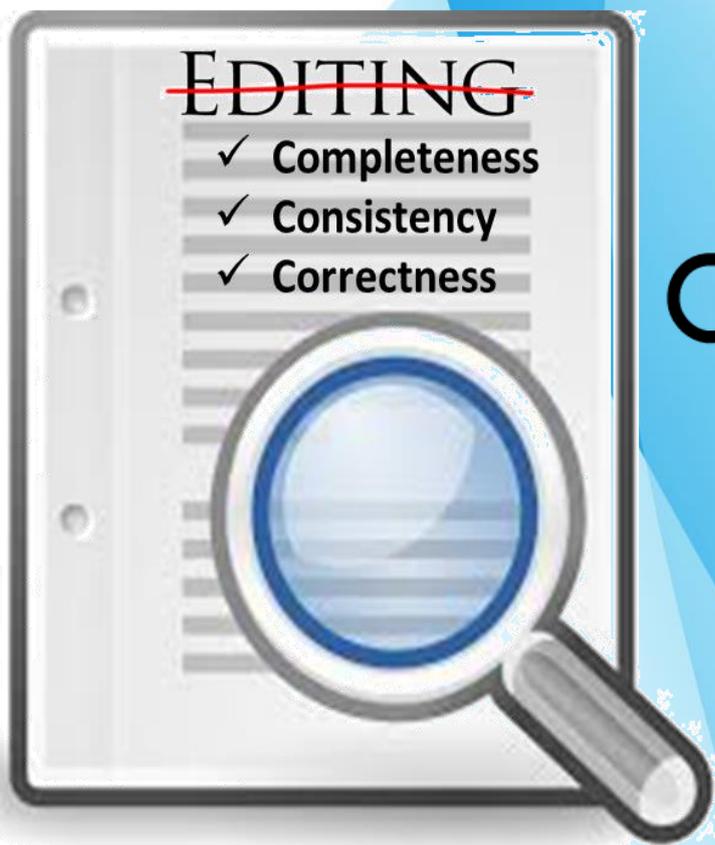




# 2017 Survey on Costs and Returns of Tomato Production



# EDITING GUIDELINES

**May 2017**



REPUBLIC OF THE PHILIPPINES

**PHILIPPINE STATISTICS AUTHORITY**

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# 2017 SURVEY ON COSTS AND RETURNS OF TOMATO PRODUCTION

## EDITING AND CODING GUIDELINES

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### I. Introduction

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This document serves as editing and coding manual for the 2017 Survey on Costs and Returns (SCR) of Tomato Production. It contains general and specific instructions that will guide the field supervisors in checking the completeness, consistency and acceptability of data items in the accomplished 2017 SCR Tomato questionnaires.

It is highly recommended that these guidelines must be **READ and STRICTLY FOLLOWED** in order to improve the quality of data that enters into the computerized data processing system.

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### II. General Instructions

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1. Use a red ball pen in editing the accomplished questionnaires.
2. Editing aides such as field operations manual, list of sample barangays and Philippine Standard Occupational Classification (PSOC) should be at hand before editing/ coding starts.
3. Do not erase an entry on the questionnaire. To delete an erroneous entry, cross it out with a single horizontal line and write the correction above the original entry.
4. Ensure that all entries are logical and consistent. Always look for marginal notes or explanations in cases of extreme or missing information. If no such notes are found and entries are inconsistent and/or incomplete, verify with the Statistical Researcher (SR) who collected the data or do a back-checking activity.
5. Write a dash (-) or draw a horizontal line for items that are not applicable to denote that editing was done and that confirmation was made where entry is not necessary.
6. Correct numerical items that are not written in the required number of decimal places by adding leading or trailing zeroes.
7. Make sure that **GO TO** instructions are followed.

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### III. Completeness Check

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Prior to the editing and coding of information, check the completeness of the 2017 SCR Tomato survey returns by sorting them and checking against the list of sample farmers. The steps below allow the editor to check the completeness of survey returns:

1. Batch or group the questionnaires by barangay.
2. For each barangay, arrange the questionnaires by sample farmer in the order they are found in the list of sample farmers. Ensure that each barangay has five (5) sample farmers.
3. For each of the municipality, sort the questionnaires by barangay in alphabetical order.
4. Sort the questionnaires by municipality in alphabetical order.
5. At the upper right portion of the questionnaire is the Questionnaire Control Number (**QC No.**). The two boxes should correspond to the number of the questionnaire starting from **01 to 75**. This will serve as the tracking number for every province.
6. Ensure that the total number of samples for each province is **75**.

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### IV. Editing and Coding of Data

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This section contains specific coding and editing guidelines. This is necessary to facilitate electronic data processing activity. The computerized processing program for 2017 SCR Tomato is designed using MS Excel. The coding and editing guides below aim to ensure the correctness and consistency of the data to be subjected for data processing.

#### A. FARM LOCATION

1. Check the codes for region, province, city/municipality and barangay. It should be the same with the Philippine Standard Geographic Code (PSGC) indicated in the List of Sample Barangays.

## Illustration 1

**CO Copy**



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**2017 SURVEY ON COSTS AND RETURNS OF TOMATO PRODUCTION**  
**List of Sample Barangay**

**REGION: 01 - ILOCOS REGION**

**CODE - NAME**

**REGION: 28 - ILOCOS NORTE**

**CODE - NAME**

No.	GEOCODE	REGION	PROVINCE	MUN	BRGY	REGION NAME	PROVINCE NAME	NAME OF MUNICIPALITY	NAME OF BARANGAY	REMARKS
1	012805006	01	28	05	006	Ilocos Region	Ilocos Norte	Batac City	Baoa West	
2	012805031	01	28	05	031	Ilocos Region	Ilocos Norte	Batac City	Palongpong	
3	012805020	01	28	05	020	Ilocos Region	Ilocos Norte	Batac City	Pimentel	
4	012805044	01	28	05	044	Ilocos Region	Ilocos Norte	Batac City	Tabug	
5	012809007	01	28	09	007	Ilocos Region	Ilocos Norte	Dingras	Bungcag	

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**2017 SURVEY ON COSTS AND RETURNS OF TOMATO PRODUCTION**

Last Completed Cropping Cycle Within **SEPTEMBER 2016 TO MAY 2017**

QC No. 15

**A. FARM LOCATION**

1. Region : ILOCOS REGION 01    2. Province : ILOCOS NORTE 28    3. City/Municipality : BATAC CITY 05    4. Barangay : PIMENTEL 020

### B. SAMPLE IDENTIFICATION

1. Check the name of sample farmer/operator if legibly written. It must be written in Last Name, First Name, and then Middle Initial format and in capital letters. If the name of sample farmer/operator is not written in the format above, cross it out with a single horizontal line and re-write the name following the prescribed format above the crossed out name.
2. Check the residential address of the sample farmer/operator if legibly written. It must be written in Street No./Purok/Sitio, Barangay, and then Municipality format and in capital letters.
3. Check the age of the sample farmer/operator if properly accomplished. Below 15 years old is not a qualified sample farmer/operator.
4. Check the encircled sex code if properly indicated. If there is no encircled code, check the name of the sample farmer/operator and identify the sex either male (code 1) or female (code 2).
5. Indicate the code beside the verbatim answer for level of education completed. The code should be consistent to the following:

Code	Educational Attainment
<b>01</b>	Elementary Level
<b>02</b>	Elementary Graduate
<b>03</b>	High School Level

<b>Code</b>	<b>Educational Attainment</b>
<b>04</b>	High School Graduate
<b>05</b>	College Level
<b>06</b>	College Graduate
<b>07</b>	Post Graduate
<b>08</b>	Vocational
<b>09</b>	Pre-school
<b>10</b>	No Schooling

6. Indicate the code beside the verbatim answer for the main occupation of the sample farmer/operator. The codes to use are as follows:

<b>Code</b>	<b>Main Occupation</b>
<b>100</b>	<p style="text-align: center;"><b>Managers –</b></p> <p>workers in this group plan, direct, coordinate and evaluate the overall activities of enterprises, governments and other organizations, or of organizational units within them, and formulate and review their policies, laws, rules and regulations.</p>
<b>200</b>	<p style="text-align: center;"><b>Professionals –</b></p> <p>workers in this group increase the existing stock of knowledge, apply scientific or artistic concepts and theories, teach about the foregoing in a systematic manner, or engage in any combination of these activities.</p>
<b>300</b>	<p style="text-align: center;"><b>Technicians and Associate Professionals –</b></p> <p>workers in this group perform mostly technical and related tasks connected with research and the application of scientific or artistic concepts and operational methods, and government or business regulations.</p>
<b>400</b>	<p style="text-align: center;"><b>Clerical Support Workers –</b></p> <p>workers in this group record, organize, store, compute and retrieve information related, and perform a number of clerical duties in connection with money-handling operations, travel arrangements, requests for information, and appointments.</p>
<b>500</b>	<p style="text-align: center;"><b>Service and Sales Worker –</b></p> <p>workers in this group provide personal and protective services related to travel, housekeeping, catering, personal care, or protection against fire and unlawful acts, or demonstrate and sell goods in wholesale or retail shops and similar establishments, as well as at stalls and on markets.</p>

Code	Main Occupation
600	<p align="center"><b>Skilled Agricultural, Forestry and Fishery Workers –</b></p> <p>workers in this group grow and harvest field or tree and shrub crops, gather wild fruits and plants, breed, tend or hunt animals, produce a variety of animal husbandry products, cultivate, conserve and exploit forests, breed or catch fish and cultivate or gather other forms of aquatic life in order to provide food, shelter and income for themselves and their households.</p>
700	<p align="center"><b>Craft and Related Trades Workers –</b></p> <p>workers in this group apply specific knowledge and skills in the fields to construct and maintain buildings, form metal, erect metal structures, set machine tools, or make, fit, maintain and repair machinery, equipment or tools, carry out printing work, produce or process foodstuffs, textiles, or wooden, metal and other articles, including handicraft goods.</p>
800	<p align="center"><b>Plant and Machine Operators and Assemblers –</b></p> <p>workers in this group operate and monitor industrial and agricultural machinery equipment on the spot or by remote control, drive and operate trains, motor vehicles and mobile machinery and equipment, or assemble products from component parts according to strict specifications and procedures.</p>
900	<p align="center"><b>Elementary Occupations: Unskilled Workers –</b></p> <p>occupations in this group involve the performance of simple and routine tasks which may require the use of handheld tools and considerable physical effort.</p>
000	<p align="center"><b>Armed Forces Occupations –</b></p> <p>this major group includes all jobs held by members of the armed forces. Members of the armed forces are those personnel who are currently serving in the armed forces, including auxiliary services, whether on a voluntary or compulsory basis, and who are not free to accept civilian employment and are subject to military discipline. Included are members of the army, navy, air force and other military services, as well as conscripts enrolled for military training or other service for a specified period.</p>

**Note: Refer to Appendix for detailed occupational classification.**

- Review the number of years the sample farmer/operator had been engaged in tomato farming as operator. Validate the entry by getting the difference between the current age and the number of years engaged in tomato farming. The difference is the age when the operator started managing/operating the farm, it should be equal or greater than 15 years of age ( $\geq 15$ ).

*Example:*

The current age of sample farmer is 45 while the number of years engaged in tomato farm is 20. To check,  $45 - 20 = 25$ . This means that the sample farmer started operating tomato farm at the age of 25 and the current age recorded in the survey returns is a valid answer.

- Check the name of the respondent if legibly written. It must be written in Last Name, First Name, and then Middle Initial format and in capital letters.
- Check the respondent's relationship to the sample farmer/operator if properly indicated. If the respondent is the sample farmer/operator himself, simply write SELF (FARM OPERATOR). Other relationships may be spouse, son/daughter, brother/sister, parent, etc.
- Be sure that contact number/s of the respondent or operator is available. This will aid the field editor in contacting the sample farmer and respondent for items that need further validation.

### Illustration 2

B. SAMPLE IDENTIFICATION	
1. Name of sample farmer/operator :	<u>BAUTISTA, ALEJANDRO A.</u> <del>ALEJANDRO A. BAUTISTA</del> (LAST NAME) (FIRST NAME) (M.I.)
2. Residential address of the sample farmer/operator :	<u>PUROK 5 PIMENTEL, BATAK CITY</u> (STREET NO./PUROK/SITIO) (BARANGAY) (MUNICIPALITY)
3. Age (as of last birthday) :	<u>45</u> years old
4. Sex (encircle code) :	<input checked="" type="radio"/> 1 - Male      2 - Female
5. Level of education completed :	<u>GRADE 6 - GRADUATE</u> <input type="text" value="0"/> <input type="text" value="4"/>
6. Main occupation :	<u>TOMATO FARMING</u> <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="0"/> (gainful work or activity that provides the major source of income)
7. Number of years engaged in Tomato farming (as operator) :	<u>20</u>
8. Name of respondent :	<u>BAUTISTA, ALEJANDRO A.</u>
9. Respondent's relationship to the sample farmer/operator :	<u>SELF (FARM OPERATOR)</u>
10. Respondent's contact number/s :	<u>09067256541</u>

### C. BASIC CHARACTERISTICS OF THE FARM

1. The total physical area of the parcel (Item 1.2) should equal to the sum (*horizontal summation*) of the area planted to tomato (Item 1.3), area planted to other crops (Item 1.4) and area of other structure (Item 1.5). The area should be in hectare and in four (4) decimal places.
2. Each of the area planted to tomato (Item 1.3), area planted to other crops (Item 1.4) and area of other structure (Item 1.5) should be less than or equal to the total physical area of the parcel (Item 1.2). The areas should be in hectare and in four (4) decimal places.
3. Total area should be equal to the sum (*vertical summation*) of areas of all the parcels operated during the reference period (Item 1.2, Item 1.3, Item 1.4 and Item 1.5).
4. Check if the parcel number indicated in Item 2 (as the **focus parcel**) has an area planted to tomato (Item 1.3).
5. Check the code of tenurial status of the **focus parcel** if properly indicated. The codes to use are as follows:

Code	Tenurial Status
1	Fully Owned
2	Leased/Rented
3	Tenanted
4	Amortized
5	Rent Free
6	Owner-like Possession
7	Held under CLT/CLOA
8	Others (specify): _____

***For code 8, other tenurial status should be specified on the space provided.***

6. Check the number of times the farmer/operator planted tomato in the **focus parcel** in a year if properly indicated. The answer should be in whole number.
7. Check whether the cropping pattern in the **focus parcel** is indicated. The number of cropping per year regardless of commodity (as indicated in the box) should be greater than or equal to the number of times the farmers planted tomato in a year.

### Illustration 3

A. *Tomato and Okra are planted to the focus parcel in a year.*

<u>For focus parcel only:</u>		No. of crops planted in a given cropping pattern per year.
4. How many times did you plant tomato in a year?	1	
5. What is the usual cropping pattern?	2	
TOMATO-OKRA		

8. Check the area planted of the **focus parcel**. It should be equal to the area planted to tomato in Item 1.3 which is identified as the focus parcel. It should be recorded in hectare and in four (4) decimal places.
9. Check the area harvested of the **focus parcel**. Area harvested should be equal or less than area planted (Item 6). The area should be in hectare and in four (4) decimal places.
10. Check the month and year of planting for tomato if properly indicated. Planting month should be within the reference period, September 2016 to May 2017 for Luzon and Visayas provinces and January 2017 to September 2017 for Mindanao provinces.
11. Check the harvest month and year of tomato. Harvest month should be within the reference period, September 2016 to May 2017 for Luzon and Visayas provinces and January 2017 to September 2017 for Mindanao provinces.

### Illustration 4

<u>For focus parcel only:</u>	
8. What month and year was it last planted?	NOVEMBER 2016
9. What month and year was it last harvested?	MAY 2017

12. Check the number of times the farmer/operator harvested tomato in the focus parcel if properly accomplished. The answer should be in whole number.
13. Check the encircled code for type of tomato planted if properly indicated as code 1 – Bush and code 2 – Vine. Multiple answers are accepted.
14. Check the encircled code for variety of seeds planted if properly accomplished. For code 10, other variety of seeds planted, verbatim answer should be specified on the space provided. Multiple answers are accepted. Acceptable codes are the following:

Code	Variety of Seeds	Code	Variety of Seeds
1	Diamante	6	Apollo
2	Diamante Max	7	Semenes
3	Harabas	8	Rose Pink
4	Ilocos Red	9	Native (kimmarabasa)
5	Maharlika	10	Others (specify): _____

Other gov't agencies  
(ex):  
PCA  
DAR  
BPI

15. Check the indicated codes for the source/s of planting materials. Multiple answers are allowed. For code 6, other source/s of planting materials should be specified on the space provided. Acceptable codes for this data item are:

Code	Source/s of Planting Materials	Code	Source/s of Planting Materials
1	Agri Supply Store	4	Co-Farmer
2	DA/LGU	5	Own Produced
3	Cooperative	6	Others (specify): _____

**Note: The source(s) of planting materials should be consistent with the mode of acquisition in Column 6 of Block E, Material Inputs.**

**Block D. Farm Investments (owned and used in focus parcel during SEPTEMBER 2016 to MAY 2017 / JANUARY 2017 to SEPTEMBER 2017)**

1. Only investment items owned and used/used in the focus parcel by the sample farmer/operator in tomato production with last completed cropping cycle within September 2016 to May 2017 for Luzon and Visayas provinces and January 2017 to September 2017 for Mindanao provinces must be recorded. **Acquisition cost of investment items which are given/inherited must be imputed.**
2. Editing of data must be one item at a time, starting from left to right, that is, Columns 2 to 10.
  - a. If Column 2 has an entry, Columns 3 to 10 must have entries.
  - b. For farm land owned, answers for Columns 6 to 10 are not required. For farm animals, answer for Column 6 is not required.
  - c. Column 5 (cost of repairs/maintenance/improvement) may or may not have an entry.
  - d. If there are two or more units of similar item acquired on different years/occasions, different useful/serviceable years

and different percent of use, the answers must be separated by a slash (/). Similarly, if Column 2 has two (2) or more entries separated by slash (/), the same should be observed for columns 3 to 10.

3. If there are farm investments not enumerated, these should be specified on the space provided for **others (Items 3.03, 4.06 and 5.26)**.
4. Farm land owned (in hectare) must have entry if the tenurial status of the focus parcel is coded either any of the following in Block C, Item 3:
  - a. "1" - Fully owned; "6" - owner-like possession and "7" - held under CLT/CLOA.
  - b. If the land is given/inherited, the acquisition cost must be imputed based on the ***prevailing market value of the land*** at the time of acquisition, otherwise this item must be blank.
5. Except for farm land owned, all entries in Column 2 must be written in whole numbers. Area of farm land owned should be in hectare and in four (4) decimal places.
6. Year must be in YYYY format (e.g. 1978, 2000, 2014). More than one item acquired in different years must be separated by slash (/).
7. Acquisition cost must be in two (2) decimal places. Acquisition cost of more than one item acquired in different years and/or have different percent of use must be separated also by slash (/).
8. Minor repair, maintenance and improvement costs may not be filled up if no repair/maintenance/improvement was made during the reference period. Entries in this column must be in two (2) decimal places.
9. Years of useful/serviceable life must be recorded in whole numbers. Entries for more than one item acquired in different years and/or have different percent of use must be separated by slash (/).
10. Questions in Columns 7 to 9 will help to validate the percentage of use of each investment item. Acceptable code is "1" for Yes and "2" for No. Entries for more than one item acquired in different years and/or have different percent of use must be separated by slash (/).

## Illustration 5

D. FARM INVESTMENTS (owned and used in the focus parcel during JANUARY 2017 to SEPTEMBER 2017)									
Item	How many units were used? (Area / Number)	What year was it acquired / constructed ?	How much was the cost of acquisition / construction? (Pesos)	How much was spent for minor repair / maintenance/ improvement? (Pesos)	How many years will it be useful / serviceable? (from the date of interview)	Was the item used in another parcel? (indicate code) 1 - YES 2 - NO	Was the item used for other crops or activities in the focus parcel? (indicate code) 1 - YES 2 - NO	Was the item rented or lent to other farmers? (indicate code) 1 - YES 2 - NO	What was its percentage of use in the focus parcel?
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>4. Farm machinery and transport facilities</b>									
4.01 Two-wheel tractor (Hand Tractor)	1 / 1	2005 / 2009	12,000.00 / 20,000.00	3,000.00 / ---	15 / 15	1 / 1	1 / 1	2 / 1	33.00 / 25.00

11. Validate percent of use of the reported farm investments. If any of Columns 7 to 9 has answer coded as "1" – Yes, the percentage of use in Column 10 is expected to be less than 100%. Percent should be written in two (2) decimal places.
12. Investment items with **less than one (1) year of estimated life should be reflected under Block G. Other Production Costs.**

### Block E. Material Inputs (used in focus parcel during SEPTEMBER 2016 to MAY 2017 / JANUARY 2017 to SEPTEMBER 2017)

1. Editing of data must be one item at a time, starting from left to right, that is, Columns 2 to 9.
  - a. For **Seeds** (Item 1.01), if column 2 has entry, columns 3, 4, 6 and 7, 8 or 9 must have entries. For **Seedlings** (Item 1.02), if column 2 has entry, columns 6 and 7, 8 or 9 must have entries.
  - b. For **Fertilizers, Soil ameliorants, Mulching materials and Pesticides**, if Column 2 has entry, Columns 3, 4, 5, 6 and 7, 8 or 9 must have entries. Columns 4 and 5 are qualifiers for solid and liquid material inputs, respectively.
  - c. If Column 2 has two (2) or more entries separated by slash (/), the same should be observed for columns 3, 4, 5, 6 and 7, 8 or 9. For each item, entries should be separated by slash (/) if the mode of acquisition and/or the form of the input (solid / liquid) is different.

## Illustration 6

E. MATERIAL INPUTS (used in focus parcel during SEPTEMBER 2016 to MAY 2017)								
Item	How many units were used / applied?	What was the name of local unit?	If solid input, what was the weight of one local unit in kilogram?	If liquid input, what was the volume of one local unit in liter?	What was the mode of acquisition? (enter code/s)	If purchased and discounted, what was the discount rate?	If purchased, what was the price of one local unit? (Pesos)	If not purchased, what was the prevailing price in the locality? (Pesos)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>1. Seeds / Planting Materials</b>								
1.01 Seeds	10.000	PACKS	0.004		11	---	50.00	---
<b>2. Fertilizers</b>								
2.03 Ammonium Sulfate (21-0-0)	3.000 / 1.000	SACK / BAG	50.000 / 25.000	---	13 / 11	5 / -	1,150.00 / 500.00	---
<b>CODES FOR COLUMN 6:</b>			<b>Purchased</b>		<b>Produced</b>		<b>Received</b>	
			11 - self financed (paid in cash)		21 - Own Produced		31 - from government (DA, LGU, etc.)	
			12 - self financed (paid in kind)				32 - from private individual/organization (Trader, Co-Farmer, Cooperative, etc.)	
			13 - discounted					

2. For other material inputs used in the focus parcel but not enumerated in the questionnaire, entries should be specified on the space provided for others (Items 2.13, 3.02, 4.02 and 5.04).
3. Check the quantity of input usage (Column 2). Entry should be in three (3) decimal places.
4. Check the price of inputs (Columns 8 or 9). Entries should be in two (2) decimal places.
5. Check and review the consistency of the form (solid or liquid) of the material input and the reported name of local unit.

*Example:*

- **For solid or granule inputs**, the appropriate local units should be kilogram, gram, bag, sack, pack, box, etc.
  - **For liquid inputs**, the appropriate local units should be liter, milliliter, bottle, etc.
6. **If solid form, check the weight of one local unit in kilogram.** If the material input indicated is solid or granules, **Column 4** must be filled up. Entries should be in three (3) decimal places.

Example:

Name of local unit used:	Kilogram
Weight of one local unit in kilogram:	1.000
Name of local unit used:	Gram
Weight of one local unit in kilogram:	0.001

7. **If liquid input, check the volume of one local unit in liter.** If the material input is liquid, **Column 5** must be filled up. Entries should be in three (3) decimal places.

Example:

Name of local unit used:	Liter
Volume of one local unit in liter:	1.000
Name of local unit used:	Milliliter
Volume of one local unit in liter:	0.001

8. Check the mode of acquisition. Acceptable codes are:

CODE	MODE OF ACQUISITION
	<b>Purchased</b>
<b>11</b>	Self-financed (paid in cash)
<b>12</b>	Self-financed (paid in kind)
<b>13</b>	Discounted
<b>21</b>	<b>Own produced</b>
	<b>Received</b>
<b>31</b>	From government (DA, LGU, etc.)
<b>32</b>	From private individual/organization (Trader, Co-Farmer, Cooperative, etc.)

9. If the material input is purchased and discounted (Code 13 in Column 6), check the indicated discount rate (Column 7).
10. **If purchased**, check if the **price is for one local unit**. Entries should be in two (2) decimal places.

Example:

Local unit used is **sack** - *Price per local unit should be **price of one sack***  
 Local unit used is **bottle** - *Price per local unit should be **price of one bottle***

**Note: Editors should be familiar with the prices of material inputs per unit of measure.**

11. **If not purchased**, the prevailing price should be consistent with the reported local unit in Column 3. Entries should be in pesos and in two (2) decimal places.

#### **Block F. Labor Inputs (in focus parcel during SEPTEMBER 2016 to MAY 2017 / JANUARY 2017 to SEPTEMBER 2017)**

Editing of information on labor inputs is taken one row or one activity at a time, starting from Column 1 to Column 20.

1. For other farm activities performed but not enumerated in the questionnaire, specify verbatim answer in Others (Item 7). For contract labor, specify the farm activities under each contract in Item 11.

2. The entries for the number of days worked should be in whole number and should be the average number of days if two or more persons worked at different number of days.
3. The entries for the number of hours worked per day should be in one (1) decimal place and should be the average number of hours worked per person per day if two or more persons performed the farm activity at different number of hours.

### Illustration 7.1

**Sample Computation of Average No. of Hours Worked for Operator Labor**

Activity is plowing (man-machine) that is completed in 2 days with the following number of hours worked:

Day 1 = 8 hours  
Day 2 = 5 hours

Number of Days Worked = 2 days

$$\text{Average hours} = \frac{\left[ \begin{array}{c} \text{Number of Hours Worked} \\ \text{Day 1 + Day 2} \end{array} \right]}{\text{Number of Days Worked}}$$

Average hours =  $(8+5) / 2$   
= **6.5 Hours**

### Illustration 7.2

**Illustration 21**

**Sample Computation of Average No. of Hours Worked for Family Labor**

Activity is plowing (man-animal) that is completed in 2 days with the following number of hours worked per family member:

Day 1: Family Member 1 = 3 hours  
Family Member 2 = 4 hours

Day 2: Family Member 1 = 3 hours  
Family Member 2 = 3 hours

Number of Days Worked = 2 days

Average hours =  $[(3+4+3+3) \div 2] \div 2 = 3.25 \text{ hours}$

**Note: The same computation on Family Labor applies for the Average No. of Hours Worked for Exchange and Hired Labor**

4. Prevailing wage rate should have an entry if unpaid labor (operator, family and exchange) have entries. **Check the acceptability of the indicated prevailing wage rate.** Entries should be in two (2) decimal places.
5. Entries for the total payment of hired labor in cash and in kind must be in two (2) decimal places. It should reflect the total payment by activity enumerated.

**Check for the Consistency of Farm Activities with other Blocks of the Questionnaire:**

1. **Plowing (man-animal)** - If this item has entry in Block F, then **either** the farm operator owned and used a work animal and must have entries in Block D, Item 2 under Work animals and in Block G, Item 6 - Rental value of owned animal/s **or** the farm operator rented/borrowed the work animal and must have entry in Block G, Item 4.03 - Rentals of animals.
2. **Plowing (man-machine)** - If this item has entry in Block F, then **either** the farm operator owned two-wheel/four-wheel tractor and must have entries in Block D, Item 4.01 and 4.02 under Farm Machinery and Transport Facilities **or** the farm operator rented/borrowed the machine and must have entry in Block G, Item 4.02 under Rentals of Machine. The same will be applied to other machines for consistency check.

**Notes:**

- *The Consistency Checks 1 and 2 apply for other activities which employed man-animal labor or man-machine labor.*
  - *If the farm operator employed man-machine labor and has machine as reflected in Block D that requires fuel, oil or electricity, then Block G, Items 7, 8 or 14 should have entries.*
3. **Sowing of seeds** - If this item has entry, then there should be acquisition of planting materials in Block E, Items 1.01 and 1.02 under Seeds/Planting Materials.
  4. **Fertilizer application** - If this item has entry, then there should be acquisition of fertilizers in Block E, Items 2.01 to 2.13 under Fertilizers.
  5. **Soil ameliorant application** - If this item has entry, then there should be acquisition of soil ameliorant in Block E, Item 3.01 to 3.02 under Soil Ameliorants.
  6. **Mulching** - If this item has entry, then there should be acquisition of mulching materials in Block E, Item 4.01 to 4.02 under Mulching Materials.
  7. **Chemical application/spraying** - If this item has entry, then there should be acquisition of pesticides in Block E, Item 5.01 to 5.04 under Pesticides.
  8. **Harvesting** - If the harvesters of tomato were paid in kind, then, the payment should be consistent in Block H, Item 2.02 (harvesters' share). The value of payment in kind should be equivalent to the **quantity paid to the harvesters x farm gate price**.

- Entries per time of harvest should be consistent with the entries for Hauling of Produce (Item 9), Sorting (Item 10) and in Block H - production and disposition.

**Block G. Other Production Costs (in focus parcel during SEPTEMBER 2016 to MAY 2017 / JANUARY 2017 to SEPTEMBER 2017)**

Data items under “Other Production Costs” are also edited from the leftmost column to rightmost column.

1. Accept the indicated land tax if the tenurial status in Block C, Item 3 is fully owned. For those held under CLT/CLOA and owner-like possession, impute for the land tax.
2. Columns 2, 3, 5, 7, 8, and 9 must be in two (2) decimal places.
3. Imputed costs in Column 3 must have entry when either the operator’s tenurial status of the farm land is “**rent free**” (Item 4.01); borrowed the animal, machine and/or tools and equipment free of charge (Items 4.02, 4.03 and 4.04) or the operator received the materials (e.g., fuel/oil, sacks, seedling bags, etc.) used for free. Likewise, the cost of water should be imputed when the source of water is free (e.g. small water impounding system, deep wells, etc.).
4. For Column 4 - What was the crop/commodity paid? Check and review if the crop name and the commodity paid were properly indicated.
5. Check if the total quantity and total value of each of the other production costs (Columns 8 and 9) were recorded properly.
  - a.) Total quantity in kilogram (Column 8) must be equal to the product of the Number of local units (Column 5) and Weight of one local unit in kilogram (Column 7).
  - b.) Validate the Total value (Column 9). If payment made was in the form of tomato, verify the price per local unit against the price per local unit from Block H (Disposition). For other commodities, the price per local unit should be comparable with the prevailing price in the locality.
6. If payment for caretaker/overseer’s wages, land lease/rental and other production costs were made in the form of tomato, these must be reflected in Block H Item 2 (Disposition – Other Laborers’ share, Land lease/ rental and other disposition item).
7. Payment for caretaker/overseer’s share/wage should be per cropping. If not, convert the payment into per cropping.

8. Payment for other permanent employee's salary (Item 3) should be per month. If not, convert the payment per month.
9. Land lease/ rentals should be per annum. If not, convert the payment per annum.
10. Payment for rentals of machine, animals, tools and equipment should be per cropping. If not, convert the payment into per cropping.
11. The cost of fuel and oil should be per cropping. Check the quantity and corresponding value. Quantity should be in liters. For the total value, it should be in pesos and in two (2) decimal places.
12. Transport cost of inputs and transport cost of produce from farm to first point of sale should be per cropping.
13. Interest payment for crop loan (*loan used in the production costs for the tomato focus parcel*) should be per cropping.
14. Payment for water should be monthly and it should be per month also for electricity.
15. Food expense for hired and exchange labor should be per cropping.
16. Expenses on sacks, seedling bags, wood stakes and tying materials should be per cropping.

**Block H. Production and Disposition (in focus parcel during SEPTEMBER 2016 to MAY 2017 / JANUARY 2017 to SEPTEMBER 2017)**

Since harvesting in tomato farming is done in staggered manner, each harvest has corresponding disposition.

1. Check and validate the **quantity in local unit** (Item 1.01) reported. It should be equal to the total disposition (sum of Items 2.01 to Item 2.13) and must be written in two (2) decimal places.
2. Check and review the reported name of local unit. The name of the local unit indicated should be consistent with the commodity. For tomato, name of local unit could be any of the following: *can, sack, basket, crate, kaing / tiklis, kilogram, etc.*
3. Check and review the weight of one local unit in kilogram, the weight should be consistent with the local unit indicated in Item 1.02.
4. For the "**price per local unit**", it should be consistent with the local unit indicated in Item 1.02. Numerical entries must be in two (2) decimal places.

5. Check and review the **total disposition** reported. This should be equal to the **sum of Item 2.01** (sold/to be sold) **to Item 2.13** (Other dispositions) and must be written in two (2) decimal places.
6. Check if Block H, Item 2. Disposition was accomplished properly.

If there are entries in Block H, Item 2 - Disposition,

Landowner's share Financier's share Land lease/ Rental Other disposition items	}	Volume and value of share must be reflected under Block G - Other Production Costs
Harvesters' share Other laborers' share	}	Value of share must be reflected under Block F - Labor Inputs

The value of harvesters' share must be equal to the total of Block F - Labor Inputs, Item 8 – Harvesting, Column 15 - Total paid in kind.

Example:

To compute the value of “harvesting” (Block F, Item 8, Column 15)

$$\text{Harvesting Paid in Kind (Block F, Item 8, Column 15)} = \frac{\text{Harvesters' share (Block H, Item 2.02)}}{\text{Price Per Local Unit (Item 2.011)}} \times \text{Price Per Local Unit (Item 2.011)}$$

For other laborers' share (payment can be tomato and/or other agricultural commodity/ies), the peso equivalent may or may not be equal to the payment in kind reported in Block F, for it may include other payment in kind for other laborers hired in other farm activities.

### **Block I. Production Related Information (in focus parcel)**

1. **Item 1** - Only one code is accepted on the comparison of tomato production in the focus parcel during the reference period with the previous cropping. Acceptable codes are: 1, 2, 3 or 4. If the answer is code 3 and code 4, **go to Item 3**.
2. **Item 2** - Multiple codes are accepted on the reasons for the change in production. If the answer in Item 1 is code 1-Higher, then the acceptable codes for Higher Production are 1, 2, 3, 4, 5 and 6 (Others, specify). If the answer in Item 1 is code 2-Lower, then the acceptable codes are 1, 2, 3, 4, 5, 6 and 7 (Others, specify). For codes 6 or 7, verbatim answer should be specified on the space provided. **The encircled code/s must be consistent to the answer in Item 1.**

3. **Item 3** - Multiple codes are accepted on the tomato production related problems. Acceptable codes are 1, 2, 3, 4, 5, 6, 7 and 8 (Others, specify). For code 8, verbatim answer should be specified on the space provided.

#### **Block J. Marketing Related Information (in focus parcel)**

1. **Item 1** - It only refers to the **quantity of production sold**. Multiple buyers are accepted, percentage sold must total 100 percent. Acceptable codes are 1, 2, 3, 4, 5, 6, 7 and 8 (Others, specify). For code 8, other buyer should be specified on the space provided.
2. **Item 2** - Multiple codes are accepted on the marketing related problems. Acceptable codes are 1, 2, 3, 4, 5 and 6 (Others, specify). For code 6, the marketing problems should be specified on the space provided.

#### **Block K. Access to Credit (in focus parcel)**

1. If the answer in Item 1 - Have you availed of loan for tomato production during the reference period? is "**Yes**" (code 1), there should be entries in Items 2 to 4. If "**No**" (code 2), **go to Block L**.
2. Entries for the amount of loan (Item 2) and interest rate (Item 3) should be in two (2) decimal places.
3. Only one code is accepted for the **major** source of loan. Acceptable codes are 1, 2, 3, 4, 5, 6 or 7. For code 7 (Others, specify), the other lending institutions should be specified on the space provided.

#### **Block L. Farmer's Participation in Tomato Programs/Projects**

1. Check the encircled code for Item 1 - Are you aware of any government program/ intervention on tomato production? if properly indicated.
2. If the answer in Item 2 - Have you availed of any benefit from government program/ intervention? is "**Yes**" (code 1), there should be entries in Items 3 and 4. If "**No**" (code 2), **go to Block M**.
3. Multiple codes are accepted in Item 3 - What benefits have you availed of? Acceptable codes are: 1, 2, 3, 4, 5, 6, 7 and 8 (Others, specify). For code 6, other benefits should be specified on the space provided.
4. If the answer in Item 4 - Did you use the benefit/s in your production during the last completed cropping? is "**Yes**" (code 1), there should be entry in Items 5. If "**No**" (code 2), **go to Block M**.

5. Acceptable codes for Item 5 - Did the benefit/s receive helped increase your income from tomato farming? are “1” for Yes and “2” for No.

### **Block M. Other Information**

1. If the answer in Item 1 - Has climate change affected your farming practices? If “Yes” (code 1), there should be entry in Item 1.01. Multiple codes are accepted. Acceptable codes are 1, 2, 3, 4 and 5. If code 5 (Others, specify), other perceived effects of climate change in farming practices should be specified on the space provided. If “No” (code 2), **go to Item 2.**
2. If the answer in Item 2 - Are you a member of farmers’ organization? is “Yes” (code 1), there should be entries in Item 2.01- specify the name of organization and Item 2.02 - benefits received from the farmers’ organization related to tomato production. Acceptable codes are: 1, 2, 3, 4, 5 and 6. For code 6 (Others, specify), other benefits should be specified on the space provided. If “No” (code 2), **go to Block N.**

### **Block N. Plans and Recommendations**

1. Only one answer is acceptable for Item 1 – What is your plan regarding tomato production? Acceptable codes are: 1, 2, 3, 4 or 5. For code 5 (Others, specify), other plans should be specified on the space provided.
2. Check if there is a recommendation to improve their tomato farming.

### **Block O. Interview / Survey Particulars**

After completely editing the questionnaire, the statistical researcher and field supervisor/ editor should affix his/her name and signature as well as the date when the questionnaire was accomplished and completely edited. Likewise, the PSO should affix his/her name and signature and the date the questionnaire was fully and thoroughly reviewed.

**2012 Philippine Standard Occupational Classification  
Summary of Major, Sub-Major, Minor and Unit Groups**

<b>Major Group 1</b>	<b>CODE 100 – MANAGERS</b>
<b>Chief executives, senior officials and legislators</b>	
<i>Legislators and senior officials</i>	
Legislators	
Senior government officials	
Traditional chiefs and heads of villages	
Senior officials of special-interest organizations	
<i>Managing directors and chief executives</i>	
Managing directors and chief executives	
<b>Administrative and commercial managers</b>	
<i>Business services and administration managers</i>	
Finance managers	
Human resource managers	
Policy and planning managers	
Business services and administration managers not elsewhere classified	
<i>Sales, marketing and development managers</i>	
Sales and marketing managers	
Advertising and public relations managers	
Research and development managers	
<b>Production and specialized services managers</b>	
<i>Production managers in agriculture, forestry and fisheries</i>	
Agricultural and forestry production managers	
Aquaculture and fisheries production managers	
<i>Manufacturing, mining, construction, and distribution managers</i>	
Manufacturing managers	
Mining managers	
Construction managers	
Supply, distribution and related managers	
<i>Information and communications technology service managers</i>	
Information and communications technology service managers	
<i>Professional services managers</i>	
Child care service managers	
Health service managers	
Aged care service managers	
Social welfare managers	
Education managers	
Financial and insurance services branch managers	
Professional services managers not elsewhere classified	

<b>Major Group 1</b>	<b>CODE 100 – MANAGERS</b>
<b>Hospitality, retail and other services managers</b>	
<i>Hotel and restaurant managers</i>	
Hotel managers	
Restaurant managers	
<i>Retail and wholesale trade managers</i>	
Retail and wholesale trade managers	
<i>Other services managers</i>	
Sports, recreation and cultural center managers	
Services managers not elsewhere classified	

<b>Major Group 2</b>	<b>CODE 200 – PROFESSIONAL</b>
<b>Science and engineering professionals</b>	
<i>Physical and earth science professionals</i>	
Physicists and astronomers	
Meteorologists	
Chemists	
Geologists and geophysicists	
<i>Mathematicians, actuaries and statisticians</i>	
Mathematicians, actuaries and statisticians	
<i>Life science professionals</i>	
Biologists, botanists, zoologists and related professionals	
Farming, forestry and fisheries advisers	
Environmental protection professionals	
<i>Engineering professionals (excluding electrotechnology)</i>	
Industrial and production engineers	
Civil engineers	
Environmental engineers	
Mechanical engineers	
Chemical engineers	
Mining engineers, metallurgists and related professionals	
Engineering professionals not elsewhere classified	
<i>Electrotechnology engineers</i>	
Electrical engineers	
Electronics engineers	
Telecommunications engineers	
<i>Architects, planners, surveyors and designers</i>	
Building architects	
Landscape architects	
Product and garment designers	
Town and traffic planners	

<b>Major Group 2</b>	<b>CODE 200 – PROFESSIONAL</b>
	Cartographers and surveyors
	Graphic and multimedia designers
	<b>Health professionals</b>
	<i>Medical doctors</i>
	Generalist medical practitioners
	Specialist medical practitioners
	<i>Nursing and midwifery professionals</i>
	Nursing professionals
	Midwifery professionals
	<i>Traditional and complementary medicine professionals</i>
	Traditional and complementary medicine professionals
	<i>Paramedical practitioners</i>
	Paramedical practitioners
	<i>Veterinarians</i>
	Veterinarians
	<i>Other health professionals</i>
	Dentists
	Pharmacists
	Environmental and occupational health and hygiene professionals
	Physiotherapists
	Dieticians and nutritionists
	Audiologists and speech therapists
	Optometrists and ophthalmic opticians
	Health professionals not elsewhere classified
	<b>Teaching professionals</b>
	<i>University and higher education teachers</i>
	University and higher education teachers
	<i>Vocational education teachers</i>
	Vocational education teachers
	<i>Secondary education teachers</i>
	Secondary education teachers
	<i>Primary school and early childhood teachers</i>
	Primary school teachers
	Early childhood educators
	<i>Other teaching professionals</i>
	Education methods specialists
	Special needs teachers
	Other language teachers
	Other music teachers
	Other arts teachers
	Information technology trainers

<b>Major Group 2</b>	<b>CODE 200 – PROFESSIONAL</b>
Teaching professionals not elsewhere classified	
<b>Business and administration professionals</b>	
<i>Finance professionals</i>	
Accountants	
Financial and investment advisers	
Financial analysts	
<i>Administration professionals</i>	
Management and organization analysts	
Policy administration professionals	
Personnel and careers professionals	
Training and staff development professionals	
<i>Sales, marketing and public relations professionals</i>	
Advertising and marketing professionals	
Public relations professionals	
Technical and medical sales professionals (excluding ICT)	
Information and communications technology sales professionals	
<b>Information and communications technology professionals</b>	
<i>Software and applications developers and analysts</i>	
Systems analysts	
Software developers	
Web and multimedia developers	
Applications programmers	
Software and applications developers and analysts not elsewhere classified	
<i>Database and network professionals</i>	
Database designers and administrators	
Systems administrators	
Computer network professionals	
Database and network professionals not elsewhere classified	
<b>Legal, social and cultural professionals</b>	
<i>Legal professionals</i>	
Lawyers	
Judges	
Legal professionals not elsewhere classified	
<i>Librarians, archivists and curators</i>	
Archivists and curators	
Librarians and related information professionals	
<i>Social and religious professionals</i>	
Economists	
Sociologists, anthropologists and related professionals	
Philosophers, historians and political scientists	
Psychologists	

<b>Major Group 2</b>	<b>CODE 200 - PROFESSIONAL</b>
	Social work and counseling professionals
	Religious professionals
	<i>Authors, journalists and linguists</i>
	Authors and related writers
	Journalists
	Translators, interpreters and other linguists
	<i>Creative and performing artists</i>
	Visual artists
	Musicians, singers and composers
	Dancers and choreographers
	Film, stage and related directors and producers
	Actors
	Announcers on radio, television and other media
	Creative and performing artists not elsewhere classified

<b>Major Group 3</b>	<b>CODE 300 - TECHNICIANS AND ASSOCIATE PROFESSIONALS</b>
	<b>Science and engineering associate professionals</b>
	<i>Physical and engineering science technicians</i>
	Chemical and physical science technicians
	Civil engineering technicians
	Electrical engineering technicians
	Electronics engineering technicians
	Mechanical engineering technicians
	Chemical engineering technicians
	Mining and metallurgical technicians
	Draughts persons
	Physical and engineering science technicians not elsewhere classified
	<i>Mining, manufacturing and construction supervisors</i>
	Mining supervisors
	Manufacturing supervisors
	Construction supervisors
	<i>Process control technicians</i>
	Power production plant operators
	Incinerator and water treatment plant operators
	Chemical processing plant controllers
	Petroleum and natural gas refining plant operators
	Metal production process controllers
	Process control technicians not elsewhere classified
	<i>Life science technicians and related associate professionals</i>
	Life science technicians (excluding medical)

<b>Major Group 3</b>	<b>CODE 300 - TECHNICIANS AND ASSOCIATE PROFESSIONALS</b>
	Agricultural technicians
	Forestry technicians
	<i>Ship and aircraft controllers and technicians</i>
	Ships' engineers
	Ships' deck officers and pilots
	Aircraft pilots and related associate professionals
	Air traffic controllers
	Air traffic safety electronics technicians
	<b>Health associate professionals</b>
	<i>Medical and pharmaceutical technicians</i>
	Medical imaging and therapeutic equipment technicians
	Medical and pathology laboratory technicians
	Pharmaceutical technicians and assistants
	Medical and dental prosthetic technicians
	Nursing and midwifery associate professionals
	Nursing associate professionals
	Midwifery associate professionals
	Traditional and complementary medicine associate professionals
	Traditional and complementary medicine associate professionals
	Veterinary technicians and assistants
	Veterinary technicians and assistants
	Other health associate professionals
	Dental assistants and therapists
	Medical records and health information technicians
	Community health workers
	Dispensing opticians
	Physiotherapy technicians and assistants
	Medical assistants
	Environmental and occupational health inspectors and associates
	Ambulance workers
	Health associate professionals not elsewhere classified
	<b>Business and administration associate professionals</b>
	<i>Financial and mathematical associate professionals</i>
	Securities and finance dealers and brokers
	Credit and loans officers
	Accounting associate professionals
	Statistical, mathematical and related associate professionals
	Valuers and loss assessors
	<i>Sales and purchasing agents and brokers</i>
	Insurance representatives
	Commercial sales representatives

<b>Major Group 3</b>	<b>CODE 300 - TECHNICIANS AND ASSOCIATE PROFESSIONALS</b>
Buyers	
Trade brokers	
<i>Business services agents</i>	
Clearing and forwarding agents	
Conference and event planners	
Employment agents and contractors	
Real estate agents and property managers	
Business services agents not elsewhere classified	
<i>Administrative and specialized secretaries</i>	
Office supervisors	
Legal secretaries	
Administrative and executive secretaries	
Medical secretaries	
<i>Regulatory government associate professionals</i>	
Customs and border inspectors	
Government tax and excise officials	
Government social benefits officials	
Government licensing officials	
Police inspectors and detectives	
Regulatory government associate professionals not elsewhere classified	
<b>Legal, social, cultural and related associate professionals</b>	
<i>Legal, social and religious associate professionals</i>	
Legal and related associate professionals	
Social work associate professionals	
Religious associate professionals	
<i>Sports and fitness workers</i>	
Athletes and sports players	
Sports coaches, instructors and officials	
Fitness and recreation instructors and program leaders	
<i>Artistic, cultural and culinary associate professionals</i>	
Photographers	
Interior designers and decorators	
Gallery, museum and library technicians	
Chefs	
Artistic and cultural associate professionals not elsewhere classified	
<b>Information and communications technicians</b>	
<i>Information and communications technology operations and user support technicians</i>	
Information and communications technology operations technicians	
Information and communications technology user support technicians	
Computer network and systems technicians	

<b>Major Group 3</b>	<b>CODE 300 - TECHNICIANS AND ASSOCIATE PROFESSIONALS</b>
Web technicians	
<i>Telecommunications and broadcasting technicians</i>	
Broadcasting and audio-visual technicians	
Telecommunications engineering technicians	

<b>Major Group 4</b>	<b>CODE 400 - CLERICAL SUPPORT WORKERS</b>
<b>General and keyboard clerks</b>	
<i>General office clerks</i>	
General office clerks	
<i>Secretaries (general)</i>	
Secretaries (general)	
<i>Keyboard operators</i>	
Typists and word processing operators	
Data entry clerks	
<b>Customer services clerks</b>	
<i>Tellers, money collectors and related clerks</i>	
Bank tellers and related clerks	
Bookmakers, croupiers and related gaming workers	
Pawnbrokers and money-lenders	
Debt-collectors and related workers	
<i>Client information workers</i>	
Travel consultants and clerks	
Contact center information clerks	
Telephone switchboard operators	
Hotel receptionists	
Inquiry clerks	
Receptionists (general)	
Survey and market research interviewers	
Client information workers not elsewhere classified	
<b>Numerical and material recording clerks</b>	
<i>Numerical clerks</i>	
Accounting and bookkeeping clerks	
Statistical, finance and insurance clerks	
Payroll clerks	
<i>Material-recording and transport clerks</i>	
Stock clerks	
Production clerks	
Transport clerks	

<b>Major Group 4</b>	<b>CODE 400 - CLERICAL SUPPORT WORKERS</b>
<b>Other clerical support workers</b>	
<i>Other clerical support workers</i>	
Library clerks	
Mail carriers and sorting clerks	
Coding, proof-reading and related clerks	
Scribes and related workers	
Filing and copying clerks	
Personnel clerks	
Clerical support workers not elsewhere classified	

<b>Major Group 5</b>	<b>CODE 500 - SERVICE AND SALES WORKERS</b>
<b>Personal service workers</b>	
<i>Travel attendants, conductors and guides</i>	
Travel attendants and travel stewards	
Transport conductors	
Travel guides	
<i>Cooks</i>	
Cooks	
<i>Waiters and bartenders</i>	
Waiters	
Bartenders	
<i>Hairdressers, beauticians and related workers</i>	
Hairdressers	
Beauticians and related workers	
<i>Building and housekeeping supervisors</i>	
Cleaning and housekeeping supervisors in offices, hotels and other establishments	
Domestic housekeepers	
Building caretakers	
<i>Other personal services workers</i>	
Astrologers, fortune-tellers and related workers	
Companions and valets	
Undertakers and embalmers	
Pet groomers and animal care workers	
Driving instructors	
Personal services workers not elsewhere classified	
<b>Sales workers</b>	
<i>Street and market salespersons</i>	
Stall and market salespersons	

<b>Major Group 5</b>	<b>CODE 500 - SERVICE AND SALES WORKERS</b>
Street food salespersons	
<i>Shop salespersons</i>	
Shopkeepers	
Shop supervisors	
Shop sales assistants	
<i>Cashiers and ticket clerks</i>	
Cashiers and ticket clerks	
<i>Other sales workers</i>	
Fashion and other models	
Sales demonstrators	
Door to door salespersons	
Contact center salespersons	
Service station attendants	
Food service counter attendants	
Sales workers not elsewhere classified	
<b>Personal care workers</b>	
<i>Child care workers and teachers' aides</i>	
Child care workers	
Teachers' aides	
<i>Personal care workers in health services</i>	
Health care assistants	
Home-based personal care workers	
Personal care workers in health services not elsewhere classified	
<b>Protective services workers</b>	
<i>Protective services workers</i>	
Fire-fighters	
Police officers	
Prison guards	
Security guards	
Protective services workers not elsewhere classified	

<b>Major Group 6</b>	<b>CODE 600 - SKILLED AGRICULTURAL, FORESTRY AND FISHERY WORKERS</b>
<b>Market-oriented skilled agricultural workers</b>	
<i>Market gardeners and crop growers</i>	
Rice farmers	
Corn farmers	
Vegetable, legumes and root crops farmers	
Sugarcane farmers	
Coconut farmers	

<b>Major Group 6</b>	<b>CODE 600 - SKILLED AGRICULTURAL, FORESTRY AND FISHERY WORKERS</b>
Other field crop farmers	
Tree and shrub crop growers	
Gardeners, horticultural and nursery growers	
Other market gardeners and crop growers, not elsewhere classified	
<i>Animal producers</i>	
Livestock farmer	
Dairy farmer	
Eggs producers	
Chicken farmer	
Duck raisers	
Poultry producers	
Hog raising producers	
Apiarists and sericulturists	
Animal producers not elsewhere classified	
<i>Mixed crop and animal producers</i>	
Mixed crop and animal producers	
<b>Market-oriented skilled forestry, fishery and hunting workers</b>	
<i>Forestry and related workers</i>	
Forest tree planters	
Concessionaires and loggers	
Charcoal makers and related workers	
Minor forest product gatherers	
<i>Fishery workers, hunters and trappers</i>	
Milkfish and tilapia producers	
Seaweeds producers	
Prawn producers	
Oysters and mussels producers	
Other aqua products producers	
Inland and coastal waters fishery workers	
Deep-sea fishery workers	
Hunters and trappers	
Fishermen not elsewhere classified	
<b>Subsistence farmers, fishers, hunters and gatherers</b>	
<i>Subsistence crop farmers</i>	
Subsistence crop farmers	
<i>Subsistence livestock farmers</i>	
Subsistence livestock farmers	
<i>Subsistence mixed crop and livestock farmers</i>	
Subsistence mixed crop and livestock farmers	
<i>Subsistence fishers, hunters, trappers and gatherers</i>	
Subsistence fishers, hunters, trappers and gatherers	

<b>Major Group 7</b>	<b>CODE 700 - CRAFT AND RELATED TRADES WORKERS</b>
<b>Building and related trades workers, excluding electricians</b>	
<i>Building frame and related trades workers</i>	
House builders	
Bricklayers and related workers	
Stonemasons, stone cutters, splitters and carvers	
Concrete placers, concrete finishers and related workers	
Carpenters and joiners	
Building frame and related trades workers not elsewhere classified	
<i>Building finishers and related trades workers</i>	
Roofers	
Floor layers and tile setters	
Plasterers	
Insulation workers	
Glaziers	
Plumbers and pipe fitters	
Air conditioning and refrigeration mechanics	
<i>Painters, building structure cleaners and related trades workers</i>	
Painters and related workers	
Spray painters and varnishers	
Building structure cleaners	
<b>Metal, machinery and related trades workers</b>	
<i>Sheet and structural metal workers, moulders and welders, and related workers</i>	
Metal moulders and coremakers	
Welders and flame cutters	
Sheet-metal workers	
Structural-metal preparers and erectors	
Riggers and cable splicers	
<i>Blacksmiths, toolmakers and related trades workers</i>	
Blacksmiths, hammersmiths and forging press workers	
Toolmakers and related workers	
Metal working machine tool setters and operators	
Metal polishers, wheel grinders and tool sharpeners	
<i>Machinery mechanics and repairers</i>	
Motor vehicle mechanics and repairers	
Aircraft engine mechanics and repairers	
Agricultural and industrial machinery mechanics and repairers	
Bicycle and related repairers	
<b>Handicraft and printing workers</b>	
<i>Handicraft workers</i>	
Precision-instrument makers and repairers	
Musical instrument makers and tuners	

<b>Major Group 7</b>	<b>CODE 700 - CRAFT AND RELATED TRADES WORKERS</b>
Jewelry and precious-metal workers	
Potters and related workers	
Glass makers, cutters, grinders and finishers	
Sign writers, decorative painters, engravers and etchers	
Handicraft workers in wood, basketry and related materials	
Handicraft workers in textile, leather and related materials	
Handicraft workers not elsewhere classified	
<i>Printing trades workers</i>	
Pre-press technicians	
Printers	
Print finishing and binding workers	
<b>Electrical and electronics trades workers</b>	
<i>Electrical equipment installers and repairers</i>	
Building and related electricians	
Electrical mechanics and fitters	
Electrical line installers and repairers	
<i>Electronics and telecommunications installers and repairers</i>	
Electronics mechanics and servicers	
Information and communications technology installers and servicers	
<b>Food processing, wood working, garment and other craft and related trades workers</b>	
<i>Food processing and related trades workers</i>	
Butchers, fishmongers and related food preparers	
Bakers, pastry-cooks and confectionery makers	
Dairy products makers	
Fruit, vegetable and related preservers	
Food and beverage tasters and graders	
Tobacco preparers and tobacco products makers	
<i>Wood treaters, cabinet-makers and related trades workers</i>	
Wood treaters	
Cabinet-makers and related workers	
Woodworking-machine tool setters and operators	
<i>Garment and related trades workers</i>	
Tailors, dressmakers, furriers and hatters	
Garment and related patternmakers and cutters	
Sewing, embroidery and related workers	
Upholsterers and related workers	
Pelt dressers, tanners and fellmongers	
Shoemakers and related workers	
<i>Other craft and related workers</i>	
Underwater divers	

<b>Major Group 7</b>	<b>CODE 700 - CRAFT AND RELATED TRADES WORKERS</b>
Shotfirers and blasters	
Product graders and testers (excluding foods and beverages)	
Fumigators and other pest and weed controllers	
Craft and related workers not elsewhere classified	

<b>Major Group 8</b>	<b>CODE 800 - PLANT AND MACHINE OPERATORS, AND ASSEMBLERS</b>
<b>Stationary plant and machine operators</b>	
<i>Mining and mineral processing plant operators</i>	
Miners and quarries	
Mineral and stone processing plant operators	
Well drillers and borers and related workers	
Cement, stone and other mineral products machine operators	
<i>Metal processing and finishing plant operators</i>	
Metal processing plant operators	
Metal finishing, plating and coating machine operators	
<i>Chemical and photographic products plant and machine operators</i>	
Chemical products plant and machine operators	
Photographic products machine operators	
<i>Rubber, plastic and paper products machine operators</i>	
Rubber products machine operators	
Plastic products machine operators	
Paper products machine operators	
<i>Textile, fur and leather products machine operators</i>	
Fiber preparing, spinning and winding machine operators	
Weaving and knitting machine operators	
Sewing machine operators	
Bleaching, dyeing and fabric cleaning machine operators	
Fur and leather preparing machine operators	
Shoemaking and related machine operators	
Laundry machine operators	
Textile, fur and leather products machine operators not elsewhere classified	
<i>Food and related products machine operators</i>	
Food and related products machine operators	
<i>Wood processing and papermaking plant operators</i>	
Pulp and papermaking plant operators	
Wood processing plant operators	
<i>Other stationary plant and machine operators</i>	
Glass and ceramics plant operators	
Steam engine and boiler operators	

<b>Major Group 8</b>	<b>CODE 800 - PLANT AND MACHINE OPERATORS, AND ASSEMBLERS</b>
	Packing, bottling and labeling machine operators
	Stationary plant and machine operators not elsewhere classified
	<b>Assemblers</b>
	<i>Assemblers</i>
	Mechanical machinery assemblers
	Electrical and electronic equipment assemblers
	Assemblers not elsewhere classified
	<b>Drivers and mobile plant operators</b>
	<i>Locomotive engine drivers and related workers</i>
	Locomotive engine drivers
	Railway brake, signal and switch operators
	<i>Car, van and motorcycle drivers</i>
	Motorcycle drivers
	Car, taxi and van drivers
	<i>Heavy truck and bus drivers</i>
	Bus and tram drivers
	Heavy truck and lorry drivers
	<i>Mobile plant operators</i>
	Mobile farm and forestry plant operators
	Earthmoving and related plant operators
	Crane, hoist and related plant operators
	Lifting truck operators
	<i>Ships' deck crews and related workers</i>
	Ships' deck crews and related workers

<b>Major Group 9</b>	<b>CODE 900 - ELEMENTARY OCCUPATIONS (Unskilled workers)</b>
	<b>Cleaners and helpers</b>
	<i>Domestic, hotel and office cleaners and helpers</i>
	Domestic cleaners and helpers
	Cleaners and helpers in offices, hotels and other establishments
	<i>Vehicle, window, laundry and other hand cleaning workers</i>
	Hand launderers and pressers
	Vehicle cleaners
	Window cleaners
	Other cleaning workers
	<b>Agricultural, forestry and fishery laborers</b>
	<i>Agricultural, forestry and fishery laborers</i>
	Crop farm laborers
	Livestock farm laborers

<b>Major Group 9</b>	<b>CODE 900 - ELEMENTARY OCCUPATIONS (Unskilled workers)</b>
	Mixed crop and livestock farm laborers
	Garden and horticultural laborers
	Forestry laborers
	Fishery and aquaculture laborers
	<b>Laborers in mining, construction, manufacturing and transport</b>
	<i>Mining and construction laborers</i>
	Mining and quarrying laborers
	Civil engineering laborers
	Building construction laborers
	<i>Manufacturing laborers</i>
	Hand packers
	Manufacturing laborers not elsewhere classified
	<i>Transport and storage laborers</i>
	Hand and pedal vehicle drivers
	Drivers of animal-drawn vehicles and machinery
	Freight handlers
	Shelf fillers
	<b>Food preparation assistants</b>
	<i>Food preparation assistants</i>
	Fast food preparers
	Kitchen helpers
	<b>Street and related sales and service workers</b>
	<i>Street and related sales and service workers</i>
	Street and related sales and service workers
	<i>Street vendors (excluding food)</i>
	Street vendors (excluding food)
	<b>Refuse workers and other elementary workers</b>
	<i>Refuse workers</i>
	Garbage and recycling collectors
	Refuse sorters
	Sweepers and related laborers
	<i>Other elementary workers</i>
	Messengers, package deliverers and luggage porters
	Odd job persons
	Meter readers and vending-machine collectors
	Water and firewood collectors
	Elementary workers not elsewhere classified

<b>Major Group 0</b>	<b>CODE 000 - ARMED FORCES OCCUPATIONS</b>
<b>Commissioned armed forces officers</b>	
<i>Commissioned armed forces officers</i>	
Commissioned armed forces officers	
<b>Non-commissioned armed forces officers</b>	
<i>Non-commissioned armed forces officers</i>	
Non-commissioned armed forces officers	
<b>Armed forces occupations, other ranks</b>	
<i>Armed forces occupations, other ranks</i>	
Armed forces occupations, other ranks	

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