# National Survey of Information Technology Occupations, 2002: Employer Survey (Public sector)

## **INITIAL CONTACT**

Hello this is (interviewer) from Statistics Canada. We're conducting a survey on occupations specializing in information technology on behalf of the Software Human Resource Council.

### **NOTE TO PROGRAMMER:**

Create a new variable called INITIAL as follows:

If NAME = blank, then INITIAL = "May I please speak with the manager or supervisor of the information technology staff in your area?"

Else INITIAL = "May I please speak with (NAME)?"

### (INITIAL)

## INTRODUCTION

[Hello this is (interviewer) from Statistics Canada. We're conducting a survey on occupations specializing in information technology.]

Your answers will be kept strictly confidential and used only for statistical purposes. My supervisor may listen in to evaluate the survey.

## SECTION A - Screening Questions

IA Throughout this interview we will be asking questions relating to the occupations you employ in your area.

### NOTE TO PROGRAMMER:

Read the complete address of this location to the interviewee to avoid possible errors

NOTE:	
Whenever the notation (variable in the ( ).	) is used, it means that the space should be filled with the

#### NOTE TO PROGRAMMER:

Please put the following definition on the same screen as QA1.

**Information technology occupations:** For the purpose of this survey, information technology occupations are those whose primary functions are the management, design, development, analysis, implementation or maintenance of computer and telecommunications hardware, software, networks or information systems.

Contract workers (workers hired on contract): are either employed by another company or are self-employed and a lump sum of money is paid for their services for a specified project or period of time.

# QA1 How many employees work in information technology occupations, excluding contract workers and volunteers?

<0> Nonego to	IA2
<1-99995> Numbergo to	IA2
<999998> Refusedgo to	
<999999> Don't Knowgo to	

IA2For our purposes, workers hired on contract are either employed by another company or are self-employed and a lump sum of money is paid for their services for a specified project or period of time.

## QA2 Do you hire workers ON CONTRACT in information technology occupations?

<1>	Yes	go to QA2a
<3>	No	go to QA3
<8>	Refused	go to QA3
<9>	Don't Know	go to QA3

# QA2a How many information technology workers are CURRENTLY working ON CONTRACT for you?

<0>	None	go to QA3
<1-999995>	Number	go to QA2b
<999998>	Refused	go to QA3
<999999>	Don't Know	go to QA3

# QA2b How many of the information technology workers CURRENTLY working ON CONTRACT with you would you like to hire as employees?

<1>	All	go to QA3
<2>	More than half	go to QA3
	Half	
	Less than half	
	None	
	Refused	
	Don't Know	

# QA3 In total, how many people do you CURRENTLY employ, excluding contract workers and volunteers?

<0-999995>Number	go to SCREEN
<999998>Refused	<u> </u>
<99999>Don't Know	go to SCREEN

#### NOTE TO PROGRAMMER:

Create a new variable called EMPTYPE as follows:

If QA1=0 and (QA2=(3 or RF or DK) or QA2a=(0), then EMPTYPE = (0)

If QA1=(1-999995 or RF or DK) and (QA2=(3 or RF or DK) or QA2a=0), then EMPTYPE = 1 (Employees only)

If QA1=0 and (QA2=1 and QA2a not equal 0), then EMPTYPE = 2 (Contract workers only)

If QA1=(1-999995 or RF or DK) and (QA2=1 and QA2a not equal 0), then EMPTYPE = 3 (Employees and contract workers)

## **SCREEN**

**Screen:** The system will now screen out all of the companies who do not currently have information technology professionals.

If EMPTYPE=0, then go to NO EMPLOYEES

If EMPTYPE = 1 or 2 or 3, then go to IB

#### NOTE TO PROGRAMMER:

Create new variables called EMPTYPE1 and EMPTYPE2 and EMPTYPE3 as follows:

If EMPTYPE=1, then EMPTYPE1= "the number of people CURRENTLY employed" and EMPTYPE2 = "an employee" and EMPTYPE3 = "employees"

If EMPTYPE=2, then EMPTYPE1= "the number of people CURRENTLY working on contract" and EMPTYPE2 = "a contract worker" and EMPTYPE3= "people working on contract"

If EMPTYPE=3, then EMPTYPE1= "both the number of people CURRENTLY employed, and the number of people working on contract" and EMPTYPE2= "an employee or contract worker" and

EMPTYPE3 = "employees or people working on contract"
NOTE:
If EMPTYPE = 1, interviewers will not need column 2
If EMPTYPE = 2, interviewers will not need column 1

## **SECTION B – Occupation Selection**

IB We will be asking you to indicate (EMPTYPE1) in specific information technology occupations. From now on, we will refer to these as IT occupations.

PLEASE NOTE: if <u>(EMPTYPE2)</u> performs more than one job, then assign the occupations which best describe the position where most hours are spent.

How many (EMPTYPE3) do you have in the following occupations:

		QB1_ Number of employees (excluding contract workers and volunteers)	QB2_ Number of <u>contract workers</u>
1. Compute	er and information systems rs (0213)		
	ct managers (0213.1)		
· ·	erce managers (0611.5)		
	and electronics engineers, except		<del></del>
compute	r engineers (2133)		
5. Compute	er and telecommunications hardware s (2147.1)		
6. Network	system and data communication		
_	s (2147.2)		
	tion systems business analysts and nts (2171.1)		
8. Systems	security analysts (2171.2)		
•	tion systems quality assurance		
•	auditors (2171.4)		
•	e analysts (2172.1)		<del></del>
	ninistrators (2172.2)		<del></del>
	e engineers (2173)		<del></del>
	er programmers (2174.1)		<del></del>
	ve media developers (2174.2)		<del></del>
	igners and developers (2175)		<del></del>
	and electronics engineering technologists		
	nicians (2241)		
	er and network operators (2281.1)		
19. Web tech	hnicians (2281.2)		

		QB1_ Number of employees (excluding contract workers and volunteers)	QB2_ Number of contract workers
	ers (5121.2) ners (5241.1)		
<0> <1-999995> <999998> <999999>	NumberRefused	go to next occupated flag and go to next occupated	t occupation, then A tion, then A
NOTE TO PROGrandom selection.		in the first column (QB1_) should be	e flagged for later
NOTE TO PRO	OGRAMMER:		_
Create a new var	riable called NUMOCCS as fo	llows:	
If no occupation	s (from QB1_1 to QB1_25) w	ere flagged then NUMOCCS=0	
If only 1 occupa	tion (from QB1_1 to QB1_25)	) was flagged then NUMOCCS =	1
If 2 occupations	(from QB1 1 to QB1 25) we	re flagged then NUMOCCS = 2	
_		B1 25) were flagged then NUMO	CCS =3
A D I	(EMPENIDES):		
•	go to A_1	er information technology od VB	ecupation?
<3> No <8> Refused	go to FLOW go to FLOW		
<3> No <8> Refused			
<3> No	go to FLOW	V B	
<3> No	go to FLOW	VB c kind of work:	
<3> No	go to FLOW nowgo to FLOW e specify the occupation or	w kind of work: go to A_2	nation?
<3> No	e specify the occupation or	V B  r kind of work: go to A_2  ctivities or duties of this occu	pation?
<3> No	go to FLOW nowgo to FLOW e specify the occupation or	V B  r kind of work: go to A_2  ctivities or duties of this occu	pation?
<3> No	e specify the occupation or	V B  r kind of work: go to A_2  ctivities or duties of this occu	pation?

	QB1_ Employees	QB2_ Contract workers
A_3 How many of these (EMPTYPE3) do you have?		
<0-999995> Numbergo to B <999998> Refusedgo to B <999999> Don't Knowgo to B		
B Do you have ( <u>EMPTYPE3</u> ) in any other information technology occupation?		
<1> Yes       go to B_1         <3> No       go to FLOW B         <8> Refused       go to FLOW B         <9> Don't Know       go to FLOW B		
B_1 Please specify the occupation or kind o		
B_2 What are the most important activities	_	upation?
3	_	
	QB1_ Employees	QB2_ Contract workers
B_3 How many of these (EMPTYPE3) do you have?		
<0-999995> Numbergo to FLock	OW B	

#### NOTE TO PROGRAMMER:

Create two new variables called TOTALIT and TOTALCW as follows:

```
\begin{aligned} & TOTALIT = QB1\_1 + QB1\_2 + QB1\_3 + QB1\_4 + QB1\_5 + QB1\_6 + QB1\_7 + QB1\_8 + QB1\_9 + QB1\_10 \\ & + QB1\_11 + QB1\_12 + QB1\_13 + QB1\_14 + QB1\_15 + QB1\_16 + QB1\_17 + QB1\_18 + QB1\_19 + QB1\_20 + QB1\_21 + QB1\_22 + QB1\_23 + QB1\_24 + QB1\_25 \\ & (not including RF and DK) \end{aligned}
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$$\begin{aligned} & \text{TOTALCW} = \text{QB2}\_1 + \text{QB2}\_2 + \text{QB2}\_3 + \text{QB2}\_4 + \text{QB2}\_5 + \text{QB2}\_6 + \text{QB2}\_7 + \text{QB2}\_8 + \text{QB2}\_9 + \\ & \text{QB2}\_10 + \text{QB2}\_11 + \text{QB2}\_12 + \text{QB2}\_13 + \text{QB2}\_14 + \text{QB2}\_15 + \text{QB2}\_16 + \text{QB2}\_17 + \text{QB2}\_18 + \text{QB2}\_19 \\ & + \text{QB2}\_20 + \text{QB2}\_21 + \text{QB2}\_22 + \text{QB2}\_23 + \text{QB2}\_24 + \text{QB2}\_25 \text{ (not including RF and DK)} \end{aligned}$$

## **FLOW B**

The system will now determine the questionnaire flow based on the responses given so far.

If EMPTYPE=2, then go to QG5

If EMPTYPE=(1 or 3) and NUMOCCS = 0 and A=1, then go to QG5

If EMPTYPE=(1 or 3) and NUMOCCS = 0 and A=3, then go to NO EMPLOYEES.

Else, go to RANDOMIZE

## **RANDOMIZE**

The system will now take all of the "flagged" occupations from QB1\_1 to QB1\_25 and:

If NUMOCCS = 1, select the flagged occupation for further questions.

If NUMOCCS = 2, select both flagged occupations for further questions.

If NUMOCCS = 3, the system will randomly select 2 of the flagged occupations for further questions.

NOTE: The system should keep the NOC code, the occupation title and the number of employees reported for each selected occupation. These variables should be named NOC1, NOC2, Occupation1, Occupation2, Number1 and Number2.

For example, from the randomized selection we have:

Occupation1: 2172.1 Database Analysts Number of employees: 7

Occupation2: 2147.1 Computer and telecommunications hardware engineers

Number of employees: 2

\*

## **SECTION C – Occupational Profile**

#### NOTE TO PROGRAMMER:

The system should be set up with 2 columns – one for each occupation. Each of the questions from QC1 to QF5 will be asked about each selected occupation.

NOTE: If NUMOCCS=1, then the interviewers will not need column 2

Where the notation (\_\_\_) exists, the space should be filled with the variable indicated in the ().

#### NOTE TO PROGRAMMER:

Create two new variables called INTRO and CEPROF as follows:

If CDOCC1=blank and NUMOCCS = 1, then INTRO= "We will now ask you some questions about the (occupation1) who work in your area." and CEPROF = « this occupation »

If CDOCC1=blank and NUMOCCS = 2, then INTRO = "We will now ask you some questions about the (occupation1) and (occupation2) who work in your area." and CEPROF = « these occupations »

If CDOCC1=blank and NUMOCCS = 3, then INTRO = "The computer has randomly selected two of the information technology occupations present in your area. It has selected (occupation1) and (occupation2). We will now ask you some questions about these occupations." and CEPROF = « these occupations »

If CDOCC1 not blank and NUMOCCS = 1, then INTRO= "Recently, you were sent a package that included a CD application to collect data on your employees in information technology occupations. We would like to thank you for providing the requested information to us. At the same time, you were told that Statistics Canada would be contacting you to conduct a more in-depth interview. We will now ask you some questions on the occupation chosen by the CD application, that is the (CDOCC1) who work in your area." and CEPROF = « this occupation »

If CDOCC1 not blank and (NUMOCCS = 2 or NUMOCCS = 3), then INTRO = "Recently, you were sent a package that included a CD application to collect data on your employees in information technology occupations. We would like to thank you for providing the requested information to us. At the same time, you were told that Statistics Canada would be contacting you to conduct a more in-depth interview. We will now ask you some questions on the 2 occupations chosen by the CD application, that is the (CDOCC1) and the (CDOCC2) who work in your area." and CEPROF = « these occupations »

When CDOCC1 is not blank, CDOCC1 = Occupation1 When CDOCC2 is not blank, CDOCC2 = Occupation2

IC <u>(INTRO)</u> The remainder of the interview will cover the occupation profile, the hiring, retention and training of employees in this (these) occupation(s).

If NUMOCCS = 1, then SELOCC= (occupation1) or (CDOCC1) and DESC = (occupation1) or

NOTE TO PROGRAMMER

(CDOCC1),

Create two new variables called SELOCC and DESC as follows:

	What ish ti	itles de ven give to (SELOCC)	Y ( <u>Occupatio</u>	<u>n1)</u>	Z (Occupation2)
	w nat job ti	itles do you give to (SELOCC)	1		
	•				
			4		
			5		
>		go to IC2			
>	Don't Know	y go to IC2			
2	(CEPROF)	ng questions are about the full-ti . For our purposes, full-time em ore per week, and part-time emp	ployees are	defined as	working 30
C <b>2</b>	(CEPROF) hours or m	. For our purposes, full-time em	ployees are	defined as	working 30
2	(CEPROF) hours or m	. For our purposes, full-time em	ployees are bloyees work Y	defined as cless than	working 30 30 hours per
	(CEPROF) hours or m week.	. For our purposes, full-time em	ployees are bloyees work Y	defined as cless than	working 30 30 hours per Z
	(CEPROF) hours or m week.  How many	. For our purposes, full-time em ore per week, and part-time emp	ployees are bloyees work Y ( <u>O</u>	defined as cless than	working 30 30 hours per Z
C2 2C2	(CEPROF) hours or m week.  How many QC2_1 INI	. For our purposes, full-time emore per week, and part-time empore per week, and part-time em	ployees are bloyees work Y ( <u>O</u>	defined as cless than	working 30 30 hours per Z
	(CEPROF) hours or m week.  How many QC2_1 INI QC2_2 TE	. For our purposes, full-time emore per week, and part-time empore per week, and part-time empore (SELOCC) are:	ployees are sloyees work Y ( <u>O</u> employees?	defined as cless than	working 30 30 hours per Z
	(CEPROF) hours or m week.  How many QC2_1 INI QC2_2 TE QC2_3 INI	. For our purposes, full-time emore per week, and part-time empered (SELOCC) are:  DETERMINATE, FULL-TIME of RM, FULL-TIME of	ployees are sloyees work Y ( <u>O</u> employees?	defined as cless than	working 30 30 hours per Z
	How many QC2_1 INI QC2_2 TE QC2_3 INI QC2_4 TE	. For our purposes, full-time emore per week, and part-time empore per week, and part-time empore per week, and part-time empore per week, and part-time employees?  RM, FULL-TIME employees?  RM, PART-TIME employees?	ployees are ployees work  Y (O employees?	defined as cless than	working 30 30 hours per Z
	How many QC2_1 INI QC2_2 TE QC2_3 INI QC2_4 TE <0>	. For our purposes, full-time emore per week, and part-time emposes, full-time emposes, full-time emposes; are:  DETERMINATE, FULL-TIME employees? DETERMINATE, PART-TIME RM, PART-TIME employees? Nonego to	ployees are bloyees work  Y (O) employees?  employees?	defined as cless than	working 30 30 hours per Z
	How many  QC2_1 INI  QC2_2 TE QC2_3 INI  QC2_4 TE  <0> <1-999995>	. For our purposes, full-time emore per week, and part-time empore per week, and part-time empore per week, and part-time empore per week, and part-time employees?  RM, FULL-TIME employees?  RM, PART-TIME employees?	ployees are bloyees work  Y (O) employees?  employees?	defined as cless than	working 30 30 hours per Z

# **SECTION D – Hiring and recruitment**

ID The following questions are about hiring and recruitment practices in your area.

		Y ( <u>Occupation1)</u>	Z (Occupation2)
	many ( <u>SELOCC</u> ) been hired within the last 6 months?		
<0>	Noneif $QD1Y = 0$		
<1-999995>	Numberif $QD1Y = 1$ if $QD1Y > 1$	, go to QD2Z , go to QD1aY , go to QD1bY , go to QD1aZ	
	$\begin{array}{ccc} & & \text{if QD1Z} > 1 \\ \text{Refused} & & \text{go to QD2} \\ \text{Don't Know} & & \text{go to QD2} \\ \end{array}$	, go to QD1bZ	
		Y ( <u>Occupation1)</u>	Z ( <u>Occupation2)</u>
QD1:	a Did this new (SELOCC) require competency or skills upgrading training, excluding orientation after being hired?		
<1><3><8><9>	Yes		
		Y (Occupation1)	Z (Occupation2)
QD1	b How many of these new ( <u>SELOCC</u> ) required competency or skills upgra training excluding orientation after being hired?	ding 	
<1> <3> <8> <9>	Nonego to QD2Numbergo to QD1cRefusedgo to QD2Don't Knowgo to QD2		

			Y (Occupation1)	Z (Occupation2)
	QD1c	On average, how many days of training, excluding orientation, did it take for these employees to acquire these competencies or skills?		
	<1><2><3><4><6><6><8><9><	1 to 4 days       go to QD2         5 to 9 days       go to QD2         10 to 14 days       go to QD2         15 to 19 days       go to QD2         20 to 24 days       go to QD2         25 days or more       go to QD2         Refused       go to QD2         Don't Know       go to QD2	V	7
			Y (Occupation1)	Z (Occupation2)
QD2	from of (Mark)  1 Fr 2 Ac	staffing for (SELOCC) outside the public sector, do you recruit all that apply) (READ THE LIST) om within your region cross the province	<b>t</b>	
		ross Canada her t Please specify		
	<3> N <8> F	Yesgo to next Nogo to next Refusedgo to next Don't Knowgo to next	region, then go to QD2 region, then go to QD2	3

# QD3 When recruiting outside the public sector, which of the following recruitment methods do you use to fill available positions for (<u>DESC</u>)?

(Mark all that apply) (READ THE LIST)

(171	and and apply) (REIID TITE Elot)	Y	,	Z
		(Occupation1)	_	Occupation2)
		\ <u> </u>	·	
1	<b>Employee referrals</b>		_	
2	Help wanted ads (print media)		_	
3	Unsolicited résumés		_	
4	Word-of-mouth		_	
5	Informal networking		_	
6	University, college or IT institutes		_	
7	Job fairs		_	
8	Internet recruiting agency		_	
9	Internet jobs and ads web sites		_	
10	<b>Government Web site</b>		_	
	Government employment centres		_	
	Head-hunter or personnel agency		-	
13	User groups and professional associations		_	
	email list			
	Public sector official staffing procedures		-	
15	Other		-	
	15_t Please specify this (these) other			
1.0	method(s)		-	
10	Not applicable (don't recruit)		-	
~1·	> Yesgo to next	method than I	ELOW D	2
	> No			
	> Refusedgo to next			
	> Don't Knowgo to next			
\ <i>J</i> .	Don't isnowgo to next	incuiou, men i	LOWD.	,

## FLOW D3

The system will now determine the questionnaire flow based on the responses given so far.

If  $QD3_15 = 1$ , then go to QD5.

If each of  $(QD3_1 \text{ to } QD3_14) = 3 \text{ or RF or DK}$ , then go to QD5.

If any of  $(QD3_1 \text{ to } QD3_14) = 1$ , then go to QD4.

	Y (Occupation1)	Z (Occupation2)
QD4 Of the external recruitment methods just list which one do you find MOST effective, in terms of finding qualified (SELOCC)? (mark only one) (DO NOT READ LIST)	eted,	
<01> Employee referrals	go to OD5	
<02> Help wanted ads (print media)	•	
<03> Unsolicited résumés	_	
<04> Word-of-mouth	`	
<05> Informal networking	go to QD5	
<06> University, college or IT institutes		
<07> Job fairs	go to QD5	
< 08 > Internet recruiting agency	go to QD5	
<09> Internet jobs and ads web sites	go to QD5	
<10> Government Web site	•	
<11> Government employment centres	go to QD5	
<12> Head-hunter or personnel agency	go to QD5	
<13> User groups and professional		
associations email list	go to QD5	
<14> Public sector official staffing procedures	go to QD5	
<15> Other	•	
<98> Refused	•	
<99> Don't Know	go to QD5	
	Y	Z
	(Occupation1)	(Occupation2)
QD5 How many (DESC) positions are you plann	ing to fill?	
<0> None		
<1-999995> Number		
<999998> Refused go to QD6		
<999999> Don't Know		

		Y	L
		(Occupation1)	(Occupation2)
	QD5a How many of these vacant positions have remained vacant for four months or longer because of lack of qualified candidates?	<b>Σ</b>	
	<0>       None		
QD6	Which of the following factors make it especially challenging to staff positions for (1? (mark ALL that apply) (READ THE LIST)	DESC)	
	<ol> <li>Lack of applicants with relevant experience</li> <li>Lack of applicants with relevant level education (Bachelor's, Masters, etc.)</li> <li>Lack of applicants with required skills</li> <li>Other employers offer better salaries, incentives or benefits</li> <li>Other employers offer better opportunity for career development or growth</li> <li>Other employers offer more challenging or interesting projects</li> <li>Other employers provide the opportunity to use leading-edge technology</li> <li>Other employers have a more enticing location</li> <li>Lack of communication skills/         Language barriers</li> <li>Better conditions in the U.S. or overseas</li> <li>Public sector staffing regulations</li> <li>Other</li> <li>12_t Please specify the other factors</li> <li>Not applicable</li> </ol>		
	<1> Yes	then QD7 t, then QD7	

		Y	${f Z}$
		(Occupation1)	(Occupation2)
OD7	When hiving (SELOCC) have much		
QD/	When hiring <u>(SELOCC)</u> , how much importance do you		
	place on experience compared to education?		
	(mark only one)(READ THE LIST)		
	(mark only one)(READ THE LIST)		
<1>	More importance	go to OD8	
<2>	Same importance	•	
<3>	Less importance	•	
<4>	No importance	•	
<8>	Refused	go to QD8	
<9>	Don't know	go to QD8	
		_	
വരി	Does your area provide		
QDoi	any of the following types of non-financial		
	benefits to (SELOCC)?		
	(mark ALL that apply) (READ THE LIST)		
	(	Y	${f Z}$
		(Occupation1)	(Occupation2)
		<u> </u>	\ <u>.</u>
	1 Recreation facilities and/or memberships		
	2 Professional memberships		
	3 Day care facilities and/or support	- <u></u> -	
	4 Flexible working hours		
	5 Organized social activities	<del> </del>	
	6 Possibility to work from outside the office	e/	
	provide Internet access, computer,		
	cellular phone, etc.		
	7 Free or reduced parking fee or mass		
	transit subsidy		
	8 Complimentary beverages and food		
	9 Other non-financial benefits		
	9_t Please specify these other		
	non-financial benefits		
	10 Not applicable		
	<1> Yes go to next type, t	hen IE	
	<3> No	hen IE	
	<8> Refused	hen IE	
	<9> Don't Know go to next type, t	hen IE	

# **SECTION E – Employee retention**

IE The following questions are about employee retention.

					Y (Occupation1)	Z (Occupation	2)
QE1		left thei	ELOCC) r positions	in the past			
<0>				if QE1Y:			
<1 <b>-</b> 99	9995>	Numbe	r		>=1, go to QE2_1Y >=1, go to QE2_1Z		
<9999 <9999		Refused	1	go to IF	1, 50 to \( \( \) = _1=		
QE2		•	the ( <u>SELC</u> positions,	OCC) in the last 6 m	onths:		
	1 To		T job elsew	vhere inside pu	ıblic sector,		
	2 To	ook an I		ide your public	e sector,		
	3 To		T job outsi UNITED	ide your public STATES	e sector,		
	4 To		•	de your public try other than			
				own company			
		the IT	s returning field for a c ent field	_			
			left the lab				
			terminated ther reasor				
	10 2.		lease speci				
	<0> <1-99 <9999	9995> 998>	Number Refused	go to nex	at reason, then IF at reason, then IF at reason, then IF at reason, then IF		

# **SECTION F – Training and Development**

IF	The following questions deal with the nat	ure and extent of trai	ning.		
QF1					
<b>A</b> )	Who is responsible for determining the nature of training needed by employees? (mark ALL that apply)				
		Y	Z		
		(Occupation1)	(Occupation2)		
	1 Human resources manager				
	2 Information technology manager				
	3 Chief information officer				
	4 General manager				
	5 Direct reporting manager				
	6 Employee				
	7 Other				
<b>B</b> )	Who is responsible for determining which employees				
	receive this training? (mark ALL that apply	v) <b>Y</b>	Z		
		( <u>Occupation1)</u>	(Occupation2)		
	1 Human resources manager				
	2 Information technology manager				
	3 Chief information officer				
	4 General manager				
	5 Direct reporting manager				
	6 Employee				
	7 Other				
	215 37	41 4 3	TE A		
	<1> Yes	-			
	<1> Yes	sponsible person then	IFA .		

IFA Now, we will ask some questions about FORMAL TRAINING. For our purposes, FORMAL TRAINING includes all types of training intended to develop your employees' skills or knowledge through a STRUCTURED FORMAT, whether it takes place inside or outside your area. It EXCLUDES computer-based training and on-line courses.

		$\mathbf{Y}$	${f Z}$
		(Occupation1)	(Occupation2)
QF2	Within the last 6 months, he many (SELOCC) received was paid for in full or in pa	formal training that	
<0><1-99 <9999	9995> Number		
		Y (Occupation1)	Z ( <u>Occupation2)</u>
QF3	Which of the following typ did your area pay for in fu or in part for (SELOCC)? (mark ALL that apply) (REA	dll	
	<ul> <li>6 Computer hardware</li> <li>7 Communication or intestills</li> <li>8 Government program of</li> </ul>	d/or programmingerpersonaldelivery/product	
	<1> Yes	Go to next type, then QF4 Go to next type, then QF4	

		Y ( <u>Occupation1)</u>	Z (Occupation2)
QF4	On average, how many days of this formal training did each employee in (CEPROF) receive, within the last 6 months?	( <u>occupation1)</u>	<u>(Occupation2)</u>
<0> <1-36. <998> <999>	Refused go to IFB		
IFB	We will now ask some questions about IN survey, INFORMAL or ON-THE-JOB T and can provide the employee with inform THE-JOB TRAINING may involve confectomputer-based or on-line training.	RAINING is acquired nation, skills and apti	l as part of doing the job tudes. INFORMAL or ON-
		Y (Occupation1)	Z (Occupation2)
QF5	Within the last 6 months, did the ( <u>SELOCC</u> ) working in your area acque knowledge through INFORMAL or ON-THE-JOB training?	uire new IT skills or	
<1> <3> <8> <9>	Yes go to IG1  No. go to IG1  Refused go to IG1  Don't Know go to IG1		
	**************************************		*******
Not	e to programmer:		
	DOCC1 = blank		

IG1 Over the next few weeks, we will be conducting a survey of EMPLOYEES in information technology occupations on behalf of the Software Human Resource Council. We are counting on the employers of these workers to assist us with this survey.

QG1	numbers	_ <b>_</b>	a list of the names and business telephone e same selected IT occupation(s) so that they ding this survey?
<1>	Yes		go to QG3
<3>			go to QG2
<8>			go to QG2
<9>			go to QG2
QG2	Would y (CEPRO	_	e survey material to some of your employees in
<1>	Yes		go to IG2
<3>			go to REFUSAL SCREEN,
			then IG2 if convinced
<8>	Refused.		go to REFUSAL SCREEN,
			then IG2 if convinced
<9>	Don't Kn	10W	go to REFUSAL SCREEN,
			then IG2 if convinced
QG3	Could yo	ou please use the Electron	nic Data Return Facility contained in the CD-nformation electronically?
<1>	Yes		go to IG3
<3>			go to QG3_A
<9>			go to QG3_A
	the "EM	PLOYEES LIST" has to	n provided in the package and note that only be filled-in.  go to QG5
	QG3_A	you may provide this in your preference?	ames and business phone numbers available, information by fax or over the phone. What is
			go to IG3_A
			go to QG4
		->/ DUII t NIIUW	go w 103_A

	IG3_A A paper form was provided in the package you received earlier to fill in the names and business phone numbers of the employees in the selected occupation(s). Please use this form to transmit the information to us. The fax number is indicated on the form.
	Go to QG5
Pı	rogrammer: Please create a file containing the contact information of each employee for (Occupation1) and (Occupation2). (If only 1 occupation selected, there is no need for a file for (Occupation2).
	1> Last Name 2> First Name 3> Telephone Number 4> Extension Number 5> Specific Address (e.g. building, floor, and/or section number)
QG4	I will now take the contact information for each <u>(SELOCC)</u> . (Interviewer: ask questions <1> to <5> for each employee in each selected occupation).
<1> <2> <3> <4> <4> <5>	Last Name? First Name? Telephone Number? Extension Number? Specific Address (e.g. building, floor, and/or section number)?go to QG5
<b>QG5</b> <1> <3>	The interview is now finished. Do you have any comments about this survey?  Yes
QG5_	t Comments: go to END
Since	MPLOYEES  your company (organization) does not have any employees in information technology ations, we have no further questions. (go to END)
<u>END</u>	
Thank	you for your time.

### **REFUSAL SCREEN**

Your co-operation is important because the survey will provide businesses and government with up-to-date data on the labour market for those information technologies (IT) occupations.

The results will be used to shape programs and policies relating to help IT occupations. Your participation is essential in order for survey results to be reliable.

### Stress:

- Importance of the respondent's information
- That the respondent's data will represent the responses of many other businesses
- Need for co-operation in order to produce reliable information
- Importance of these occupations and their industry
- Address confidentiality issues
- Users and uses: The results will provide both businesses and government with much needed information on this important group of occupations.
- Treasury Board and the provincial Chief Information Officer are aware of this survey and are supporting this survey.