

Consistency Checks

Identification

- 1 If $ENUM = 10 : 12$ then $ENUY = 06$
If $ENUM = 01 : 05$ then $ENUY = 07$
- 2 If $ENURSL = 1$ then $HHNO, HH, THU < > \text{blank}$
- 3 If $HHNO < > \text{blank}$ then $HH < > \text{blank}$
If $HH < > \text{blank}$ then $HHNO < > \text{blank}$
If $HHNO = 1$ then $HH = 1$
If $HHNO = 0$ then $HH = 0$
- 4 If $ENURSL \geq 6$ then $HHNO, HH = 0$

Section A

1. A3 Can contains value '01' once.
2. A3 Can contains value '02' once
3. If $A3 = 02$ then $A9 = 2$
4. If $A6 \geq 5$ then $A10 < > \text{blank}$
If $A6 \leq 4$ then $A10 = \text{blank}$
5. If $A10 \geq 2$ then $A6 \geq 5$
6. If $A6 = 05, 06, 07, 08, 09$ then $A10 < > \text{blank}$ and $A10 \leq 2$
7. If $A6 = 11, 12, 13, 14, 15$ then $A10 < > \text{blank}$ and $A10 \leq 3$
8. If $A6 \geq 10$ then $A9 < > \text{blank}$
If $A6 < 10$ then $A9 = \text{blank}$
9. If $A5D, A5M, A5Y$ filled then $A6 < > \text{blank}$
10. If At least $A5Y < > \text{blank}$ then $A6 < > \text{blank}$
11. If $A6 < > \text{blank}$ then $A5Y < > \text{blank}$
12. If $A6 \geq 10$ then $All < > \text{blank}$
If $A6 < 10$ then $All = \text{blank}$

13. If $A1 \leq 30$ then $A12 = \text{blank}$
 If $A1 \geq 31$ then $A12 \neq \text{blank}$
14. If $A1 \geq 31$ then $O5 = \langle A6 \leq 24$

Section 1

1. If $Q101 = 7$ or 8 then $Q102 = \text{blank}$
 If $Q101 \neq 7$ or 8 then $Q102 \neq \text{blank}$
2. If $Q102 = 1$ then $Q103, Q104, Q105 = \text{blank}$
 If $Q102 = 2$ then $Q103, Q104, Q105 \neq \text{blank}$
3. If $Q106 = 2$ or 3 then $Q107 = \text{blank}$
 If $Q106 = 1$ then $Q107 \neq \text{blank}$
4. If $Q108 = 6$ then $Q109, Q110 = \text{blank}$
 If $Q108 < 6$ then $Q109, Q110 \neq \text{blank}$
5. If $Q1116 = 1$ then $Q111NO \neq \text{blank}$
 If $Q1116 = 2$ then $Q111NO = \text{blank}$
6. If $Q118 = < 3$ then section 2 = blank
 If $Q118 = 4 : 7$ then section 2 \neq blank
7. Same number cannot assign in these variables
 $Q1171: Q1175$

Section 2

1. If $Q201 \neq \text{Blank}$ and $1 = < Q201 = < 30$ then $Q118 = 4 : 7$
2. If $Q207 = 2$ then $Q208 = \text{Blank}$ and $Q209 = \text{Blank}$
 If $Q207 = 1$ then $Q208 \neq \text{Blank}$ and $Q209 \neq \text{Blank}$
3. If $Q209 = 1, 2, 3, 4$ then $Q210 = \text{Blank}$ and $Q211 = \text{Blank}$ and $Q212 \neq \text{Blank}$
4. If $Q212 = 2$ then $Q213 = \text{Blank}$ and at least $Q2141 : Q2144 \neq \text{Blank}$
5. If $Q213 = 1, 2$ then $Q2141 : Q2144 = \text{Blank}$
6. If $Q216 = 2$ then $Q217 = \text{Blank}$ and $Q218 \neq \text{Blank}$
 If $Q216 = 1$ then $Q217 \neq \text{Blank}$

- 7 If $Q218 = 1$ or 3 then $Q2191 : Q2195 = \text{Blank}$
If $Q218 = 2$ then $Q2191$ and/or $Q2192$ and/or $Q2193$ and/or $Q2194$ and/or $Q2195 <> \text{Blank}$
- 8 If $A4 = 2$ and $18 <= A6 <= 60$ and $Q118 = 4$ or 5 or 6 or 7 then $WNO <> \text{Blank}$
within HH (line no. 1 : 30)

No. of persons [$A4 = 2$ and $A6 = (18-60)$] = No. of columns in WNO
- 9 Check WLN No. with A1 whether those fulfill in WLN are ($A4 = 2$ and $A6 = 18-60$)
- 10.If $Q2271$ or $Q2272 = 3$ the $Q2281 : Q2286 = \text{blank}$
(If $Q227 = 1$ or 2 then at least $Q2281 : Q2286 : <> \text{blank}$)
11. Same number cannot assign for these variables
(Q2031: Q2035)
12. Same number cannot assign in these variables
(Q2141: Q2144)
13. Same number cannot assign in these variables
(Q2201: Q2206)
14. Same number cannot assign in these variables
(Q2191: Q2195)
15. Same number cannot assign in these variables
(Q2281: Q2286)

Section 3

- 1 If $5 <= A6 <= 14$ (sec A) then $ENO <> \text{Blank}$
- 2 If $Q 301 = 1$ then $Q 302 : Q305 <> \text{Blank}$
- 3 If $Q 301 = 1$ then $Q 305 = 98$
- 4 If $Q 301 = 1$ then $Q 306, Q307 = \text{Blank}$
- 5 If $301 = 2$ then $Q 304 : 307 <> \text{Blank}$
- 6 If $Q 301 = 2$ then $Q 302, Q303 = \text{Blank}$ and $Q 307 <> \text{Blank}$
- 7 If $Q 301 = 3$ or 4 then $Q 302 : Q306 = \text{blank}$
- 8 If $Q 301 = 3$ then $A 10$ (sec. A) = 1

- 9 If $Q 301 = 4$ then $Q 302 : Q307 = \text{blank}$
- 10 If $Q301 = 1$ and $Q302 = 1: 5$ then $A10 = 2$
- 11 If $Q301 = 1$ and $Q302 = 6 : 10$ then $A10=3$

Section 4

- 1. If $15 = < A6$ at least one person within HH (line no: 1:35)= < 24 (sec A) then $LNO < > \text{blank}$
If $LNO <> \text{blank}$ then $15 = < A6 = < 24$ (sec A) at least one person
- 2. No. of persons [$15 = < A6 = < 24$] = No. of columns of LNO
- 3. If LLN is filled then $LRL = 1 : 4$ or 8
- 4. If $Q401 = 1$ then $Q402 < > \text{blank}$
- 5. If $Q401 = 2$ then $Q402 = \text{blank}$ and $Q403 < > \text{blank}$
- 6. If $Q401 = 3$ then $Q402, Q403 = \text{blank}$ and $Q404 < > \text{blank}$
- 7. If $Q 402$ is filled then $Q403, Q404, Q405 = \text{blank}$
- 8. If $Q 403 > 5$ then $Q404$ and $Q405 = \text{blank}$
- 9. If $Q 403 = < 5$ then $Q404 <> \text{blank}$
- 10. If $Q 404 = 2$ then $Q405 = \text{blank}$
- 11. If $Q 404 = 1$ then $Q405 < > \text{blank}$
- 12. If $LRL = 1$ or 2 then $Q406, Q407, Q408 <> \text{blank}$
- 13. If $Q406 = 4$ then $Q409, Q410, Q412 = \text{blank}$
If $Q406 < 4$ then $Q409, Q410, Q412 < > \text{blank}$
- 14. If $Q407 = 4$ then $Q411, Q414 = \text{blank}$
If $Q407 < 4$ then $Q411, Q414 < > \text{blank}$
- 15. If $Q4124 = 1$ or 2 or 3 then $Q4131$ and/or $Q4132$ and/or 4133 and/or 4134 and/or $4135 < > \text{blank}$
- 16. If $Q4125 = 1$ or 2 or 3 then $Q4131$ and/or $Q4132$ and/or 4133 and/or 4134 and/or $4135 < > \text{blank}$

17. If Q4126 = 1 or 2 or 3 then Q4131 and/or Q4132 and/or 4133 and/or 4134 and/or 4135 <> blank

18. If Q4124 and Q4125 and Q4126 = 4 then Q4131 : Q4135 = Blank

Section 5

- 1 If Q401 (sec 4) = 2 or 3 for the given person then TNO <> blank
If Q401 (sec 4) = 1 for the given person then TNO = blank
- 2 If TLN is filled then TRL = 1 : 4
- 3 No. of persons (Q401= 2 or 3) = No. of columns of TNO
- 4 If Q5011 or Q5012 = 1 or 4 or 5 or 6 then Q502 : 505 = blank
If Q5011 or Q5012 = 2 or 3 or (1 and 2) or (1 and 3) then Q502: 504 <> blank
- 5 If Q504 = 2 then Q505 = blank
If Q504 = 1 then Q505 <> blank
6. If Q5011 = 2 then Q5012 <> 3
If Q5012 = 3 then Q5011 <> 2

Section 6

1. If LNO in section 4 <> Blank then ADNO <> Blank
If LNO = Blank then ADNO = Blank
2. No. of persons in ADNO = No. of persons in LNO
3. Check ADLN Number with LLN Number
4. If ADNO <> Blank then ADRL = 1:3
5. If Q601 = 2 then Q602 : Q612 = Blank
If Q601 = 1 then Q602: Q612 <> Blank

Section 7

1. If $Q702 = 2$ then $Q7031 : Q7035 = \text{Blank}$
If $Q702 = 1$ then $Q7031$ and/or $Q7032$ and/or $Q7033$ and/or $Q7034$ and/or $Q7035 < >$ Blank
2. If $Q704 = 2$ then $Q7051 : Q713 = \text{Blank}$
If $Q704 = 1$ then $Q7051$ and/or $Q7052$ and/or $Q7053$ and/or $Q7054$ and/or $Q7055 < >$ Blank
3. If $Q7051 = 1$ then $Q706 < >$ Blank
4. $Q706 < >$ Blank then $Q7071$ and/or $Q7072$ and/or $Q7073 < >$ Blank
5. $Q706 = Q70711 + Q70722 + Q70733$
6. If $Q7071 = 1$ then $Q70711 < >$ Blank
If $Q7072 = 2$ then $Q70722 < >$ Blank
If $Q7073 = 3$ then $Q70733 < >$ Blank
7. No. in $Q706 = \text{No. of MNO}$
8. If $Q709 = 2, 3$ then $Q710, Q711 = \text{Blank}$
If $Q709 = 1$ then $Q710 < >$ Blank
9. If $Q710 = 1, 3$ then $Q711 = \text{Blank}$
If $Q710 = 2$ then $Q711 < >$ Blank
10. If $Q712 = 2$ then $Q713 = \text{Blank}$
If $Q712 = 1$ then $Q713 < >$ Blank
11. If $Q714 = 2, 3$ then $Q715 : Q719 = \text{Blank}$
If $Q714 = 1$ then $Q715 < >$ Blank
12. If $Q708 = 99$ then $Q708 = 999$
If $Q711 = 99$ then $Q711 = 999$
13. If $Q715 = 2$ then $Q716 : Q719 = \text{Blank}$
If $Q715 = 1$ then $Q716T < >$ Blank
14. If $Q716D < >$ 00 then $Q716D = < Q716T$
15. No. of columns for MMNO = $Q716T - Q716D$
16. If $Q718 = 2$ then $Q7191 : Q7196 = \text{Blank}$
If $Q718 = 1$ then $Q7191$ and/or $Q7192$ and/or $Q7193 < >$ Blank

Section 8

1. If Q801 = 2 then Q802 : Q808 = Blank
If Q801 = 1 then Q802 < > Blank
2. Q802 = columns in DWNO
3. If Q803 = 1, 2 then Q804 = Blank
If Q803 = 3 then Q804 < > Blank
4. If Q804 > 42 then Q805 : Q808 = Blank
If Q804 = < 42 then Q805 < > Blank