

Annual Survey on Industries -

The Edit Checks

- ✓1. Serial number should be unique. Last two digits of the serial number should be in the range of 00-99.
- ✓2. District code must be present and lie in the range 01-24 and should be equal to 1st two digits of serial number.
- ✓3. Electorate code must present and lie in the range 001-160.
- ✓4. A.G.A./G.S./Ward must be present and must be in accordance with the given District Code List.
- ✓5. If M.C./U.C. is present it should be in accordance with the district code list.
- ✓6. Sector should not be blank and should be equals to range 1-5
- ✓7. Industry (ISIC) four digit code must be present and should be one in the given list.
- ✓8. Year of commencement should not be blank.  
*minimum 1981 ≤ year ≤ 1999*
9. ✓ Type of ownership should not be blank and should be equals to the range 1-6.  
*Ownership 1 ≤ a ≤ 6*
10. In questions 15,16,17,18, 19 and 20, if any field is present then it should be numeric.
11. (a) In question 15(i), if 8 digit industry code is present, then it should correspond to one in the given commodity code list and the first four digits must be the same as Industry (ISIC) four digit code, in question 12.

check with  
Data Entry

*This means 15108888 & 15108999.*

*and  $\xi(111)$  should be present & corresponds to that of the code list when  $\xi(1) \neq 15108888$  and  $\neq 15108999$*

Contd..

12. (a) If  $q(i)_j \neq \text{blank}$  for any  $j = 1 \dots 8$

$$q(vi)_j + q(xii)_j - q(x)_j > 0 \quad \text{for value}$$

for any  $j = 1 \dots 8$

$$q(v)_j + q(xi)_j - q(ix)_j > 0 \quad \text{for quantity}$$

Take this to  
the structural  
edit

(b) If  $q(i)_j = \text{blank}$  for  $j = 1 \dots 8$ ,  
then question 16 should be filled and should be positive.

11B. (c) If  $q(i)_j \neq \text{blank}$  for any  $j = 1 \dots 8$ ,  $q(iii)_j$   
should be present and must correspond to ones appearing  
in the given product code-list.

13. If 16  $\neq$  blank then 8 digit I.S.I.C. code should be present and  
the first 4 digits must be the same as industry I.S.I.C. 4 digit  
code in question 12 followed by 9999.

14. If Q 16  $\neq$  blank then range code should be present and it should  
correspond to the value in Q 16.

15. (a) If any field from  $q(iii)$  to  $q(xix)$  is present,  $q(i)_j$   
should be present.

(b) If  $q(i)_j$  is present, then  $q(iv)_j$  should be present,  
for all ISIC 8 digit codes other than major divisions 2, & 4.

(c) For  $j = 1 \dots 8$ ,  $q(iii)_j = \text{blank}$ , then  $q(i)_j = \text{blank}$

16. For  $j = 1 \dots 8$

(a)  $q(v)_j \neq \text{blank}$ , then  $q(iv)_j \neq \text{blank}$  and vice versa

(b)  $q(v)_j \geq q(vii)_j$   $q(v)_j$  \* should be included.

17. For ISIC major division 3 and  $j = 1 \dots 8$

$$Rc_j = q(xiii)_j + q(xiv)_j + q(xv)_j + q(xvii)_j - q(xvi)_j - q(xviii)_j > 0$$

18. For  $j = 1 \dots 8$

(a) If  $q(ix) \neq \text{blank}$ , and  $q(x) = \text{blank}$  or vice versa, then  
compute the corresponding figure using  $q(x)_j = p_j \times q(ix)_j$

$$\text{where } p_j = \frac{q(vi)_j}{q(vi)_j}$$

If  $q(xi) \neq$  blank, and  $q(xii) =$  blank or vice versa, use the formula  $q(xii)_j = P_j \times q(xi)_j$  where  $P_j = \frac{q(vi)_j}{q(v)_j}$

19 For  $J = 1 \dots 9$

(a) ~~If  $q(i) \neq$  blank,  $q(xix)a_j$  and  $q(xix)b_j$  should be present and lie in the range 01-30.~~ *always* 86

*not necessary for J=10 different?*

(b) ~~If  $q(16(i))$  is  $\neq b1$ ,  $q(16(iii))$  should be present and lie in the range 01-30.~~ *must not be so for 252c9999* 86 88

(c) ~~If  $q(17(i)) \neq b1$ ,  $q(17(ii))$  should be present and lie in the range 01-30.~~ *XIXA* 90

84 (d) ~~If the code in  $q(xix)a_j$  is present, the value of  $q(vi)_j$  should lie in the range corresponding to the code in  $q(xix)a_j$ .~~ *✓*

85 (e) ~~If the code in  $q(xix)b_j$  is present, the value in  $q(xii)_j$  should lie in the range corresponding to the code in  $q(xix)b_j$ .~~ *✓*

(f) ~~If the code in  $q(16(iii))$  is present the value of  $q(16(ii))$  should lie in the range corresponding to the code in  $q(16(iii))$ .~~ *XIXA*

91 (g) ~~If the code in  $q(17(ii))$  is present the value of  $q(17(i))$  should lie in the range corresponding to the code in  $q(17(ii))$ .~~ *X11/1j=10*

(List of ranges and corresponding codes are given).

(For Surveys 87 and 88)

20.(a) If  $R(ii)_8 \neq$  blank then  $R(iii)_8$  should be present and vice versa.)

(b) If  $R(iii)_8 \neq$  blank then  $R(iv)_1$  blank or vice versa.  
Otherwise ~~impute~~ missing  $R(iii)_8$  or  $R(iv)_8$  as follows.

$$R(iv)_8 = P_8 \times R(iii)_8 \text{ or}$$

$$R(iii)_8 = \frac{1}{P_8} \times R(iv)_8 \text{ where}$$

$P_8$  is midpoint of following inequality

$$50.00 \leq P_8 \leq 200.00$$

{ Take the mid-pt & multiply

\* This check is necessary only for fire wood.

Only quantity or value is imputed

(c) For  $y = 1 \dots \dots \dots 7$

compute  $R(iii)_y$  using

$$R(iii)_y = \frac{1}{P_y} \times R(iv)_y \text{ where}$$

$P_y$ s are equals to following values.

$$P_1 = 2.00$$

$$P_2 = 11.50$$

$$P_3 = 3.75$$

$$P_4 = 13.50$$

$$P_5 = 8.00$$

$$P_6 = 7.25$$

$$P_7 = 6.50$$

This is dropped from the edit may be used when tables are processed.

21. (a) If either T(ii) 1a or T(iii) 1a or both are present,

*21B* ✓ ~~T(v)~~ then ~~T(iv)~~ 1a should be present or vice versa. *che*

(b) If either T(ii) 1b T(iii) 1b or both are present, then T(iv) 1b should be present or vice versa.

(c) If either T(ii) 2a ~~±~~ blank or T(iii) 2a ~~±~~ blank then T(iv) 2a ~~±~~ blank *che*

If either T(ii) 2b ~~±~~ blank or T(iii) 2b ~~±~~ blank then T(iv) 2b ~~±~~ blank. *che*

If either T(ii) 2c ~~±~~ blank or T(iii) 2c ~~±~~ blank then T(iv) 2c ~~±~~ blank. *che*

If either T(ii) 2d ~~±~~ blank or T(iii) 2d ~~±~~ blank then T(iv) 2d ~~±~~ blank or vice versa. *che*

✓ (d)  $T = T(ii) 1a + T(iii) 1a + T(ii) 1b + T(iii) 1b + T(ii) 2a + T(iii) 2a + T(ii) 2b + T(iii) 2b + T(ii) 2c + T(iii) 2c + T(ii) 2d + T(iii) 2d + T(ii) 3 + T(iii) 3 + T(ii) 4 + T(iii) 4 \geq 1.$

*Compare with Eq 4*  
*xxxx*

22. For all ISIC other than major divisions 2 and 4 if  $q(i)_j$  is present and  $q(iv)_j = \text{blank}$  use the following relationship. *\* b*  
 $q(iv)_j = q(v)_j + q(xi)_j - q(ix)_j$

23. Define (a) Output Quantity =  $O_{qj}$   
(b) Output Value =  $O_{vj}$   
(c) Raw materials consumption  $R_{cj}$  —  
(d) Input value =  $I_v$  as follows.

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\* This check was dropped, as any change in  $q(v)_j$  or  $q(xi)_j$  or  $q(ix)_j$  after the 1st round of editing due to any errors of them, may not give the corrected imputation value of  $q(iv)_j$  in subsequent edit runs.