ = 0 Then
{     write( 0015 ,SERIAL_NO);     }
      write( 0015 ,SERIAL_NO);
      eFlag = 1;
Endif;
PROC QEST
If $ = NotAppl Or $ = 0 Then
{     write(0016, QEST);}
      write(0016, QEST);
      eFlag = 1;
Endif;
PROC CLUSTER
If $ > 2500 Or $ = NotAppl Or $ = 0 Then
{     write( 0017 ,SERIAL_NO);     }
      write( 0017 ,SERIAL_NO);
      eFlag = 1;
Endif;
PROC CNSSU
If Not $ In 1:10 Then
{     write(0018, CNSSU);}
      write(0018, CNSSU);
      eFlag = 1;
Endif;
```

```
PROC DISTRICT
If Not $ In 11:13,21:23,31:33,51:52,61:62,71:72,81:82,91:92 Then
{      write(0019, DISTRICT);}
       write(0019, DISTRICT);
       eFlag = 1;
Endif;
PROC SECTOR
If Not $ In 1:3 Then
{      write(0020, SECTOR);}
       write(0021, SECTOR);
       eFlag = 1;
Endif;
PROC WARD
If Not $ In 0:999 Then
       write(0023, WARD);
       eFlag = 1;
Endif;
PROC PSU
If Not $ In 0:999 Then
       write(0024, PSU);
       eFlag = 1;
Endif;
PROC SSU
If Not $ In 1:10 Then
{      write(0018, SSU);}
       write(0018, SSU);
       eFlag = 1;
Endif;
PROC LISTING
If Not $ In 1:3 Then
{      write(0026, LISTING);}
       write(0026, LISTING);
       eFlag = 1;
Endif;
PROC TSUNAMI
If Not $ In 1:2 Then
{      write(0027, TSUNAMI);}
       write(0027, TSUNAMI);
       eFlag = 1;
Endif;
PROC HOUSHOLDS
If Not $ In 0:9,NotAppl Then
{      write(0028, HOUSHOLDS);}
       write(0028, HOUSHOLDS);
       eFlag = 1;
Endif;
PROC HH_NO
If Not $ In 0:9,NotAppl Then
{      write(0029, HH_NO);}
       write(0029, HH_NO);
       eFlag = 1;
Endif;
PROC TEST1_EDT
{-------------------------Consistency Checks - Test1(TEST1_EDT)----------------
----------}
If (MONTH1 In 10:12 And YEAR1 <> 6) Then
       write("'ENUM=10 ==> ENUY=06', %02d,%02d.",MONTH1,YEAR1);
```

```
            eFlag = 1;
Endif;
If  (MONTH1 In 1:5 And YEAR1 <> 7) Then
        write("'ENUM=01:05 ==> ENUY=07', %02d,%02d.",MONTH1,YEAR1);
        eFlag = 1;
Endif;
If RESULT_CODE = 1 And (HH_NO = NotAppl Or HOUSHOLDS = NotAppl Or TSUNAMI =
NotAppl) Then
        write("'ENURSL=1 ==> HHNO,HH,THU <> blank', %d, %02d, %02d,
%02d.",RESULT_CODE,HH_NO,HOUSHOLDS,TSUNAMI);
        eFlag = 1;
Endif;
If RESULT_CODE >= 6 And (HH_NO <> 0 Or HOUSHOLDS <> 0) Then
        write("ENURSL>=6 ==> HHNO,HH=0', %d, %2d,
%2d.",RESULT_CODE,HOUSHOLDS,HH_NO);
        eFlag = 1;
Endif;
PROC DATE1
If Not $ In 1:31,99 Then
{     write(0030, DATE1);}
        write(0030, DATE1);
        eFlag = 1;
Endif;
PROC MONTH1
If Not $ In 1:12,99 Then
{     write(0031, MONTH1);}
        write(0031, MONTH1);
        eFlag = 1;
Endif;
PROC YEAR1
If Not $ In 06:07 Then
{     write(0032, YEAR1);}
        write(0032, YEAR1);
        eFlag = 1;
Endif;
PROC RESULT_CODE
If Not $ In 1:9 Then
{     write(0033, RESULT_CODE);}
        write(0033, RESULT_CODE);
        eFlag = 1;
Endif;
PROC REC2_EDT
{---------------------------------Section-A (REC2_EDT)----------------------
------}
{Stot = count(REC2_EDT where TQ15 = 1); }
Ptot = count(REC2_EDT where A01_LINE_NO > 0);

do varying i = 1 until i > totocc(REC2_EDT)
        {If A01_LINE_NO(i) <> i Then
              write("(A.01).Line Nos are not in order,Check Line Nos...:
%02d.",A01_LINE_NO(i));
              eFlag = 1;
        Endif;}
        If NOT A01_LINE_NO(i) In 1:40 Then
              write("(A.01).Invalid Line No. : %02d.",A01_LINE_NO(i));
              eFlag = 1;
        Endif;
```

```
enddo;

do varying i = 1 until i > totocc(REC2_EDT)
      If Not A03_RELATIONSHIP(i) In 1:13,99 Then
            write("(A.03).Invalid Relationship %02d of %02d
member.",A03_RELATIONSHIP(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A04_SEX(i) In 1:2 Then
            write("(A.04).Invalid Sex code %02d of %02d
member.",A04_SEX(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A051_BIRTH_DATE(i) In 1:31,99 Then
            write("(A.051).Invalid day of date of birth %02d of %02d
member.",A051_BIRTH_DATE(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A052_A05_BMONTH(i) In 1:12,99 Then
            write("(A.052).Invalid month of date of birth %02d of %02d
member.",A052_A05_BMONTH(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A053_BYEAR(i) In 0:99 Then
            write("(A.053).Invalid year of date of birth %02d of %02d
member.",A053_BYEAR(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A06_AGE(i) In 0:96,98,99 Then
            write("(A.06).Invalid age %02d of %02d
member.",A06_AGE(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A07_ETHNIC_GROUP(i) In 1:7,9 Then
            write("(A.07).Invalid Ethnic group %2d of %02d
member.",A07_ETHNIC_GROUP(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A08_RELIGION(i) In 1:7,9 Then
            write("(A.08).Invalid Religion %2d of %02d
member.",A08_RELIGION(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A09_MARITAL_STAT(i) In 1:5,9,NotAppl Then
            write("(A.09).Invalid Marital status %2d of %02d
member.",A09_MARITAL_STAT(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A010_EDUCATION(i) In 1:6,9,NotAppl Then
            write("(A.10).Invalid Educational attainment %2d of %02d
member.",A010_EDUCATION(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
      If Not A011_MOBIL_PHONE(i) In 0:8,9,NotAppl Then
            write("(A.11).Invalid no.of mobile phones %2d of %02d
member.",A011_MOBIL_PHONE(i),A01_LINE_NO(i));
            eFlag = 1;
```

```
        Endif;
        If Not A012_BOARDING(i) In 1:8,9,NotAppl Then
                write("(A.12).Invalid name of boarded Inst. %2d of %02d
member.",A012_BOARDING(i),A01_LINE_NO(i));
                eFlag = 1;
        Endif;
enddo;
{---------------------------------Consistency Checks in Section-A (REC2_EDT)-
---------}
Ptot=0;
Ptot = count(REC2_EDT where A03_RELATIONSHIP = 1);
If Ptot > 1 Then
        write("'(Sec-A) A3 Can contains value '01' once' : %02d",Ptot);
        eFlag = 1;
Endif;
Ptot=0;
Ptot = count(REC2_EDT where A03_RELATIONSHIP = 2);
If Ptot > 1 Then
        write("'(Sec-A) A3 Can contain value '02' once' : %02d",Ptot);
        eFlag = 1;
Endif;

do varying i = 1 until i > totocc(REC2_EDT)
{3}
        If A03_RELATIONSHIP(i) = 2 And A09_MARITAL_STAT(i) <> 2 Then
                write("(Sec-A).'A3=02 ==> A9=2', %02d, %2d, of %02d
member.",A03_RELATIONSHIP(i),A09_MARITAL_STAT(i),A01_LINE_NO(i));
                eFlag = 1;
        Endif;
{4.1}
    If (A06_AGE(i) >= 5 And A010_EDUCATION(i) = NotAppl) Then
                write("(Sec-A).'A6>=5 ==> A10<>blank', %02d,%2d, of %02d
member.",A06_AGE(i),A010_EDUCATION(i),A01_LINE_NO(i));
                eFlag = 1;
        Endif;
{4.2}
        If (A06_AGE(i) <= 4 And A010_EDUCATION(i) <> NotAppl) Then
                write("(Sec-A).'A6<=4 ==> A10=blank', %02d,%2d, of %02d
member.",A06_AGE(i),A010_EDUCATION(i),A01_LINE_NO(i));
                eFlag = 1;
        Endif;
{5}
        If (A010_EDUCATION(i) >= 2 And A06_AGE(i) <= 4 ) Then
                write("(Sec-A).'A10>=2 ==> A6>=5', %02d,%02d, of %02d
member.",A010_EDUCATION(i),A06_AGE(i),A01_LINE_NO(i));
                eFlag = 1;
        Endif;
{6}
        If A06_AGE(i) In 5:9 And ( A010_EDUCATION(i) = NotAppl Or
A010_EDUCATION(i) > 2) Then
                write("(Sec-A).'A6=5,6,7,8,9 ==> A10<>blank and A10<=2',%02d,%2d, of
%02d member.",A06_AGE(i),A010_EDUCATION(i)
                ,A01_LINE_NO(i));
                eFlag = 1;
        Endif;
{7}
```

```
      If A06_AGE(i) In 11:15 And ( A010_EDUCATION(i) = NotAppl Or
A010_EDUCATION(i) > 3) Then
            write("(Sec-A).'A6=11,12,13,14,15 ==> A10<>blank and
A10<=3',%02d,%2d, of %02d member.",A01_LINE_NO(i)
            ,A06_AGE(i),A010_EDUCATION(i));
            eFlag = 1;
      Endif;
{8.1}
      If A06_AGE(i) >= 10 And A09_MARITAL_STAT(i) = NotAppl Then
            write("(Sec-A).'A6>=10 ==> A09<>blank',%02d,%02d, of %02d
member.",A06_AGE(i),A09_MARITAL_STAT(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
{8.2}
      If A06_AGE(i) < 10 And A09_MARITAL_STAT(i) <> NotAppl Then
            write("(Sec-A).'A6<10 ==> A09=blank',%02d,%02d, of %02d
member.",A06_AGE(i),A09_MARITAL_STAT(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
{9}
      If (A051_BIRTH_DATE(i) <> NotAppl And A052_A05_BMONTH(i) <> NotAppl And
A053_BYEAR(i) <> NotAppl) And A06_AGE(i) = NotAppl Then
            write("(Sec-A).'A5D,A5M,A5Y filled ==> A6<>blank',
%02d,%02d,%02d,%02d, of %02d member."

      ,A051_BIRTH_DATE(i),A052_A05_BMONTH(i),A053_BYEAR(i),A06_AGE(i),A01_LINE_N
O(i));
            eFlag = 1;
      Endif;
{10}
      If (A053_BYEAR(i) <> NotAppl And A06_AGE(i) = NotAppl) Then
            write("(Sec-A).'A5Y<>blank ==> A6<>blank',%02d,%02d, of %02d
member.",A053_BYEAR(i),A06_AGE(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
{11}
      If ( A06_AGE(i) <> NotAppl And A053_BYEAR(i) = NotAppl ) Then
            write("(Sec-A).'A6<>blank ==> A5Y<>blank',%02d,%02d, of %02d
member.",A06_AGE(i),A053_BYEAR(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
{12.1}
      If ( A06_AGE(i) >= 10 And A011_MOBIL_PHONE(i) = NotAppl ) Then
            write("(Sec-A).'A6>=10 ==> A11<>blank',%02d,%02d, of %02d
member.",A06_AGE(i),A011_MOBIL_PHONE(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
{12.2}
      If ( A06_AGE(i) < 10 And A011_MOBIL_PHONE(i) <> NotAppl ) Then
            write("(Sec-A).'A6<10 ==> A11=blank',%02d,%02d, of %02d
member.",A06_AGE(i),A011_MOBIL_PHONE(i),A01_LINE_NO(i));
            eFlag = 1;
      Endif;
{13.1}
      If ( A01_LINE_NO(i) <= 30 And A012_BOARDING(i) <> NotAppl ) Then
            write("(Sec-A).'A1<= 30 ==> A12=blank',%02d,%02d, of %02d
member.",A01_LINE_NO(i),A012_BOARDING(i),A01_LINE_NO(i));
```

```
                eFlag = 1;
        Endif;
{13.2}
        If ( A01_LINE_NO(i) >= 31 And A012_BOARDING(i) = NotAppl ) Then
                write("(Sec-A).'A1>= 31 ==> A12<>blank',%02d,%02d, of %02d
member.",A01_LINE_NO(i),A012_BOARDING(i),A01_LINE_NO(i));
                eFlag = 1;
        Endif;
{14}
        If ( A01_LINE_NO(i) >= 31 And (A06_AGE(i) < 5 Or A06_AGE(i) > 24)) Then
                write("(Sec-A).'A1>=31 ==> 05=<A6<=24', %02d,%02d, of %02d
member.",A01_LINE_NO(i),A06_AGE(i),A01_LINE_NO(i));
                eFlag = 1;
        Endif;
enddo;
PROC REC3_EDT
{-----------------------Consistency Checks in Section-I (REC3_EDT)-------------
--------}
If (Q101_DRINK_WATER In 7:8 And Q102_LOCATION <> NotAppl) Then
        write("(Sec-01).'Q101=7 or 8 ==> Q102=blank',
%02d,%02d.",Q101_DRINK_WATER,Q102_LOCATION);
        eFlag = 1;
Endif;
If (Not Q101_DRINK_WATER In 7:8 And Q102_LOCATION = NotAppl) Then
        write("(Sec-01).'Q101<>7 or 8 ==> Q102<>blank',
%02d,%02d.",Q101_DRINK_WATER,Q102_LOCATION);
        eFlag = 1;
Endif;
If Q102_LOCATION = 1 And (Q103_DISTANCE <> NotAppl Or Q104_MANY_TIMES <> NotAppl
Or Q105_TRANSPORT <> NotAppl) Then
        write("(Sec-01).'Q102=1 ==> Q103,Q104,Q105=blank', %02d,%02d,%02d,%02d"
        ,Q102_LOCATION,Q103_DISTANCE,Q104_MANY_TIMES,Q105_TRANSPORT);
        eFlag = 1;
Endif;
If Q102_LOCATION = 2 And (Q103_DISTANCE = NotAppl Or Q104_MANY_TIMES = NotAppl
Or Q105_TRANSPORT = NotAppl) Then
        write("(Sec-01).'Q102=2 ==> Q103,Q104,Q105<>blank', %02d,%02d,%02d,%02d"
        ,Q102_LOCATION,Q103_DISTANCE,Q104_MANY_TIMES,Q105_TRANSPORT);
        eFlag = 1;
Endif;
If (Q106_PURIFY In 2:3 And Q107_METHOD_PUR <> NotAppl) Then
        write("(Sec-01).'Q106=2 or 3 ==> Q107=blank',
%02d,%02d.",Q106_PURIFY,Q107_METHOD_PUR);
        eFlag = 1;
Endif;
If (Q106_PURIFY = 1 And Q107_METHOD_PUR = NotAppl) Then
        write("(Sec-01).'Q106=1 ==> Q107<>blank',
%02d,%02d.",Q106_PURIFY,Q107_METHOD_PUR);
        eFlag = 1;
Endif;
If Q108_LATRINE = 6 And (Q109_LAT_LOCATED <> NotAppl Or Q110_SHAR_LAT <>
NotAppl) Then
        write("(Sec-01).'Q108=6 ==> Q109,Q110=blank',
%02d,%02d,%02d",Q108_LATRINE,Q109_LAT_LOCATED,Q110_SHAR_LAT);
        eFlag = 1;
Endif;
```

```
If Q108_LATRINE < 6 And (Q109_LAT_LOCATED = NotAppl Or Q110_SHAR_LAT = NotAppl)
Then
      write("(Sec-01).'Q108<6 ==> Q109,Q110<>blank',
%02d,%02d,%02d",Q108_LATRINE,Q109_LAT_LOCATED,Q110_SHAR_LAT);
      eFlag = 1;
Endif;
If (Q1116_LAND_PHONE = 1 And Q1118_PHONE_NO = NotAppl) Then
      write("(Sec-01).'Q1116=1 ==> Q111NO<>blank',
%02d,%02d.",Q1116_LAND_PHONE,Q1118_PHONE_NO);
      eFlag = 1;
Endif;
If (Q1116_LAND_PHONE = 2 And Q1118_PHONE_NO <> NotAppl) Then
      write("(Sec-01).'Q1116=2 ==> Q111NO=blank',
%02d,%02d.",Q1116_LAND_PHONE,Q1118_PHONE_NO);
      eFlag = 1;
Endif;

PROC Q101_DRINK_WATER
If Not $ In 1:9,0 Then
{     write(0031, MONTH1);}
      write(0101, 'Q101',Q101_DRINK_WATER);
      eFlag = 1;
Endif;
PROC Q102_LOCATION
If Not $ In 1:2,9,NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q102',Q102_LOCATION);
      eFlag = 1;
Endif;
PROC Q103_DISTANCE
If Not $ In 0:9999,NotAppl Then
{     write(0031, MONTH1);}
      write(0103,Q103_DISTANCE);
      eFlag = 1;
Endif;
PROC Q104_MANY_TIMES
If Not $ In 0:9,NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q104',Q104_MANY_TIMES);
      eFlag = 1;
Endif;
PROC Q105_TRANSPORT
If Not $ In 1:7,9, NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q105',Q105_TRANSPORT);
      eFlag = 1;
Endif;
PROC Q106_PURIFY
If Not $ In 1:3,9 Then
{     write(0031, MONTH1);}
      write(0101, 'Q106',Q106_PURIFY);
      eFlag = 1;
Endif;
PROC Q107_METHOD_PUR
If Not $ In 1:6,9,NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q107',Q107_METHOD_PUR);
```

```
        eFlag = 1;
Endif;
PROC Q108_LATRINE
If Not $ In 1:6,9 Then
{       write(0031, MONTH1);}
        write(0101, 'Q108',Q108_LATRINE);
        eFlag = 1;
Endif;
PROC Q109_LAT_LOCATED
If Not $ In 1:2,9,NotAppl Then
        write(0101, 'Q109',Q109_LAT_LOCATED);
        eFlag = 1;
Endif;
PROC Q110_SHAR_LAT
If Not $ In 1:3,9,NotAppl Then
{       write(0031, MONTH1);}
        write(0101, 'Q110',Q110_SHAR_LAT);
        eFlag = 1;
Endif;
PROC Q1111_ELETRICITY
If Not $ In 1:2,9 Then
{       write(0031, MONTH1);}
        write(0101, 'Q1111',Q1111_ELETRICITY);
        eFlag = 1;
Endif;
PROC Q1112_TV
If Not $ In 1:2,9 Then
{       write(0031, MONTH1);}
        write(0101, 'Q1112',Q1112_TV);
        eFlag = 1;
Endif;
PROC Q1113_RADIO
If Not $ In 1:2,9 Then
{       write(0031, MONTH1);}
        write(0101, 'Q1113',Q1113_RADIO);
        eFlag = 1;
Endif;
PROC Q1114_FRIGE
If Not $ In 1:2,9 Then
{       write(0031, MONTH1);}
        write(0101, 'Q1114',Q1114_FRIGE);
        eFlag = 1;
Endif;
PROC Q1115_COMPUTER
If Not $ In 1:2,9 Then
{       write(0031, MONTH1);}
        write(0101, 'Q1115',Q1115_COMPUTER);
        eFlag = 1;
Endif;
PROC Q1116_LAND_PHONE
If Not $ In 1:2,9 Then
{       write(0031, MONTH1);}
        write(0101, 'Q1116',Q1116_LAND_PHONE);
        eFlag = 1;
Endif;
PROC Q1117_MOBILE
If Not $ In 1:2,9 Then
```

```
        write(0101, 'Q1117',Q1117_MOBILE);
        eFlag = 1;
Endif;
PROC Q1118_PHONE_NO
If Not $ In 1:9,NotAppl Then
{      write(0031, MONTH1);}
        write(0101, 'Q1118',Q1118_PHONE_NO);
        eFlag = 1;
Endif;
PROC Q1121_BICYCLE
If Not $ In 1:2,9 Then
{      write(0031, MONTH1);}
        write(0101, 'Q1121',Q1121_BICYCLE);
        eFlag = 1;
Endif;
PROC Q1122_MOTOR_CYCL
If Not $ In 1:2,9 Then
{      write(0031, MONTH1);}
        write(0101, 'Q1122',Q1122_MOTOR_CYCL);
        eFlag = 1;
Endif;
PROC Q1123_3WHEELER
If Not $ In 1:2,9 Then
{      write(0031, MONTH1);}
        write(0101, 'Q1123',Q1123_3WHEELER);
        eFlag = 1;
Endif;
PROC Q1124_CAR
If Not $ In 1:2,9 Then
{      write(0031, MONTH1);}
        write(0101, 'Q1124',Q1124_CAR);
        eFlag = 1;
Endif;
PROC Q1125_VAN
If Not $ In 1:2,9 Then
{      write(0031, MONTH1);}
        write(0101, 'Q1125',Q1125_VAN);
        eFlag = 1;
Endif;
PROC Q1126_TRACTOR
If Not $ In 1:2,9 Then
{      write(0031, MONTH1);}
        write(0101, 'Q1126',Q1126_TRACTOR);
        eFlag = 1;
Endif;
PROC Q1127_BUS
If Not $ In 1:2,9 Then
{      write(0031, MONTH1);}
        write(0101, 'Q1127',Q1127_BUS);
        eFlag = 1;
Endif;
PROC Q1128_OTHER
If Not $ In 1:2,9 Then
{      write(0031, MONTH1);}
        write(0101, 'Q1128',Q1128_OTHER);
        eFlag = 1;
Endif;
```

```
PROC Q113_COOK_FUEL
If Not $ In 1:6,9 Then
{     write(0031, MONTH1);}
      write(0101, 'Q113',Q113_COOK_FUEL);
      eFlag = 1;
Endif;
PROC Q114_ROOFING
If Not $ In 1:6,9 Then
{     write(0031, MONTH1);}
      write(0101, 'Q114',Q114_ROOFING);
      eFlag = 1;
Endif;
PROC Q115_WALLS
If Not $ In 1:5,9 Then
{     write(0031, MONTH1);}
      write(0101, 'Q115',Q115_WALLS);
      eFlag = 1;
Endif;
PROC Q116_FLOOR
If Not $ In 1:5,9 Then
{     write(0031, MONTH1);}
      write(0101, 'Q116',Q116_FLOOR);
      eFlag = 1;
Endif;
PROC Q1171_HAZARDS
If Not $ In 1:14,NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q1171',Q1171_HAZARDS);
      eFlag = 1;
Endif;
PROC Q1172_H2
If Not $ In 1:14,NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q1172',Q1172_H2);
      eFlag = 1;
Endif;
If $ <> NotAppl And (Q1171_HAZARDS = $ ) Then
      write("(Q1172 Value is duplicate with Q1171 : %02d,%02d",
$,Q1171_HAZARDS);
      eFlag = 1;
Endif;
PROC Q1173_H3
If Not $ In 1:14,NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q1173',Q1173_H3);
      eFlag = 1;
Endif;
If $ <> NotAppl And (Q1171_HAZARDS = $ Or Q1172_H2 = $) Then
      write("(Q1173 Value is duplicate with Q1171 Or Q1172  : %02d,%02d,%02d",
$,Q1171_HAZARDS,Q1172_H2);
      eFlag = 1;
Endif;
PROC Q1174_H4
If Not $ In 1:14,NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q1174',Q1174_H4);
      eFlag = 1;
```

```
Endif;
If $ <> NotAppl And (Q1171_HAZARDS = $ Or Q1172_H2 = $ Or Q1173_H3 = $) Then
      write("(Q1174 Value is duplicate with Q1171,Q1172 or Q1173  :
%02d,%02d,%02d,%02d", $,Q1171_HAZARDS,Q1172_H2,Q1173_H3);
      eFlag = 1;
Endif;
PROC Q1175_H5
If Not $ In 1:14,NotAppl Then
{     write(0031, MONTH1);}
      write(0101, 'Q1175',Q1175_H5);
      eFlag = 1;
Endif;
If $ <> NotAppl And (Q1171_HAZARDS = $ Or Q1172_H2 = $ Or Q1173_H3 = $ Or
Q1174_H4 = $) Then
      write("(Q1175 Value is duplicate with Q1171,Q1172,Q1173 or Q1174  :
%02d,%02d,%02d,%02d,%02d", $,Q1171_HAZARDS,Q1172_H2,Q1173_H3,Q1174_H4);
      eFlag = 1;
Endif;
PROC Q118_HOUSE_TYPE
If Not $ In 1:7,9 Then
{     write(0031, MONTH1);}
      write(0101, 'Q118',Q118_HOUSE_TYPE);
      eFlag = 1;
Endif;
PROC REC4_EDT
{-----------------------Consistency Checks in Section-2 (REC4_EDT)-------------
--------}
{1}
If Q201_RESIDENTS <> NotAppl And Q201_RESIDENTS > 0 And Q201_RESIDENTS <=30 And
Not Q118_HOUSE_TYPE In 4:7 Then
      write("(Sec-02).'Q201 <> Blank And 30>=Q201>=1 ==> Q118=4:7' :
%02d,%02d",Q201_RESIDENTS,Q118_HOUSE_TYPE);
      eFlag = 1;
Endif;
{2}
If Q207_OWNERSHIP = 2 And (Q208_DOCCUMENT <> NotAppl Or Q209_PLAN <> NotAppl)
Then
      write("(Sec-02).'Q207=2 ==> Q208=Blank and Q209=Blank' :
%02d,%02d,%02d",Q207_OWNERSHIP,Q208_DOCCUMENT,Q209_PLAN);
      eFlag = 1;
Endif;
If Q207_OWNERSHIP = 1 And (Q208_DOCCUMENT = NotAppl Or Q209_PLAN = NotAppl) Then
      write("(Sec-02).'Q207=1 ==> Q208<>Blank and Q209<>Blank' :
%02d,%02d,%02d",Q207_OWNERSHIP,Q208_DOCCUMENT,Q209_PLAN);
      eFlag = 1;
Endif;
{3}
If Q209_PLAN In 1:4 And (Q210_TENURE <> NotAppl Or Q211_ENTITLE <> NotAppl Or
Q212_IMPROVMENT = NotAppl) Then
      write("(Sec-02).'Q209=1:4 ==> Q210=Blank and Q211=Blank and Q212<>Blank' :
%02d,%02d,%02d,%02d",Q209_PLAN
      ,Q210_TENURE,Q211_ENTITLE,Q212_IMPROVMENT);
      eFlag = 1;
Endif;
{4}
If Q212_IMPROVMENT = 2 And (Q213_IMP_TYPE <> NotAppl Or (Q2141_REA1 = NotAppl
And Q2142_REA2 = NotAppl
```

```
        And Q2143_REA3 = NotAppl And Q2144_REA4 = NotAppl)) Then
        write("(Sec-02).'Q212=2 ==> Q213=Blank and at least
Q2141:Q2144<>Blank',%02d,%02d,%02d,%02d,%02d,%02d",Q212_IMPROVMENT
        ,Q213_IMP_TYPE,Q2141_REA1,Q2142_REA2,Q2143_REA3,Q2144_REA4);
        eFlag = 1;
Endif;
{5}
If Q213_IMP_TYPE In 1:2 And (Q2141_REA1 <> NotAppl Or Q2142_REA2 <> NotAppl Or
Q2143_REA3 <> NotAppl Or Q2144_REA4 <> NotAppl) Then
        write("(Sec-02).'Q213=1,2 ==>
Q2141:Q2144=Blank',%02d,%02d,%02d,%02d,%02d",Q213_IMP_TYPE,Q2141_REA1,Q2142_REA2
        ,Q2143_REA3,Q2144_REA4);
        eFlag = 1;
Endif;
{6}
If Q216_EVICTED = 2 And (Q217_EV_REA <> NotAppl Or Q218_SHIFT = NotAppl) Then
        write("(Sec-02).'Q216=2 ==> Q217=Blank and
Q218<>Blank',%02d,%02d,%02d",Q216_EVICTED,Q217_EV_REA,Q218_SHIFT);
        eFlag = 1;
Endif;
If Q216_EVICTED = 1 And Q217_EV_REA = NotAppl Then
        write("(Sec-02).'Q216=1 ==> Q217<>Blank',
%02d,%02d",Q216_EVICTED,Q217_EV_REA);
        eFlag = 1;
Endif;
{7}
If Q218_SHIFT In 1,3 And (Q2191_REAS1 <> NotAppl Or Q2192_REAS2 <> NotAppl Or
Q2193_REAS3 <> NotAppl Or
    Q2194_REAS4 <> NotAppl Or Q2195_REAS5 <> NotAppl)Then
        write("(Sec-02).'Q218=1,3 ==>
Q2191:Q2195=Blank',%02d,%02d,%02d,%02d,%02d,%02d",Q218_SHIFT,Q2191_REAS1
        ,Q2192_REAS2,Q2193_REAS3,Q2194_REAS4,Q2195_REAS5);
        eFlag = 1;
Endif;
If Q218_SHIFT = 2 And (Q2191_REAS1 = NotAppl And Q2192_REAS2 = NotAppl And
Q2193_REAS3 = NotAppl And
    Q2194_REAS4 = NotAppl And Q2195_REAS5 = NotAppl) Then
        write("(Sec-02).'Q218=2 ==> at least Q2191:Q2195 should be
filled',%02d,%02d,%02d,%02d,%02d,%02d",Q218_SHIFT,Q2191_REAS1
        ,Q2192_REAS2,Q2193_REAS3,Q2194_REAS4,Q2195_REAS5);
        eFlag = 1;
Endif;
{8,9 in REC_5EDT}
{9}
{10}
PROC Q201_RESIDENTS
If Not $ In 1:30 Then
{       write(0031, MONTH1);}
        write(0201, 'Q201',Q201_RESIDENTS);
        eFlag = 1;
Endif;
PROC Q202_DURATION
If Not $ In 0:99 Then
{       write(0031, MONTH1);}
        write(0201, 'Q202',Q202_DURATION);
        eFlag = 1;
Endif;
```

```
PROC Q2031_REASON1
If Not $ In 1:9,NotAppl Then
      write(0201, 'Q2031',Q2031_REASON1);
      eFlag = 1;
Endif;
PROC Q2032_REASON2
If Not $ In 1:9,NotAppl Then
      write(0201, 'Q2032',Q2032_REASON2);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2031_REASON1 = $ ) Then
      write("(Q2032 Value is duplicate with Q2031 : %02d,%02d",
$,Q2031_REASON1);
      eFlag = 1;
Endif;
PROC Q2033_REASON3
If Not $ In 1:9,NotAppl Then
      write(0201, 'Q2033',Q2033_REASON3);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2031_REASON1 = $ Or Q2032_REASON2 = $) Then
      write("(Q2033 Value is duplicate with Q2031 or Q2032 : %02d,%02d,%02d",
$,Q2031_REASON1,Q2032_REASON2);
      eFlag = 1;
Endif;
PROC Q2034_REASON4
If Not $ In 1:9,NotAppl Then
      write(0201, 'Q2034',Q2034_REASON4);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2031_REASON1 = $ Or Q2032_REASON2 = $ Or Q2033_REASON3 =
$) Then
      write("(Q2034 Value is duplicate with Q2031,Q2032 or Q2033:
%02d,%02d,%02d,%02d", $
      ,Q2031_REASON1,Q2032_REASON2,Q2033_REASON3);
      eFlag = 1;
Endif;
PROC Q2035_REASON5
If Not $ In 1:9,NotAppl Then
      write(0201, 'Q2035',Q2035_REASON5);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2031_REASON1 = $ Or Q2032_REASON2 = $ Or Q2033_REASON3 = $
Or
      Q2034_REASON4 = $) Then
      write("(Q2035 Value is duplicate with Q2031,Q2032,Q2033 or Q2034:
%02d,%02d,%02d,%02d,%02d"
      , $,Q2031_REASON1,Q2032_REASON2,Q2033_REASON3,Q2034_REASON4);
      eFlag = 1;
Endif;
PROC Q2041_SCH
If Not $ In 1:2,9 Then
      write(0201, 'Q2041',Q2041_SCH);
```

```
      eFlag = 1;
Endif;
PROC Q2042_HOSP
If Not $ In 1:2,9 Then
      write(0201, 'Q2042',Q2042_HOSP);
      eFlag = 1;
      Exit
Endif;
PROC Q2043_POST
If Not $ In 1:2,9 Then
      write(0201, 'Q2043',Q2043_POST);
      eFlag = 1;
      Exit
Endif;
PROC Q2045_ROAD
If Not $ In 1:2,9 Then
      write(0201, 'Q2044',Q2045_ROAD);
      eFlag = 1;
      Exit
Endif;
PROC Q2051_LENGTH
If Not $ In 1:99 Then
      write(0201, 'Q2051',Q2051_LENGTH);
      eFlag = 1;
Endif;
PROC Q2052_WIDTH
If Not $ In 1:99 Then
      write(0201, 'Q2052',Q2052_WIDTH);
      eFlag = 1;
Endif;
PROC Q2061_HALL
If Not $ In 0:2,9 Then
      write(0201, 'Q2061',Q2061_HALL);
      eFlag = 1;
Endif;
PROC Q2062_KICHEN
If Not $ In 0:2,9 Then
      write(0201, 'Q2062',Q2062_KICHEN);
      eFlag = 1;
Endif;
PROC Q2063_ROOMS
If Not $ In 0:4,9 Then
      write(0201, 'Q2063',Q2063_ROOMS);
      eFlag = 1;
Endif;
PROC Q2064_TOT
If Not $ In 1:8,9 Then
      write(0201, 'Q2064',Q2064_TOT);
      eFlag = 1;
Endif;
PROC Q207_OWNERSHIP
If Not $ In 1:2,9 Then
{     write(0031, MONTH1);}
      write(0201, 'Q207',Q207_OWNERSHIP);
      eFlag = 1;
Endif;
PROC Q208_DOCCUMENT
```

```
If Not $ In 1:6,9,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q208',Q208_DOCCUMENT);
      eFlag = 1;
Endif;
PROC Q209_PLAN
If Not $ In 1:4,9,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q209',Q209_PLAN);
      eFlag = 1;
Endif;
PROC Q210_TENURE
If Not $ In 1:5,9,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q210',Q210_TENURE);
      eFlag = 1;
Endif;
PROC Q211_ENTITLE
If Not $ In 1:7,9,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q211',Q211_ENTITLE);
      eFlag = 1;
Endif;
PROC Q212_IMPROVMENT
If Not $ In 1:2,9 Then
{     write(0031, MONTH1);}
      write(0201, 'Q212',Q212_IMPROVMENT);
      eFlag = 1;
Endif;
PROC Q213_IMP_TYPE
If Not $ In 1:2,9,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q213',Q213_IMP_TYPE);
      eFlag = 1;
Endif;
PROC Q2141_REA1
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2141',Q2141_REA1);
      eFlag = 1;
Endif;
PROC Q2142_REA2
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2142',Q2142_REA2);
      eFlag = 1;
Endif;
If $ <> NotAppl And (Q2141_REA1 = $ ) Then
      write("(Q2142 Value is duplicate with Q2141 : %02d,%02d", $,Q2141_REA1);
      eFlag = 1;
Endif;
PROC Q2143_REA3
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2143',Q2143_REA3);
      eFlag = 1;
Endif;
```

```
If $ <> NotAppl And (Q2141_REA1 = $ Or Q2142_REA2 = $) Then
      write("(Q2143 Value is duplicate with Q2141 or Q2142 : %02d,%02d,%02d",
$,Q2141_REA1,Q2142_REA2);
      eFlag = 1;
Endif;
PROC Q2144_REA4
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2144',Q2144_REA4);
      eFlag = 1;
Endif;
If $ <> NotAppl And (Q2141_REA1 = $ Or Q2142_REA2 = $ Or Q2143_REA3 = $) Then
      write("(Q2144 Value is duplicate with Q2141, Q2142 or Q2143 :
%02d,%02d,%02d,%02d"
                , $,Q2141_REA1,Q2142_REA2,Q2143_REA3);
      eFlag = 1;
Endif;
PROC Q215_SECURE
If Not $ In 1:3,9 Then
{     write(0031, MONTH1);}
      write(0201, 'Q215',Q215_SECURE);
      eFlag = 1;
Endif;
PROC Q216_EVICTED
If Not $ In 1:2,9 Then
{     write(0031, MONTH1);}
      write(0201, 'Q216',Q216_EVICTED);
      eFlag = 1;
Endif;
PROC Q217_EV_REA
If Not $ In 1:5,9,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q217',Q217_EV_REA);
      eFlag = 1;
Endif;
PROC Q218_SHIFT
If Not $ In 1:3,9 Then
{     write(0031, MONTH1);}
      write(0201, 'Q218',Q218_SHIFT);
      eFlag = 1;
Endif;
PROC Q2191_REAS1
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2191',Q2191_REAS1);
      eFlag = 1;
Endif;
PROC Q2192_REAS2
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2192',Q2192_REAS2);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2191_REAS1 = $ ) Then
      write("(Q2192 Value is duplicate with Q2191 : %02d,%02d", $,Q2191_REAS1);
      eFlag = 1;
```

```
Endif;

PROC Q2193_REAS3
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2193',Q2193_REAS3);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2191_REAS1 = $ Or Q2192_REAS2 = $) Then
      write("(Q2193 Value is duplicate with Q2191 or Q2192 : %02d,%02d,%02d",
$,Q2191_REAS1
      ,Q2192_REAS2);
      eFlag = 1;
Endif;
PROC Q2194_REAS4
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2194',Q2194_REAS4);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2191_REAS1 = $ Or Q2192_REAS2 = $ Or Q2193_REAS3 = $) Then
      write("(Q2194 Value is duplicate with Q2191,Q2192 or Q2193 :
%02d,%02d,%02d,%02d", $,
      Q2191_REAS1,Q2192_REAS2,Q2193_REAS3);
      eFlag = 1;
Endif;
PROC Q2195_REAS5
If Not $ In 1:7,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2195',Q2195_REAS5);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2191_REAS1 = $ Or Q2192_REAS2 = $ Or Q2193_REAS3 = $ Or
      Q2194_REAS4 = $) Then
      write("(Q2195 Value is duplicate with Q2191,Q2192,Q2193 or Q2194 :
%02d,%02d,%02d,%02d,%02d"
      , $, Q2191_REAS1,Q2192_REAS2,Q2193_REAS3,Q2194_REAS4);
      eFlag = 1;
Endif;
PROC Q2201_LOCAT1
If Not $ In 1:11,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2201',Q2201_LOCAT1);
      eFlag = 1;
Endif;
PROC Q2202_LOCAT2
If Not $ In 1:11,NotAppl Then
{     write(0031, MONTH1);}
      write(0201, 'Q2202',Q2202_LOCAT2);
      eFlag = 1;
      Exit
Endif;
If $ <> NotAppl And (Q2201_LOCAT1 = $ ) Then
      write("(Q2202 Value is duplicate with Q2201 : %02d,%02d", $,Q2201_LOCAT1);
```

```
        eFlag = 1;
Endif;

PROC Q2203_LOCAT3
If Not $ In 1:11,NotAppl Then
{       write(0031, MONTH1);}
        write(0201, 'Q2203',Q2203_LOCAT3);
        eFlag = 1;
        Exit
Endif;
If $ <> NotAppl And (Q2201_LOCAT1 = $ Or Q2202_LOCAT2 = $) Then
        write("(Q2203 Value is duplicate with Q2201 or Q2202 : %02d,%02d,%02d", $
                ,Q2201_LOCAT1,Q2202_LOCAT2);
        eFlag = 1;
Endif;
PROC Q2204_LOCAT4
If Not $ In 1:11,NotAppl Then
{       write(0031, MONTH1);}
        write(0201, 'Q2204',Q2204_LOCAT4);
        eFlag = 1;
        Exit
Endif;
If $ <> NotAppl And (Q2201_LOCAT1 = $ Or Q2202_LOCAT2 = $ Or Q2203_LOCAT3 = $)
Then
        write("(Q2204 Value is duplicate with Q2201,Q2202 or Q2203 :
%02d,%02d,%02d,%02d", $
                ,Q2201_LOCAT1,Q2202_LOCAT2,Q2203_LOCAT3);
        eFlag = 1;
Endif;
PROC Q2205_LOCAT5
If Not $ In 1:11,NotAppl Then
{       write(0031, MONTH1);}
        write(0201, 'Q2205',Q2205_LOCAT5);
        eFlag = 1;
        Exit
Endif;
If $ <> NotAppl And (Q2201_LOCAT1 = $ Or Q2202_LOCAT2 = $ Or Q2203_LOCAT3 = $ Or
        Q2204_LOCAT4 = $ ) Then
        write("(Q2205 Value is duplicate with Q2201,Q2202,Q2203 or Q2204 :
%02d,%02d,%02d,%02d,%02d"
                ,$,Q2201_LOCAT1,Q2202_LOCAT2,Q2203_LOCAT3,Q2204_LOCAT4);
        eFlag = 1;
Endif;
PROC Q2206_LOCAT6
If Not $ In 1:11,NotAppl Then
{       write(0031, MONTH1);}
        write(0201, 'Q2206',Q2206_LOCAT6);
        eFlag = 1;
        Exit
Endif;
If $ <> NotAppl And (Q2201_LOCAT1 = $ Or Q2202_LOCAT2 = $ Or Q2203_LOCAT3 = $ Or
        Q2204_LOCAT4 = $ Or Q2205_LOCAT5 = $) Then
        write("(Q2206 Value is duplicate with Q2201,Q2202,Q2203,Q2204 or Q2204 :
%02d,%02d,%02d,%02d,%02d,%02d"

        ,$,Q2201_LOCAT1,Q2202_LOCAT2,Q2203_LOCAT3,Q2204_LOCAT4,Q2205_LOCAT5);
        eFlag = 1;
```

```
Endif;
PROC Q221_WINDOW
If Not $ In 1:2,9 Then
{     write(0031, MONTH1);}
      write(0201, 'Q221',Q221_WINDOW);
      eFlag = 1;
Endif;
PROC Q222_ENVIOR
If Not $ In 1:2,9 Then
{     write(0031, MONTH1);}
      write(0201, 'Q222',Q222_ENVIOR);
      eFlag = 1;
Endif;
PROC Q2231_HOUS1
If Not $ In 1:5,9 Then
{     write(0031, MONTH1);}
      write(0201, 'Q223',Q2231_HOUS1);
      eFlag = 1;
Endif;
PROC Q224_MAINTAIN
If Not $ In 1:2,9 Then
      write(0201, 'Q224',Q224_MAINTAIN);
      eFlag = 1;
Endif;
PROC REC5_EDT
{-----------------------Range Edits in Section-2 (REC5_EDT)-------------------
-}
do varying i = 1 until i > totocc(REC5_EDT)
      {If NAME225(i) <> i Then
            write("(Sec.02).WNO Nos are not in order..: %02d.",NAME225(i));
            eFlag = 1;
      Endif;}
      If NOT NAME225(i) In 1:6 Then
            write("(Sec.02).Invalid WNO No. : %02d.",NAME225(i));
            eFlag = 1;
      Endif;
enddo;
do varying i = 1 until i > totocc(REC5_EDT)
      If NOT LINE225(i) In 1:30 Then
            write("(Sec.02).Invalid WLN No %02d, of WNO
%02d.",LINE225(i),NAME225(i));
            eFlag = 1;
      Endif;
      If NOT RESUL225(i) In 1:3,8 Then
            write("(Sec.02).Invalid WRL %02d, of WNO
%02d.",RESUL225(i),NAME225(i));
            eFlag = 1;
      Endif;
      If RESUL225(i) = 1 Then
            If NOT Q225_LIVING(i) In 0:60,98,99 Then
                  write("(Sec-02.Q225).Invalid Years %02d, of WNO
%02d.",Q225_LIVING(i),NAME225(i));
                  eFlag = 1;
            Endif;
            If NOT Q2261_BATH(i) In 1:2,9 Then
                  write("(Sec-02.Q2261).Invalid Code %02d, of WNO
%02d.",Q2261_BATH(i),NAME225(i));
```

```
                eFlag = 1;
            Endif;
            If NOT Q2262_WASHING(i) In 1:2,9 Then
                    write("(Sec-02.Q2262).Invalid Code %02d, of WNO
%02d.",Q2262_WASHING(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If NOT Q2263_USE_TOI(i) In 1:2,9 Then
                    write("(Sec-02.Q2263).Invalid Code %02d, of WNO
%02d.",Q2263_USE_TOI(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If NOT Q2264_COOKING(i) In 1:2,9 Then
                    write("(Sec-02.Q2264).Invalid Code %02d, of WNO
%02d.",Q2264_COOKING(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If NOT Q2265_SLEEP(i) In 1:2,9 Then
                    write("(Sec-02.Q2265).Invalid Code %02d, of WNO
%02d.",Q2265_SLEEP(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If NOT Q2266_OTHER(i) In 1:2,9 Then
                    write("(Sec-02.Q2266).Invalid Code %02d, of WNO
%02d.",Q2266_OTHER(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If NOT Q2271_SPOUS(i) In 1:3,9 Then
                    write("(Sec-02.Q2271).Invalid Code %02d, of WNO
%02d.",Q2271_SPOUS(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If NOT Q2272_OTHER(i) In 1:3,9,NotAppl Then
                    write("(Sec-02.Q2272).Invalid Code %02d, of WNO
%02d.",Q2272_OTHER(i),NAME225(i));
                    eFlag = 1;
            Endif;
        Endif;
        If RESUL225(i) In 2,3,8 Then
            If Q225_LIVING(i) <> NotAppl Then
                    write("(Sec-02.Q225).Invalid Years %02d, of WNO
%02d.",Q225_LIVING(i),NAME225(i));
                    eFlag = 1;
            Endif;

            If Q2261_BATH(i) <> NotAppl Then
                    write("(Sec-02.Q2261).Invalid Code %02d, of WNO
%02d.",Q2261_BATH(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If Q2262_WASHING(i) <> NotAppl  Then
                    write("(Sec-02.Q2262).Invalid Code %02d, of WNO
%02d.",Q2262_WASHING(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If Q2263_USE_TOI(i) <> NotAppl  Then
```

```
                    write("(Sec-02.Q2263).Invalid Code %02d, of WNO
%02d.",Q2263_USE_TOI(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If Q2264_COOKING(i) <> NotAppl  Then
                    write("(Sec-02.Q2264).Invalid Code %02d, of WNO
%02d.",Q2264_COOKING(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If Q2265_SLEEP(i) <> NotAppl  Then
                    write("(Sec-02.Q2265).Invalid Code %02d, of WNO
%02d.",Q2265_SLEEP(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If Q2266_OTHER(i) <> NotAppl Then
                    write("(Sec-02.Q2266).Invalid Code %02d, of WNO
%02d.",Q2266_OTHER(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If Q2271_SPOUS(i) <> NotAppl  Then
                    write("(Sec-02.Q2271).Invalid Code %02d, of WNO
%02d.",Q2271_SPOUS(i),NAME225(i));
                    eFlag = 1;
            Endif;
            If Q2272_OTHER(i) <> NotAppl  Then
                    write("(Sec-02.Q2272).Invalid Code %02d, of WNO
%02d.",Q2272_OTHER(i),NAME225(i));
                    eFlag = 1;
            Endif;
      Endif;

      If NOT Q2281_TEASE(i) In 1, NotAppl Then
            write("(Sec-02.Q2281).Invalid Code %02d, of WNO
%02d.",Q2281_TEASE(i),NAME225(i));
            eFlag = 1;
      Endif;
      If NOT Q2282_ABUSE(i) In 2, NotAppl Then
            write("(Sec-02.Q2282).Invalid Code %02d, of WNO
%02d.",Q2282_ABUSE(i),NAME225(i));
            eFlag = 1;
      Endif;
      If NOT Q2283_HARASS(i) In 3, NotAppl Then
            write("(Sec-02.Q2283).Invalid Code %02d, of WNO
%02d.",Q2283_HARASS(i),NAME225(i));
            eFlag = 1;
      Endif;
      If NOT Q2284_QUARREL(i) In 4, NotAppl Then
            write("(Sec-02.Q2284).Invalid Code %02d, of WNO
%02d.",Q2284_QUARREL(i),NAME225(i));
            eFlag = 1;
      Endif;
      If NOT Q2285_SEXUEL(i) In 5, NotAppl Then
            write("(Sec-02.Q2285).Invalid Code %02d, of WNO
%02d.",Q2285_SEXUEL(i),NAME225(i));
            eFlag = 1;
      Endif;
      If NOT Q2286_OTHER(i) In 6, NotAppl Then
```

```
            write("(Sec-02.Q2286).Invalid Code %02d, of WNO
%02d.",Q2286_OTHER(i),NAME225(i));
            eFlag = 1;
      Endif;
{10}
      If (Q2271_SPOUS(i) = 3 Or Q2272_OTHER(i) = 3) And (Q2281_TEASE(i) <>
NotAppl Or
            Q2282_ABUSE(i) <> NotAppl Or Q2283_HARASS(i) <> NotAppl Or
Q2284_QUARREL(i) <> NotAppl
            Or Q2285_SEXUEL(i) <> NotAppl Or Q2286_OTHER(i) <> NotAppl) Then
            write("(Sec-02).'Q2271 or Q2272=3 ==> Q2281:Q2286 =
Blank',%02d,%02d,%02d,%02d,%02d,%02d,%02d,%02d, of WNO %02d."

,Q2271_SPOUS(i),Q2272_OTHER(i),Q2281_TEASE(i),Q2282_ABUSE(i),Q2283_HARASS(i),Q22
84_QUARREL(i)
                  ,Q2285_SEXUEL(i),Q2286_OTHER(i),NAME225(i));
            eFlag = 1;
      Endif;
      If (Q2271_SPOUS(i) In 1:2 Or Q2272_OTHER(i) In 1:2) And (Q2281_TEASE(i) =
NotAppl Or
            Q2282_ABUSE(i) = NotAppl Or Q2283_HARASS(i) = NotAppl Or
Q2284_QUARREL(i) = NotAppl
            Or Q2285_SEXUEL(i) = NotAppl Or Q2286_OTHER(i) = NotAppl) Then
            write("(Sec-02).'Q2271 or Q2272= 1 Or 2 ==> Q2281:Q2286 <>
Blank',%02d,%02d,%02d,%02d,%02d,%02d,%02d,%02d, of WNO %02d."

,Q2271_SPOUS(i),Q2272_OTHER(i),Q2281_TEASE(i),Q2282_ABUSE(i),Q2283_HARASS(i),Q22
84_QUARREL(i)
                  ,Q2285_SEXUEL(i),Q2286_OTHER(i),NAME225(i));
            eFlag = 1;
      Endif;
enddo;
{------------------------Consistency Checks in Section-2 (REC5_EDT)------------
-----------}
{8}{9}
i=0;j=0;
{do varying i = 1 until i > 30}
do varying i = 1 until i > totocc(REC2_EDT)
If A04_SEX(i) = 2 And A06_AGE(i) >= 18 And A06_AGE(i) <= 60 And Q118_HOUSE_TYPE
In 4:7 Then
      do varying j = 1 until j > totocc(REC5_EDT)
            If A01_LINE_NO(i) = LINE225(j) And NAME225(j) = NotAppl Then
                  write("(Sec-02).'A4=2 And 18<=A6<=60 And Q118=4:7 ==>
WNO<>Blank'.");
                  eFlag = 1;
            Endif;
      enddo;
Endif;
enddo;
Ptot=0;Wtot=0;
Ptot = count(REC2_EDT where A04_SEX = 2 And A06_AGE In 18:60);
Wtot = count(REC5_EDT where NAME225 > 0);
If Ptot <> Wtot Then
      write("(Sec-02).'No.of Persons[A4=2 And A6=(18-60)] = No.of Columns in
WNO'.%02d,%02d"
      ,Ptot,Wtot);
      eFlag = 1;
```

```
        Endif;


PROC REC6_EDT
{-----------------------Range Edits in Section-3 (REC6_EDT)-------------------
------------}
do varying i = 1 until i > totocc(REC6_EDT)
      {If NAME301(i) <> i Then
            write("(Sec.03).ENO Nos are not in order. : %02d.",NAME301(i));
            eFlag = 1;
      Endif;}
      If NOT NAME301(i) In 1:5 Then
            write("(Sec.03).Invalid ENO No. : %02d.",NAME301(i));
            eFlag = 1;
      Endif;
enddo;
do varying i = 1 until i > totocc(REC6_EDT)
      If NOT LINE301(i) In 1:40 Then
            write("(Sec.03).Invalid ELN No %02d, of ENO
%02d.",LINE301(i),NAME301(i));
            eFlag = 1;
      Endif;
      If NOT Q301_SCH_ATT(i) In 1:4,9 Then
            write("(Sec-03.Q301).Invalid Code, %02d, of ENO
%02d.",Q301_SCH_ATT(i),NAME301(i));
            eFlag = 1;
      Endif;
      If NOT Q302_GRADE(i) In 1:10,99,NotAppl Then
            write("(Sec-03.Q302).Invalid Grade, %02d, of ENO
%02d.",Q302_GRADE(i),NAME301(i));
            eFlag = 1;
      Endif;
      If NOT Q303_LAST_GRD(i) In 1:10,99,NotAppl Then
            write("(Sec-03.Q303).Invalid Grade, %02d, of ENO
%02d.",Q303_LAST_GRD(i),NAME301(i));
            eFlag = 1;
      Endif;
      If NOT Q304_FIRST_YEAR(i) In 1997:2006,9999,NotAppl Then
            write("(Sec-03.Q304).Invalid Year, %04d, of ENO
%02d.",Q304_FIRST_YEAR(i),NAME301(i));
            eFlag = 1;
      Endif;
      If NOT Q305_STUDY(i) In 1:10,98,99,NotAppl Then
            write("(Sec-03.Q305).Invalid Grade, %02d, of ENO
%02d.",Q305_STUDY(i),NAME301(i));
            eFlag = 1;
      Endif;
      If NOT Q306_STOP(i) In 1995:2006,9999,NotAppl Then
            write("(Sec-03.Q306).Invalid Year, %04d, of ENO
%02d.",Q306_STOP(i),NAME301(i));
            eFlag = 1;
      Endif;
      If NOT Q307_REASON(i) In 1:8,9,NotAppl Then
            write("(Sec-03.Q307).Invalid Reason, %02d, of ENO
%02d.",Q307_REASON(i),NAME301(i));
            eFlag = 1;
      Endif;
```

```
enddo;
{-----------------------Consistency Checks in Section-3 (REC6_EDT)-------------
------------}
{1}
{do varying i = 1 until i > 40}
do varying i = 1 until i > totocc(REC2_EDT)
If A06_AGE(i) >= 5 And A06_AGE(i) <= 14   Then
      do varying j = 1 until j > totocc(REC6_EDT)
            If A01_LINE_NO(i) = LINE301(j) And NAME301(j) = NotAppl Then
                  write("(Sec-03).'5<=A6<=14 ==>
ENO<>Blank'%02d,%02d.",A06_AGE(i),NAME301(j));
                  eFlag = 1;
            Endif;
      enddo;
Endif;
enddo;
do varying i = 1 until i > totocc(REC6_EDT)
{2}
      If Q301_SCH_ATT(i) = 1 And (Q302_GRADE(i) = NotAppl Or Q303_LAST_GRD(i) =
NotAppl Or
         Q304_FIRST_YEAR(i) = NotAppl Or Q305_STUDY(i) = NotAppl) Then
            write("(Sec-03),'Q301=1 ==> Q302:Q305<>Blank',
%2d,%2d,%2d,%2d,%2d,of ENO %02d."

      ,Q301_SCH_ATT(i),Q302_GRADE(i),Q303_LAST_GRD(i),Q304_FIRST_YEAR(i),Q305_ST
UDY(i),NAME301(i));
            eFlag = 1;
      Endif;
{3}
      If Q301_SCH_ATT(i) = 1 And Q305_STUDY(i) <> 98 Then
            write("(Sec-03),'Q301=1 ==> Q305=98',%02d,%2d,of ENO
%02d.",Q301_SCH_ATT(i),Q305_STUDY(i),NAME301(i));
            eFlag = 1;
      Endif;
{4}
      If Q301_SCH_ATT(i) = 1 And (Q306_STOP(i) <> NotAppl Or Q307_REASON(i) <>
NotAppl) Then
            write("(Sec-03),'Q301=1 ==> Q306,Q307=Blank', %02d,%02d,%02d,of ENO
%02d."
            ,Q301_SCH_ATT(i),Q306_STOP(i),Q307_REASON(i),NAME301(i));
            eFlag = 1;
      Endif;
{5}
      If Q301_SCH_ATT(i) = 2 And (Q304_FIRST_YEAR(i) = NotAppl Or Q305_STUDY(i)
= NotAppl Or
         Q306_STOP(i) = NotAppl Or Q307_REASON(i) = NotAppl) Then
            write("(Sec-03),'Q301=2 ==> Q304:Q307<>Blank',
%2d,%2d,%2d,%2d,%2d,of ENO %02d."

      ,Q301_SCH_ATT(i),Q304_FIRST_YEAR(i),Q305_STUDY(i),Q306_STOP(i),Q307_REASON
(i),NAME301(i));
            eFlag = 1;
      Endif;
{6}
      If Q301_SCH_ATT(i) = 2 And (Q302_GRADE(i) <> NotAppl Or Q303_LAST_GRD(i)
<> NotAppl Or
         Q307_REASON(i) = NotAppl) Then
```

```
            write("(Sec-03),'Q301=2 ==> Q302,Q303=Blank and Q307<>Blank',
%2d,%2d,%2d,%2d,of ENO %02d."

       ,Q301_SCH_ATT(i),Q302_GRADE(i),Q303_LAST_GRD(i),Q307_REASON(i),NAME301(i))
;
            eFlag = 1;
      Endif;
{7}
      If Q301_SCH_ATT(i) In 3,4 And (Q302_GRADE(i) <> NotAppl Or
Q303_LAST_GRD(i) <> NotAppl Or
         Q304_FIRST_YEAR(i) <> NotAppl Or Q305_STUDY(i) <> NotAppl Or
Q306_STOP(i) <> NotAppl) Then
            write("(Sec-03),'Q301=3 or 4 ==> Q302:Q306=Blank',
%2d,%2d,%2d,%2d,%2d,%2d,of ENO %02d."

       ,Q301_SCH_ATT(i),Q302_GRADE(i),Q303_LAST_GRD(i),Q304_FIRST_YEAR(i),Q305_ST
UDY(i)
            ,Q306_STOP(i),NAME301(i));
            eFlag = 1;
      Endif;
{9}
      If Q301_SCH_ATT(i) = 4 And (Q302_GRADE(i) <> NotAppl Or Q303_LAST_GRD(i)
<> NotAppl Or
         Q304_FIRST_YEAR(i) <> NotAppl Or Q305_STUDY(i) <> NotAppl Or
Q306_STOP(i) <> NotAppl Or
         Q307_REASON(i) <> NotAppl) Then
            write("(Sec-03.09),'Q301=4 ==> Q302:Q307=Blank',
%2d,%2d,%2d,%2d,%2d,%2d,%2d,of ENO %02d."

       ,Q301_SCH_ATT(i),Q302_GRADE(i),Q303_LAST_GRD(i),Q304_FIRST_YEAR(i),Q305_ST
UDY(i)
            ,Q306_STOP(i),Q307_REASON(i),NAME301(i));
            eFlag = 1;
      Endif;
enddo;

do varying i = 1 until i > totocc(REC6_EDT)
{8}
      If Q301_SCH_ATT(i) = 3 Then
            {do varying j = 1 until j > 40}
            do varying j = 1 until j > totocc(REC2_EDT)
                 If A01_LINE_NO(j) = LINE301(i) And A010_EDUCATION(j) <> 1 Then
                      write("(Sec-03),'Q301=3 ==> A10=1', %2d,%2d,%2d,of ENO
%02d."
                            ,Q301_SCH_ATT(i),A010_EDUCATION(j),NAME301(i));
                      eFlag = 1;
                 Endif;
            enddo;
      Endif;
{10}
      If Q301_SCH_ATT(i) = 1 And Q302_GRADE(i) In 1:5 Then
            {do varying j = 1 until j > 40}
            do varying j = 1 until j > totocc(REC2_EDT)
                 If A01_LINE_NO(j) = LINE301(i) And A010_EDUCATION(j) <> 2 Then
                      write("(Sec-03),'Q301=1 And Q302=1:5 ==> A10=2',
%2d,%2d,%2d,of ENO %02d."
```

```
            ,Q301_SCH_ATT(i),Q302_GRADE(i),A010_EDUCATION(j),NAME301(i));
                            eFlag = 1;
                    Endif;
            enddo;
      Endif;
{11}
      If Q301_SCH_ATT(i) = 1 And Q302_GRADE(i) In 6:10 Then
            {do varying j = 1 until j > 40}
            do varying j = 1 until j > totocc(REC2_EDT)
                    If A01_LINE_NO(j) = LINE301(i) And A010_EDUCATION(j) <> 3 Then
                            write("(Sec-03),'Q301=1 And Q302=6:10 ==> A10=3',
%2d,%2d,%2d,of ENO %02d."

,Q301_SCH_ATT(i),Q302_GRADE(i),A010_EDUCATION(j),NAME301(i));
                            eFlag = 1;
                    Endif;
            enddo;
      Endif;
enddo;




PROC REC7_EDT
{-----------------------Range Edits in Section-4 (REC7_EDT)--------------------
------------}
do varying i = 1 until i > totocc(REC7_EDT)
      {If NAME401(i) <> i Then
            write("(Sec.04).LNO Nos are not in order. : %02d.",NAME401(i));
            eFlag = 1;
      Endif;}
      If NOT NAME401(i) In 1:5 Then
            write("(Sec.04).Invalid LNO No. : %02d.",NAME401(i));
            eFlag = 1;
      Endif;
enddo;
do varying i = 1 until i > totocc(REC7_EDT)
      If NOT LINE401(i) In 1:40 Then
            write("(Sec.04).Invalid LLN No %02d, of LNO
%02d.",LINE401(i),NAME401(i));
            eFlag = 1;
      Endif;
      If NOT RESUL401(i) In 1:4,8 Then
            write("(Sec.04).Invalid LRL %02d, of LNO
%02d.",RESUL401(i),NAME401(i));
            eFlag = 1;
      Endif;
      If RESUL401(i) In 1:2 And NOT Q401_ATT_SCH(i) In 1:3,9 Then
            write("(Sec-04.Q401).Invalid Code : %02d, of LNO
%02d.",Q401_ATT_SCH(i),NAME401(i));
            eFlag = 1;
      Endif;
      If NOT Q402_GRADE(i) In 9:13,99,NotAppl Then
            write("(Sec-04.Q402).Invalid Grade : %02d, of LNO
%02d.",Q402_GRADE(i),NAME401(i));
```

```
            eFlag = 1;
        Endif;
        If NOT Q403_LAST_GRD(i) In 1:13,99,NotAppl Then
                write("(Sec-04.Q403).Invalid Grade : %02d, of LNO
%02d.",Q403_LAST_GRD(i),NAME401(i));
                eFlag = 1;
        Endif;
        If NOT Q404_OTHER(i) In 1:2,9,NotAppl Then
                write("(Sec-04.Q404).Invalid Code : %02d, of LNO
%02d.",Q404_OTHER(i),NAME401(i));
                eFlag = 1;
        Endif;
        If NOT Q405_COMPLET(i) In 1:3,9,NotAppl Then
                write("(Sec-04.Q405).Invalid Code : %02d, of LNO
%02d.",Q405_COMPLET(i),NAME401(i));
                eFlag = 1;
        Endif;
        If RESUL401(i) In 1:2 And NOT Q406_LANGUAGE(i) In 1:4,9 Then
                write("(Sec-04.Q406).Invalid Code : %02d, of LNO
%02d.",Q406_LANGUAGE(i),NAME401(i));
                eFlag = 1;
        Endif;
enddo;
{------------------------Consistency Checks in Section-4 (REC7_EDT)-------------
------------}
{Write("-----------Consistency Checks in Section-4-----------------");}
Ptot=0;Wtot=0;
{2}
Ptot = count(REC2_EDT where A06_AGE In 15:24);
Wtot = count(REC7_EDT where NAME401 <> NotAppl);
If Ptot <> Wtot Then
        write("(Sec-04.).'No.of Persons[15=< A6 =<24] <> No.of Columns of
LNO'.%02d,%02d"
        ,Ptot,Wtot);
        eFlag = 1;
Endif;
do varying i = 1 until i > totocc(REC7_EDT)
{3}
        If LINE401(i) <> NotAppl And Not RESUL401(i) In 1:4,8 Then
                write("(Sec-04.),'LLN is filled ==> LRL=1:4 or 8':,%02d,%02d,of LNO
%02d."
                ,LINE401(i),RESUL401(i),NAME401(i));
                eFlag = 1;
        Endif;
{4}
        If Q401_ATT_SCH(i) = 1 And Q402_GRADE(i) = NotAppl Then
                write("(Sec-04.),'Q401=1 ==> Q402<>Blank':,%02d,%02d,of LNO %02d."
                ,Q401_ATT_SCH(i),Q402_GRADE(i),NAME401(i));
                eFlag = 1;
        Endif;
{5}
        If Q401_ATT_SCH(i) = 2 And (Q402_GRADE(i) <> NotAppl Or Q403_LAST_GRD(i) =
NotAppl)Then
                write("(Sec-04.05),'Q401=2 ==> Q402=Blank And
Q403<>Blank':,%02d,%02d,%02d,of LNO %02d."
                ,Q401_ATT_SCH(i),Q402_GRADE(i),Q403_LAST_GRD(i),NAME401(i));
                eFlag = 1;
```

```
        Endif;
{6}
      If Q401_ATT_SCH(i) = 3 And (Q402_GRADE(i) <> NotAppl Or Q403_LAST_GRD(i)
<> NotAppl Or
        Q404_OTHER(i) = NotAppl)Then
            write("(Sec-04.),'Q401=3 ==> Q402,Q403=Blank and
Q404<>Blank':,%02d,%02d,%02d,%02d,of LNO %02d."

        ,Q401_ATT_SCH(i),Q402_GRADE(i),Q403_LAST_GRD(i),Q404_OTHER(i),NAME401(i));
            eFlag = 1;
      Endif;
{7}
      If Q402_GRADE(i) <> NotAppl And (Q403_LAST_GRD(i) <> NotAppl Or
Q404_OTHER(i) <> NotAppl Or
        Q405_COMPLET(i) <> NotAppl)Then
            write("(Sec-04.),'Q402 is filled ==>
Q403,Q404,Q405=Blank':,%02d,%02d,%02d,%02d,of LNO %02d."

        ,Q402_GRADE(i),Q403_LAST_GRD(i),Q404_OTHER(i),Q405_COMPLET(i),NAME401(i));
            eFlag = 1;
      Endif;
{8}
      If Q403_LAST_GRD(i) > 5 And (Q404_OTHER(i) <> NotAppl Or Q405_COMPLET(i)
<> NotAppl)Then
            write("(Sec-04.),'Q403>5 ==> Q404,Q405=Blank':,%02d,%02d,%02d,of LNO
%02d."
            ,Q403_LAST_GRD(i),Q404_OTHER(i),Q405_COMPLET(i),NAME401(i));
            eFlag = 1;
      Endif;
{9}
      If Q403_LAST_GRD(i) <= 5 And Q404_OTHER(i) = NotAppl Then
            write("(Sec-04.),'Q403 =< 5 ==> Q404 <> Blank':,%02d,%02d,of LNO
%02d."
            ,Q403_LAST_GRD(i),Q404_OTHER(i),NAME401(i));
            eFlag = 1;
      Endif;
{10}
      If Q404_OTHER(i) = 2 And Q405_COMPLET(i) <> NotAppl Then
            write("(Sec-04.),'Q404=2 ==> Q405 = Blank':,%02d,%02d,of LNO %02d."
            ,Q404_OTHER(i),Q405_COMPLET(i),NAME401(i));
            eFlag = 1;
      Endif;
{11}
      If Q404_OTHER(i) = 1 And Q405_COMPLET(i) = NotAppl Then
            write("(Sec-04.),'Q404=1 ==> Q405 <> Blank':,%02d,%02d,of LNO %02d."
            ,Q404_OTHER(i),Q405_COMPLET(i),NAME401(i));
            eFlag = 1;
      Endif;
{12-1}
      If RESUL401(i) In 1,2 And Q406_LANGUAGE(i) = NotAppl Then
            write("(Sec-04.),'LRL=1,2 ==> Q406,Q407,Q408(Q406) <>
Blank':,%02d,%02d,of LNO %02d."
            ,RESUL401(i),Q406_LANGUAGE(i),NAME401(i));
            eFlag = 1;
      Endif;
enddo;
PROC REC8_EDT
```

```
{----------------------Range Edits in Section-4 (REC8_EDT)-------------------
------------}
do varying i = 1 until i > totocc(REC8_EDT)
      {If NAME407(i) <> i Then
            write("(Sec.04).LNO Nos are not in order. : %02d.",NAME407(i));
            eFlag = 1;
      Endif;}
      If NOT NAME407(i) In 1:5 Then
            write("(Sec.04).Invalid LNO No. : %02d.",NAME407(i));
            eFlag = 1;
      Endif;
enddo;
do varying i = 1 until i > totocc(REC8_EDT)
      If NOT LINE407(i) In 1:40 Then
            write("(Sec.04).Invalid LLN No %02d, of LNO
%02d.",LINE407(i),NAME407(i));
            eFlag = 1;
      Endif;
      {
      If NOT Q407_WRITE(i) In 1:4,9 Then
            write("(Sec-04.Q407).Invalid Code : %02d, of LNO
%02d.",Q407_WRITE(i),NAME407(i));
            eFlag = 1;
      Endif;
      }
{     If Q4081_SINHALA(i) <> 1 Or Q4081_SINHALA(i) <> NotAppl Then}
      If Not Q4081_SINHALA(i) In 1, NotAppl Then
            write("(Sec-04.Q408S).Invalid Code : %02d, of LNO
%02d.",Q4081_SINHALA(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4082_TAMIL(i) In 2, NotAppl Then
            write("(Sec-04.Q408T).Invalid Code : %02d, of LNO
%02d.",Q4082_TAMIL(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4083_ENGLISH(i) In 3, NotAppl Then
            write("(Sec-04.Q408E).Invalid Code : %02d, of LNO
%02d.",Q4083_ENGLISH(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4084_OTHER(i) In 4, NotAppl Then
            write("(Sec-04.Q408O).Invalid Code : %02d, of LNO
%02d.",Q4084_OTHER(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4091_SINHALA(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q409S).Invalid Code : %02d, of LNO
%02d.",Q4091_SINHALA(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4092_TAMIL(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q409T).Invalid Code : %02d, of LNO
%02d.",Q4092_TAMIL(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4093_ENGLISH(i) In 1:3,9,NotAppl Then
```

```
            write("(Sec-04.Q409E).Invalid Code : %02d, of LNO
%02d.",Q4093_ENGLISH(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4094_OTHER(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q409O).Invalid Code : %02d, of LNO
%02d.",Q4094_OTHER(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4101_SINHALA(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q410S).Invalid Code : %02d, of LNO
%02d.",Q4101_SINHALA(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4102_TAMIL(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q410T).Invalid Code : %02d, of LNO
%02d.",Q4102_TAMIL(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4103_ENGLISH(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q410E).Invalid Code : %02d, of LNO
%02d.",Q4103_ENGLISH(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Not Q4104_OTHER(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q410O).Invalid Code : %02d, of LNO
%02d.",Q4104_OTHER(i),NAME407(i));
            eFlag = 1;
      Endif;
enddo;
do varying i = 1 until i > totocc(REC7_EDT)
      do varying j = 1 until j > totocc(REC8_EDT)
            If NAME401(i)=NAME407(j) Then
            If RESUL401(i) In 1:2 And NOT Q407_WRITE(j) In 1:4,9 Then
                  write("(Sec-04.Q407).Invalid Code : %02d, of LNO
%02d.",Q407_WRITE(j),NAME407(j));
                  eFlag = 1;
            Endif;
            Endif;
      enddo;
enddo;
{-----------------------Consistency Checks in Section-4 (REC8_EDT)-------------
------------}
do varying i = 1 until i > totocc(REC8_EDT)
{12-2}
      If RESUL401(i) In 1,2 And (Q407_WRITE(i) = NotAppl Or (Q4081_SINHALA(i) =
NotAppl And
        Q4082_TAMIL(i) = NotAppl And Q4083_ENGLISH(i) = NotAppl And
Q4084_OTHER(i) = NotAppl)) Then
            write("(Sec-04.),'LRL=1,2 ==> Q406,Q407,Q408(Q407-
Q4084)<>Blank':,%02d,%02d,%02d,%02d,of LNO %02d."

      ,RESUL401(i),Q407_WRITE(i),Q4081_SINHALA(i),Q4082_TAMIL(i),NAME407(i));
            eFlag = 1;
      Endif;
{13-1}
```

```
      If Q406_LANGUAGE(i) = 4 And (Q4091_SINHALA(i) <> NotAppl Or Q4092_TAMIL(i)
<> NotAppl Or
         Q4093_ENGLISH(i) <> NotAppl Or Q4094_OTHER(i) <> NotAppl ) Then
            write("(Sec-04.),'Q406=4 ==> Q409,Q410,Q412(Q4091-
Q4094)=Blank':,%02d,%02d,%02d,%02d,of LNO %02d."

      ,Q406_LANGUAGE(i),Q4091_SINHALA(i),Q4092_TAMIL(i),Q4093_ENGLISH(i),Q4094_O
THER(i)
            ,NAME407(i));
            eFlag = 1;
      Endif;
{     If Q406_LANGUAGE(i) < 4 And (Q4091_SINHALA(i) = NotAppl or Q4092_TAMIL(i)
= NotAppl And
         Q4093_ENGLISH(i) = NotAppl ) Then
         {Q4093_ENGLISH(i) = NotAppl Or Q4094_OTHER(i) = NotAppl ) Then}
            write("(Sec-04.),'Q406<4 ==> Q409,Q410,Q412(Q4091-
Q4094)<>Blank':,%02d,%02d,%02d,%02d,%02d, of LNO %02d."

      ,Q406_LANGUAGE(i),Q4091_SINHALA(i),Q4092_TAMIL(i),Q4093_ENGLISH(i),Q4094_O
THER(i),NAME407(i));
            eFlag = 1;
      Endif;}
{13-2}
      If Q406_LANGUAGE(i) = 4 And (Q4101_SINHALA(i) <> NotAppl Or Q4102_TAMIL(i)
<> NotAppl Or
         Q4103_ENGLISH(i) <> NotAppl Or Q4104_OTHER(i) <> NotAppl ) Then
            write("(Sec-04.),'Q406=4 ==> Q409,Q410,Q412(Q4101-
Q4104)=Blank':,%02d,%02d,%02d,%02d,of LNO %02d."

      ,Q406_LANGUAGE(i),Q4101_SINHALA(i),Q4102_TAMIL(i),Q4103_ENGLISH(i),Q4104_O
THER(i)
            ,NAME407(i));
            eFlag = 1;
      Endif;
{     If Q406_LANGUAGE(i) < 4 And (Q4101_SINHALA(i) = NotAppl Or Q4102_TAMIL(i)
= NotAppl Or
         Q4103_ENGLISH(i) = NotAppl ) Then
         {Q4103_ENGLISH(i) = NotAppl Or Q4104_OTHER(i) = NotAppl ) Then}
            write("(Sec-04.),'Q406<4 ==> Q409,Q410,Q412(Q4101-
Q4104)<>Blank':,%02d,%02d,%02d,%02d,%02d, of LNO %02d."

      ,Q406_LANGUAGE(i),Q4101_SINHALA(i),Q4102_TAMIL(i),Q4103_ENGLISH(i),Q4104_O
THER(i),NAME407(i));
            eFlag = 1;
      Endif;}
enddo;
do varying j = 1 until j > totocc(REC7_EDT)
do varying i = 1 until i > totocc(REC8_EDT)
      If NAME401(j) = NAME407(i) And RESUL401(j) = 1 Then
      If Q406_LANGUAGE(i) < 4 And (Q4091_SINHALA(i) = NotAppl or Q4092_TAMIL(i)
= NotAppl And
         Q4093_ENGLISH(i) = NotAppl ) Then
         {Q4093_ENGLISH(i) = NotAppl Or Q4094_OTHER(i) = NotAppl ) Then}
            write("(Sec-04.),'Q406<4 ==> Q409,Q410,Q412(Q4091-
Q4094)<>Blank':,%02d,%02d,%02d,%02d,%02d, of LNO %02d."
```

```
            ,Q406_LANGUAGE(i),Q4091_SINHALA(i),Q4092_TAMIL(i),Q4093_ENGLISH(i),Q4094_O
THER(i),NAME407(i));
            eFlag = 1;
      Endif;
      If Q406_LANGUAGE(i) < 4 And (Q4101_SINHALA(i) = NotAppl Or Q4102_TAMIL(i)
= NotAppl Or
          Q4103_ENGLISH(i) = NotAppl ) Then
          {Q4103_ENGLISH(i) = NotAppl Or Q4104_OTHER(i) = NotAppl ) Then}
            write("(Sec-04.),'Q406<4 ==> Q409,Q410,Q412(Q4101-
Q4104)<>Blank':,%02d,%02d,%02d,%02d,%02d, of LNO %02d."

            ,Q406_LANGUAGE(i),Q4101_SINHALA(i),Q4102_TAMIL(i),Q4103_ENGLISH(i),Q4104_O
THER(i),NAME407(i));
            eFlag = 1;
      Endif;
      Endif;
enddo;
enddo;

PROC REC9_EDT
{----------------------Range Edits in Section-4 (REC9_EDT)--------------------
------------}
do varying i = 1 until i > totocc(REC9_EDT)
      {If NAME411(i) <> i Then
            write("(Sec.04).LNO Nos are not in order. : %02d.",NAME411(i));
            eFlag = 1;
      Endif;}
      If NOT NAME411(i) In 1:5 Then
            write("(Sec.04).Invalid LNO No. : %02d.",NAME411(i));
            eFlag = 1;
      Endif;
enddo;
do varying i = 1 until i > totocc(REC9_EDT)
      If NOT LINE411(i) In 1:40 Then
            write("(Sec.04).Invalid LLN No %02d, of LNO
%02d.",LINE411(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4111_SINHALA(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q411S).Invalid Code : %02d, of LNO
%02d.",Q4111_SINHALA(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4112_TAMIL(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q411T).Invalid Code : %02d, of LNO
%02d.",Q4112_TAMIL(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4113_ENGLISH(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q411E).Invalid Code : %02d, of LNO
%02d.",Q4113_ENGLISH(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4114_OTHER(i) In 1:3,9,NotAppl Then
            write("(Sec-04.Q411O).Invalid Code : %02d, of LNO
%02d.",Q4114_OTHER(i),NAME411(i));
```

```
            eFlag = 1;
      Endif;
      If Not Q4121_SIGN(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4121).Invalid Code : %02d, of LNO
%02d.",Q4121_SIGN(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4122_POSTERS(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4122).Invalid Code : %02d, of LNO
%02d.",Q4122_POSTERS(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4123_LETTERS(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4123).Invalid Code : %02d, of LNO
%02d.",Q4123_LETTERS(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4124_PAPERS(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4124).Invalid Code : %02d, of LNO
%02d.",Q4124_PAPERS(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4125_NOVELS(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4125).Invalid Code : %02d, of LNO
%02d.",Q4125_NOVELS(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4126_BOOKS(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4126).Invalid Code : %02d, of LNO
%02d.",Q4126_BOOKS(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4127_BILLS(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4127).Invalid Code : %02d, of LNO
%02d.",Q4127_BILLS(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4128_CHARTS(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4128).Invalid Code : %02d, of LNO
%02d.",Q4128_CHARTS(i),NAME411(i));
            eFlag = 1;
      Endif;
      If Not Q4129_OTHER(i) In 1:4,9,NotAppl Then
            write("(Sec-04.Q4129).Invalid Code : %02d, of LNO
%02d.",Q4129_OTHER(i),NAME411(i));
            eFlag = 1;
      Endif;
enddo;
{-----------------------Consistency Checks in Section-4 (REC9_EDT)-------------
------------}
{13-3}
do varying j = 1 until j > totocc(REC7_EDT)
      If Q406_LANGUAGE(j) = 4 Then
            do varying i = 1 until i > totocc(REC9_EDT)
                  If LINE401(j) = LINE411(i) Then
                        If (Q4121_SIGN(i) <> NotAppl Or Q4122_POSTERS(i) <>
NotAppl Or
```

```
                              Q4123_LETTERS(i) <> NotAppl Or Q4124_PAPERS(i) <>
NotAppl Or Q4125_NOVELS(i) <> NotAppl
                              Or Q4126_BOOKS(i) <> NotAppl Or Q4127_BILLS(i) <>
NotAppl Or Q4128_CHARTS(i) <> NotAppl
                              Or Q4129_OTHER(i) <> NotAppl) Then
                                 write("(Sec-04.),'Q406=4 ==>
Q409,Q410,Q412=Blank':,%2d,%2d,%2d,%2d,%2d,%2d,%d, of LNO %02d."

      ,Q406_LANGUAGE(i),Q4121_SIGN(i),Q4122_POSTERS(i),Q4123_LETTERS(i),Q4124_PA
PERS(i)
                                 ,Q4125_NOVELS(i),Q4126_BOOKS(i),NAME401(j));
                                 eFlag = 1;
                           Endif;
                     endif;
              enddo;
      elseif Q406_LANGUAGE(j) < 4 Then
            do varying i = 1 until i > totocc(REC9_EDT)
                  If LINE401(j) = LINE411(i) Then
                        If (Q4121_SIGN(i) = NotAppl Or Q4122_POSTERS(i) =
NotAppl Or
                           Q4123_LETTERS(i) = NotAppl Or Q4124_PAPERS(i) =
NotAppl Or Q4125_NOVELS(i) = NotAppl
                           Or Q4126_BOOKS(i) = NotAppl Or Q4127_BILLS(i) =
NotAppl Or Q4128_CHARTS(i) = NotAppl) Then
                           {Or Q4129_OTHER(i) = NotAppl) Then}
                              {write("(Sec-04.),'Q406<4 ==>
Q409,Q410,Q412<>Blank' ,of LNO %02d.",NAME407(i));}
                              write("(Sec-04.13.3),'Q406<4 ==>
Q409,Q410,Q412(Q4121-Q4129)<>Blank':,%2d,%2d,%2d,%2d,%2d,%2d,%2d,%2d,%2d,%2d, of
LNO %02d."

      ,Q406_LANGUAGE(i),Q4121_SIGN(i),Q4122_POSTERS(i),Q4123_LETTERS(i),Q4124_PA
PERS(i),Q4125_NOVELS(i),Q4126_BOOKS(i)

      ,Q4127_BILLS(i),Q4128_CHARTS(i),Q4129_OTHER(i),NAME401(j));
                                 eFlag = 1;
                           Endif;
                     endif;
              enddo;
      endif;
enddo;
{//comment
do varying j = 1 until j > totocc(REC7_EDT)
do varying i = 1 until i > totocc(REC9_EDT)
{13-3}
      If LINE401(j) = LINE411(i) Then
            If Q406_LANGUAGE(j) = 4 And (Q4121_SIGN(i) <> NotAppl Or
Q4122_POSTERS(i) <> NotAppl Or
                 Q4123_LETTERS(i) <> NotAppl Or Q4124_PAPERS(i) <> NotAppl Or
Q4125_NOVELS(i) <> NotAppl
                 Or Q4126_BOOKS(i) <> NotAppl Or Q4127_BILLS(i) <> NotAppl Or
Q4128_CHARTS(i) <> NotAppl
                 Or Q4129_OTHER(i) <> NotAppl) Then
                    write("(Sec-04.),'Q406=4 ==>
Q409,Q410,Q412=Blank':,%2d,%2d,%2d,%2d,%2d,%2d,%d, of LNO %02d."
```

```
        ,Q406_LANGUAGE(i),Q4121_SIGN(i),Q4122_POSTERS(i),Q4123_LETTERS(i),Q4124_PA
PERS(i)
                ,Q4125_NOVELS(i),Q4126_BOOKS(i),NAME401(j));
                eFlag = 1;
            Endif;
            If Q406_LANGUAGE(j) < 4 And (Q4121_SIGN(i) = NotAppl Or
Q4122_POSTERS(i) = NotAppl Or
                Q4123_LETTERS(i) = NotAppl Or Q4124_PAPERS(i) = NotAppl Or
Q4125_NOVELS(i) = NotAppl
                Or Q4126_BOOKS(i) = NotAppl Or Q4127_BILLS(i) = NotAppl Or
Q4128_CHARTS(i) = NotAppl) Then
                {Or Q4129_OTHER(i) = NotAppl) Then}
                {write("(Sec-04.),'Q406<4 ==> Q409,Q410,Q412<>Blank' ,of LNO
%02d.",NAME407(i));}
                write("(Sec-04.13.3),'Q406<4 ==> Q409,Q410,Q412(Q4121-
Q4129)<>Blank':,%2d,%2d,%2d,%2d,%2d,%2d,%2d,%2d,%2d,%2d, of LNO %02d."

    ,Q406_LANGUAGE(i),Q4121_SIGN(i),Q4122_POSTERS(i),Q4123_LETTERS(i),Q4124_PA
PERS(i),Q4125_NOVELS(i),Q4126_BOOKS(i)
                ,Q4127_BILLS(i),Q4128_CHARTS(i),Q4129_OTHER(i),NAME401(j));
                eFlag = 1;
            Endif;
        endif;
    enddo;
enddo;
}
{14-1}
do varying j = 1 until j > totocc(REC8_EDT)
    If Q407_WRITE(j) = 4 Then
        do varying i = 1 until i > totocc(REC9_EDT)
            If LINE407(j) = LINE411(i) Then
                If (Q4111_SINHALA(i) <> NotAppl Or Q4112_TAMIL(i) <>
NotAppl Or
                    Q4113_ENGLISH(i) <> NotAppl {Or Q4114_OTHER(i) <>
NotAppl} ) Then
                        write("(Sec-04.),'Q407=4 ==>
Q411,Q414=Blank'(Q4111-Q4114):,%02d,%02d,%02d,%02d,%02d, of LNO %02d."

    ,Q407_WRITE(j),Q4111_SINHALA(i),Q4112_TAMIL(i),Q4113_ENGLISH(i),Q4114_OTHE
R(i),NAME411(i));
                        eFlag = 1;
                    Endif;
                endif;
            enddo;
    elseif Q407_WRITE(j) < 4 Then
        do varying i = 1 until i > totocc(REC9_EDT)
            If LINE407(j) = LINE411(i) Then
                If (Q4111_SINHALA(i) = NotAppl Or Q4112_TAMIL(i) =
NotAppl Or
                    Q4113_ENGLISH(i) = NotAppl {Or Q4114_OTHER(i) =
NotAppl}) Then
                        {write("(Sec-04.),'Q407<4 ==> Q411,Q414<>Blank'
,of LNO %02d." ,NAME411(i));}
                        write("(Sec-04.),'Q407<4 ==>
Q411,Q414<>Blank'(Q4111-Q4114):,%02d,%02d,%02d,%02d,%02d, of LNO %02d."
```

```
        ,Q407_WRITE(j),Q4111_SINHALA(i),Q4112_TAMIL(i),Q4113_ENGLISH(i),Q4114_OTHE
R(i),NAME411(i));
                                eFlag = 1;
                        Endif;
                Endif;
            enddo;
        endif;
enddo;




PROC REC10_EDT
{----------------------Range Edits in Section-4 (REC10_EDT)------------------
-------------}
do varying i = 1 until i > totocc(REC10_EDT)
        {If NAME413(i) <> i Then
                write("(Sec.04).LNO Nos are not in order. : %02d.",NAME413(i));
                eFlag = 1;
        Endif;}
        If NOT NAME413(i) In 1:5 Then
                write("(Sec.04).Invalid LNO No. : %02d.",NAME413(i));
                eFlag = 1;
        Endif;
enddo;
do varying i = 1 until i > totocc(REC10_EDT)
        If NOT LINE413(i) In 1:40 Then
                write("(Sec.04).Invalid LLN No %02d, of LNO
%02d.",LINE413(i),NAME413(i));
                eFlag = 1;
        Endif;
        If Not Q413_LIBRARY(i) In 1:5, NotAppl Then
                write("(Sec-04.Q4131).Invalid Code : %02d, of LNO
%02d.",Q413_LIBRARY(i),NAME413(i));
                eFlag = 1;
        Endif;
        If Not Q4132_STALLS(i) In 1:5, NotAppl Then
                write("(Sec-04.Q4132).Invalid Code : %02d, of LNO
%02d.",Q4132_STALLS(i),NAME413(i));
                eFlag = 1;
        Endif;
        If Not Q4133_FRIENDS(i) In 1:5, NotAppl Then
                write("(Sec-04.Q4133).Invalid Code : %02d, of LNO
%02d.",Q4133_FRIENDS(i),NAME413(i));
                eFlag = 1;
        Endif;
        If Not Q4134_COM_CENTER(i) In 1:5, NotAppl Then
                write("(Sec-04.Q4134).Invalid Code : %02d, of LNO
%02d.",Q4134_COM_CENTER(i),NAME413(i));
                eFlag = 1;
        Endif;
        If Not Q4135_OTHER(i) In 1:5, NotAppl Then
                write("(Sec-04.Q4135).Invalid Code : %02d, of LNO
%02d.",Q4135_OTHER(i),NAME413(i));
                eFlag = 1;
        Endif;
        If Not Q4141_MESSAGES(i) In 1:4,9, NotAppl Then
```

```
            write("(Sec-04.Q4141).Invalid Code : %02d, of LNO
%02d.",Q4141_MESSAGES(i),NAME413(i));
            eFlag = 1;
      Endif;
      If Not Q4142_OFFICIAL(i) In 1:4,9, NotAppl Then
            write("(Sec-04.Q4142).Invalid Code : %02d, of LNO
%02d.",Q4142_OFFICIAL(i),NAME413(i));
            eFlag = 1;
      Endif;
      If Not Q4143_FORMS(i) In 1:4,9, NotAppl Then
            write("(Sec-04.Q4143).Invalid Code : %02d, of LNO
%02d.",Q4143_FORMS(i),NAME413(i));
            eFlag = 1;
      Endif;
      If Not Q4144_REPORTS(i) In 1:4,9, NotAppl Then
            write("(Sec-04.Q4144).Invalid Code : %02d, of LNO
%02d.",Q4144_REPORTS(i),NAME413(i));
            eFlag = 1;
      Endif;
      If Not Q4145_BILLS(i) In 1:4,9, NotAppl Then
            write("(Sec-04.Q4145).Invalid Code : %02d, of LNO
%02d.",Q4145_BILLS(i),NAME413(i));
            eFlag = 1;
      Endif;
      If Not Q4146_CHARTS(i) In 1:4,9, NotAppl Then
            write("(Sec-04.Q4146).Invalid Code : %02d, of LNO
%02d.",Q4146_CHARTS(i),NAME413(i));
            eFlag = 1;
      Endif;
      If Not Q4147_OTHER(i) In 1:4,9, NotAppl Then
            write("(Sec-04.Q4147).Invalid Code : %02d, of LNO
%02d.",Q4147_OTHER(i),NAME413(i));
            eFlag = 1;
      Endif;
enddo;
{-----------------------Consistency Checks in Section-4 (REC10_EDT)------------
-------------}
{14.1}
do varying j = 1 until j > totocc(REC8_EDT)
      If Q407_WRITE(j) = 4 Then
            do varying i = 1 until i > totocc(REC10_EDT)
                  If LINE407(j) = LINE413(i) Then
                        If (Q4141_MESSAGES(i) <> NotAppl Or Q4142_OFFICIAL(i) <>
NotAppl Or
                           Q4143_FORMS(i) <> NotAppl Or Q4144_REPORTS(i) <>
NotAppl Or Q4145_BILLS(i) <> NotAppl or
                           Q4146_CHARTS(i) <> NotAppl {Or Q4147_OTHER(i) =
NotAppl}) Then
                              write("(Sec-04),'Q407=4 ==> Q411,Q414(Q4141-
Q4147)=Blank':,%2d,%2d,%2d,%2d,%2d,%2d,%2d,%2d, of LNO %02d."

      ,Q407_WRITE(i),Q4141_MESSAGES(i),Q4142_OFFICIAL(i),Q4143_FORMS(i),Q4144_RE
PORTS(i)

      ,Q4145_BILLS(i),Q4146_CHARTS(i),Q4147_OTHER(i),NAME413(i));
                              eFlag = 1;
                        Endif;
```

```
                        Endif;
                enddo;
        elseif Q407_WRITE(j) < 4 Then
                do varying i = 1 until i > totocc(REC10_EDT)
                        If LINE407(j) = LINE413(i) Then
                                If (Q4141_MESSAGES(i) = NotAppl Or Q4142_OFFICIAL(i) =
NotAppl Or
                                   Q4143_FORMS(i) = NotAppl Or Q4144_REPORTS(i) =
NotAppl Or Q4145_BILLS(i) = NotAppl Or
                                   Q4146_CHARTS(i) = NotAppl {Or Q4147_OTHERS(i) =
NotAppl}) Then
                                        write("(Sec-04),'Q407<4 ==> Q411,Q414(Q4141-
Q4147)<>Blank':,%2d,%2d,%2d,%2d,%2d,%2d,%2d,of LNO %02d."

        ,Q407_WRITE(i),Q4141_MESSAGES(i),Q4142_OFFICIAL(i),Q4143_FORMS(i),Q4144_RE
PORTS(i)
                                           ,Q4145_BILLS(i),Q4146_CHARTS(i),NAME413(i));
                                        eFlag = 1;
                                Endif;
                        Endif;
                Enddo;
        Endif;
enddo;
do varying i = 1 until i > totocc(REC9_EDT)
{15}
        If Q4124_PAPERS(i) In 1,3 Then
                do varying j = 1 until j > totocc(REC10_EDT)
                        If NAME411(i)=NAME413(j) Then
                        If (Q413_LIBRARY(j) = NotAppl And Q4132_STALLS(j) = NotAppl
And Q4133_FRIENDS(j) = NotAppl And
                        Q4134_COM_CENTER(j) = NotAppl And Q4135_OTHER(j) = NotAppl )
Then
                                {write("(Sec-04),'Q4124=1 or 2 or 3 ==> at least
Q4131:Q4135 should be filled' ,of LNO %02d."
                                ,NAME411(i));}
                                write("(Sec-04),'Q4124=1 or 2 or 3 ==> at least
Q4131:Q4135 should be filled':,%2d,%2d,%2d,%2d,%2d,%2d, of LNO %02d."

        ,Q4124_PAPERS(i),Q413_LIBRARY(j),Q4132_STALLS(j),Q4133_FRIENDS(j),Q4134_CO
M_CENTER(j),Q4135_OTHER(j)
                                ,NAME411(i));
                                eFlag = 1;
                        Endif;
                        Endif;
                enddo;
        Endif;
{16}
        If Q4125_NOVELS(i) In 1,3 Then
                do varying j = 1 until j > totocc(REC10_EDT)
                        If NAME411(i)=NAME413(j) Then
                        If (Q413_LIBRARY(j) = NotAppl And Q4132_STALLS(j) = NotAppl
And Q4133_FRIENDS(j) = NotAppl And
                        Q4134_COM_CENTER(j) = NotAppl And Q4135_OTHER(j) = NotAppl )
Then
                                {write("(Sec-04),'Q4125=1 or 2 or 3 ==> at least
Q4131:Q4135 should be filled' of LNO %02d."
                                ,NAME411(i));}
```

```
                           write("(Sec-04),'Q4125=1 or 2 or 3 ==> at least
Q4131:Q4135 should be filled':,%2d,%2d,%2d,%2d,%2d,%2d, of LNO %02d."

       ,Q4125_NOVELS(i),Q413_LIBRARY(j),Q4132_STALLS(j),Q4133_FRIENDS(j),Q4134_CO
M_CENTER(j),Q4135_OTHER(j)
                           ,NAME411(i));
                           eFlag = 1;
                     Endif;
                     Endif;
              enddo;
      Endif;
{17}
      If Q4126_BOOKS(i) In 1,3 Then
             do varying j = 1 until j > totocc(REC10_EDT)
                    If NAME411(i)=NAME413(j) Then
                    If (Q413_LIBRARY(j) = NotAppl And Q4132_STALLS(j) = NotAppl
And Q4133_FRIENDS(j) = NotAppl And
                     Q4134_COM_CENTER(j) = NotAppl And Q4135_OTHER(j) = NotAppl )
Then
                           {write("(Sec-04),'Q4126=1 or 2 or 3 ==> at least
Q4131:Q4135 should be filled' ,of LNO %02d."
                           ,NAME411(i));}
                           write("(Sec-04),'Q4126=1 or 2 or 3 ==> at least
Q4131:Q4135 should be filled':,%2d,%2d,%2d,%2d,%2d,%2d, of LNO %02d."

      ,Q4126_BOOKS(i),Q413_LIBRARY(j),Q4132_STALLS(j),Q4133_FRIENDS(j),Q4134_COM
_CENTER(j),Q4135_OTHER(j)
                           ,NAME411(i));
                           eFlag = 1;
                     Endif;
                     Endif;
              enddo;
      Endif;
{18}
      If Q4124_PAPERS(i) = 4 And Q4125_NOVELS(i) = 4 And Q4126_BOOKS(i) = 4 Then
             do varying j = 1 until j > totocc(REC10_EDT)
                    If NAME411(i)=NAME413(j) Then
                    If  (Q413_LIBRARY(j) <> NotAppl Or Q4132_STALLS(j) <> NotAppl
Or Q4133_FRIENDS(j) <> NotAppl Or
                     Q4134_COM_CENTER(j) <> NotAppl Or Q4135_OTHER(j) <>
NotAppl) Then
                           write("(Sec-04),'Q4124 And Q4125 And Q4126=4 ==>
Q4131:Q4135=Blank':,%2d,%2d,%2d,%2d,%2d,%2d,%2d,%2d,of LNO %02d."

      ,Q4124_PAPERS(i),Q4124_PAPERS(i),Q4126_BOOKS(i),Q413_LIBRARY(j),Q4132_STAL
LS(j),Q4133_FRIENDS(j)
                           ,Q4134_COM_CENTER(j),Q4135_OTHER(j),NAME411(i));
                           eFlag = 1;
                     Endif;
                     Endif;
              enddo;
      Endif;
enddo;
PROC REC11_EDT
{----------------------Range Edits in Section-5 (REC11_EDT)-------------------
------------}
do varying i = 1 until i > totocc(REC11_EDT)
```

```
      {If NAME501(i) <> i Then
            write("(Sec.05).TNO Nos are not in order. : %02d.",NAME501(i));
            eFlag = 1;
      Endif;}
      If NOT NAME501(i) In 1:5 Then
            write("(Sec.05).Invalid TNO No. : %02d.",NAME501(i));
            eFlag = 1;
      Endif;
enddo;
Do varying i = 1 until i > totocc(REC11_EDT)
      If NOT LINE501(i) In 1:40 Then
            write("(Sec.05).Invalid TLN No %02d, of TNO
%02d.",LINE501(i),NAME501(i));
            eFlag = 1;
      Endif;
      If NOT RESULT501(i) In 1:4,8 Then
            write("(Sec.05).Invalid TRL %02d, of TNO %02d."
,RESULT501(i),NAME501(i));
            eFlag = 1;
      Endif;
      If Not Q5011_EMPLOY(i) In 1:6, NotAppl Then
            write("(Sec-05.Q5011).Invalid Code : %02d, of TNO
%02d.",Q5011_EMPLOY(i),NAME501(i));
            eFlag = 1;
      Endif;
      If Not Q5012_EDU(i) In 1:6, NotAppl Then
            write("(Sec-05.Q5012).Invalid Code : %02d, of TNO
%02d.",Q5012_EDU(i),NAME501(i));
            eFlag = 1;
      Endif;
      If Not Q502_DURATION(i) In 1:4,9, NotAppl Then
            write("(Sec-05.Q502).Invalid Code : %02d, of TNO
%02d.",Q502_DURATION(i),NAME501(i));
            eFlag = 1;
      Endif;
      If Not Q503_QUALIFY(i) In 1:4,9, NotAppl Then
            write("(Sec-05.Q503).Invalid Code : %02d, of TNO
%02d.",Q503_QUALIFY(i),NAME501(i));
            eFlag = 1;
      Endif;
      If Not Q504_TEST(i) In 1:4,9, NotAppl Then
            write("(Sec-05.Q504).Invalid Code : %02d, of TNO
%02d.",Q504_TEST(i),NAME501(i));
            eFlag = 1;
      Endif;
      If Not Q505_CERTFICATE(i) In 1:4,9, NotAppl Then
            write("(Sec-05.Q505).Invalid Code : %02d, of TNO
%02d.",Q505_CERTFICATE(i),NAME501(i));
            eFlag = 1;
      Endif;
Enddo;
{-----------------------Consistency Checks in Section-5 (REC11_EDT)------------
------------}
{01}
Do varying i = 1 until i > totocc(REC7_EDT)
If Q401_ATT_SCH(i) In 2:3 Then
      do varying j = 1 until j > totocc(REC11_EDT)
```

```
            If LINE401(i) = LINE501(j) And NAME501(j) = NotAppl Then
                    write("(Sec-05.).'Q401(Sec 4)=2 or 3 for given person ==>
TNO<>Blank':%d,%02d, of TNO %02d,"
                        ,Q401_ATT_SCH(i),LINE501(j),NAME501(j));
                    eFlag = 1;
            Endif;
        enddo;
Endif;
enddo;
Do varying i = 1 until i > totocc(REC7_EDT)
If Q401_ATT_SCH(i) = 1 Then
        do varying j = 1 until j > totocc(REC11_EDT)
            If LINE401(i) = LINE501(j) And NAME501(j) <> NotAppl Then
                    write("(Sec-05.).'Q401(Sec 4)=1 for given person ==>
TNO=Blank':%02d,%02d, of TNO %02d,"
                        ,Q401_ATT_SCH(i),LINE501(j),NAME501(j));
                    eFlag = 1;
            Endif;
        enddo;
Endif;
enddo;
{02}
do varying i = 1 until i > totocc(REC11_EDT)
        If LINE501(i) <> NotAppl And Not RESULT501(i) In 1:4,8 Then
                write("(Sec-05.).'TLN is filled ==> TRl=1:4',%02d,%02d, of TNO
%02d,"
                    ,LINE501(i),RESULT501(i),NAME501(i));
                eFlag = 1;
        Endif;
enddo;
{03}
Ptot=0;Wtot=0;
Ptot = count(REC7_EDT where Q401_ATT_SCH In 2:3);
Wtot = count(REC11_EDT where NAME501 > 0);
If Ptot <> Wtot Then
        write("(Sec-05).'No.of Persons[Q401=2 or 3] <> No.of Columns of
TNO'.%02d,%02d"
        ,Ptot,Wtot);
        eFlag = 1;
Endif;
{04}
do varying i = 1 until i > totocc(REC11_EDT)
        If (Q5011_EMPLOY(i) In 1,4:6 Or Q5012_EDU(i) In 1,4:6) And
(Q502_DURATION(i) <> NotAppl Or
            Q503_QUALIFY(i) <> NotAppl Or Q504_TEST(i) <> NotAppl Or
Q505_CERTFICATE(i) <> NotAppl) Then
                write("(Sec-05).'Q5011 or Q5012 = 1,4:6 ==>
Q502:Q505=Blank':%2d,%2d,%2d,%2d,%2d,%2d, of TNO %02d,"

,Q5011_EMPLOY(i),Q5012_EDU(i),Q502_DURATION(i),Q503_QUALIFY(i),Q504_TEST(i)
                    ,Q505_CERTFICATE(i),NAME501(i));
                eFlag = 1;
        Endif;
enddo;

{04-2}
do varying i = 1 until i > totocc(REC11_EDT)
```

```
      If ((Q5011_EMPLOY(i) In 2:3 Or Q5012_EDU(i) In 2:3) Or (Q5011_EMPLOY(i) =
1 And Q5012_EDU(i) = 2) Or
        (Q5011_EMPLOY(i) = 1 And Q5012_EDU(i) = 3)) And (Q502_DURATION(i) =
NotAppl Or
          Q503_QUALIFY(i) = NotAppl Or Q504_TEST(i) = NotAppl ) Then
            write("(Sec-05).'Q5011 or Q5012 = 2 or 3 or (1 and 2) or (1 and 3)
==> Q502:Q504<>Blank':%2d,%2d,%2d,%2d,%2d, of TNO %02d,"

,Q5011_EMPLOY(i),Q5012_EDU(i),Q502_DURATION(i),Q503_QUALIFY(i),Q504_TEST(i),NAME
501(i));
            eFlag = 1;
      Endif;
enddo;


{{04-21}
do varying i = 1 until i > totocc(REC11_EDT)
      If (Q5011_EMPLOY(i) In 2:3 Or Q5012_EDU(i) In 2:3) And (Q502_DURATION(i) =
NotAppl Or
        Q503_QUALIFY(i) = NotAppl Or Q504_TEST(i) = NotAppl ) Then
            {write("(Sec-05).'Q5011 or Q5012 = 2 or 3 ==> Q502:Q504<>Blank', of
TNO %02d,"
                  ,NAME501(i));}
            write("(Sec-05).'Q5011 or Q5012 = 2 or 3 ==>
Q502:Q504<>Blank':%2d,%2d,%2d,%2d,%2d, of TNO %02d,"

,Q5011_EMPLOY(i),Q5012_EDU(i),Q502_DURATION(i),Q503_QUALIFY(i),Q504_TEST(i),NAME
501(i));
            eFlag = 1;
      Endif;
enddo;
{04-22}
do varying i = 1 until i > totocc(REC11_EDT)
      If (Q5011_EMPLOY(i) = 1 And Q5012_EDU(i) = 2) And (Q502_DURATION(i) =
NotAppl Or
        Q503_QUALIFY(i) = NotAppl Or Q504_TEST(i) = NotAppl ) Then
            {write("(Sec-05).'Q5011 or Q5012 = 1 and 2 ==> Q502:Q504<>Blank', of
TNO %02d,"
                  ,NAME501(i));}
            write("(Sec-05).'Q5011 or Q5012 = 1 and 2 ==>
Q502:Q504<>Blank':%2d,%2d,%2d,%2d,%2d, of TNO %02d,"

,Q5011_EMPLOY(i),Q5012_EDU(i),Q502_DURATION(i),Q503_QUALIFY(i),Q504_TEST(i),NAME
501(i));
            eFlag = 1;
      Endif;
enddo;
{04-23}
do varying i = 1 until i > totocc(REC11_EDT)
      If (Q5011_EMPLOY(i) = 1 And Q5012_EDU(i) = 3) And (Q502_DURATION(i) =
NotAppl Or
        Q503_QUALIFY(i) = NotAppl Or Q504_TEST(i) = NotAppl ) Then
            {write("(Sec-05.).'Q5011 or Q5012 = 1 and 3 ==> Q502:Q504<>Blank',
of TNO %02d,"
                  ,NAME501(i));}
            write("(Sec-05.).'Q5011 or Q5012 = 1 and 3 ==>
Q502:Q504<>Blank':%2d,%2d,%2d,%2d,%2d, of TNO %02d,"
```

```
,Q5011_EMPLOY(i),Q5012_EDU(i),Q502_DURATION(i),Q503_QUALIFY(i),Q504_TEST(i),NAME
501(i));
            eFlag = 1;
      Endif;
enddo;
}
{05}
do varying i = 1 until i > totocc(REC11_EDT)
      If Q504_TEST(i) = 2 And Q505_CERTFICATE(i) <> NotAppl Then
            {write("(Sec-05.).'Q504=2 ==> Q505=Blank', of TNO %02d,"
,NAME501(i));}
            write("(Sec-05.).'Q504=2 ==> Q505=Blank':%02d,%02d, of TNO %02d,"
                  ,Q504_TEST(i),Q505_CERTFICATE(i),NAME501(i));
            eFlag = 1;
      Endif;
      If Q504_TEST(i) = 1 And Q505_CERTFICATE(i) = NotAppl Then
            {write("(Sec-05.).'Q504=1 ==> Q505<>Blank', of TNO %02d,"
,NAME501(i));}
            write("(Sec-05.).'Q504=1 ==> Q505<>Blank':%02d,%02d, of TNO %02d,"
                  ,Q504_TEST(i),Q505_CERTFICATE(i),NAME501(i));
            eFlag = 1;
      Endif;
enddo;
{06}
do varying i = 1 until i > totocc(REC11_EDT)
      If Q5011_EMPLOY(i) = 2 And Q5012_EDU(i) = 3 Then
            {write("(Sec-05.).'Q5011=2 ==> Q5012<>3', of TNO %02d,"
,NAME501(i));}
            write("(Sec-05.).'Q5011=2 ==> Q5012<>3':%02d,%02d, of TNO %02d,"
                  ,Q5011_EMPLOY(i),Q5012_EDU(i),NAME501(i));
            eFlag = 1;
      Endif;
      If Q5012_EDU(i) = 3 And Q5011_EMPLOY(i) = 2 Then
{           write("(Sec-05.).'Q5012=3 ==> Q5011<>2', of TNO %02d,"
,NAME501(i));}
            write("(Sec-05.).'Q5012=3 ==> Q5011<>2':%02d,%02d, of TNO %02d,"
                  ,Q5012_EDU(i),Q5011_EMPLOY(i),NAME501(i));
            eFlag = 1;
      Endif;
enddo;
PROC REC12_EDT
{-----------------------Range Edits in Section-6 (REC12_EDT)-------------------
------------}
do varying i = 1 until i > totocc(REC12_EDT)
      {If NAME601(i) <> i Then
            write("(Sec.06).ADNO Nos are not in order. : %02d.",NAME601(i));
            eFlag = 1;
      Endif;}
      If NOT NAME601(i) In 1:5 Then
            write("(Sec.06).Invalid ADNO No. : %02d.",NAME601(i));
            eFlag = 1;
      Endif;
enddo;
Do varying i = 1 until i > totocc(REC12_EDT)
      If NOT LINE601(i) In 1:40 Then
```

```
                write("(Sec.06).Invalid ADLN No %02d, of ADNO
%02d.",LINE601(i),NAME601(i));
                eFlag = 1;
        Endif;
        If NOT RESULT601(i) In 1:3,8 Then
                write("(Sec.06).Invalid ADRL %02d, of ADNO
%02d.",RESULT601(i),NAME601(i));
                eFlag = 1;
        Endif;
        If RESULT601(i) = 1 And Not Q601_KNOWN(i) In 1:2,9 Then
                write("(Sec-06.Q601).Invalid Code : %02d, of ADNO
%02d.",Q601_KNOWN(i),NAME601(i));
                eFlag = 1;
        Endif;
        If Not Q602_VENDOR(i) In 1:3,9,NotAppl Then
                write("(Sec-06.Q602).Invalid Code : %02d, of ADNO
%02d.",Q602_VENDOR(i),NAME601(i));
                eFlag = 1;
        Endif;
        If Not Q603_FAMILY(i) In 1:3,9,NotAppl Then
                write("(Sec-06.Q603).Invalid Code : %02d, of ADNO
%02d.",Q603_FAMILY(i),NAME601(i));
                eFlag = 1;
        Endif;
        If Not Q604_TEACHER(i) In 1:3,9,NotAppl Then
                write("(Sec-06.Q604).Invalid Code : %02d, of ADNO
%02d.",Q604_TEACHER(i),NAME601(i));
                eFlag = 1;
        Endif;
enddo;

{-----------------------Consistency Checks in Section-6 (REC12_EDT)------------
------------}
{01}
Do varying i = 1 until i > totocc(REC7_EDT)
If NAME401(i) <> NotAppl Then
     do varying j = 1 until j > totocc(REC12_EDT)
          If LINE401(i) = LINE601(j) And NAME601(j) = NotAppl Then
                {write("(Sec-06.).'LNO(in Sec-4)<>blank ==> ADNO<>Blank', of
ADNO %02d,"
                       ,NAME601(j));}
                write("(Sec-06.).'LNO(in Sec-4)<>blank ==>
ADNO<>Blank':%02d,%02d of ADNO %02d,"
                       ,NAME401(i),LINE601(j),NAME601(j));
                eFlag = 1;
          Endif;
     enddo;
Endif;
enddo;
Do varying i = 1 until i > totocc(REC7_EDT)
If NAME401(i) = NotAppl Then
     do varying j = 1 until j > totocc(REC12_EDT)
          If LINE401(i) = LINE601(j) And NAME601(j) <> NotAppl Then
                {write("(Sec-06.).'LNO(in Sec-4)=blank ==> ADNO=Blank', of
ADNO %02d,"
                       ,NAME601(j));}
```

```
                        write("(Sec-06.).'LNO(in Sec-4)=blank ==>
ADNO=Blank':%02d,%02d of ADNO %02d,"
                            ,NAME401(i),LINE601(j),NAME601(j));
                    eFlag = 1;
                Endif;
        enddo;
Endif;
enddo;
{02}
Ptot=0;Wtot=0;
Ptot = count(REC7_EDT);
Wtot = count(REC12_EDT);
If Ptot <> Wtot Then
        write("(Sec-06).'No.of Persons in ADNO = No.of Persons in LNO'.%02d,%02d"
        ,Wtot,Ptot);
        eFlag = 1;
Endif;
{03}
Do varying i = 1 until i > totocc(REC7_EDT)
        do varying j = 1 until j > totocc(REC12_EDT)
        If NAME401(i) = NAME601(j) Then
                If LINE401(i) <> LINE601(j) Then
                {If LINE401(i) <> NAME601(j) Then}
                    write("(Sec-06.03).'Check ADLN Number with LLN
Number'.%02d,%02d,"
                    ,LINE401(i),LINE601(j));
                    eFlag = 1;
                Endif;
        Endif;
        enddo;
enddo;
{04}
do varying i = 1 until i > totocc(REC12_EDT)
        If NAME601(i) <> NotAppl And Not RESULT601(i) In 1:3,8 Then
                write("(Sec-06).'ADNO<>Blank ==> ADRL=1:3,8',%02d, of ADNO
%02d.",RESULT601(i),NAME601(i));
                eFlag = 1;
        Endif;
enddo;
PROC REC13_EDT
{-----------------------Range Edits in Section-6 (REC13_EDT)-------------------
------------}
do varying i = 1 until i > totocc(REC13_EDT)
        {If NAME605(i) <> i Then
                write("(Sec.06).ADNO Nos are not in order. : %02d.",NAME605(i));
                eFlag = 1;
        Endif;}
        If NOT NAME605(i) In 1:5 Then
                write("(Sec.06).Invalid ADNO No. : %02d.",NAME605(i));
                eFlag = 1;
        Endif;
enddo;
do varying i = 1 until i > totocc(REC13_EDT)
        If NOT LINE605(i) In 1:40 Then
                write("(Sec.06).Invalid ADLN No %02d, of ADNO
%02d.",LINE605(i),NAME605(i));
                eFlag = 1;
```

```
        Endif;
        If NOT Q605_SHAME(i) In 1:3,9,NotAppl Then
                write("(Sec-06.Q605).Invalid Code : %02d, of ADNO
%02d.",Q605_SHAME(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q606_INFECT(i) In 1:3,9,NotAppl Then
                write("(Sec-06.Q606).Invalid Code : %02d, of ADNO
%02d.",Q606_INFECT(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q607_TRANSMIT(i) In 1:3,9,NotAppl Then
                write("(Sec-06.Q607).Invalid Code : %02d, of ADNO
%02d.",Q607_TRANSMIT(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6081_LIVE(i) In 1:13,NotAppl Then
                write("(Sec-06.Q6081).Invalid Code : %02d, of ADNO
%02d.",Q6081_LIVE(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6082_SEX(i) In 1:13,NotAppl Then
                write("(Sec-06.Q6082).Invalid Code : %02d, of ADNO
%02d.",Q6082_SEX(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6083_BLOOD(i) In 1:13,NotAppl Then
                write("(Sec-06.Q6083).Invalid Code : %02d, of ADNO
%02d.",Q6083_BLOOD(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6084_MOSQUITO(i) In 1:13,NotAppl Then
                write("(Sec-06.Q6084).Invalid Code : %02d, of ADNO
%02d.",Q6084_MOSQUITO(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6085_HOMO(i) In 1:13,NotAppl Then
                write("(Sec-06.Q6085).Invalid Code : %02d, of ADNO
%02d.",Q6085_HOMO(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6086_KISS(i) In 1:13,NotAppl Then
                write("(Sec-06.Q6086).Invalid Code : %02d, of ADNO
%02d.",Q6086_KISS(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6087_SYRING(i) In 1:13,NotAppl Then
                write("(Sec-06.Q6087).Invalid Code : %02d, of ADNO
%02d.",Q6087_SYRING(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6088_TOWELS(i) In 1:13,NotAppl Then
                write("(Sec-06.Q6088).Invalid Code : %02d, of ADNO
%02d.",Q6088_TOWELS(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q6089_TOILET(i) In 1:13,NotAppl Then
```

```
                write("(Sec-06.Q6089).Invalid Code : %02d, of ADNO
%02d.",Q6089_TOILET(i),NAME605(i));
                eFlag = 1;
        Endif;
        If NOT Q60810_RAZOR(i) In 1:13,NotAppl Then
                write("(Sec-06.Q60810).Invalid Code : %02d, of ADNO
%02d.",Q60810_RAZOR(i),NAME605(i));
                eFlag = 1;
        Endif;
enddo;
{-----------------------Consistency Checks in Section-6 (REC13_EDT)------------
------------}
{05.1}
Do varying i = 1 until i > totocc(REC12_EDT)
If Q601_KNOWN(i) = 2 Then
        If Q602_VENDOR(i) <> NotAppl Or Q603_FAMILY(i) <> NotAppl Or
Q604_TEACHER(i) <> NotAppl Then
                {write("(Sec-06).'Q601=2 ==> Q602:Q612=Blank', of ADNO %02d,"
                        ,NAME601(i));}
                write("(Sec-06).'Q601=2 ==> Q602:Q612(Q602-
Q604)=Blank':%02d,%02d,%02d,%02d of ADNO %02d,"

,Q601_KNOWN(i),Q602_VENDOR(i),Q603_FAMILY(i),Q604_TEACHER(i),NAME601(i));
                Ltag0 = 1;
        Endif;
        If Ltag0 = 0 Then
        do varying j = 1 until j > totocc(REC13_EDT)
                If NAME601(i)=NAME605(j) Then
                If Q605_SHAME(j)<>NotAppl Or Q606_INFECT(j)<>NotAppl Or
Q607_TRANSMIT(j)<>NotAppl Or
                    (Q6081_LIVE(j)<>NotAppl And Q6082_SEX(j)<>NotAppl And
Q6083_BLOOD(j)<>NotAppl And
                    Q6084_MOSQUITO(j)<>NotAppl And Q6085_HOMO(j)<>NotAppl And
Q6086_KISS(j)<>NotAppl And
                    Q6087_SYRING(j)<>NotAppl And Q6088_TOWELS(j)<>NotAppl And
Q6089_TOILET(j)<>NotAppl And
                    Q60810_RAZOR(j)<>NotAppl) Then
                    {write("(Sec-06).'Q601=2 ==> Q602:Q612=Blank', of ADNO %02d,"
                            ,NAME605(j));}
                        write("(Sec-06).'Q601=2 ==> Q602:Q612(Q605-
Q60810)=Blank':%02d,%02d,%02d,%02d,%02d, of ADNO %02d,"

,Q601_KNOWN(i),Q605_SHAME(j),Q606_INFECT(j),Q607_TRANSMIT(j),Q6081_LIVE(j),NAME6
05(j));
                        eFlag = 1;
                Endif;
                Endif;
        enddo;
        Endif;
Endif;
enddo;
{05.2}
Do varying i = 1 until i > totocc(REC12_EDT)
If Q601_KNOWN(i) = 1 Then
        If Q602_VENDOR(i) = NotAppl Or Q603_FAMILY(i) = NotAppl Or Q604_TEACHER(i)
= NotAppl Then
```

```
            {write("(Sec-06).'.Q601=1 ==> Q602:Q612<>Blank', of ADNO %02d "
,NAME601(i));}
            write("(Sec-06).'Q601=1 ==> Q602:Q612(Q602-
Q604)<>Blank':%02d,%02d,%02d,%02d of ADNO %02d,"

,Q601_KNOWN(i),Q602_VENDOR(i),Q603_FAMILY(i),Q604_TEACHER(i),NAME601(i));
            Ltag1 = 1;
      Endif;
      If Ltag1 = 0 Then
      do varying j = 1 until j > totocc(REC13_EDT)
            If NAME601(i)=NAME605(j) Then
            If (NAME601(i) = NAME605(j)) And (Q605_SHAME(j)=NotAppl Or
Q606_INFECT(j)=NotAppl Or
               Q607_TRANSMIT(j)=NotAppl Or (Q6081_LIVE(j)=NotAppl And
Q6082_SEX(j)=NotAppl And
               Q6083_BLOOD(j)=NotAppl And Q6084_MOSQUITO(j)=NotAppl And
Q6085_HOMO(j)=NotAppl And
               Q6086_KISS(j)=NotAppl And Q6087_SYRING(j)=NotAppl And
Q6088_TOWELS(j)=NotAppl And
               Q6089_TOILET(j)=NotAppl And Q60810_RAZOR(j)=NotAppl)) Then
                  write("(Sec-06).'Q601=1 ==> Q602:Q612(Q605-
Q608)<>Blank':%02d,%02d,%02d,%02d,%02d, of ADNO %02d,"

,Q601_KNOWN(i),Q605_SHAME(j),Q606_INFECT(j),Q607_TRANSMIT(j),Q6081_LIVE(j),NAME6
05(j));
                  Ltag1 = 1;
                  eFlag = 1;
            Endif;
            endif;
      enddo;
      Endif;
Endif;
Enddo;
                  {write("(Sec-06).'Q601=1 ==> Q602:Q612<>Blank', of ADNO %02d
",NAME605(j));}
PROC REC14_EDT
{----------------------Range Edits in Section-6 (REC14_EDT)-------------------
---------}
do varying i = 1 until i > totocc(REC14_EDT)
      {If NAME609(i) <> i Then
            write("(Sec.06).ADNO Nos are not in order. : %02d.",NAME609(i));
            eFlag = 1;
      Endif;}
      If NOT NAME609(i) In 1:5 Then
            write("(Sec.06).Invalid ADNO No. : %02d.",NAME609(i));
            eFlag = 1;
      Endif;
enddo;
do varying i = 1 until i > totocc(REC14_EDT)
      If NOT LINE609(i) In 1:40 Then
            write("(Sec.06).Invalid ADLN No %02d, of ADNO
%02d.",LINE609(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6091_LOOK(i) In 1:5,NotAppl Then
            write("(Sec-06.Q6091).Invalid Code : %02d, of ADNO
%02d.",Q6091_LOOK(i),NAME609(i));
```

```
            eFlag = 1;
      Endif;
      If NOT Q6092_MEDI_CHECK(i) In 1:5,NotAppl Then
            write("(Sec-06.Q6092).Invalid Code : %02d, of ADNO
%02d.",Q6092_MEDI_CHECK(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6093_TEST(i) In 1:5,NotAppl Then
            write("(Sec-06.Q6093).Invalid Code : %02d, of ADNO
%02d.",Q6093_TEST(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6094_OTHER(i) In 1:5,NotAppl Then
            write("(Sec-06.Q6094).Invalid Code : %02d, of ADNO
%02d.",Q6094_OTHER(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6101_HOSPITAL(i) In 1:8,NotAppl Then
            write("(Sec-06.Q6101).Invalid Code : %02d, of ADNO
%02d.",Q6101_HOSPITAL(i) ,NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6102_DOCTOR(i) In 1:8,NotAppl Then
            write("(Sec-06.Q6102).Invalid Code : %02d, of ADNO
%02d.",Q6102_DOCTOR(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6103_CLINIC(i) In 1:8,NotAppl Then
            write("(Sec-06.Q6103).Invalid Code : %02d, of ADNO
%02d.",Q6103_CLINIC(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6104_BBANK(i) In 1:8,NotAppl Then
            write("(Sec-06.Q6104).Invalid Code : %02d, of ADNO
%02d.",Q6104_BBANK(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6105_LAB(i) In 1:8,NotAppl Then
            write("(Sec-06.Q6105).Invalid Code : %02d, of ADNO
%02d.",Q6105_LAB(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6106_PHI(i) In 1:8,NotAppl Then
            write("(Sec-06.Q6106).Invalid Code : %02d, of ADNO
%02d.",Q6106_PHI(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6111_PREGNAN(i) In 1:7,NotAppl Then
            write("(Sec-06.Q6111).Invalid Code : %02d, of ADNO
%02d.",Q6111_PREGNAN(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6112_DELIVERY(i) In 1:7,NotAppl Then
            write("(Sec-06.Q6112).Invalid Code : %02d, of ADNO
%02d.",Q6112_DELIVERY(i),NAME609(i));
            eFlag = 1;
      Endif;
```

```
      If NOT Q6113_CUDDLING(i) In 1:7,NotAppl Then
            write("(Sec-06.Q6113).Invalid Code : %02d, of ADNO
%02d.",Q6113_CUDDLING(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6114_FEADING(i) In 1:7,NotAppl Then
            write("(Sec-06.Q6114).Invalid Code : %02d, of ADNO
%02d.",Q6114_FEADING(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q6115_BATH(i) In 1:7,NotAppl Then
            write("(Sec-06.Q6115).Invalid Code : %02d, of ADNO
%02d.",Q6115_BATH(i),NAME609(i));
            eFlag = 1;
      Endif;
      If NOT Q612_TREAT(i) In 1:3,9,NotAppl Then
            write("(Sec-06.Q612).Invalid Code : %02d, of ADNO
%02d.",Q612_TREAT(i),NAME609(i));
            eFlag = 1;
      Endif;
enddo;
{----------------------Consistency Checks in Section-6 (REC14_EDT)------------
------------}
{05.1}
Do varying i = 1 until i > totocc(REC12_EDT)
If Q601_KNOWN(i) = 2 And Ltag0 = 0 Then
      do varying j = 1 until j > totocc(REC14_EDT)
            If NAME601(i)=NAME609(j) And ((Q6091_LOOK(j)<>NotAppl And
Q6092_MEDI_CHECK(j)<>NotAppl And Q6093_TEST(j)<>NotAppl
                And Q6094_OTHER(i)<>NotAppl) Or (Q6101_HOSPITAL(i)<>NotAppl And
Q6102_DOCTOR(i)<>NotAppl And Q6103_CLINIC(i)<>NotAppl
                And Q6104_BBANK(j)<>NotAppl Or Q6105_LAB(j)<>NotAppl Or
Q6106_PHI(j)<>NotAppl) Or (Q6111_PREGNAN(j)<>NotAppl
                And Q6112_DELIVERY(j)<>NotAppl And Q6113_CUDDLING(j)<>NotAppl And
Q6114_FEADING(j)<>NotAppl And Q6115_BATH(j)<>NotAppl)
                Or Q612_TREAT(j)<>NotAppl) Then
                  {write("(Sec-06).'Q601=2 ==> Q602:Q612=Blank', of ADNO %02d,"
,NAME609(j));}
                  write("(Sec-06).'Q601=2 ==> Q602:Q612(Q609-
Q612)=Blank':%02d,%02d,%02d,%02d of ADNO %02d,"

,Q601_KNOWN(i),Q6091_LOOK(j),Q6092_MEDI_CHECK(j),Q6093_TEST(j),NAME609(j));
                  eFlag = 1;
            Endif;
      enddo;
Endif;
enddo;
{05.2}
Do varying i = 1 until i > totocc(REC12_EDT)
If Q601_KNOWN(i) = 1 And Ltag1 = 0 Then
      do varying j = 1 until j > totocc(REC14_EDT)
            If NAME601(i)=NAME609(j) And ((Q6091_LOOK(j)=NotAppl And
Q6092_MEDI_CHECK(j)=NotAppl And Q6093_TEST(j)=NotAppl And
Q6094_OTHER(i)=NotAppl)
                Or (Q6101_HOSPITAL(i)=NotAppl And Q6102_DOCTOR(i)=NotAppl And
Q6103_CLINIC(i)=NotAppl And
```

```
                    Q6104_BBANK(j)=NotAppl And Q6105_LAB(j)=NotAppl And
Q6106_PHI(j)=NotAppl) Or
                    (Q6111_PREGNAN(j)=NotAppl And Q6112_DELIVERY(j)=NotAppl And
Q6113_CUDDLING(j)=NotAppl And
                    Q6114_FEADING(j)=NotAppl And Q6115_BATH(j)=NotAppl) Or
Q612_TREAT(j)=NotAppl) Then
                        {write("(Sec-06).'Q601=1 ==> Q602:Q612<>Blank', of ADNO %02d,"
,NAME609(j));}
                        write("(Sec-06).'Q601=1 ==> Q602:Q612(Q609-
Q612)<>Blank':%02d,%02d,%02d,%02d of ADNO %02d,"

,Q601_KNOWN(i),Q6091_LOOK(j),Q6092_MEDI_CHECK(j),Q6093_TEST(j),NAME609(j));
                        eFlag = 1;
                Endif;
        enddo;
Endif;
enddo;
PROC REC15_EDT
{-----------------------Range Edits in Section-7 (REC15_EDT)-------------------
---------}
{01}
If Q702_KNOWN = 2 And (Q7031_SYS1 <> NotAppl Or Q7032_SYS2 <> NotAppl Or
Q7033_SYS3 <> NotAppl
    Or Q7034_SYS4 <> NotAppl Or Q7035_SYS5 <> NotAppl) Then
        write("(Sec-07).'Q702=2 ==> Q7031:Q7035=blank', %2d,%2d,%2d,%2d,%2d,%2d."
        ,Q702_KNOWN,Q7031_SYS1,Q7032_SYS2,Q7033_SYS3,Q7034_SYS4,Q7035_SYS5);
        eFlag = 1;
Endif;
If Q702_KNOWN = 1 And (Q7031_SYS1 = NotAppl And Q7032_SYS2 = NotAppl And
Q7033_SYS3 = NotAppl
    And Q7034_SYS4 = NotAppl And Q7035_SYS5 = NotAppl) Then
        write("(Sec-07).'Q702=1 ==> at least one of Q7031:Q7035 should be filled',
%2d,%2d,%2d,%2d,%2d,%2d."
        ,Q702_KNOWN,Q7031_SYS1,Q7032_SYS2,Q7033_SYS3,Q7034_SYS4,Q7035_SYS5);
        eFlag = 1;
Endif;
{02.1}
If Q704_PROTECT = 2 And (Q7051_METHOD1<>NotAppl Or Q7052_METHOD2<>NotAppl Or
Q7053_METHOD3<>NotAppl
    Or Q7054_METHOD4<>NotAppl Or Q7055_METHOD5<>NotAppl Or Q706_NUMBER<>NotAppl
Or Q7071_GET1<>NotAppl
    Or Q7071N_NET<>NotAppl Or Q7072_GET2<>NotAppl Or Q7072N_NET<>NotAppl Or
Q7073_GET3<>NotAppl
    Or Q7073N_NET<>NotAppl) Then
        write("(Sec-07).'Q704=2 ==> Q7051:Q713=blank', %2d,%2d,%2d,%2d,%2d,%2d."
        ,Q704_PROTECT,Q7051_METHOD1,Q7052_METHOD2,Q7053_METHOD3,Q7054_METHOD4,Q705
5_METHOD5);
        eFlag = 1;
Endif;
If Q704_PROTECT = 1 And (Q7051_METHOD1=NotAppl And Q7052_METHOD2=NotAppl And
Q7053_METHOD3=NotAppl
    And Q7054_METHOD4=NotAppl And Q7055_METHOD5=NotAppl And Q706_NUMBER=NotAppl
And Q7071_GET1=NotAppl
    And Q7071N_NET=NotAppl And Q7072_GET2=NotAppl And Q7072N_NET=NotAppl And
Q7073_GET3=NotAppl
    And Q7073N_NET=NotAppl) Then
```

```
      write("(Sec-07).'Q704=1 ==> at least one of Q7051:Q713 should be filled',
%2d,%2d,%2d,%2d,%2d,%2d."
      ,Q704_PROTECT,Q7051_METHOD1,Q7052_METHOD2,Q7053_METHOD3,Q7054_METHOD4,Q705
5_METHOD5);
      eFlag = 1;
Endif;
{03}
If Q7051_METHOD1 = 1 And Q706_NUMBER = NotAppl Then
      write("(Sec-07).'Q7051=1 ==> Q706<>blank',
%02d,%02d.",Q7051_METHOD1,Q706_NUMBER);
      eFlag = 1;
Endif;
{04}
If Q706_NUMBER <> NotAppl And (Q7071_GET1 = NotAppl And Q7072_GET2 = NotAppl And
   Q7073_GET3 = NotAppl) Then
      write("(Sec-07).'Q706<>Blank ==> at least one of Q7071:Q7073 should be
filled',%02d,%02d,%02d,%02d."
      ,Q706_NUMBER,Q7071_GET1,Q7072_GET2,Q7073_GET3);
      eFlag = 1;
Endif;
{05}
Ptot=0;
If Q7071N_NET <> NotAppl And Q7071N_NET > 0 Then
      Ptot = Ptot+Q7071N_NET;
Endif;
If Q7072N_NET <> NotAppl And Q7072N_NET > 0 Then
      Ptot = Ptot+Q7072N_NET;
Endif;
If Q7073N_NET <> NotAppl And Q7073N_NET > 0 Then
      Ptot = Ptot+Q7073N_NET;
Endif;
If Q706_NUMBER <> NotAppl And Ptot <> Q706_NUMBER Then
      write("(Sec-07).'Q706 ==> Q70711+Q70712+Q70713',
%02d,%02d.",Q706_NUMBER,Ptot);
      eFlag = 1;
Endif;
{06}
If Q7071_GET1 = 1 And Q7071N_NET = NotAppl Then
      write("(Sec-07).'Q7071=1 ==> Q70711<>blank',
%02d,%02d.",Q7071_GET1,Q7071N_NET);
      eFlag = 1;
Endif;
If Q7072_GET2 = 2 And Q7072N_NET = NotAppl Then
      write("(Sec-07).'Q7072=2 ==> Q70722<>blank',
%02d,%02d.",Q7072_GET2,Q7072N_NET);
      eFlag = 1;
Endif;
If Q7073_GET3 = 3 And Q7073N_NET = NotAppl Then
      write("(Sec-07).'Q7073=3 ==> Q70733<>blank',
%02d,%02d.",Q7073_GET3,Q7073N_NET);
      eFlag = 1;
Endif;
PROC Q701_BREED
If Not $ In 1:2,9 Then
{     write(0031, MONTH1);}
      write(0701, 'Q701',Q701_BREED);
      eFlag = 1;
```

```
Endif;
PROC Q702_KNOWN
If Not $ In 1:2,9 Then
{       write(0031, MONTH1);}
        write(0701, 'Q702',Q702_KNOWN);
        eFlag = 1;
Endif;
PROC Q7031_SYS1
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7031',Q7031_SYS1);
        eFlag = 1;
Endif;
PROC Q7032_SYS2
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7032',Q7032_SYS2);
        eFlag = 1;
Endif;
PROC Q7033_SYS3
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7033',Q7033_SYS3);
        eFlag = 1;
Endif;
PROC Q7034_SYS4
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7034',Q7034_SYS4);
        eFlag = 1;
Endif;
PROC Q7035_SYS5
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7035',Q7035_SYS5);
        eFlag = 1;
Endif;
PROC Q704_PROTECT
If Not $ In 1:2,9 Then
{       write(0031, MONTH1);}
        write(0701, 'Q704',Q704_PROTECT);
        eFlag = 1;
Endif;
PROC Q7051_METHOD1
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7051',Q7051_METHOD1);
        eFlag = 1;
Endif;
PROC Q7052_METHOD2
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7052',Q7052_METHOD2);
        eFlag = 1;
Endif;
PROC Q7053_METHOD3
If Not $ In 1:7,NotAppl Then
```

```
{       write(0031, MONTH1);}
        write(0701, 'Q7053',Q7053_METHOD3);
        eFlag = 1;
Endif;
PROC Q7054_METHOD4
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7054',Q7054_METHOD4);
        eFlag = 1;
Endif;
PROC Q7055_METHOD5
If Not $ In 1:7,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7055',Q7055_METHOD5);
        eFlag = 1;
Endif;
PROC Q706_NUMBER
If Not $ In 1:99,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q706',Q706_NUMBER);
        eFlag = 1;
Endif;
PROC Q7071_GET1
If Not $ In 1:6,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7071',Q7071_GET1);
        eFlag = 1;
Endif;
PROC Q7071N_NET
If Not $ In 1:10,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7071N',Q7071N_NET);
        eFlag = 1;
Endif;
PROC Q7072_GET2
If Not $ In 1:6,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7072',Q7072_GET2);
        eFlag = 1;
Endif;
PROC Q7072N_NET
If Not $ In 1:10,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7072N',Q7072N_NET);
        eFlag = 1;
Endif;
PROC Q7073_GET3
If Not $ In 1:6,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7073',Q7073_GET3);
        eFlag = 1;
Endif;
PROC Q7073N_NET
If Not $ In 1:10,NotAppl Then
{       write(0031, MONTH1);}
        write(0701, 'Q7073N',Q7073N_NET);
        eFlag = 1;
```

```
Endif;
PROC REC16_EDT
{-----------------------Range Edits in Section-7 (REC16_EDT)-------------------
---------}
do varying i = 1 until i > totocc(REC16_EDT)
      If NOT NET_NUMBER(i) In 1:10 Then
            write("(Sec.07).Invalid MNO No. : %02d.",NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If NOT Q708_USAGE(i) In 0:500,998,999,NotAppl Then
            write("(Sec-07.Q708).Invalid Code. : 02d% of MNO
%02d.",Q708_USAGE(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If NOT Q709_DIPPED(i) In 1:3,9,NotAppl Then
            write("(Sec-07.Q709).Invalid Code. : %02d of MNO
%02d.",Q709_DIPPED(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If NOT Q710_TEMPORY(i) In 1:3,9,NotAppl Then
            write("(Sec-07.Q710).Invalid Code. : %02d of MNO
%02d.",Q710_TEMPORY(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If NOT Q711_TIME(i) In 0:500,998,999,NotAppl Then
            write("(Sec-07.Q711).Invalid Code. : %02d of MNO
%02d.",Q711_TIME(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If NOT Q712_SLEPT(i) In 1:2,9,NotAppl Then
            write("(Sec-07.Q712).Invalid Code. : %02d of MNO
%02d.",Q712_SLEPT(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If NOT Q713_HOWMANY(i) In 1:10,99,NotAppl Then
            write("(Sec-07.Q713).Invalid Code. : %02d of MNO
%02d.",Q713_HOWMANY(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
enddo;

{-----------------------Consistency Checks in Section-7 (REC16_EDT)------------
------------}
{02.2}
Do varying i = 1 until i > totocc(REC16_EDT)
If Q704_PROTECT = 2 And (Q708_USAGE(i)<>NotAppl Or Q709_DIPPED(i)<>NotAppl Or
Q710_TEMPORY(i)<>NotAppl
   Or Q711_TIME(i)<>NotAppl Or Q712_SLEPT(i)<>NotAppl Or
Q713_HOWMANY(i)<>NotAppl)Then
      {write("(Sec-07).'Q704=2 ==> Q7051:Q713=blank', of MNO
%d",NET_NUMBER(i));}
      write("(Sec-07).'Q704=2 ==> Q7051:Q713=blank', %2d,%2d,%2d,%2d,%2d,%2d, of
MNO %d"
      ,Q704_PROTECT,Q708_USAGE(i),Q709_DIPPED(i),Q710_TEMPORY(i),Q711_TIME(i),Q7
12_SLEPT(i),Q713_HOWMANY(i)
      ,NET_NUMBER(i));
      eFlag = 1;
```

```
Endif;
enddo;
{07}
Ptot=0;
Ptot = count(REC16_EDT);
If Q706_NUMBER <> NotAppl And Ptot <> Q706_NUMBER Then
      write("(Sec-07).'No.in Q706 = No.of MNO'.%02d,%02d",Q706_NUMBER,Ptot);
      eFlag = 1;
Endif;
{08}
Do varying i = 1 until i > totocc(REC16_EDT)
      If Q709_DIPPED(i) in 2,3 And (Q710_TEMPORY(i)<>NotAppl Or
Q711_TIME(i)<>NotAppl)Then
            {write("(Sec-07).'Q709=2,3 ==> Q710,Q711=blank', of MNO
%d",NET_NUMBER(i));}
            write("(Sec-07).'Q709=2,3 ==> Q710,Q711=blank', %02d,%02d,%02d, of
MNO %d"
            ,Q709_DIPPED(i),Q710_TEMPORY(i),Q711_TIME(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If Q709_DIPPED(i) = 1 And Q710_TEMPORY(i) = NotAppl Then
            {write("(Sec-07).'Q709=1 ==> Q710<>Blank', of MNO
%d",NET_NUMBER(i));}
            write("(Sec-07).'Q709=1 ==> Q710<>Blank', %02d,%02d, of MNO %d"
            ,Q709_DIPPED(i),Q710_TEMPORY(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
{09}
      If Q710_TEMPORY(i) In 1,3 And Q711_TIME(i) <> NotAppl Then
            {write("(Sec-07).'Q710=1,3 ==> Q711=blank', of MNO
%d",NET_NUMBER(i));}
            write("(Sec-07).'Q710=1,3 ==> Q711=blank', %02d,%02d, of MNO %d"
            ,Q710_TEMPORY(i),Q711_TIME(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If Q710_TEMPORY(i) = 2 And Q711_TIME(i) = NotAppl Then
            {write("(Sec-07).'Q710=2 ==> Q711<>blank', of MNO
%d",NET_NUMBER(i));}
            write("(Sec-07).'Q710=2 ==> Q711<>blank', %02d,%02d, of MNO %d"
            ,Q710_TEMPORY(i),Q711_TIME(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
{10}
      If Q712_SLEPT(i) = 2 And Q713_HOWMANY(i) <> NotAppl Then
            {write("(Sec-07).'Q712=2 ==> Q713=blank', of MNO
%d",NET_NUMBER(i));}
            write("(Sec-07).'Q712=2 ==> Q713=blank', %02d,%02d, of MNO %d"
            ,Q712_SLEPT(i),Q713_HOWMANY(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
      If Q712_SLEPT(i) = 1 And Q713_HOWMANY(i) = NotAppl Then
            {write("(Sec-07).'Q712=1 ==> Q713<>blank', of MNO
%d",NET_NUMBER(i));}
            write("(Sec-07).'Q712=1 ==> Q713<>blank', %02d,%02d, of MNO %d"
            ,Q712_SLEPT(i),Q713_HOWMANY(i),NET_NUMBER(i));
            eFlag = 1;
      Endif;
```

```
{11 in Rec17}
{12}
{{ //In another programe
      If Q708_USAGE(i) = 99 Then
            Impute (Q708_USAGE(i),999);
      Endif;
      If Q711_TIME(i) = 99 Then
            Impute  (Q711_TIME(i),999);
      Endif;
}}
enddo;

PROC REC17_EDT
{----------------------Consistency Checks in Section-7 (REC17_EDT)------------
---------}
{11.1.1}
If Q714_HEARD In 2,3 And (Q715_INFECT2005 <> NotAppl Or Q7161_INFECTED <>
NotAppl Or
   Q7162_DEAD <> NotAppl) Then
      write("(Sec-07).'Q714=2,3 ==>
Q715:Q719=Blank',%02d,%02d.",Q714_HEARD,Q715_INFECT2005);
      eFlag = 1;
Endif;
{11.2}
If Q714_HEARD = 1 And Q715_INFECT2005 = NotAppl Then
      write("(Sec-07).'Q714=1 ==> Q715<>blank', %02d,%02d."
      ,Q714_HEARD,Q715_INFECT2005);
      eFlag = 1;
Endif;
{13.1.1}
If Q715_INFECT2005 = 2 And (Q7161_INFECTED <> NotAppl Or Q7162_DEAD <> NotAppl)
Then
      write("(Sec-07).'Q715=2 ==>
Q716:Q719=Blank',%02d,%02d.",Q715_INFECT2005,Q7161_INFECTED);
      eFlag = 1;
Endif;
{13.2}
If Q715_INFECT2005 = 1 And Q7161_INFECTED = NotAppl Then
      write("(Sec-07).'Q715=1 ==> Q716T<>blank', %02d,%02d."
      ,Q715_INFECT2005,Q7161_INFECTED);
      eFlag = 1;
Endif;
{14}
If Q7162_DEAD <> 0 And Q7162_DEAD > Q7161_INFECTED Then
      write("(Sec-07).'Q716D<>00 ==> Q716D=<Q716T', %02d,%02d."
      ,Q7162_DEAD,Q7161_INFECTED);
      eFlag = 1;
Endif;
PROC Q714_HEARD
If Not $ In 1:3,9,NotAppl Then
      write(0701, 'Q714',Q714_HEARD);
      eFlag = 1;
Endif;
PROC Q715_INFECT2005
If Not $ In 1:2,9,NotAppl Then
      write(0701, 'Q715',Q715_INFECT2005);
      eFlag = 1;
```

```
Endif;
PROC Q7161_INFECTED
If Not $ In 1:20,99,NotAppl Then
      write(0701, 'Q7161',Q7161_INFECTED);
      eFlag = 1;
Endif;
PROC Q7162_DEAD
If Not $ In 0:10,99,NotAppl Then
      write(0701, 'Q7162',Q7162_DEAD);
      eFlag = 1;
Endif;
PROC REC18_EDT
{----------------------Range Edits in Section-7 (REC18_EDT)-------------------
---------}
do varying i = 1 until i > totocc(REC18_EDT)
      {If NAME717(i) <> i Then
            write("(Sec.07).MMNO Nos are not in order. : %02d.",NAME717(i));
            eFlag = 1;
      Endif;}
      If NOT NAME717(i) In 1:5 Then
            write("(Sec.07).Invalid MMNO No. : %02d.",NAME717(i));
            eFlag = 1;
      Endif;
enddo;
do varying i = 1 until i > totocc(REC18_EDT)
      If NOT LINE717(i) In 1:30 Then
            write("(Sec.07).Invalid MMLN No %02d, of MMNO
%02d.",LINE717(i),NAME717(i));
            eFlag = 1;
      Endif;
      If NOT Q7171_MALARIA(i) In 1:9,99,NotAppl Then
            write("(Sec-07.Q717).Invalid Code : %02d, of MMNO
%02d.",Q7171_MALARIA(i)
            ,NAME717(i));
            eFlag = 1;
      Endif;
      If NOT Q718_TREAT(i) In 1:2,9,NotAppl Then
            write("(Sec-07.Q718).Invalid Code : %02d, of MMNO
%02d.",Q718_TREAT(i)
            ,NAME717(i));
            eFlag = 1;
      Endif;
      If NOT Q7191_INSTUT1(i) In 1:6,NotAppl Then
            write("(Sec-07.Q7191).Invalid Code : %02d, of MMNO
%02d.",Q7191_INSTUT1(i)
            ,NAME717(i));
            eFlag = 1;
      Endif;
      If NOT Q7192_INSTUT2(i) In 1:6,NotAppl Then
            write("(Sec-07.Q7192).Invalid Code : %02d, of MMNO
%02d.",Q7192_INSTUT2(i)
            ,NAME717(i));
            eFlag = 1;
      Endif;
      If NOT Q7193_PHI(i) In 1:6,NotAppl Then
            write("(Sec-07.Q7193).Invalid Code : %02d, of MMNO
%02d.",Q7193_PHI(i),NAME717(i));
```

```
                eFlag = 1;
        Endif;
enddo;
{-----------------------Consistency Checks in Section-7 (REC18_EDT)------------
---------}
{11.1.2}
do varying i = 1 until i > totocc(REC18_EDT)
        If Q714_HEARD In 2,3 And (Q7171_MALARIA(i) <> NotAppl Or Q718_TREAT(i) <>
NotAppl Or
            Q7191_INSTUT1(i) <> NotAppl Or Q7192_INSTUT2(i)  <> NotAppl Or
            Q7193_PHI(i) <> NotAppl) Then
                write("(Sec-07).'Q714=2,3 ==>
Q715:Q719=Blank',%02d,%02d,%02d,%02d.",Q714_HEARD
                ,Q7171_MALARIA(i),Q718_TREAT(i),Q7191_INSTUT1(i));
                eFlag = 1;
        Endif;
{13.1.2}
        If Q715_INFECT2005 = 2 And (Q7171_MALARIA(i) <> NotAppl Or Q718_TREAT(i)
<> NotAppl
            Or Q7191_INSTUT1(i) <> NotAppl Or Q7192_INSTUT2(i)  <> NotAppl
            Or Q7193_PHI(i) <> NotAppl) Then
                write("(Sec-07).'Q715=2 ==>
Q716:Q719=Blank',%02d.",Q715_INFECT2005);
                eFlag = 1;
        Endif;
enddo;
{15}
Ptot=0;Wtot=0;
Ptot = count(REC18_EDT where NAME717 > 0);
If Q7162_DEAD <> NotAppl And Q7161_INFECTED <> NotAppl Then
        Wtot = Q7161_INFECTED - Q7162_DEAD
Endif;
If Ptot <> Wtot Then
        write("(Sec-07).'No.of columns for MMNO = Q716T-Q716D', %02d,%02d."
,Ptot,Wtot);
        eFlag = 1;
Endif;
{16}
do varying i = 1 until i > totocc(REC18_EDT)
        If Q718_TREAT(i) = 2 And (Q7191_INSTUT1(i) <> NotAppl Or Q7192_INSTUT2(i)
<> NotAppl
            Or Q7193_PHI(i) <> NotAppl) Then
                {write("(Sec-07).'Q718=2 ==> Q7191:Q7196=Blank'");}
                write("(Sec-07).'Q718=2 ==>
Q7191:Q7196=Blank',%2d,%2d,%2d.",Q718_TREAT(i)
                ,Q7191_INSTUT1(i),Q7192_INSTUT2(i),Q7193_PHI(i));
                eFlag = 1;
        Endif;
        If Q718_TREAT(i) = 1 And (Q7191_INSTUT1(i) = NotAppl And Q7192_INSTUT2(i)
= NotAppl
            And Q7193_PHI(i) = NotAppl) Then
                {write("(Sec-07).'Q718=1 ==> at least one of Q7191:Q7193 shuold be
filled'");}
                write("(Sec-07).'Q718=1 ==> at least one of Q7191:Q7193 shuold be
filled',%2d,%2d,%2d."
                ,Q718_TREAT(i),Q7191_INSTUT1(i),Q7192_INSTUT2(i),Q7193_PHI(i));
                eFlag = 1;
```

```
    Endif;
enddo;

PROC REC19_EDT
{----------------------Consistency Checks in Section-8 (REC19_EDT)------------
---------}
{1.2}
If Q801_PREGNAN_DIE = 1 And Q802_NUMBER = NotAppl Then
      write("(Sec-08).'Q801=2 ==>
Q802<>Blank',%02d,%02d.",Q801_PREGNAN_DIE,Q802_NUMBER);
      eFlag = 1;
Endif;
PROC Q801_PREGNAN_DIE
If Not $ In 1:2,9 Then
{     write(0031, MONTH1);}
      write(0801, 'Q801',Q801_PREGNAN_DIE);
      eFlag = 1;
Endif;
PROC Q802_NUMBER
If Not $ In 1:3,99,NotAppl Then
{     write(0031, MONTH1);}
      write(0801, 'Q802',Q802_NUMBER);
      eFlag = 1;
Endif;
PROC REC20_EDT
{----------------------Range Edits in Section-8 (REC20_EDT)------------------
---------}
do varying i = 1 until i > totocc(REC20_EDT)
      If NOT NAME803(i) In 1:3,8 Then
            write("(Sec.08).Invalid DWNO No. : %02d.",NAME803(i));
            eFlag = 1;
      Endif;
      If NOT Q803_STAGE(i) In 1:3,9,NotAppl Then
            write("(Sec-08.Q803).Invalid Code. : %02d of DWNO
%02d.",Q803_STAGE(i),NAME803(i));
            eFlag = 1;
      Endif;
      If NOT Q804_DAYS(i) In 0:50,99 Then
            write("(Sec-08.Q804).Invalid Code. : %02d of DWNO
%02d.",Q804_DAYS(i),NAME803(i));
            eFlag = 1;
      Endif;
      If NOT Q805_REASON(i) In 1:6,9,NotAppl Then
            write("(Sec-08.Q805).Invalid Code. : %02d of DWNO
%02d.",Q805_REASON(i),NAME803(i));
            eFlag = 1;
      Endif;
      If NOT Q806_AGE(i) In 11:50,99,NotAppl Then
            write("(Sec-08.Q806).Invalid Code. : %02d of DWNO
%02d.",Q806_AGE(i),NAME803(i));
            eFlag = 1;
      Endif;
      If NOT Q8071_DAY(i) In 1:31,99,NotAppl Then
            write("(Sec-08.Q807D).Invalid Code. : %02d of DWNO
%02d.",Q8071_DAY(i),NAME803(i));
            eFlag = 1;
      Endif;
```

```
      If NOT Q8072_MONTH(i) In 1:12,99,NotAppl Then
            write("(Sec-08.Q807M).Invalid Code. : %02d of DWNO
%02d.",Q8072_MONTH(i),NAME803(i));
            eFlag = 1;
      Endif;
      If NOT Q808_MARRITAL(i) In 1:2,9,NotAppl Then
            write("(Sec-08.Q808).Invalid Code. : %02d of DWNO
%02d.",Q808_MARRITAL(i),NAME803(i));
            eFlag = 1;
      Endif;
enddo;
{-----------------------Consistency Checks in Section-8 (REC19_EDT)------------
---------}
do varying i = 1 until i > totocc(REC20_EDT)
{1.1}
      If Q801_PREGNAN_DIE = 2 And (Q802_NUMBER <> NotAppl Or Q803_STAGE(i) <>
NotAppl Or
         Q804_DAYS(i) <> NotAppl Or Q805_REASON(i) <> NotAppl Or Q806_AGE(i) <>
NotAppl Or
         Q8071_DAY(i) <> NotAppl Or Q8072_MONTH(i) <> NotAppl Or
Q808_MARRITAL(i) <> NotAppl) Then
         {write("(Sec-08).'Q802=2 ==> Q802:Q808=Blank'");}
         write("(Sec-08).'Q802=2 ==>
Q802:Q808=Blank',%02d,%02d,%02d,%02d,%02d,%02d,%02d,%02d,%02d."

,Q801_PREGNAN_DIE,Q802_NUMBER,Q803_STAGE(i),Q804_DAYS(i),Q805_REASON(i),Q806_AGE
(i)
         ,Q8071_DAY(i),Q8072_MONTH(i),Q808_MARRITAL(i));
            eFlag = 1;
      Endif;
enddo;
{2}
Ptot=0;
Ptot = count(REC20_EDT where NAME803 > 0);
If Ptot <> Q802_NUMBER Then
      write("(Sec-08).'Q802 = Columns in DWNO', %02d,%02d.",Ptot,Q802_NUMBER);
      eFlag = 1;
Endif;
do varying i = 1 until i > totocc(REC20_EDT)
{3.1}
      If Q803_STAGE(i) In 1,2 And Q804_DAYS(i) <> NotAppl Then
         write("(Sec-08).'Q803=1,2 ==> Q804=Blank',%02d,%02d."
,Q803_STAGE(i),Q804_DAYS(i));
            eFlag = 1;
      Endif;
{3.2}
      If Q803_STAGE(i) = 3 And Q804_DAYS(i) = NotAppl Then
         write("(Sec-08).'Q803=3 ==>
Q804<>Blank',%02d,%02d.",Q803_STAGE(i),Q804_DAYS(i));
            eFlag = 1;
      Endif;
{4.1}
      If Q804_DAYS(i) > 42 And (Q805_REASON(i) <> NotAppl Or Q806_AGE(i) <>
NotAppl Or
         Q8071_DAY(i) <> NotAppl Or Q8072_MONTH(i) <> NotAppl Or
Q808_MARRITAL(i) <> NotAppl) Then
         {write("(Sec-08).'Q804>42 ==> Q805:Q808=Blank'");}
```

```
        write("(Sec-08).'Q804>42 ==>
Q805:Q808=Blank',%02d,%02d,%02d,%02d,%02d,%02d."

,Q804_DAYS(i),Q805_REASON(i),Q806_AGE(i),Q8071_DAY(i),Q8072_MONTH(i),Q808_MARRIT
AL(i));
            eFlag = 1;
      Endif;
      If Q804_DAYS(i) < 42 And Q805_REASON(i) = NotAppl Then
        write("(Sec-08).'Q804<42 ==>
Q805<>Blank',%02d,%02d.",Q804_DAYS(i),Q805_REASON(i));
        eFlag = 1;
      Endif;
enddo;
```