



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

December 18, 1987

MEMORANDUM FOR Thomas C. Walsh
Chief, Demographic Surveys Division

From: Paula J. Schneider ^{Signed P} DSD
Chief, Population Division

Subject: Post Edit Completeness and Consistency Checks for the Work
Experience, Earnings, and Longest Job Portion of the March 1988
CPS Income Supplement Rewrite

Attached are the proposed specifications for determining completeness and consistency of post edited work experience, earnings, and longest job data for the March 1988 CPS income supplement rewrite. Please review and return all comments to Ed Welniak of the Income Statistics Branch.

Attachment

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Post Edit Completeness and Consistency Checks

After having completed the individual work experience, earnings, and longest job edits, each income supplement is checked for completeness and consistency among the edited data items (see Figure 10). Inconsistent response patterns invoke error conditions. Incomplete supplements are flagged for allocation of missing responses during the joint work experience, earnings, longest job statistical match.

The series of flags carried on each incomplete supplement indicate specific pieces of information are missing and in need of allocation. Collectively, the value of the flags set represents a nonresponse pattern that can be classified into one of 12 groups (see Table 9). Each group uses a unique set of variables to match donors (complete supplements) with recipients (incomplete supplements) for the purpose of filling missing data. The set of match variables used can be found in Table 10.

To try and achieve the best match possible between donors and recipients, each recipient goes through a series of steps systematically reducing the match detail within certain key variables and eliminating others. Each of these steps is called a "match level." The last level is designed to assure a match and still maintain some degree of covariance between variables (see Figures G1 through G12). In addition, each group remains independent during the match process. That is, only the information that was originally missing will be allocated and no reported data will be lost in an effort to achieve a match.

Table 9. Group Assignment and Flag Value by Nonresponse Pattern for the Joint Earnings, Work Experience, and Longest Job Allocation System

ROW	Group	Flag value	Work experience	Longest job	Longest job \$	Nonresponse pattern					
						Recip.	Earnings				
							Other	W/S \$	SE \$	Farm \$	
1	1	1									X
2	1	2									X
3	1	3									X
4	1	4									X
5	1	5									X
6	1	6									X
7	1	7									X
8	2	8				X					
9	3	16			X						
10	3	17-23			X						
11	3	24			X	X					
12	4	32		X							
13	4	33-39		X							
14	4	40		X							
15	7	48		X	X						
16	7	49-55		X	X						
17	7	56		X	X						
18	7	64		X	X						
19	5	65-71									
20	5	72									
21	9	80			X						
22	9	81-87			X						
23	8	88			X						
24	9	96		X							
25	10	97-103		X							
26	11	104		X							
27	10	112		X							
28	12	113-119		X							
29	11	120		X							

X indicates not reported and needing allocation

Table 10. Dictionary of Match Variables Used for the Joint Work Experience, Earnings, and Longest Job Allocation System (Persons)

1) <u>SEX</u>	<u>SEX</u>	<u>POPSTAT</u>
o Male	1 M Civ	AF
o Female	2 F Civ	NONAF
	3 M A.F.	
	4 F A.F.	
2) <u>RACE</u>		
<u>Race-1</u>		<u>Race-2</u>
o White (Non-Hispanic) or other		o Black
o White, Hispanic		o non-Black
o Black		
3) <u>AGE</u>		
<u>Age-1</u>	<u>Age-2</u>	<u>Age-3</u>
o Under 18 years	o Under 18 years	o Under 25 years
o 18 to 24 years	o 18 to 24 years	o 25 to 54 years
o 25 to 34 years	o 25 to 34 years	o 55 years and over
o 35 to 44 years	o 35 to 54 years	
o 45 to 54 years	o 55 to 64 years	
o 55 to 61 years	o 65 years and over	
o 62 to 64 years		
o 65 to 69 years		
o 70 years and over		
4) <u>RELATIONSHIP</u>		
<u>Relationship-1</u>		<u>Relationship-2</u>
o Family Householder		o Householder/spouse
o Spouse of householder		o Other relative of householder
o Child of householder		o Primary Unrelated Individual
o Other relative of householder		o nonrelative of householder
o Unrelated subfamily member		
o Primary unrelated individual		
o Secondary unrelated individual		

- 5) Years of School Completed-1 Yrs of School Completed-2 Yrs of School Completed-3
- 8 years or less
 - 9 to 11 years
 - 12 years
 - 13 to 15 years
 - 16 years
 - 17 years or more
- Less than 12 years
 - 12 years
 - 13 to 15 years
 - 16 years
 - 17 years or more
- Less than 12 years
 - 12 years
 - 13 to 15 years
 - 16 years or more

6) MARITAL STATUS

- Married
- Widowed
- Divorced/Separated
- Never married

7) PRESENCE OF RELATED CHILDREN

- No children under 18 years/NIU
- Some children under 6 years
- All children 6 to 17 years

8) LABOR FORCE STATUS OF SPOUSE

- In labor force
- Not in labor force
- Not in universe (not married)

9) WEEKS WORKED

Weeks Worked-1

- Under 12 weeks
- 12 to 25 weeks
- 26 to 38 weeks
- 39 to 49 weeks
- 50 weeks or more

Weeks Worked-2

- Under 20 weeks
- 20 to 34 weeks
- 35 to 49 weeks
- 50 weeks or more

Weeks Worked-3

- < 30
- 30+

1

HOURS WORKED -1

- 1 to 19 hours
- 20 to 34 hours
- 35 hours or more

Hours Worked -2

- < 30
- 30+

21 1/2

OCCUPATION OF LONGEST JOB

Occupation of Longest Job-1

(3-digit occupation code)

Occupation of Longest Job-2

(Use Recode POCCU2, about 52 categories)

CLASS OF WORKER

Class of Worker-1

- Private
- Federal Government
- State or Local Government
- Self-employed
- Without pay

Class of Worker-2

- Wage and salary
- Self-employed
- Without pay

OTHER EARNINGS RECIPIENCY

Wage and Salary

Self-Employed

Farm

No	No	No
No	No	Yes
No	Yes	No
No	Yes	Yes
Yes	No	No
Yes	No	Yes
Yes	Yes	No
Yes	Yes	Yes

EARNINGS OF LONGEST JOB - 1

- ∅ >
- o Loss
 - o ~~Under \$2,500 \$1-2,499~~ 2,499
 - o \$2,500 to \$4,999
 - o \$5,000 to \$9,999
 - o \$10,000 to \$14,999
 - o \$15,000 to \$19,999
 - o \$20,000 to \$29,999
 - o \$30,000 to \$39,999
 - o \$40,000 to \$49,999
 - o \$50,000 to \$59,999
 - o \$60,000 to \$74,999
 - o \$75,000 or more

- 2
- > ∅ Loss
- o ~~Under 5K~~ \$1-4999
 - o 5K < 25K
 - o 25 < 50 K
 - o 50K +

(Households)

TYPE OF RESIDENCEType of Residence-1

- o Farm
- o Nonfarm, inside MSA (1 million+ pop)
- o Nonfarm, inside MSA (less than 1 million pop)
- o Nonfarm, outside MSA

Type of Residence-2

- o Inside MSA
- o Outside MSA

REGION

- o Northeast
- o Midwest
- o South
- o West

TRANSFER PAYMENTS

- o With transfer payments
- o Without/not coded transfer payments

(Transfers Include)

Low Rent
 Pub
 Eng Ass
 FS
 SSI
 PAW
 M CAID

Figure 10. Post Edit Completeness and Consistency Checks

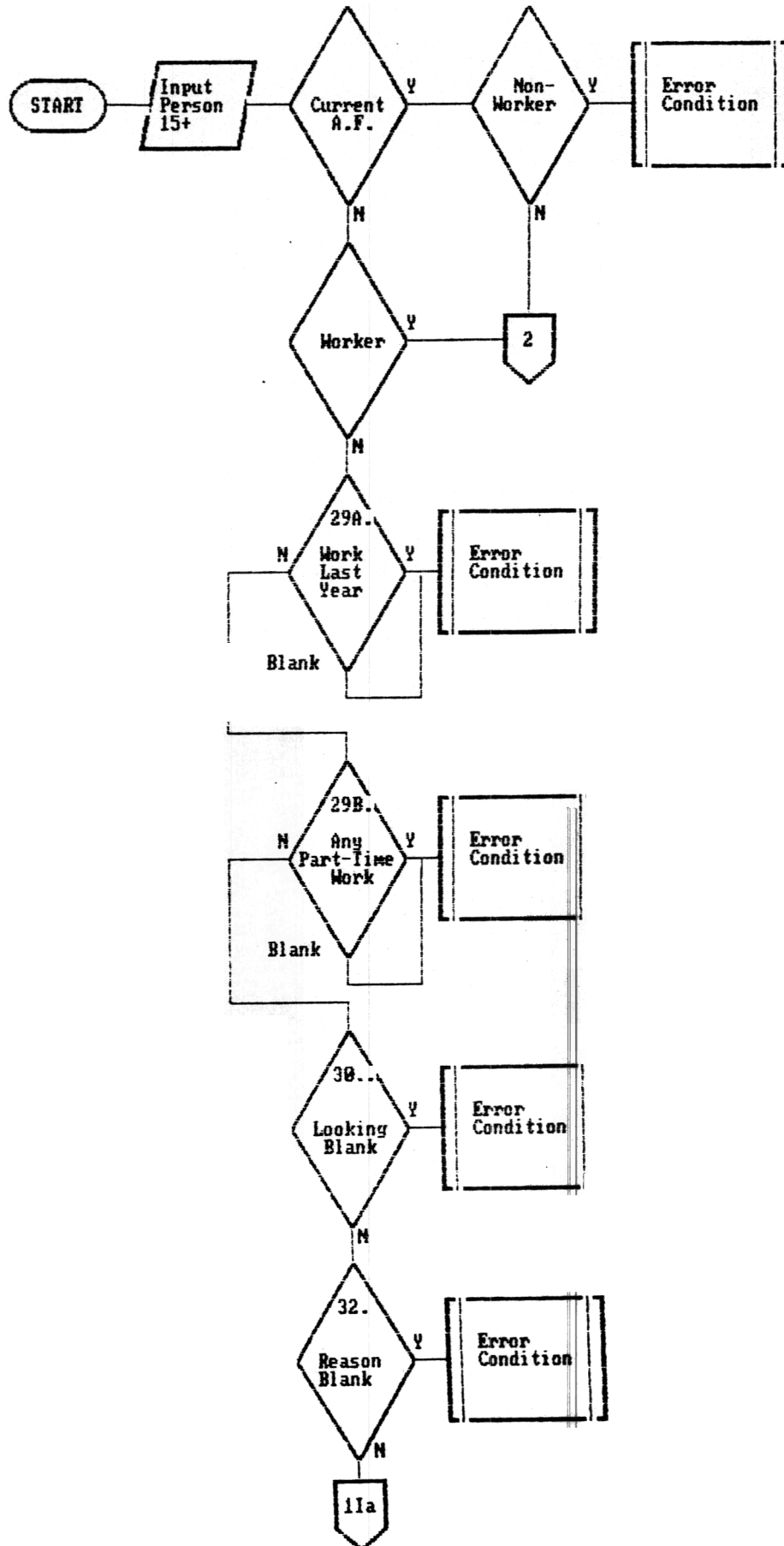


Figure 10. Post Edit Completeness and Consistency Checks(cont.)

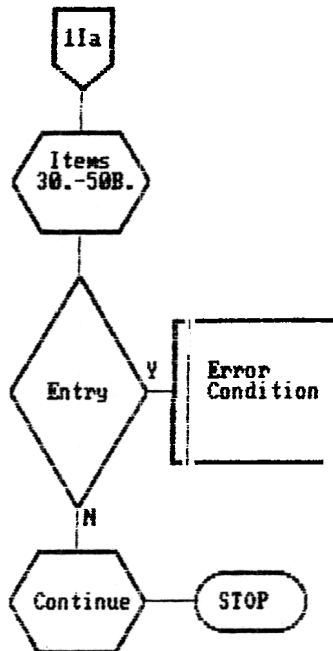


Figure 10. Post Edit Completeness and Consistency Checks cont

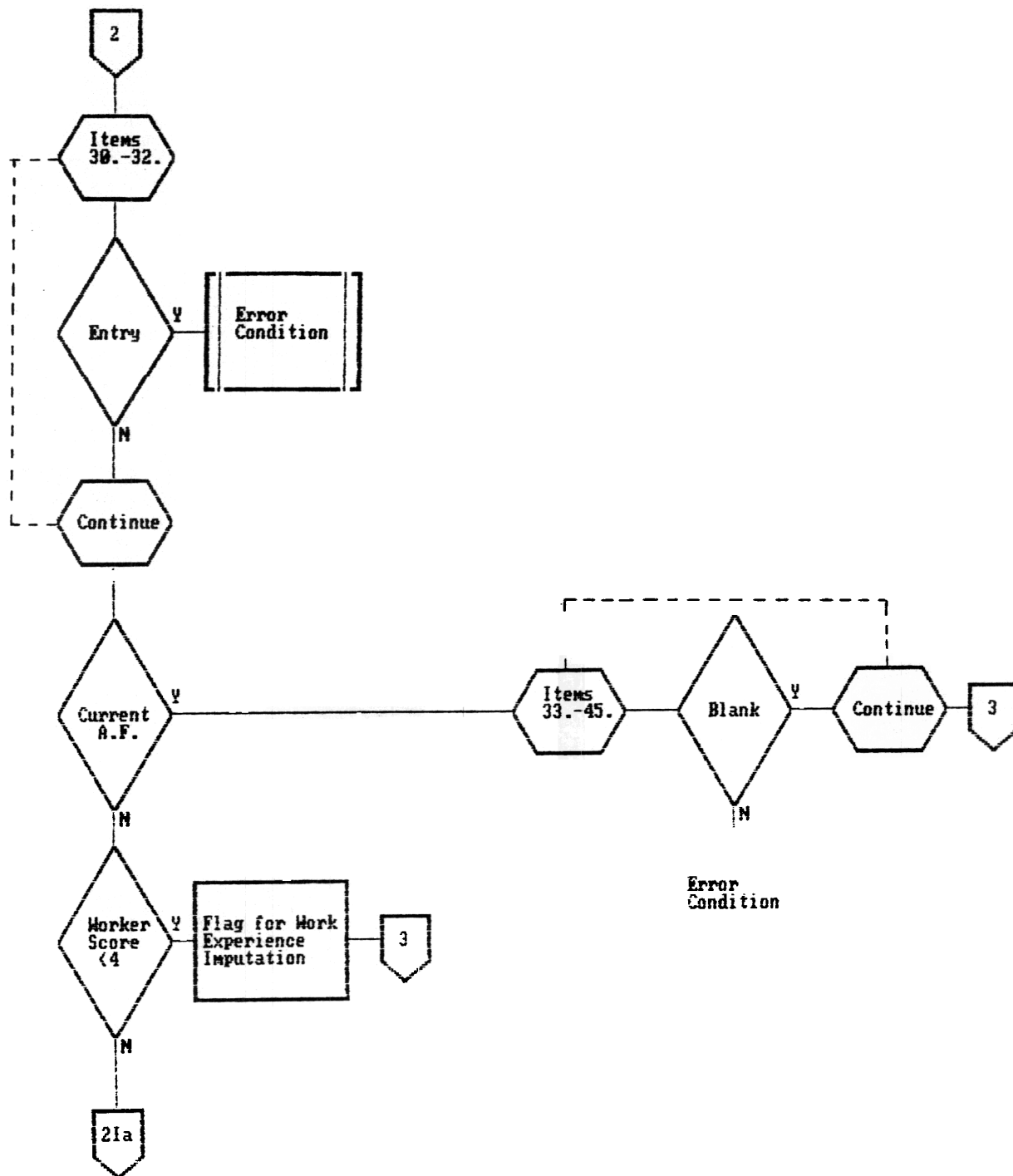


Figure 16. Post edit Completeness and Consistency Checks(cont.).

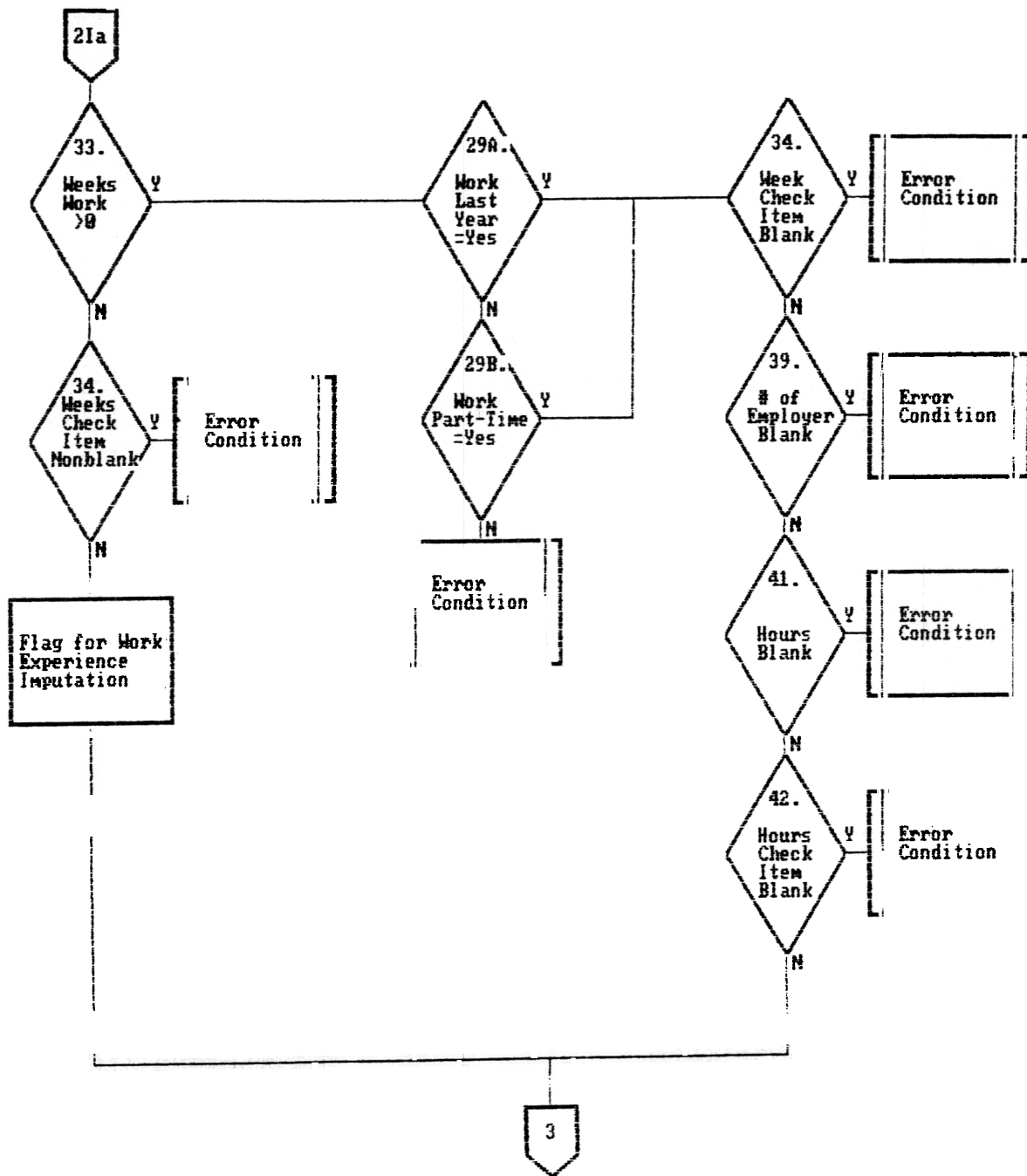


Figure 10. Post Edit Completeness and Consistency Checks(cont.).

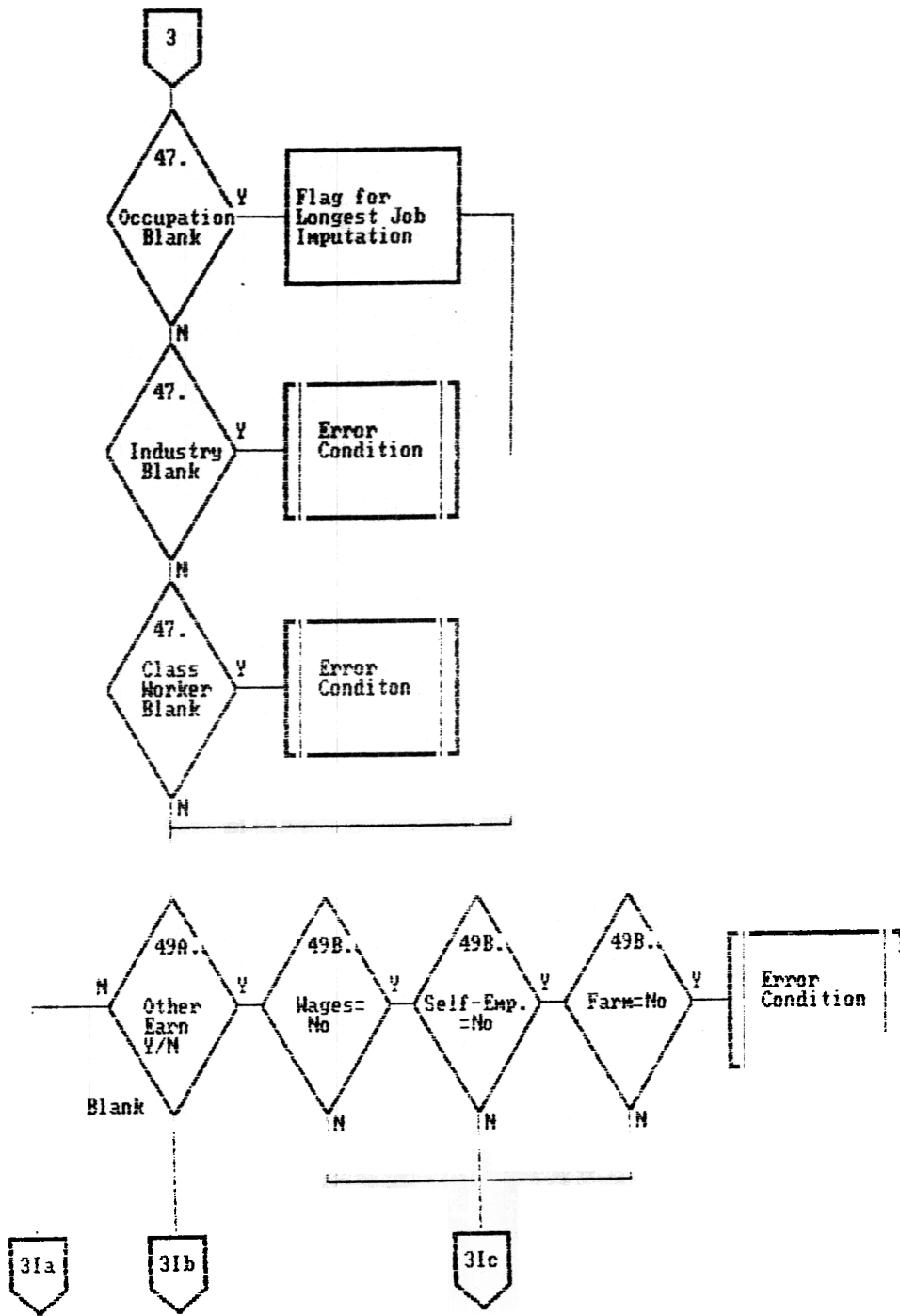


Figure 10. Post Edit Completeness and Consistency Checks(cont)

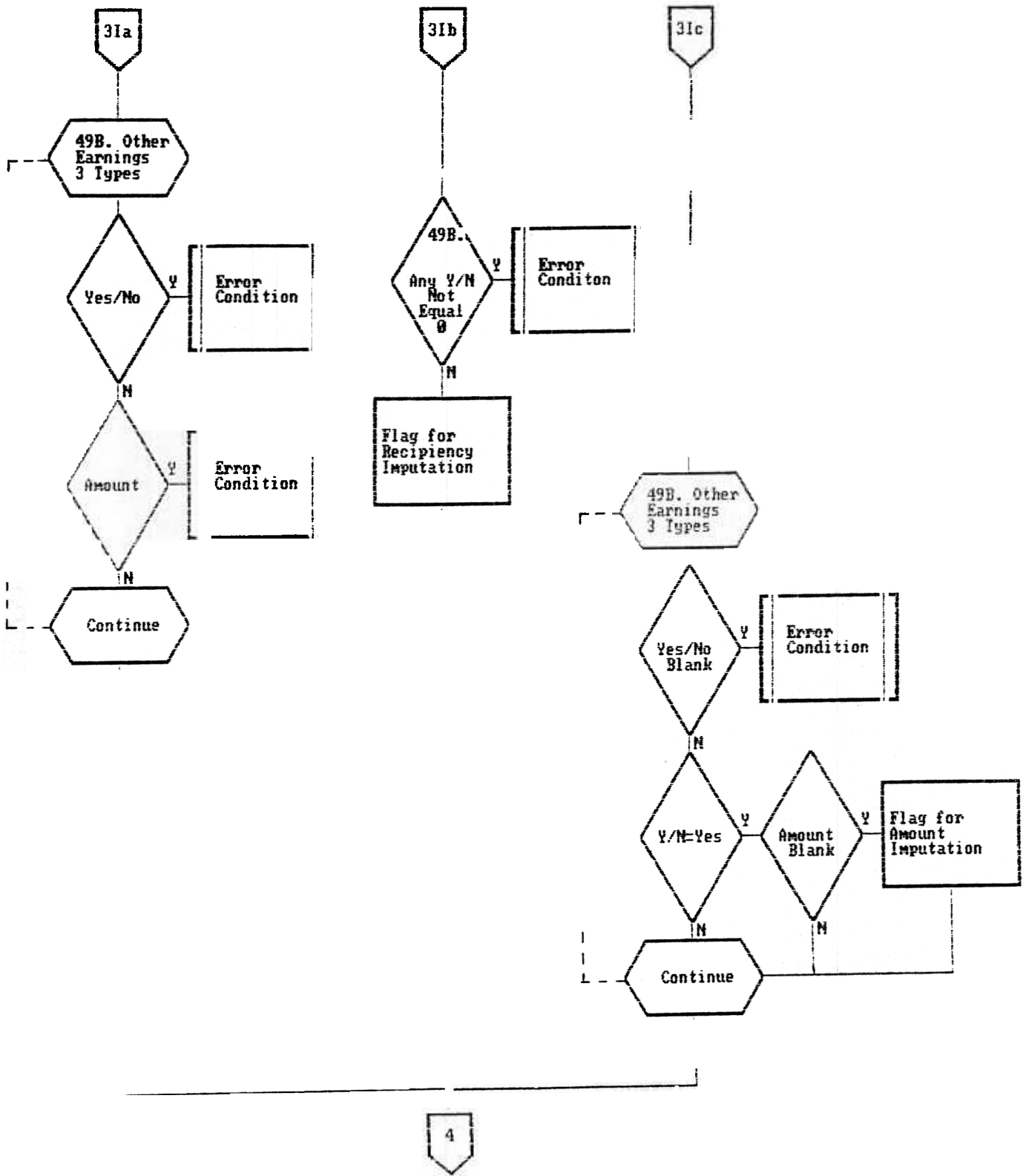


Figure 10. Post Edit Completeness and Consistency Checks(cont.)

