# 1996 CENSUS OF CANADA

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MBI-1

Place of Residence 1 Year and 5 Years ago Inside Canada

**Procedures Manual** 



**Automated Coding** 



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MBI-1

#### Place of Residence 1 Year and 5 Years Ago

Inside Canada

**Procedures Manual** 

Prepared by: Census Operations Division

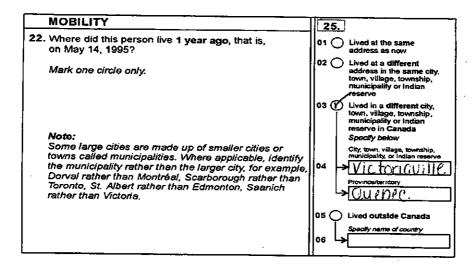
Social, Institutions and Labour Statistics Field

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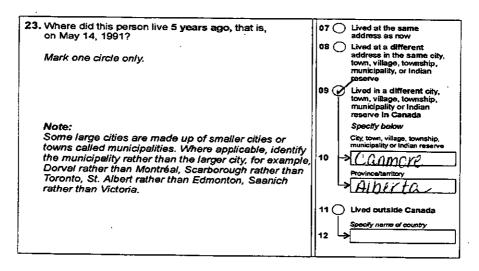
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## I. Introduction to Coding Procedures for the "Place of Residence 1 Year and 5 Years Ago - Inside Canada" Variable

In question 22 on the 2B Census form (long form), respondents are asked to mark the circle beside the response that best characterizes their place of residence 1 year ago, i.e. May 14, 1995. Respondents who mark answer circle 03 are required to specify their place of residence inside Canada by writing in the name of the city, town, village, township, municipality or Indian reserve in Canada, and the province or territory where they lived on May 14, 1995. Respondents who state that they lived outside Canada on that date (by marking answer circle 05), are asked to specify the name of the country.



In question 23 on the 2B Census form, respondents are asked to mark the answer circle beside the response that best characterizes their place of residence 5 years ago, i.e. May 14, 1991. Respondents apply the same rules as for the preceding question.



The instructions provided with the 2B form to help respondents answer these two questions are shown below.

#### MOBILITY

Questions 22 and 23 tell us where people living in Canada are moving to and from within Canada, and from outside Canada. This information is used to help estimate the population at the national, provincial and subprovincial levels between censuses. It is also used to identify future needs for housing, education, transportation and social services, and contributes to programs administered under the *Fiscal Arrangements Act*.

Mark one of the four circles provided to indicate each person's usual place of residence one year ago (on May 14, 1995) for Question 22 and five years ago (on May 14, 1991) for Question 23, even if the person was not at home on either date.

#### QUESTION 22 - Place of Residence One Year Ago

For persons who lived in a different city, town, village, township, municipality or Indian reserve in Canada on May 14, 1995:

- mark that circle and print the name of the city, town, village, township, municipality or Indian reserve, and
- · print the name of the province or territory it is in.

For persons who lived outside Canada on May 14, 1995:

 mark that circle and print the name of the country according to present boundaries.

#### QUESTION 23 - Place of Residence Five Years Ago

For persons who lived in a different city, town, village, township, municipality or Indian reserve in Canada on May 14, 1991:

- mark that circle and print the name of the city, town, village, township, municipality or Indian reserve, and
- · print the name of the province or territory it is in.

For persons who lived outside Canada on May 14, 1991:

 mark that circle and print the name of the country according to present boundaries.

Source: Statistics Canada, Guide and Reasons, p. 10, 1996 Census.

Responses for inside Canada and outside Canada will be treated as two different variables.

This manual describes the automated coding procedures for responses with place of residence inside Canada, i.e. the first two write-in boxes in each question. Procedures for outside Canada responses (the last write-in box in each question) are covered in the manual entitled "Place of Residence 1 Year and 5 Years Ago – Outside Canada Procedures Manual" (MBO-1).

Through out this Procedures Manual the term "Place Name" is used to identify a City, Town, Village, Township, Municipality or Indian Reserve in Canada.

#### II. Standard Coding Procedures

As a general coder, you are responsible for assigning a code to each response according to the instructions you are given.

You will see three categories of responses when manual coding "Place of Residence 1 Year and 5 Years Ago - Inside Canada":

- (a) responses containing both the place name and the province;
- (b) responses containing the place name only;
- (c) responses containing the name of the province only.

Within each category of response, you will encounter the following difficulties:

- (a) misspelled responses;
- (b) multiple responses;
- (c) other responses.

When the system shows you a response, you must:

- identify which category of response it is and determine whether it contains any difficulties;
- follow the processing steps for the category of response or difficulty identified.

These steps are described on pages 7 through 24 of this manual.

The system which helps you code uses Automated Coding by Text Recognition (ACTR). ACTR provides you with coding suggestions in the form of one or more phrases displayed under the response.

You must first use the Manual Coding Book (MCB) to find the proper codes for the responses displayed by the system.

#### A. The Codes

This variable is coded with two types of codes: <u>Standard Geographical Classification Codes</u> (SGC) and <u>Temporary Codes</u> (TC). Both types are listed in the MCB.

#### Standard Geographical Classification Codes

The Standard Geographical Classification codes used when coding contain seven digits. The first two digits represent the province, the next two represent the Census Division (CD), and the last three represent the Census Subdivision (CSD), i.e. the municipality, city, or town. The province codes are as follows:

Newfoundland / Terre-Neuve	10
Prince Edward Island / Île-du-Prince-Édouard	11
Nova Scotia / Nouvelle-Écosse	12
New Brunswick / Nouveau-Brunswick	13
Quebec / Québec	24
• Ontario	35
Manitoba	46
Saskatchewan	47
Alberta	48
British Columbia / Colombie-Britannique	59
• Yukon Territory / Territoire du Yukon	60
Northwest Territories / Territoires du Nord-Ouest	61

If you encounter the response MONTREAL, QUEBEC on the screen, the SGC code will be 24 66 025. The 24 denotes the province of Quebec, 66 denotes the CD, and 025 denotes the CSD.

#### **Temporary Codes**

Temporary codes were created to process places with the same name more efficiently. We use TCs when the geographical unit cannot be positively identified. Two types of TCs are used: national and provincial TCs.

#### National TCs (99 00 XXX)

National TCs have the same form as SGC codes, but they mean something different: the "99" indicates that it's a TC; the "00" shows that the province is unknown; and the "XXX" refers simply to the place name and not to a specific city or town.

National TCs are used to identify places with the same name in different provinces.

MMANUAL1	1996 CENSUS OF POPULATION / AUTOMATED COD INTERACTIVE CODING - MOBILITY 1 YEAR IN		17/01/96 13:18:54.3
Write-in to b	e coded	Ty	pe Code
Phrases retur	ned by ACTR	Codes	(\$)elect
ID: 61601053 Data for same Check-boxes a KINGSTON	question from each household member	======== Pers	 nr: 1
HELP UP	2PF3PF4PF5PF6PF7PF8PF9- DOWN <<<< >>>> MORE +UP +DOWN REFER BUTHORIZED TO KEY A VALID CODE.	PF18PF1 R VALID COM:	1PF12 IT QUIT

As shown on the screen, the respondent has only given the name of the place but has not specified which province it is located in. Is it Kingston, Newfoundland; Kingston, Prince Edward Island; Kingston, New Brunswick; or Kingston, Ontario? In this case, the national TC 99 00 529 is assigned, since there is a Kingston in more than one province. The "99" indicates that it is a TC; the "00" shows that the province is unknown; and the "529" refers to the place named Kingston.

#### Provincial TCs (99 province code XXX)

Provincial TCs are used to identify places with the same name in the same province.

HHANUAL1	1996 CENSUS OF POPULATION / AUTOMATED CO INTERACTIVE CODING - MOBILITY I YEAR IN	DDING Y CAN. 1	17/01/90 3:18:54.3
Write-in to b		Тур	e Code
Phrases retur	ned by ACTR	Codes	(S)elect
ID: 61001053  Data for same Check-boxes a CARTIER MANITOR	question from each household member nd Write-ins	Percn	 r: 1
MELP UP	2PF3PF4PF5PF6PF7PF8PF9 DOWN <<<< >>>> MORE +UP +DOWN REF BUTHORIZED TO KEY A VALID CODE.	PF10PF11 ER VALID COMI	PF12 T quit

When the response is found in the MCB, we find that Cartier, Manitoba has more than one code: 46 02 075 and 46 10 043. Is this the Cartier in CD 02, or the one in CD 10? The information supplied by the respondent, though correct, is insufficient to enable us to determine which code is the correct one. In this case, we assign the provincial TC 99 46 007. The "99" indicates that it is a TC; the "46" shows that the province is Manitoba; and the "007" denotes the name "Cartier".

#### B. Code Match

When coding, you must carry out different steps depending on the category of response you are coding.

However, **code match**, the phase where a code is assigned to a response, is identical for all categories of responses.

Always refer to the table below when you are code matching.

CONDITION	ACTION
STEP 1 IF there is a code match, THEN	<ul> <li>(a) type the valid code;</li> <li>(b) validate the code;</li> <li>(c) verify that the valid code appears at the bottom of the screen.</li> </ul>
STEP 2  (i) IF a valid code appears at the bottom of the screen, THEN	commit the code.
(ii) IF an invalid code appears at the bottom of the screen, THEN	verify whether the code was input correctly. If an error has been made, correct the code and repeat STEPS 1 and 2.
STEP 3  IF an invalid code still appears at the bottom of the screen, THEN	REFER THE RESPONSE TO THE NEXT LEVEL OF CODING.

On the following pages, you will find the standard coding procedure flow charts and situation/condition/action tables which will guide you through the various procedures needed when coding responses.

## III. Processing the Three Categories of Responses

## A. Processing Responses Containing Both the Place Name and the Province

The examples below illustrate how this category of response will appear on your screen.

Place name and province - Example Nº. 1

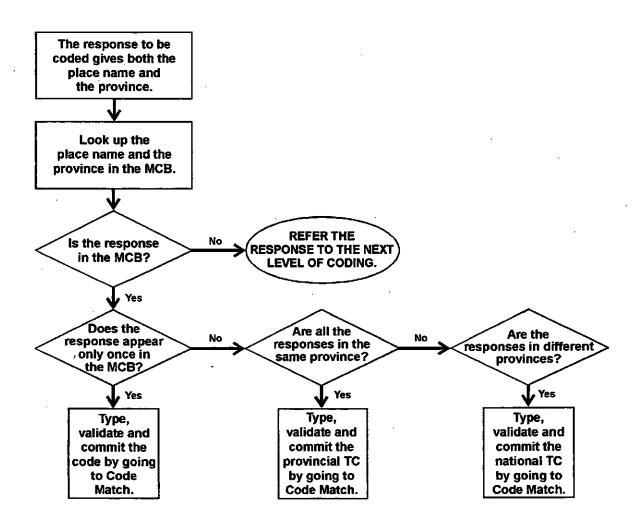
MMANUAL1	1996 CENSUS OF POPULATION / AUTOMATED CO INTERACTIVE CODING - MOBILITY 1 YEAR IN	DDING N CAN.	17/61/90 13:18:54.:
Write-in to B	pe coded	Ty	ipe Code
Phrases retur	rned by ACTR	Codes	(S)elec
ID: 61981853 Data for same Check-boxes a ABITIBI PQ	question from each household member	Pers	======= nr: 1
MELP UP	2PF3PF4PF5PF6PF7PF8PF9 DOWN <<<< >>>> MORE +UP +DOWN REF AUTHORIZED TO KEY A VALID CODE.	PF10PF1 ER VALID COM	1PF12 IT QUIT

Place name and province - Example Nº. 2

MMANUAL1	1996 CENSUS OF POPULATION / AUTOMATED C INTERACTIVE CODING - MOBILITY 1 YEAR I		17/01/96 13:18:54.3
Write-in to P POINTE AUX TREM		Ту	pe Code
Phrases retur	ned by ACTR	Codes	(\$)elect
ID: 61001053	069 1 4	,	
Bata for same Check-boxes a POINTE AUXTREM		Pers	r======= nr: 1
inter-PF1PF	2PF3PF4PF5PF6PF7PF8PF		
HELF UP	DOWN <<<< >>>> MORE +UP +DOWN REF	ER VALID COM	IT QUIT

The standard coding procedure flow chart below summarizes the operations involved in processing responses containing both the place name and the province.

## Standard coding procedure flow chart Place name and province



## Situation/condition/action table for coding responses containing both the place name and the province

Place name and province

1 face name and province				
SITUATION	COND	ITION	ACTION	
STEP 1 The response to be coded contains both a place name and province.	a)	IF the response is in the MCB, THEN	go to STEP 2.	
Look up the place name and province in the MCB.	(b)	IF the response is not in the MCB, THEN	REFER THE RESPONSE TO THE NEXT LEVEL OF CODING.	
STEP 2 The place name and the province are listed in the MCB.	(a)	IF the response appears only once, THEN	type, validate and commit the code by going to Code Match on page 6.	
MCB.	(b)	IF the response appears more than once, THEN	go to STEP 3.	
STEP 3 The response appears more than once.	(a)	IF the responses are all in the same province, THEN	type, validate and commit the provincial TC by going to Code Match on page 6.	
Verify in the MCB to determine whether the responses are all in the same province.	(b)	IF the responses are in different provinces, THEN	type, validate and commit the national TC by going to Code Match on page 6.	

#### B. Processing Responses Containing the Place Name Only

The examples below illustrate how this category of response will appear on your screen.

#### Place name only - Example No. 1

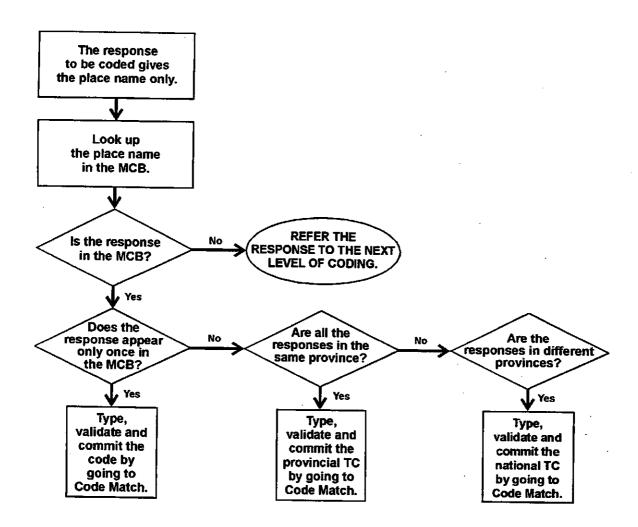
MMANUAL 1	1996 CENSUS OF POPULATION / AUTOMO	
Mrite-in to	pe coded	Type Code
Phrases retu	rned by ACTR	Codes (\$)eled
ID: 61891868	129 1 16	
	e question from each household member and Mrite-ins	Persnr: 1
HELP U	72PF3PF4PF5PF6PF7PF1 P	8PF9PF10PF11PF12 OWN REFER VALID COMIT QUIT

#### Place name only – Example N°. 2

```
1996 CENSUS OF POPULATION / AUTOMATED CODING INTERACTIVE CODING - MOBILITY 5 YEARS IN CAN.
                                                                                  17/81/96
 MMANUAL1
                                                                               13:26:51.3
 Write-in to be coded
                                                                             Type Code
 ORLEANS
 Phrases returned by ACTR
                                                                                  (S)elect
 ID: 61001060 129 1
Data for same question from each household member
                                                                          Persnr: 1
 Check-boxes and Write-ins
 ORLEANS
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12-
HELP UP. DOWN <<<< >>>> MORE +UP +DOWN REFER UALID COMIT QUIT
     HELP UP. DOWN <<<< >>>> MORE +U
CODER IS AUTHORIZED TO KEY A UALID CODE
```

The standard coding procedure flow chart below summarizes the operations involved in processing responses containing the place name only.

## Standard coding procedure flow chart Place name only



### Situation/condition/action table for coding responses containing the place name only

#### Place name only

SITUATION	COND	ITION	ACTION
STEP 1 The response to be coded contains a place name only.	(a)	IF the response is in the MCB, THEN	go to STEP 2.
Look up the place name in the MCB.	(b)	IF the response is not in the MCB, THEN	REFER THE RESPONSE TO THE NEXT LEVEL OF CODING.
STEP 2 The place name is listed in the MCB.	(a)	IF the response appears only once in the MCB, THEN	type, validate and commit the code by going to Code Match on page 6.
	(b)	IF the response appears more than once in the MCB, THEN	go to STEP 3.
STEP 3 The response appears more than once.	(a)	IF the responses are all in the same province, THEN	type, validate and commit the provincial TC by going to Code Match on page 6.
Verify in the MCB to determine whether the responses are all in the same province.	(b)	IF the responses are in different provinces, THEN	type, validate and commit the national TC by going to Code Match on page 6.

## C. Processing Responses Containing the Province Only

The examples below illustrate how this category of response will appear on your screen.

#### Province only - Example Nº. 1

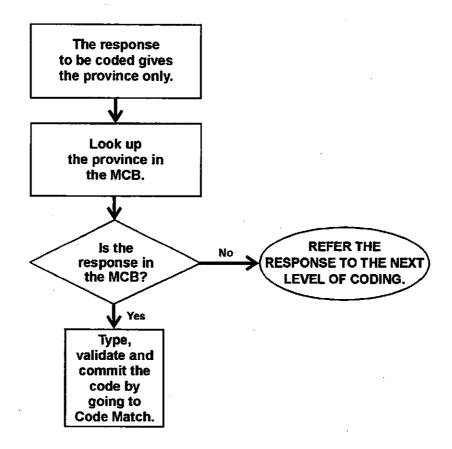
MMANUAL1	1996 CENSUS OF POPULATION / AUTOMATED COI INTERACTIVE CODING - MOBILITY 1 YEAR IN		17/01/96 3:18:54.3
Write-in to NEW BRUNSWICE		Тур	e Code
Phrases retu	rned by ACTR	Codes	(S)elect
ID: 61001053	sseesseesseesseesseesseessees 9 question from each household member and Write-ins	Persni	:==:::::::::::::::::::::::::::::::::::
HELP VI	F2PF3PF4PF5PF6PF7PF8PF9- P DOWN <<<< >>>> MORE +UP +DOWN REFE AUTHORIZED TO KEY A VALID CODE	PF10PF11- ER UALID CONIT	

### Province only – Example $N^{\circ}$ . 2

MMANUAL1  Write-in to book BRITISH COLUMBIA			17/01/9 :18:54.: Code
Phrases return	•	Codes	 (\$)elec
ID: 61001053 ( Data for same Check-boxes all BAITISH COLUMBIA	question from each household member nd Write-ins	Persnr	====== : 1
HELP UP	2PF3PF4PF5PF6PF7PF8PF DOWN <<<< >>>> MORE +UP +DOWN REF BUTHORIZED TO KEY A VALID CODE	PF18PF11- FER VALID COMIT	-PF12

The standard coding procedure flow chart below summarizes the operations involved in processing responses containing the province only.

## Standard coding procedure flow chart Province only



## Situation/condition/action table for coding responses containing the province only

#### Province only

SITUATION	ATION CONDITION ACTION		ACTION
STEP 1 The response to be coded gives the province only.	(a)	IF the response is in the MCB, THEN	type, validate and commit the code by going to Code Match on page 6.
Look up the province in the MCB.	(b)	IF the response is not in the MCB, THEN	REFER THE RESPONSE TO THE NEXT LEVEL OF CODING.

### IV. Processing Responses Containing Difficulties

### A. Processing Misspelled Responses

The examples below illustrate how misspelled responses will appear on your screen.

#### Misspelled response - Example Nº. 1

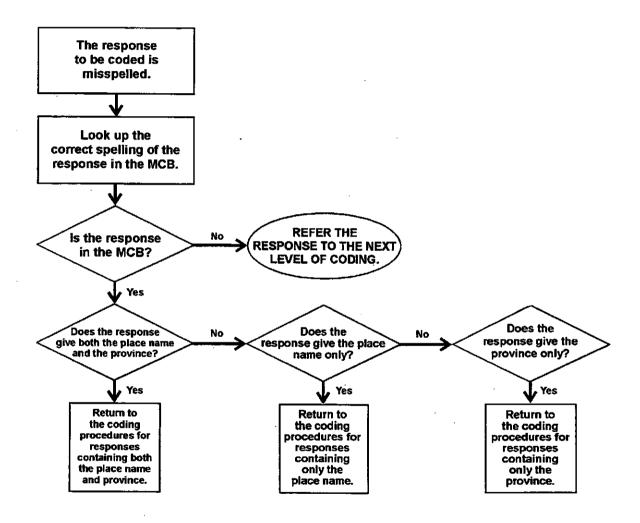
MMANUAL1	1996 CENSUS OF POPULATION / AUTOMATED ( INTERACTIVE CODING - MOBILITY 5 YEARS )		17/01/90
	THE PROPERTY OF THE PROPERTY O	IN CHN.	3:26:51.
Write-in to b MISSISAUGUA	e coded	Тур	e Code
Phrases retur	ned by ACTR	Codes	(S)elect
ID: 61001060 :======= Data for same Check-boxes a	question from each household member	Persn	
MISSISAUGUA			
nter-PF1PF	2PF3PF4PF5PF6PF7PF8PF	9PF10PF11	PF12
HELP UP		FER VALID COMI	

#### Misspelled response - Example Nº. 2

MMANUAL1	1996 CENSUS OF POPULATION / AUTOMATED CO INTERACTIVE CODING - MOBILITY 1 YEAR II	DDING N CAN.	17/61/96 13:18:54.3
Write-in to 1 ONTAIRIO	pe coded	Τ <u>ι</u>	jpe Code
Phrases retur	rned by ACTR	Codes	(S)elect
ID: 61001953	069 1 4		
Data for same Check-boxes a ONTAIRIO	question from each household member and Write-ins	Pers	:nr: 1
ntar-DE1DE	2aaa052aaa054aaa05		
HELP UP	2PF3PF4PF5PF6PF7PF8PF9 DOWN <<<< >>>> MORE +UP +DOWN REF AUTHORIZED TO KEY A VALID CODE	9PF10PF1 ER VALID COM	1- <b>-</b> PF12

The standard coding procedure flow chart below summarizes the operations involved in processing misspelled responses.

#### Standard coding procedure flow chart Misspelled responses



## Situation/condition/action table for coding misspelled responses

#### Misspelled responses

SITUATION	COND	ITION	ACTION
STEP 1 The response to be coded is misspelled.	(a)	IF the response is in the MCB, THEN	go to STEP 2.
Look up the correct spelling of the response in the MCB.	(b)	IF the response is not in the MCB, THEN	REFER THE RESPONSE TO THE NEXT LEVEL OF CODING.
STEP 2 The correctly spelled response is listed in the MCB.	IF the response gives:  (a) both the place name and the province, THEN		return to the coding procedures for responses containing both the place name and the province, on page 7.
·	(b)	the place name only, THEN	return to the coding procedures for responses containing the place name only, on page 10.
	(c)	the province only, THEN	return to the coding procedures for responses containing the province only, on page 13.

#### B. Processing Multiple Responses

The examples below illustrate how multiples responses will appear on your screen.

#### Multiple response - Example Nº. 1

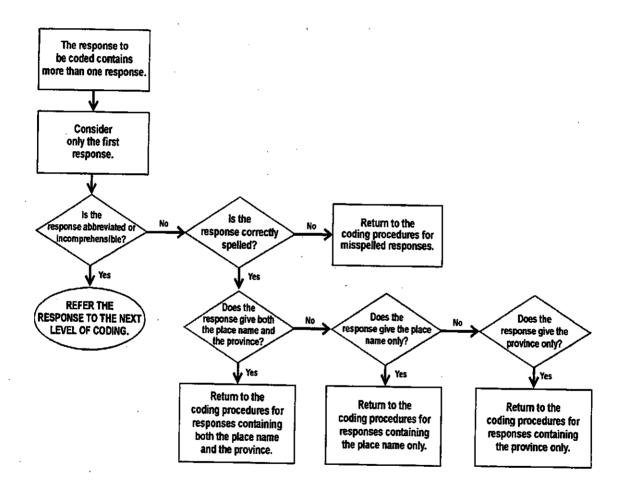
MMANUAL1	1996 CENSUS OF POPULATION / AUTOMATED COL INTERACTIVE CODING - MOBILITY 1 YEAR IN		17/01/96 13:18:54.3
Write-in to be MONTREAL ANJOU	coded	<sub>.</sub> Ty	pe Code
Phrases returne	od by ACTR	Codes	(S)elect
ID: 61991953 96	914		
Data for same of Check-boxes and MONTREAL ANJOU	westion from each household member   Write-ins	Pers	**************************************
HELP UP	PF3PF4PF5PF6PF7PF8PF9- DOWN <<<< >>>> MORE +UP +DOWN REFE ITHORIZED TO KEY A UALID CODE.	PF10PF1 R VALID COM	· · · · -

#### Multiple response - Example Nº. 2

	1996 CENSUS OF POPULATION / AUTOMATED			7/91/96
MMANUAL1	INTERACTIVE CODING - MOBILITY 5 YEARS	IN CAN.	13	: 26 : 51 . 3
Write-in to SHERBROOKE TE		•	Type	Code
Phrases retu	rned by ACTR	Coc	les (	(S)elect
ID: 61001066 	e question from each household member and Write-ins	=======================================	eeeeee Persnr:	:
	F2PF3PF4PF5PF6PF7PF8 P DOWN <<<< >>>> MORE +UP +DOWN	PF9PF10- REFER VALIC		

The standard coding process flow chart below summarizes the operations involved in processing multiple responses.

#### Standard coding process flow chart Multiple responses



#### Situation/condition/action table for coding multiple responses

#### Multiple responses

SITUATION	CONDI	TION	ACTION
STEP 1 The response to be coded contains more than one response.		IF the response is abbreviated or incomprehensible, THEN	REFER THE RESPONSE TO THE NEXT LEVEL OF CODING.
Consider only the first response.		IF the response is misspelled, THEN	return to the coding procedures for misspelled responses on page 17.
	1 '	IF the response is correctly spelt, THEN	go to STEP 2.
STEP 2 The response to be coded is correctly spelled.	IF the response gives:  (a) both the place name and the province,  THEN		return to the coding procedures for responses containing both the place name and the province, on page 7.
	(b)	the place name only, THEN	return to the coding procedures for responses containing the place name only, on page 10.
	(c) .	the province only, THEN	return to the coding procedures for responses containing the province only, on page 13.

#### C. Processing Other Responses

When processing other responses, you will find three types of responses:

- 1) abbreviated responses;
- 2) "same as", "same as person 1", "même que", "même que la Personne 1";
- 3) incomprehensible responses.

The examples below illustrate how these types of responses will appear on your screen.

Abbreviated response

MMANUAL1	1996 CENSUS OF POPULATION / AUTOMATED CODING INTERACTIVE CODING - MOBILITY 5 YEARS IN CAN.	17/01/9 13:26:51.
Mrite-in to YKN	be coded	Type Code
Phrases retu	rned by ACTR Codes	(S)elec
ID: 61001068	30 <b>1</b> (1)	-
=======================================		=======================================
Check-boxes YKN	e question from each household member Per and Write-ins	rsnr: 1
MELP U	F2PF3PF4PF5PF6PF7PF8PF9PF10PF P DOWN <<<< >>>> MORE +UP +DOWN REFER VALID CO AUTHORIZED TO KEY A VALID CODE.	F11PF12 DMIT QUIT

### Response "same as", "same as Person 1", "même que", "même que la Personne 1"

#### Other type of response

	1996 CENSUS OF POPULATION / AUTOMATED CODING	3	17/61/96
MMANUAL1	INTERACTIVE CODING - MOBILITY 1 YEAR IN CAN		3:18:54.3
Write-in to FORGETIT	be coded	Тур	e Code
Phrases retu	rned by ACTR	Codes	(S)elect
ID: 61001053	869 1 4		
	e question from each household member and Write-ins	Persn	r: 1
· onac · ii			
	F2PF3PF4PF5PF6PF7PF8PF9I		
HELP U	P DOWN <<<< >>>> MORE +UP +DOWN REFER \ AUTHORIZED TO KEY A VALID CODE.	JALID COMI	T DUIT

These types of responses are not dealt with in this Procedures Manual. Such responses must be analyzed by expert coders. You must REFER THESE TYPES OF RESPONSES TO THE NEXT LEVEL OF CODING.

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