

QUESTIONNAIRE NUMBER **id**

CELL ID **cell id**

ROTATION NUMBER **rotation**

THE WORLD BANK
Zambia Firm-Level Skills Survey 2016

GPS Coordinates				
poslat	N	S	Degrees (Latitude)	Lat
poslon	E	W	Degrees (Longitude)	Lon

A. CONTROL INFORMATION [TO BE COMPLETED BEFORE INTERVIEW]

A.1 Country

a1=40

A.1a Language

a1a

A.2

	Sampling Region a2
Kitwe	1
Livingstone	4
Lusaka	3
Ndola	2

A.3a

	Screener Region (coded ex post) a3a
Kitwe	1
Livingstone	4
Lusaka	3
Ndola	2

A.3x Name of city/town/village

a3x

A.3b Is this city the official capital city?

a3b

Yes	1
No	2

A.3c Is this city the main business city?

a3c

Yes	1
No	2

A.3 Size of locality **a3**

City with population over 1 million	2
Over 250.000 to 1 million	3
50.000 to 250.000	4
Less than 50.000	5

A.4 Industry

	Sampling sector a4a	Screener sector a4b
Food	15	15
Textiles	17	17
Garments	18	18
Fabricated metal products	28	28
Furniture	36	36
IT	72	72
Hotel and restaurants: section H	55	55
Construction Section F:	45	45
Transport Section I: (60-64)	60	60

A.5 Sector match between screener information and sample frame **a5**

Yes, screener and sample frame info match	1
No, screener and sample frame do not match but establishment still does activities that match sample frame	2
No, does not match	3

A.6 Size

	Sampling size a6a	Screener Size a6b
Small ≥ 5 and ≤ 19	1	1
Medium ≥ 20 and ≤ 99	2	2
Large ≥ 100	3	3

QUESTIONNAIRE NUMBER

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A.12 Interviewer code

a12

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A.13 Supervisor code

a13

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A.14 Time face-to-face interview begins:

Day (dd)	Month (mm)	Year (yyyy)	Hour (00 to 23)	Minutes (00 to 59)
a14d	a14m	a14y	a14h	a14min

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING.

The goal of this survey is to gather information about the skill profile, training and employers' opinions and expectations about the skill needs of the private sector in **Zambia**. The information gathered will help the World Bank and the Government of Zambia to develop new skill policies and programs to enhance job creation, firm performance and economic growth.

The information obtained here will be held in the strictest confidentiality. Neither your name nor the name of your business will be used in any document based on this survey. For your participation in this survey, a summary of the main findings of this study will be shared with you upon completion of the study.

B. GENERAL INFORMATION

A.7 Is this establishment part of a larger firm? (larger firms include several distinct locations or establishments, including branch offices or production, distribution, or sales sites)

Yes	1	SKIP TO B.1
No	2	
		a7

A.7a How many establishments are part of the firm?

Number of establishments	a7a
DON'T KNOW (SPONTANEOUS)	-9

A.7b Is this establishment the headquarters location?

Yes	1	SKIP TO A9
No	2	
		a7b

QUESTIONNAIRE NUMBER

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A.7c Does this headquarters location engage in production or sales at this location?

Yes	1
No	2

TERMINATE

a7c

A.11 Are the financial statements of the headquarters location separate from the rest of establishments?

Yes	1
No	2

SKIP TO B.1

SKIP TO B.1

a11

A.9 Are this establishment's financial statements prepared separately from headquarters' statements?

Yes	1
No	2

TERMINATE

a9

READ OUT THE FOLLOWING INTRODUCTORY SENTENCE ONLY IF A7 = 1 (yes):

The first few questions apply to the firm which your establishment is part of.

B.1 What is this firm's current legal status? **SHOW CARD 1**

Shareholding company with shares trade in the stock market	1
Shareholding company with non-traded shares or shares traded privately	2
Sole proprietorship	3
Partnership	4
Limited partnership	5
OTHER (SPONTANEOUS-SPECIFY) ___ b1x ___	6
DON'T KNOW (SPONTANEOUS)	-9

SKIP TO B.2

b1

INTERVIEWER: PLEASE NOTE THAT WHEN b1 IS 3 (SOLE PROPRIETORSHIP), WRITE 100% FOR QUESTION b3.

B.3 What percentage of this firm does the largest owner or owners own?

	Percent
Percentage held by largest owner or owners	b3 %
DON'T KNOW (SPONTANEOUS)	-9

QUESTIONNAIRE NUMBER

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B.2 What percentage of this firm is owned by each of the following: **SHOW CARD 2**

	Percent	DON'T KNOW (SPONT.)
Private domestic individuals, companies or organizations	b2a %	-9
Private foreign individuals, companies or organizations	b2b %	-9
Government or State	b2c %	-9
Other	b2d %	-9
	100%	

IF 0, GO TO B.4

IF 100% END INTERVIEW

INTERVIEWER: COMPLETE ALL AND CHECK THAT TOTAL SUMS TO 100% (UNLESS RESPONDENT DOES NOT KNOW)

B.2b1 What is the country of origin of the main private foreign owner?

	Name of country
Name of the country	b2b1x
DON'T KNOW (SPONTANEOUS)	-9

B.4 Amongst the owners of the firm, are there any females?

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

b4

READ ONLY IF A7=1 (yes)

I want to proceed by asking you about this establishment only.

B.5 In what year did this establishment begin operations?

	Year
Year establishment began operations	b5
DON'T KNOW (SPONTANEOUS)	-9

INTERVIEWER: PROVIDE FOUR DIGITS FOR YEAR

QUESTIONNAIRE NUMBER

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B.6	How many full-time employees did this establishment employ when it started operations? Please include all employees and managers (INTERVIEWER: INCLUDE RESPONDENT WHEN APPLICABLE)
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	Number
Full-time employees at start-up	b6
DON'T KNOW (SPONTANEOUS)	-9

B.6a	Was this establishment formally registered when it began operations?
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Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

b6a

B.6b	In what year was this establishment formally registered?
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	Year
Year establishment formally registered	b6b
DON'T KNOW (SPONTANEOUS)	-9
NEVER REGISTERED (SPONTANEOUS)	-7

INTERVIEWER: PROVIDE FOUR DIGITS FOR YEAR.

B.7	How many years of experience working in this sector does the Top Manager have?
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	Years
Manager's experience in sector	b7
LESS THAN ONE YEAR	1
DON'T KNOW (SPONTANEOUS)	-9

B.7b	How many years of education does the Top Manager have?
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	Years
Manager's years of education	b7b
DON'T KNOW (SPONTANEOUS)	-9

B.7a	Is the Top Manager female?
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Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

b7a

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D. SALES AND MARKETS

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

The next topic to be covered is how and where this establishment makes its sales.

D.1a1 In fiscal year **[insert last complete fiscal year]**, what was this establishment's main activity and product, that is, the activity and product that represented the largest proportion of annual sales?
ENUMERATOR: PLEASE SPECIFY THE ACTIVITY AND PRODUCT IN DETAIL, FOR EX., "LEATHER SHOE MANUFACTURING" NOT JUST SHOES' MANUFACTURING

	d1a1a	Description
Manufacturing of	1	d1a1x
Retail trade of	2	
Wholesale trade of	3	
Construction of	4	
Hotel or restaurant	5	
Provide services of	6	

INTERVIEWER: THE FOLLOWING QUESTION IS NOT PART OF THE INTERVIEW. IT WILL BE FILLED OUT IN THE OFFICE

D.1a2 **PLEASE CHOOSE THE 4-DIGIT ISIC REV. 3.1 CODE THAT BEST APPLIES TO THE ESTABLISHMENT'S MAIN ACTIVITY AND PRODUCT.**

	Code
CODE OF THE MAIN PRODUCT AND ACTIVITY	d1a2

D.1a3 What percentage of total sales does the main activity or product represent?

	Percent
Percentage of sales represented by main product or activity	d1a3%
DON'T KNOW (SPONTANEOUS)	-9

INTERVIEWER: PLEASE NOTE THAT THE NEXT QUESTION REFERS TO THE TOTAL SALES OF ALL PRODUCTS AND SERVICES

QUESTIONNAIRE NUMBER

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D.2	In the last complete fiscal year, what were this establishment's total annual sales for ALL products and services?
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	ZMK
Last complete fiscal year's total sales	d2
DON'T KNOW (SPONTANEOUS)	-9
PLEASE ALSO WRITE OUT THE NUMBER (i.e. 50,000 as Fifty Thousand)	
	d2x

FY	What is the period of the last complete fiscal year for this establishment? INTERVIEWER: IF THE RESPONDENT DOES NOT KNOW, FILL IN USING PERIOD August 30, 2014 TO September 1 2015
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Fiscal year Begins

Month (mm)	Year (yyyy)
fymonb	fyyearb

Fiscal year Ends

Month (mm)	Year (yyyy)
fymone	fyyear

N.3	Three complete fiscal years ago (i.e., last complete fiscal year MINUS two), what were the total annual sales for this establishment?
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	ZMK
Total annual sales three fiscal years ago	n3
IF ESTABLISHMENT WAS NOT IN BUSINESS THREE YEARS AGO	-7
DON'T KNOW (SPONTANEOUS)	-9

D.3	In the last complete fiscal year, what percentage of this establishment's sales were: SHOW CARD 3 (INTERVIEWER: SKIP PATTERNS MUST BE FOLLOWED IN THE ORDER THEY APPEAR IN THE TABLE)
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	Percent	DON'T KNOW (SPONT.)
National sales	d3a %	-9
Indirect exports (sold domestically to third party that exports products)	d3b %	-9
Direct exports	d3c %	-9

IF 100, GO TO QUESTION L.1

IF > 0 GO TO QUESTION D.8

IF > 0, GO TO QUESTION D.8

QUESTIONNAIRE NUMBER

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100%

INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%

D.8	In which year did this establishment first export directly or indirectly?
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	Year
Began exporting directly or indirectly	d8
DON'T KNOW (SPONTANEOUS)	-9

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L. SKILLS AND LABOR

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

Now I would like to ask you a few questions about this establishment's labor force.

L.1	<p>At the end of the last complete fiscal year, how many permanent, full-time individuals worked in this establishment? Please include all employees and managers</p> <p>(Permanent, full-time employees are defined as all paid employees that are employed for a term of one or more fiscal years and/or have a guaranteed renewal of their employment and work a full shift)</p> <p>(INTERVIEWER: INCLUDE INTERVIEWEE IF APPLICABLE).</p>
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	Number
Permanent, full-time workers the end of last fiscal year	11
DON'T KNOW (SPONTANEOUS)	-9

L.2	<p>At the end of fiscal year (i.e., last complete fiscal year MINUS two), how many permanent, full-time individuals worked in this establishment? Please include all employees and managers</p> <p>(Permanent, full-time employees are defined as all paid employees that are employed for a term of one or more fiscal years and/or have a guaranteed renewal of their employment and work a full shift)</p> <p>(INTERVIEWER: INCLUDE INTERVIEWEE IF APPLICABLE).</p>
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	Number
Permanent, full-time workers three fiscal years ago	12
IF ESTABLISHMENT WAS NOT IN BUSINESS THREE YEARS AGO	-7
DON'T KNOW (SPONTANEOUS)	-9

QUESTIONNAIRE NUMBER

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L.6	How many full-time seasonal or temporary employees did this establishment employ throughout the last complete fiscal year? (Full-time, temporary workers are all paid short-term (i.e. for less than a year) employees with no guarantee of renewal of employment and work full-time, excluding casual workers)
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	Number
Full-time seasonal or temporary workers employed last fiscal year	16
NO FULL-TIME SEASONAL OR TEMPORARY WORKERS	0
DON'T KNOW (SPONTANEOUS)	-9

L.3	How many full-time temporary employees did this establishment employ three complete fiscal years ago?
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	Number
Full-time seasonal or temporary workers employed three fiscal years ago	13
DON'T KNOW (SPONTANEOUS)	-9

L.4	Currently, what percentage of the full-time, permanent workers of this establishment have completed the following as their highest level of education? SHOW CARD 4
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	Percent	DON'T KNOW ((SPONTANEOUS))
Primary school or below	14a %	-9
Lower secondary school	14b %	-9
Upper secondary school	14c %	-9
Higher (Tertiary) education	14d %	-9
	100%	

**INTERVIEWER: CHECK THAT TOTAL SUMS TO 100%
(UNLESS RESPONDENT DOES NOT KNOW)**

L.5	What percentage of the full-time permanent workers have completed TVET?
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	Percent
Percentage of full time permanent workers who completed TVET	15
DON'T KNOW (SPONTANEOUS)	-9

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OCCUPATIONS

	L.7 At the end of the last completed fiscal year, how many permanent, full-time individuals working in this establishment were in the following categories? DON'T KNOW=-9 SHOW CARD 5	L.8 At the end of the last completed fiscal year, how many foreign permanent, full-time individuals working in this establishment were of the following category? DON'T KNOW=-9 SHOW CARD 5
	Number	Number
Managers	17a	18a
Professionals	17b	18b
Technicians and Associate Professionals	17c	18c
Clerical Support workers	17d	18d
Service and sales workers	17e	18e
Plant and machine operators and assemblers	17f	18f
Others	17g	18g

INTERVIEWER:

- 1) IF ANY OF THE CATEGORIES IN L7 =0 OR DON'T KNOW, THEN RECORD -7 IN CORRESPONDING VARIABLE IN L.8
- 2) PLEASE MAKE SURE THAT L7a TO L7g SUM TO L.1

L.9	In the last completed fiscal year, what was the average gross wage/salary per month of a current, permanent, full-time employee in the following occupational category? INTERVIEWER: IF WAGES ARE PAID TWICE A MONTH, PLEASE CONVERT INTO MONTHLY WAGE SHOW CARD 5
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	Average gross wage/salary in ZMK	DON'T KNOW (SPONTANEOUS)	DOESN'T APPLY (SPONTANEOUS)
Managers	19a	-9	-7
Professionals	19b	-9	-7
Technicians and Associate Professionals	19c	-9	-7
Clerical Support workers	19d	-9	-7
Service and sales workers	19e	-9	-7
Plant and machine operators and assemblers	19f	-9	-7
Others	19g	-9	-7

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L.16	<p>How do you rate the level of skills of the establishment's permanent employees compared to what the establishment needs for the following types of skills?</p> <p>SHOW CARD 6</p> <p>INTERVIEWER: PLEASE READ OUT THE QUESTIONS</p>
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	Below required	As required	Above required	(SPONTANEOUS)	
				DON'T KNOW	DOES NOT APPLY
Interpersonal and communication skills I16a	0	1	2	-9	-7
Writing skills I16b	0	1	2	-9	-7
Problem solving skills I16c	0	1	2	-9	-7
Critical thinking skills I16d	0	1	2	-9	-7
Work ethic I16e	0	1	2	-9	-7
English skills I16f	0	1	2	-9	-7
Computer skills / General IT skills I16g	0	1	2	-9	-7
Technical skills, other than computers / vocational, job-specific skills I16h	0	1	2	-9	-7
Numeracy skills I16i	0	1	2	-9	-7

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VACANCIES AND HIRING

L.10	Over the last two completed fiscal years, did this establishment have any job vacancies?
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Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

GO TO QUESTION L.12

GO TO QUESTION L.12

I10

	L.10a How many of these vacancies in this establishment were in the following categories? SHOW CARD 7	L.10b How many of these vacancies were filled? SHOW CARD 7	L.10c What was the average number of weeks required to fill these vacancies? SHOW CARD 7
	Number	Number	Number
Managers	I10a1	I10b1	I10c1
Professionals	I10a2	I10b2	I10c2
Technicians and Associate Professionals	I10a3	I10b3	I10c3
Clerical Support workers	I10a4	I10b4	I10c4
Service and sales workers	I10a5	I10b5	I10c5
Plant and machine operators and assemblers	I10a6	I10b6	I10c6
Others	I10a7	I10b7	I10c7

INTERVIEWER: IF ANY OF THE CATEGORIES IN L10a =0 OR DON'T KNOW, THEN RECORD -7 IN CORRESPONDING VARIABLE IN L10b AND L10c

OR

IF ANY OF THE CATEGORIES IN L10b =0 OR DON'T KNOW, THEN RECORD -7 IN CORRESPONDING VARIABLE IN L10c

QUESTIONNAIRE NUMBER

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L.11	Over the last two completed fiscal years, did this establishment encounter the following problems when trying to hire workers? INTERVIEWER: PLEASE READ OUT
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	Yes	No	DON'T KNOW (SPONTANEOUS)	DOES NOT APPLY (SPONTANEOUS)
There were no or few applicants I11a	1	2	-9	-7
Applicants lacked required skills I11b	1	2	-9	-7
Applicants expected wages higher than we can offer I11c	1	2	-9	-7
Applicants did not like working conditions I11d	1	2	-9	-7
Other (Specify)_ I11ex	1	2	-9	-7

L.12	By looking at card 8, can you tell me among the following skills which are the three most important type of skills for deciding whether to hire an employee? SHOW CARD 8 INTERVIEWER: DO NOT READ OUT
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1=Interpersonal and communication skills
2=Writing skills
3=Problem solving skills
4=Critical thinking skills
5=Work ethic
6=English skills
7=Computer skills / General IT skills
8=Technical skills, other than computers / vocational, job-specific skills
9=Numeracy Skills

		DON'T KNOW (SPONT.)	DOES NOT APPLY (SPONT.)
First most important skills	I12a	-9	-7
Second most important skills	I12b	-9	-7
Third most important skills	I12c	-9	-7

Rotation (option 1 or 2)	I12r
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L. 13. Thinking about the current workforce of this establishment, please list up to three **main** public or private **universities** attended by employees hired by this establishment. **Main** refers to the university attended by the highest numbers of employees.

SHOW CARD 9

Name of the university	Location (town/city) of the University	Type of University: Public=1, Private=2
“Unknown”= DON’T KNOW “NA”= DOES NOT APPLY	“Unknown”= DON’T KNOW “NA”= DOES NOT APPLY	-9 DON’T KNOW -7 DOES NOT APPLY
I13a1x	I13b1x	I13c1
I13a2x	I13b2x	I13c2
I13a3x	I13b3x	I13c3

L. 14. Thinking about the current workforce of this establishment, please list the three **main TVET or other tertiary-level technical** institution attended by employees hired by this establishment. **Main** refers to the **TVET or other tertiary-level technical** intuition attended by the highest numbers of employees.

SHOW CARD 10

Name of the TVET or other tertiary-level technical	Location (town/city) of the institution	Type of TVET or other tertiary-level technical institution: Public=1, Private=2
“Unknown”= DON’T KNOW “NA”= DOES NOT APPLY	“Unknown”= DON’T KNOW “NA”= DOES NOT APPLY	-9 DON’T KNOW -7 DOES NOT APPLY
I14a1x	I14b1x	I14c1
I14a2x	I14b2x	I14c2
I14a3x	I14b3x	I14c3

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SKILLS AND TRAINING

L.17	Over the last two fiscal years, due to employee shortages or skills gaps of the workforce , did this establishment experience the following difficulties? INTERVIEWER: READ OUT
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	Yes	No	DON'T KNOW (SPONTANEOUS)	DOES NOT APPLY
Maintaining production levels according to demand (or planned output) I17a	1	2	-9	-7
Maintaining consistent quality I17b	1	2	-9	-7
Implementing new technology or improving production processes I17c	1	2	-9	-7
Developing new products I17d	1	2	-9	-7
Effective sales and marketing I17e	1	2	-9	-7

L.18a	Over the past two fiscal years, did this establishment conduct any (<i>beyond “on the job”</i>) formal training programs in-house or outside the establishment’s premises for its permanent, full-time employees?
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Yes	1	GO TO QUESTION L.26 GO TO QUESTION L.26
No	2	
DON'T KNOW (SPONTANEOUS)	-9	

I18a

L.18	In the last two fiscal years, did this establishment conduct formal (<i>beyond “on the job”</i>) in-house training programs for its permanent full-time employees?
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Yes	1	GO TO QUESTION L.21 GO TO QUESTION L.21
No	2	
DON'T KNOW (SPONTANEOUS)	-9	

I18

L.19	What percent of this establishment’s permanent full time employees received formal in-house training?
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	Percent
Percentage received training	I19 %
DON'T KNOW (SPONTANEOUS)	-9

QUESTIONNAIRE NUMBER

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L.20	Who was the main training provider of the in-house training? SHOW CARD 11
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In-house training staff	1
Public TVET Trainers	2
Consultants / private training firms	3
Industry/association trainers	4
Other	5
DON'T KNOW (SPONTANEOUS)	-9

120

L. 20a. Other than your own company employees, please list up to three **main** public and private institutions used by this establishment to provide in-house training in the last two fiscal years. **Main** refers to institutions training the highest number of this establishment's employees.

SHOW CARD 12

Name of the institution "Unknown"= DON'T KNOW	Location (town/city) "Unknown"= DON'T KNOW "NA"= DOES NOT APPLY	Type of institution: Public=1, Private=2 -9= DON'T KNOW -7= DOES NOT APPLY
120a1	120b1	120c1
120a2	120b2	120c2
120a3	120b3	120c3

L.21	In the last two fiscal years, did this establishment send its permanent full-time employees to formal (<i>beyond "on the job"</i>) training programs outside its premises ?
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Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

GO TO QUESTION L.26

GO TO QUESTION L.26

121

L.22	What percent of this establishment's permanent full time employees received formal training programs outside its premises?
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	Percent
Percentage received training	122 %
DON'T KNOW (SPONTANEOUS)	-9

QUESTIONNAIRE NUMBER

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L.23	Who was the main training provider of the outside training? SHOW CARD 13
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Universities	1
Public TVET	2
Private TVET	3
Industry Association/chamber of commerce	4
Other	5
DON'T KNOW (SPONTANEOUS)	-9

123

L. 25. Please list up to three **main** public and private institutions used by this establishment for external training in the last two fiscal years. **Main** refers to institutions where the highest numbers of this establishment's employees were trained. .

SHOW CARD 14

Name of the institution	Location (town/city)	Type of institution: Public=1, Private=2
"Unknown"= DON'T KNOW	"Unknown"= DON'T KNOW	
	"NA"= DOES NOT APPLY	-9= DON'T KNOW
		-7= DOES NOT APPLY
1251a	1251b	1251c
1252a	1252b	1252c
1253a	1253b	1253c

L.24	Over the last two fiscal years, how much did this establishment spend on formal (in-house and external) training programs for its permanent full-time employees?
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	ZMK	
Expenditures on formal training programs	124	If >0, GO TO QUESTION L.26a
DON'T KNOW (SPONTANEOUS)	-9	GO TO QUESTION L.26a

L.26	What was the MAIN reason why this establishment did not conduct any formal training programs for its permanent full-time employees? SHOW CARD 15
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Too expensive/not cost efficient	1
Training programs/trainers were not available	2
Training would not be useful	3
If training provided, workers will leave for other firms	4
Cannot afford for my staff not to work while taking the training	5
DON'T KNOW (SPONTANEOUS)	-9

126

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L.26a	Does this establishment have regular contact with educational or training institutions for any of the following purposes? INTERVIEWER: READ OUT
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	Yes	No	DON'T KNOW (SPONTANEOUS)	DOES NOT APPLY
To recruit staff l26a1	1	2	-9	-7
Use the institute for training of the establishment's staff l26a2	1	2	-9	-7
Participate in testing of students l26a3	1	2	-9	-7
Give feedback to the institutions for their Curriculum development l26a4	1	2	-9	-7
Provide work experience for students (internships and apprenticeships) l26a5	1	2	-9	-7
Other (please specify) _____ l26ax	1	2	-9	-7

L.26b	Is this establishment a member of industry association or other industry organization?
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Yes	1	GO TO QUESTION L.27 GO TO QUESTION L.27 l26b
No	2	
DON'T KNOW (SPONTANEOUS)	-9	

L.26c	Please list names of three main industry associations or other industry organization in which this establishment is a member of, and rate the quality of dialogues conducted by these associations.
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SHOW CARD 16

Name of the three main industry association or other industry organization: "Unknown"= DON'T KNOW	Quality of industry-level dialogue: 1-Very Poor, 2-Poor, 3-Good, 4-Very good, -9 DON'T KNOW -7 DOES NOT APPLY	Quality of government-level dialogue: 1-Very Poor, 2-Poor, 3-Good, 4-Very good, -9 DON'T KNOW -7 DOES NOT APPLY
l26a1x	l26b1	l26c1
l26a2x	l26b2	l26c2
l26a3x	l26b3	l26c3

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PROFESSIONAL EMPLOYEES AND OUTSOURCING SERVICES

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

The following questions refer only to professions in the areas of law, accounting/auditing, architecture, engineering and IT. We are interested in the numbers and monthly compensation of your full-time employees in these professions, and whether your establishment outsources these services to external firms (domestic or foreign) specializing in these professions

	L27. In the last completed fiscal year, how many full-time permanent employees did this establishment employ for each category? DON'T KNOW=-9 SHOW CARD 17	L28. In the last completed fiscal year, what was the average gross wage/salary per month of a current, permanent, full-time employee in the following occupational category? INTERVIEWER: IF WAGES ARE PAID TWICE A MONTH, PLEASE CONVERT INTO MONTHLY WAGE DON'T KNOW=-9 SHOW CARD 17
	Number	Average gross wage/salary in Zambian Kwacha
Engineering Professionals	l27a	l28a
Engineering Technicians	l27b	l28b
Certified accountants and auditors	l27c	l28c
Bookkeepers & technician accountants	l27d	l28d
Architects	l27e	l28e
Lawyers	l27f	l28f
IT Professionals	l27g	l28g
IT technicians & associate professionals	l27h	l28h

QUESTIONNAIRE NUMBER

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L.29	In the last completed fiscal year, did this establishment outsource any of the following professional services?
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	Yes	No	DON'T KNOW (SPONT.)	DOESN'T APPLY (SPONT.)
Engineering services l29a	1	2	-9	-7
Accounting and Auditing services l29b	1	2	-9	-7
Architectural services l29c	1	2	-9	-7
Legal services l29d	1	2	-9	-7
IT services l29e	1	2	-9	-7

L.30	Using the response options on the card; To what degree is an Inadequately Educated Workforce an obstacle to the current operations of this establishment? SHOW CARD 18
-------------	--

	No obstacle	Minor obstacle	Moderate obstacle	Major obstacle	Very Severe Obstacle	(SPONTANEOUS) DON'T KNOW	DOES NOT APPLY
Inadequately educated workforce l30b	0	1	2	3	4	-9	-7

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H. INNOVATION AND TECHNOLOGY USE

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING

And now we switch to a different topic. In this section, “new” means new to the establishment but not necessarily new to the market.

H.1 During the last three years, has this establishment introduced new or significantly improved **products or services**?

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

h1

H.3 During the last three years, has this establishment introduced any new or significantly improved **methods of manufacturing products or offering services** ?

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

h3

H.4 During the last three years, has this establishment introduced any new or significantly improved **logistics, delivery or distribution** method or any new or significantly improved **supporting activity**?

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

h4

H.5 During the last three years, has this establishment introduced any new or significantly improved **organizational structures or management practices**;

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

h5

H.6 During the last three years, has this establishment introduced any new or significantly improved **marketing methods**?

QUESTIONNAIRE NUMBER

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Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

h6

H.7a	During the last three years, did this establishment spend on formal research and development activities, either in-house or contracted with other companies, excluding market research surveys?
-------------	---

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

GO TO QUESTION H.8

GO TO QUESTION H.8

h7a

H.7b	In the last complete fiscal year, how much did this establishment spend on formal research and development activities, either in-house or contracted with other companies?
-------------	--

	ZMK
Expenditures on formal research and development activity	h7b
DON'T KNOW (SPONTANEOUS)	-9

H.8	Does this establishment have an internationally-recognized quality certification? (INTERVIEWER: SOME EXAMPLES ARE ISO 9000 or 14000, or HACCP)
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Yes	1
No	2
STILL IN PROCESS	-6
DON'T KNOW (SPONTANEOUS)	-9

GO TO QUESTION H.9

GO TO QUESTION H.9

h8

H.8a	What is the name of the certification?
-------------	--

Name of Certifications	h8ax
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H.9	At present time, does this establishment use technology licensed from a foreign-owned company, excluding office software?
------------	---

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

h9

H.9a	At the present time, does this establishment use e-mail to communicate with clients or suppliers?
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QUESTIONNAIRE NUMBER

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Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

h9a

H.10 At the present time, does this establishment have its own website?

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

h10

K. INVESTMENT

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

I would like to ask you few questions about this establishment's investments in fixed assets.

K.4 In the last complete fiscal year, did this establishment purchase any fixed assets, such as machinery, vehicles, equipment, land or buildings (new or used)?

Yes	1
No	2
DON'T KNOW (SPONTANEOUS)	-9

GO TO QUESTION N.2

GO TO QUESTION N.2

k4

N.5 In the last complete fiscal year, how much did this establishment spend on purchases of:
INTERVIEWER: READ OUT

	ZMK	DON'T KNOW (SPONTANEOUS)
Machinery, vehicles, and equipment (new or used)	n5a	-9
Land and buildings	n5b	-9

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N. PERFORMANCE

READ THE FOLLOWING TO THE RESPONDENT BEFORE PROCEEDING:

Now, we would like to ask you a few questions about the financial results of this establishment. It is important that this information be as accurate as possible. The individual data are treated as confidential – the identity of your establishment will not be revealed at any point. Please provide the following information from the financial statements of this establishment.

N.2	From this establishment's Income Statement for the last complete fiscal year, please provide the following information: SHOW CARD 19
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	ZMK	DON'T KNOW (SPONTANEOUS)
Total annual cost of labor including wages, salaries, bonuses, social security payments	n2a	-9
Total cost of sales	n2p	-9

N.6	From this establishment's Balance Sheet for the last complete fiscal year, what was the net book value, that is the value of assets after depreciation, of the following:
------------	---

	ZMK	DON'T KNOW (SPONTANEOUS)
Machinery, vehicles, and equipment	n6a	-9
Land and buildings	n6b	-9

N.7	Hypothetically, if this establishment were to purchase the assets it uses now , in their current condition and regardless of whether the establishment owns them or not, how much would they cost, independently of whether they are owned, rented or leased? INTERVIEWER: READ OUT
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	ZMK	DON'T KNOW (SPONTANEOUS)
Machinery, vehicles, and equipment	n7a	-9
Land and buildings	n7b	-9

QUESTIONNAIRE NUMBER

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A.15a Please complete the following information about the interviewee(s)

	Position in the firm	Years with the firm ENTER 1 WHEN YEARS WITH THE FIRM IS LESS THAN ONE	Gender 1: MALE 2: FEMALE
Main respondent	a15a1x	a15a2	a15a3
Second respondent	a15b1x	a15b2	a15b3
Third respondent	a15c1x	a15c2	a15c3

THE SURVEY ENDS HERE

THANK YOU VERY MUCH FOR YOUR COOPERATION.

A.15 Time face-to-face interview ends:

Day (dd)	Month (mm)	Year (yyyy)	Hour (00 to 23)	Minutes (00 to 59)
a15d	a15m	a15y	a15h	a15min

INTERVIEWERS PLEASE ANSWER AT END OF THE INTERVIEW:

A.16	It is my perception that the responses to the questions regarding opinions and perceptions:
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Truthful	1
Somewhat truthful	2
Not truthful	3

a16

A.16a	The section L (Skills and Labor) questions are answered:
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Entirely by the human resource manger	1
Partly by the human resource manager	2
Entirely by someone else	3

a16a

A.17	The responses to the questions regarding figures (productivity and employment numbers):
-------------	---

Are taken directly from establishment records	1
Are estimates computed with some precision	2
Are arbitrary and unreliable numbers	3
Are in some case taken from books in some case estimates	4

a17

INTERVIEWER COMMENTS:

a17x

(Problems occurred/extraordinary circumstances which could influence results)

SUPERVISORS PLEASE ANSWER:

A.18	This questionnaire was completed in:
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One visit in face-to-face interview with one person	1
One visit in face-to-face interview with different managers/staff	2
Several visits	3

STOP HERE

QUESTIONNAIRE NUMBER

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a18

A.19 If option 2 or 3 in A.18, estimate duration of the whole interview

Hour	Minutes
a19h	a19m