

NOTES

_dta:

1. Copyright 2016-18 The European Bank for Reconstruction and Development and The World Bank.
2. Version as of 23 Aug 2017. Compared to the version of 5 Oct 2015, data for Cyprus and Greece were added, variable a3 was corrected for several cases in Russia and a3b for one case in Armenia.
3. All variables are in Local Currency Units (LCU) where applicable.
4. Refer to data in all uses as EBRD-World Bank Business Environment and Enterprise Performance Survey (BEEPS) V.
5. Please read the Technical documentation before using the data.
6. Address comments and questions using the form at <http://ebrd-beeps.com/contact/> (EBRD) or email WB at rru@worldbank.org (subject Enterprise Surveys Question).

a10:

1. a10. Establishment's fin. statements prepared separately from other establishments

c28:

1. c28. Does this establishment currently use cell phones for the operations of this establishment?

d7:

1. d7. % of value of products exported directly lost in transit - breakage/spoilage

d11:

1. d11. % of value of products for domestic markets lost in transit - breakage/spoilage

d12a:

1. d12a. Domestic material inputs or supplies as a % of all material inputs or supplies

d12b:

1. d12b. Foreign material inputs or supplies as a % of all material inputs or supplies

ecad31b1:

1. ECAd31b1. Change in total costs if customs and trade regulations are no longer an obstacle

ecad31b2:

1. ECAd31b2. Expected % increase in total costs - customs and trade regulations no obstacle

ecad31b3:

1. ECAd31b3. Expected % decrease in total costs - customs and trade regulations no obstacle

e6:

1. e6. Does the company use technology licensed from a foreign-owned company (excluding office software)?

ecaq53:

1. ECAq53. Over the past 3 years, has the firm received any subsidies from local, regional or national government, or EU sources?

h4:

1. h4. New organisational/management practices or structures introduced over last 3 yrs

g4:

1. g4. Informal gift/ payment expected/requested to obtain construction-related permit?

k1c:

1. k1c. Paid after delivery - % of total annual purchases of material inputs/services

k9:

1. k9. Type of financial institution that granted the most recent line of credit/loan

k14e:

1. k14e. Collateral - Other forms of collateral not included in the categories above

k15a:

1. k15a. Approx. collateral value required for the most recent line of credit/loan (LCU)

k15b:

1. k15b. Total number of outstanding loans/lines of credit held by this establishment

k15c:

1. k15c. Total value of outstanding loans/lines of credit held by this establishment (LCU)

k15d:

1. k15d. Outstanding personal loans used to finance establishment's business activities?

ecak17:

1. ECAk17. Main reason for not applying for line of credit/loan

ecaj31c1:

1. ECAj31c1. Change in total costs if business licensing and permits no longer an obstacle

ecaj31c2:

1. ECAj31c2. Expected % increase in total costs - business licensing and permits no obstacle

ecaj31c3:

1. ECAj31c3. Expected % decrease in total costs - business licensing and permits no obstacle

ecaq41c:

1. ECAq41c. Frequency of unofficial payments/gifts to deal with taxes and tax collection

ecaq44a:

1. ECAq44a. Private payments/gifts/other benefits to Parliamentarians - direct impact

ecaq44b:

1. ECAq44b. Private payments/gifts/other benefits to Government officials - direct impact

ecaq44c:

1. ECAq44c. Private payments/gifts/other benefits to local/regional officials -direct impact

ecar20x:

1. ECAr20x. Main reason the establishment did not hire an external consultant (Other)

l1:

1. l1. Number of permanent, full-time individuals working at the end of last fiscal yr

l4a:

1. l4a. Number of permanent, full-time individuals who are skilled production workers

l4b:

1. l4b. Number of permanent, full-time individuals who are unskilled production workers

l5:

1. l5. Number of permanent, full-time individuals working at the end of last fiscal yr who are

female

15b:

1. 15b. Female permanent full-time non-production workers at the end of last fiscal yr

16a:

1. 16a. Number of temporary full-time workers employed at the end of last fiscal yr who are female

18:

1. 18. Average length of employment of full-time temporary employees in last fiscal yr (months)

110:

1. 110. Formal training programs for permanent full-time employees over last fiscal yr?

111a:

1. 111a. % of production full-time permanent employees that received formal training

111b:

1. 111b. % of non-production full-time permanent employees that received formal training

ecal31b1:

1. ECA131b1. Change in total sales if inadequately educated workforce no longer an obstacle

ecal31b2:

1. ECA131b2. Expected % increase in total sales - inadequately educated workforce no obstacle

ecal31b3:

1. ECA131b3. Expected % decrease in total sales - inadequately educated workforce no obstacle

eca01a:

1. ECA01a. No. of new/significantly improved products/services introduced over last 3 yrs

eca02c:

1. ECA02c. Main new /significantly improved product/service new to international market

eca03g:

1. ECA03g. New product/service is more efficient/easier to use than existing product/service

ecao4:

1. ECAo4. % annual sales accounted for by new or significantly improved products/services

ecao5x:

1. ECAo5x. Way in which main new/significantly improved product/service introduced (Other)

ecao8x:

1. ECAo8x. Most important new/significantly improved method of supplying products/services

ecao10b:

1. ECAo10b. New method of supplying products/services: change in machinery and equipment

ecao11:

1. ECAo11. Way of intro of main new/significantly improved production/delivery method

ecao11x:

1. ECAo11x. Way of intro of main new/significantly improved production/delivery method (Oth)

ecao12:

1. ECAo12. Purchase/license inventions required to apply new production/delivery method?

ecao14b:

1. ECAo14b. Introduction of management systems for general production or supply operations

ecao19:

1. ECAo19. Expenditures on R&D contracted with other companies in last fiscal yr (LCU)

ecao22a:

1. ECAo22a. % of workforce that regularly used PCs in their jobs at end last fiscal yr

ecao23cx:

1. ECAo23cx. Country or countries where the establishment applied for a patent or trademark

ecar15:

1. ECAr15. Reassignment/dismissal of under-performing non-manager over last fiscal yr

VARIABLE LABELS

obs: 16,566
vars: 395
size: 21,166,223
23 Aug 2017 09:59
(_dta has notes)

variable name	storage type	display format	value label	variable label
id	double	%20.0f		Respondent unique ID
qnrno	double	%20.0f	valllabel	QNRNO. QUESTIONNAIRE NUMBER
idstd	long	%14.0g	valllabel	WEB STD FIRMID
id2009	long	%12.0g		ID number in 2008-2009 round
a0	byte	%8.0g	A0	Questionnaire module
a1	int	%22.0g	country	Country code
country	str18	%18s		Country
a1a	byte	%8.0g	A1A	Interview language
a2	int	%9.0g		Sampling region
a2x	strL	%9s		a2x. Sampling region
a3a	int	%9.0g		Screeener region
a3ax	strL	%9s		a3ax. Screeener region
a3b	byte	%8.0g	A3B	Official capital city?
a3c	byte	%8.0g	A3C	Main business city?
a3	byte	%56.0g	A3	Size of locality
a4a	byte	%8.0g	A4A	Industry sampling sector
a4b	byte	%8.0g	A4B	Industry screeener sector
a5	byte	%8.0g	A5	Sector match between screeener information and sample frame
a6a	byte	%17.0g	sizelabels	Sampling size
a6b	byte	%8.0g	A6B	Screeener size
a7	byte	%8.0g	A7	Establishment part of a larger firm?
a7a	int	%14.0g	valllabel	Number of establishments that form the firm
a8	byte	%8.0g	A8	Type of establishment
a9	byte	%8.0g	A9	Establishment's financial statements prepared separately from HQ statements

a10	byte	%8.0g	A10	* Establishment's fin. statements prepared separately from other establishmen
a11	byte	%8.0g	A11	a11. If HQ, financial statements independent from the rest of the establishments
a11a	int	%14.0g	valllabel	Number of establishments included in the financial statements kept in HQ
a12	long	%14.0g	valllabel	Inteviewer number
a13	long	%14.0g	valllabel	aSupervisor number
a14d	byte	%10.0g		Time face-to-face main interview starts: Day
a14m	byte	%10.0g		Time face-to-face main interview starts: Month
a14y	int	%10.0g		Time face-to-face main interview starts: Year
a14h	byte	%10.0g		Time face-to-face main interview starts: Hour
a14min	byte	%10.0g		Time face-to-face main interview starts: Minutes
b1	byte	%8.0g	B1	Firm's current legal status
b1x	strL	%9s		Firm's current legal status (Other)
b3	byte	%8.0g	B3	% of this firm owned by the largest owner(s)
b2a	byte	%8.0g	B2A	% owned by private domestic individuals
b2b	byte	%8.0g	B2B	% owned by private foreign individuals
b2c	byte	%8.0g	B2C	% owned by Government/State
b2d	byte	%8.0g	B2D	% owned by Other
b4	byte	%8.0g	B4	Amongst the owners of the firm
b4a	byte	%8.0g	B4A	What percentage of the firm is owned by females?
ecaq5	byte	%8.0g	ECAQ5	How was the firm established?
ecaq5x	strL	%9s		How was the firm established (Other)
b5	int	%14.0g	valllabel	In what yr did this establishment begin operations?
b6	int	%14.0g	valllabel	Full-time employees employed by the establishment at the start of operations
b6a	byte	%8.0g	B6A	Establishment formally registered when it began operations?
b6b	int	%14.0g	valllabel	Year of formal registration of the establishment
b7	byte	%8.0g	B7	Top Manager's number of yrs of experience working in this sector

b7a	byte	%8.0g	B7A	Female Top Manager?
b8	byte	%8.0g	B8	Have an internationally-recognized quality certification?
c3	byte	%8.0g	C3	Submit application to obtain an electrical connection over last 2 yrs?
c4	int	%14.0g	valllabel	Number of days it took to obtain electrical connection
c5	byte	%8.0g	C5	Informal gift/ payment expected/requested to obtain electrical connection?
c6	byte	%8.0g	C6	Power outages over last fiscal yr?
c7	int	%8.0g	C7	c7. "Number of power outages over last fiscal yr
c8	int	%8.0g	C8	Average duration of power outages
c9a	byte	%8.0g	C9A	% of total annual sales lost due to power outages
c9b	long	%14.0g	valllabel	Annual losses due to power outages (LCU)
c10	byte	%8.0g	C10	Own or share a generator over last fiscal yr?
c11	byte	%8.0g	C11	% of establishment's electricity from generator(s) owned/shared
c12	byte	%8.0g	C12	Submit application to obtain a water connection over last 2 yrs?
c13	int	%14.0g	valllabel	Number of days it took to obtain water connection
c14	byte	%8.0g	C14	Informal gift/ payment expected/requested to obtain water connection?
c15	byte	%8.0g	C15	Insufficient water supply for production over last fiscal yr?
c16	int	%8.0g	C16	Insufficient water supply over last fiscal yr
c17	int	%8.0g	C17	Average duration of incidents of insufficient water supply
c22a	byte	%8.0g	C22A	Use e-mail to communicate with clients or suppliers?
c22b	byte	%8.0g	C22B	Have its own website?
c23	byte	%8.0g	C23	High-speed Internet connection on establishment's premises?
c28	byte	%8.0g	C28	* Does this establishment currently use cell phones for the operations of thi
c30a	byte	%8.0g	C30A	Electricity - obstacle to current operations

ecac31a1	byte	%8.0g	ECAC31A1	Change in total costs if electricity no longer an obstacle
ecac31a2	int	%8.0g	ECAC31A2	Expected % increase in total costs - electricity no obstacle
ecac31a3	float	%9.0g	ECAC31A3	Expected % decrease in total costs - electricity no obstacle
c30b	byte	%8.0g	C30B	Telecommunications - obstacle to current operations
d1a1x	strL	%9s		Establishment's main product/service last fiscal yr
d1a2	int	%14.0g	valllabel	The 4-digit ISIC code that best applies to the main product/service
d1a3	byte	%8.0g	D1A3	Share of main product/service in total sales
d2	double	%14.0g	valllabel	Total annual sales last fiscal yr (LCU)
d2x	strL	%9s		Total annual sales last fiscal yr (string)
n3	double	%14.0g	valllabel	Total annual sales 3 yrs ago (LCU)
d3a	byte	%8.0g	D3A	National sales as a % of total annual sales
d3b	byte	%8.0g	D3B	Indirect exports as a % of total annual sales
d3c	byte	%8.0g	D3C	Direct exports as a % of total annual sales
d4	int	%14.0g	valllabel	Average number of days to clear customs in last fiscal yr (direct export)
d6	byte	%8.0g	D6	% of value of products exported directly lost in transit - theft
d7	byte	%8.0g	D7	* % of value of products exported directly lost in transit - breakage/spoilage
d8	int	%14.0g	valllabel	Year of exporting directly or indirectly for the first time
d10	byte	%8.0g	D10	% of value of products for domestic markets lost in transit - theft
d11	byte	%8.0g	D11	* % of value of products for domestic markets lost in transit - breakage/spoi
ecaq15a	byte	%8.0g	ECAQ15A	% of national sales to government/government agencies
d12a	byte	%8.0g	D12A	* Domestic material inputs or supplies as a % of all material inputs or supp

d12b	byte	%8.0g	D12B	* Foreign material inputs or supplies as a % of all material inputs or suppl
d13	byte	%8.0g	D13	Direct import of material inputs or supplies purchased in last fiscal yr?
d14	int	%8.0g	D14	Average number of days to clear customs in last fiscal yr (direct import)
d16	int	%8.0g	D16	Average days of inventory of most important input
d17	int	%8.0g	D17	At the present time
d30a	byte	%8.0g	D30A	Transport - obstacle to current operations
d30b	byte	%8.0g	D30B	Customs and trade regulations - obstacle to current operations
ecad31b1	byte	%8.0g	ECAD31B1	* Change in total costs if customs and trade regulations are no longer a
ecad31b2	int	%8.0g	ECAD31B2	* Expected % increase in total costs - customs and trade regulations no
ecad31b3	byte	%8.0g	ECAD31B3	* Expected % decrease in total costs - customs and trade regulations no
e1	byte	%8.0g	E1	Main market for the main product/service in last fiscal yr
e2b	byte	%17.0g	e2b	Competitors for the main product/service in the main market
e6	byte	%8.0g	E6	* Technology licensed from a foreign-owned company
e11	byte	%8.0g	E11	Competition against unregistered or informal firms?
ecaq53	byte	%8.0g	ECAQ53	* National
e30	byte	%8.0g	E30	Practices of informal competitors - obstacle to current operations
h1	byte	%8.0g	H1	New products/services introduced over last 3 yrs
h2	byte	%8.0g	H2	New products/services new to one of the establishment's markets?
h3	byte	%8.0g	H3	New production/supply methods introduced over last 3 yrs
h4	byte	%8.0g	H4	* New organisational/management practices or structures introduced over last 3
h5	byte	%8.0g	H5	New marketing methods introduced over last 3 yrs
h6	byte	%8.0g	H6	h6. Spending on R&D over last 3 yrs
ecah4	byte	%8.0g	ECAH4	ecah4. New logistical or business support processes introduced over last 3 yrs
ecah8	byte	%8.0g	ECAH8	ecah8. Give employees time to develop or try out a

				new approach/idea about produ
f1	byte	%8.0g	F1	Capacity utilisation in last fiscal yr
f2	int	%8.0g	F2	Typical hours of operation in a week
g1a	byte	%8.0g	G1A	Land - % owned by this establishment
g1b	byte	%8.0g	G1B	Land - % rented or leased by this establishment
g1c	byte	%8.0g	G1C	Land - % Other
g2	byte	%8.0g	G2	Submit application to obtain a construction-related permit over last 2 yrs?
g3	int	%14.0g	valllabel	Number of days it took to obtain a construction-related permit
g4	byte	%8.0g	G4	* Informal gift/ payment expected/requested to obtain construction-related per
g5a	long	%14.0g	valllabel	What is the total selling area of this establishment? - Area
g5b	byte	%8.0g	G5B	What is the total selling area of this establishment? - Units
g5bx	str10	%10s		Other
g6a	byte	%8.0g	G6A	Buildings occupied - % owned by this establishment
g6b	byte	%8.0g	G6B	Buildings occupied - % rented or leased by this establishment
g6c	byte	%8.0g	G6C	Buildings occupied - % Other
g30a	byte	%8.0g	G30A	Access to land - obstacle to current operations
i1	byte	%8.0g	I1	Pay for security in last fiscal yr?
i2a	byte	%8.0g	I2A	% of total annual sales for security
i2b	long	%14.0g	valllabel	Total annual cost of security (LCU)
i3	byte	%8.0g	I3	Losses as a result of theft
i4a	byte	%8.0g	I4A	Losses due to theft
i4b	long	%14.0g	valllabel	Total annual value of losses due to theft
i30	byte	%8.0g	I30	Crime
ecai31a1	byte	%8.0g	ECAI31A1	Change in total costs if crime
ecai31a2	byte	%8.0g	ECAI31A2	Expected % increase in total costs - crime
ecai31a3	byte	%8.0g	ECAI31A3	Expected % decrease in total costs - crime
k1c	byte	%8.0g	K1C	* Paid after delivery - % of total annual purchases of material inputs/serv

k2c	byte	%8.0g	K2C	Paid after delivery - % of total annual sales of goods and services
k3a	byte	%8.0g	K3A	Working capital - % Internal funds/Retained earnings
k3bc	byte	%8.0g	K3BC	Working capital - % Borrowed from banks (private and state-owned)
k3e	byte	%8.0g	K3E	Working capital - % Borrowed from non-bank financial institutions
k3f	byte	%8.0g	K3F	Working capital - % Purchases on credit from suppliers
k3hd	byte	%8.0g	K3HD	Working capital - % Other
k4	byte	%8.0g	K4	Purchase of fixed assets in last fiscal yr?
n5a	double	%14.0g	valllabel	n5a. Spending on purchases of machinery, vehicles and equipment in last fiscal y
n5b	double	%14.0g	valllabel	n5b. Spending on purchases of land and buildings in last fiscal yr (LCU)
k5a	byte	%8.0g	K5A	Fixed assets - % Internal funds or retained earnings
k5i	byte	%8.0g	K5I	Fixed assets - % Owners' contribution or issued new equity shares
k5bc	byte	%8.0g	K5BC	Fixed assets - % Borrowed from banks: private and state-owned
k5e	byte	%8.0g	K5E	Fixed assets - % Borrowed from non-bank financial institutions
k5f	byte	%8.0g	K5F	Fixed assets - % Purchases on credit from suppliers
k5hdj	byte	%8.0g	K5HDJ	Fixed assets - % Other
ecak4a	byte	%8.0g	ECAK4A	Leasing of fixed assets in last fiscal yr?
k6	byte	%8.0g	K6	k6. Have a checking or savings account at time of the interview?
k7	byte	%8.0g	K7	k7. Have an overdraft facility at time of the interview?
k8	byte	%8.0g	K8	k8. Have a line of credit or a loan from a financial institution at time of the
k9	byte	%8.0g	K9	* Type of financial institution that granted the most recent line of credit/lo
ecak9a	byte	%8.0g	ECAK9A	Bank that provided the most recent line of credit/loan

k10	int	%14.0g	valllabel	Year of approval of the most recent line of credit/loan
k11	double	%14.0g	valllabel	Value of the most recent line of credit/loan at the time of approval (LCU)
ecaq46f	byte	%8.0g	ECAQ46F	Currency of the most recent line of credit/loan
ecaq46fx	strL	%9s		Currency of the most recent line of credit/loan (Other)
ecaq46d	double	%12.0g	ECAQ46D	Annual nominal interest rate of the most recent line of credit/loan
ecaq46e	int	%8.0g	ECAQ46E	Original duration of the most recent line of credit/loan in months
k13	byte	%8.0g	K13	Collateral required for the most recent line of credit/loan?
k14a	byte	%8.0g	K14A	Collateral - Land
k14b	byte	%8.0g	K14B	Collateral - Machinery and equipment including movables
k14c	byte	%8.0g	K14C	Collateral - Accounts receivable and inventories
k14d	byte	%8.0g	K14D	Collateral - Personal assets of owner (house
k14e	byte	%8.0g	K14E	* Collateral - Other forms of collateral not included in the categories above
k15a	double	%14.0g	valllabel	* Approx. collateral value required for the most recent line of credit/loan
ecak15a1	double	%14.0g	valllabel	Outstanding balance on the most recent line of credit/loan (LCU)
k15b	int	%8.0g	K15B	* Total number of outstanding loans/lines of credit held by this establishme
k15c	double	%14.0g	valllabel	* Total value of outstanding loans/lines of credit held by this establishmen
k15d	byte	%8.0g	K15D	* Outstanding personal loans used to finance establishment's business activi
k16	byte	%8.0g	K16	Apply for any loans/lines of credit in last fiscal yr?
ecak17	byte	%8.0g	ECAK17	* Main reason for not applying for line of

k20a	byte	%8.0g	K20A	credit/loan Outcome of the most recent application for line of credit/loan
k21	byte	%8.0g	K21	Annual financial statements checked and certified by an external auditor?
k30	byte	%8.0g	K30	Access to finance - obstacle to current operations
ecaq31e	byte	%8.0g	ECAQ31E	Plaintiff or defendant in court in the last 3 yrs?
h7a	byte	%8.0g	H7A	H7a. The court system is fair, impartial and uncorrupted
ecaj1b	byte	%8.0g	ECAJ1B	The court system is quick
ecaj1c	byte	%8.0g	ECAJ1C	The court system is able to enforce its decisions
j2	byte	%8.0g	J2	% Senior management's time spent on dealing with regulations
j3	byte	%8.0g	J3	Visited or inspected by tax officials over last yr?
j4	int	%8.0g	J4	Number of inspections by/required meetings with tax officials over last yr
j5	byte	%8.0g	J5	Informal gift/payment expected/requested in meetings/tax inspections?
j6a	byte	%8.0g	J6A	Secured or attempted to secure a government contract over last yr?
j6	byte	%8.0g	J6	% of contract value typically paid to secure a government contract
j7a	byte	%8.0g	J7A	% of total annual sales paid as informal payment/gift
j7b	double	%14.0g	valllabel	Total annual informal payment (LCU)
j10	byte	%8.0g	J10	Submit application to obtain an import license over last 2 yrs?
j11	int	%8.0g	J11	Number of days it took to obtain import license
j12	byte	%8.0g	J12	Informal gift/ payment expected/requested to obtain import license?
j13	byte	%8.0g	J13	Submit application to obtain an operating license over last 2 yrs?
j14	int	%8.0g	J14	Number of days it took to obtain operating license
j15	byte	%8.0g	J15	Informal gift/ payment expected/requested to obtain operating license?
j30a	byte	%8.0g	J30A	Tax rates - obstacle to current operations
j30b	byte	%8.0g	J30B	Tax administration - obstacle to current operations

ecaj31b1	byte	%8.0g	ECAJ31B1	Change in total costs if tax administration no longer an obstacle
ecaj31b2	int	%8.0g	ECAJ31B2	Expected % increase in total costs - tax administration no obstacle
ecaj31b3	byte	%8.0g	ECAJ31B3	Expected % decrease in total costs - tax administration no obstacle
j30c	byte	%8.0g	J30C	Business licensing and permits - obstacle to current operations
ecaj31c1	byte	%8.0g	ECAJ31C1 *	Change in total costs if business licensing and permits no longer an obstacle
ecaj31c2	int	%8.0g	ECAJ31C2 *	Expected % increase in total costs - business licensing and permits no
ecaj31c3	int	%8.0g	ECAJ31C3 *	Expected % decrease in total costs - business licensing and permits no
j30e	byte	%8.0g	J30E	Political instability - obstacle to current operations
j30f	byte	%8.0g	J30F	Corruption - obstacle to current operations
ecaj31f1	byte	%8.0g	ECAJ31F1	Change in total costs if corruption no longer an obstacle
ecaj31f2	int	%8.0g	ECAJ31F2	Expected % increase in total costs - corruption no obstacle
ecaj31f3	byte	%8.0g	ECAJ31F3	Expected % decrease in total costs - corruption no obstacle
h30	byte	%8.0g	H30	Courts - obstacle to current operations
ecah31a1	byte	%8.0g	ECAH31A1	Change in total costs if courts no longer an obstacle
ecah31a2	int	%8.0g	ECAH31A2	Expected % increase in total costs - courts no obstacle
ecah31a3	byte	%8.0g	ECAH31A3	Expected % decrease in total costs - courts no obstacle
ecaq39	byte	%8.0g	ECAQ39	Frequency of informal payments/gifts to get things done
ecaq41a	byte	%8.0g	ECAQ41A	Frequency of unofficial payments/gifts to deal with customs/imports
ecaq41b	byte	%8.0g	ECAQ41B	Frequency of unofficial payments/gifts to deal with courts
ecaq41c	byte	%8.0g	ECAQ41C *	Frequency of unofficial payments/gifts to deal with taxes and tax colle

ecaq44a	byte	%8.0g	ECAQ44A	* Private payments/gifts/other benefits to Parliamentarians - direct impa
ecaq44b	byte	%8.0g	ECAQ44B	* Private payments/gifts/other benefits to Government officials - direct
ecaq44c	byte	%8.0g	ECAQ44C	* Private payments/gifts/other benefits to local/regional officials -dire
ecar16a	int	%8.0g	ECAR16A	Number of times an external consultant hired in last 3 fiscal yrs
ecar17a	byte	%8.0g	ECAR17A	ecar17a. Used consulting for business skills improvements
ecar17b	byte	%8.0g	ECAR17B	ecar17b. Used consulting for business process improvements
ecar17c	byte	%8.0g	ECAR17C	ecar17c. Used consulting for more sophisticated projects
ecar18	byte	%8.0g	ECAR18	Any external consultants hired from local consulting firms?
ecar20	byte	%8.0g	ECAR20	Main reason the establishment did not hire an external consultant
ecar20x	strL	%9s		* Main reason the establishment did not hire an external consultant (Other
11	int	%14.0g	valllabel	* 11. Number of permanent, full-time individuals working at the end of last fiscal
12	int	%14.0g	valllabel	12. Number of permanent, full-time individuals working 3 fiscal yrs ago
13a	int	%14.0g	valllabel	13a. Number of permanent, full-time individuals who are production workers
13b	int	%14.0g	valllabel	13b. Number of permanent, full-time individuals who are non-production workers
14a	int	%14.0g	valllabel	* 14a. Number of permanent, full-time individuals who are skilled production worke
14b	int	%14.0g	valllabel	* 14b. Number of permanent, full-time individuals who are unskilled production wor

15	int	%14.0g	valllabel	* Number of permanent, full-time individuals working at the end of last fiscal yea
15a	int	%14.0g	valllabel	15a. Female permanent full-time production workers at the end of last fiscal yea
15b	int	%14.0g	valllabel	* 15b. Female permanent full-time non-production workers at the end of last fiscal
16	int	%14.0g	valllabel	16. Number of temporary full-time workers employed at the end of last fiscal yea
16a	int	%14.0g	valllabel	* 16a. Number of female temporary full-time workers employed at the end of last fi
18	byte	%8.0g	L8	* 18. Average length of employment of full-time temporary employees in last fiscal
19a1	byte	%8.0g	L9A1	19a1. Average number of yrs of education of typical permanent production worker
19a2	byte	%8.0g	L9A2	19a2. Average number of yrs of education of typical female permanent production
ecaq69	byte	%8.0g	ECAQ69	% of full time employees who completed a university degree
l10	byte	%8.0g	L10	* Formal training programs for permanent
l11a	byte	%8.0g	L11A	* % of production full-time permanent employees that received formal trainin
l11b	byte	%8.0g	L11B	* % of non-production full-time permanent employees that received formal tra
l30a	byte	%8.0g	L30A	Labor regulations - obstacle to current operations
ecal31a1	byte	%8.0g	ECAL31A1	Change in total costs if labor regulations no longer an obstacle
ecal31a2	byte	%8.0g	ECAL31A2	Expected % increase in total costs - labor regulations no obstacle
ecal31a3	byte	%8.0g	ECAL31A3	Expected % decrease in total costs - labor regulations no obstacle
l30b	byte	%8.0g	L30B	Inadequately educated workforce - obstacle to current operations
ecal31b1	byte	%8.0g	ECAL31B1	* Change in total sales if inadequately educated

				workforce no longer an obstacle
ecal31b2	int	%8.0g	ECAL31B2 *	Expected % increase in total sales - inadequately educated workforce no
ecal31b3	byte	%8.0g	ECAL31B3 *	Expected % decrease in total sales - inadequately educated workforce no
m1a	byte	%8.0g	M1A	Business environment - biggest obstacle faced
m1d	byte	%8.0g	M1D	Card rotation number (pre-defined)
n2a	double	%14.0g	valllabel	Total cost of labor (LCU)
n2e	double	%14.0g	valllabel	Total cost of raw materials and intermediate goods used in production (LCU)
n2f	double	%14.0g	valllabel	Total costs of fuel (LCU)
n2b	double	%14.0g	valllabel	Total costs of electricity (LCU)
n2i	double	%14.0g	valllabel	Total annual cost of finished goods and materials purchased to resell
n2ra	double	%14.0g	valllabel	Total rental cost of machinery
n2rb	double	%14.0g	valllabel	Total rental cost of land and buildings
n2j	double	%14.0g	valllabel	Other cost of production not included above
n6a	double	%14.0g	valllabel	Net book value of machinery
n6b	double	%14.0g	valllabel	Net book value of land and buildings (LCU)
n7a	double	%14.0g	valllabel	Replacement cost for machinery
n7b	double	%14.0g	valllabel	Replacement cost for land and buildings (LCU)
ecas1a	byte	%8.0g	ECAS1A	Expectations about annual sales in next fiscal yr
ecas1b	int	%8.0g	ECAS1B	% of expected increase in annual sales in the next fiscal yr
ecas1c	byte	%8.0g	ECAS1C	% of expected decrease in annual sales in the next fiscal yr

vin1a	byte	%8.0g	VIN1A	Perception of corruption - Town no. 1
vin1b	byte	%8.0g	VIN1B	Perception of corruption - Town no. 2
vin1c	byte	%8.0g	VIN1C	Perception of corruption - Town no. 3
vin1d	byte	%8.0g	VIN1D	Perception of corruption - Town no. 4
vin1e	byte	%8.0g	VIN1E	Perception of corruption - Town no. 5
a15alax	strL	%9s		a15alax. Main respondent's position in the firm
a15a2a	byte	%8.0g	A15A2A	Main respondent's yrs with the firm
ecaa15a4a	byte	%8.0g	ECAA15A4	Main respondent's yrs in the position
a15a3a	byte	%8.0g	A15A3A	Main respondent's gender
a15albx	str44	%44s		a15albx. Second respondent's position in the firm
a15a2b	byte	%8.0g	A15A2B	Second respondent's yrs with the firm
ecaa15a4b	byte	%8.0g	V294_A	Second respondent's yrs in the position
a15a3b	byte	%8.0g	A15A3B	Second respondent's gender
a15alcx	str47	%47s		a15alcx. Third respondent's position in the firm
a15a2c	byte	%8.0g	A15A2C	Third respondent's yrs with the firm
ecaa15a4c	byte	%8.0g	V298_A	Third respondent's yrs in the position
a15a3c	byte	%8.0g	A15A3C	Third respondent's gender
a15d	byte	%10.0g		Time face-to-face main interview ends: Day
a15m	byte	%10.0g		Time face-to-face main interview ends: Month
a15y	int	%10.0g		Time face-to-face main interview ends: Year
a15h	byte	%10.0g		Time face-to-face main interview ends: Hour
a15min	byte	%10.0g		Time face-to-face main interview ends: Minutes
a16	byte	%8.0g	A16	Truthfulness of responses to questions regarding opinions and perceptions
a17	byte	%8.0g	A17	Accuracy of responses to questions regarding figures
a18	byte	%8.0g	A18	Questionnaire completion information
a19h	byte	%8.0g	A19H	Estimate duration of the whole interview: Hours
a19m	byte	%8.0g	A19M	Estimated duration of the whole interview: Minutes
a23	byte	%8.0g	A23	Mode of questionnaire implementation
a23x	strL	%9s		Mode of questionnaire implementation (Other)
a14id	byte	%10.0g		Time face-to-face innovation module interview starts: Day
a14im	byte	%10.0g		Time face-to-face innovation module interview starts: Month
a14iy	int	%10.0g		Time face-to-face innovation module interview starts: Year
a14ih	byte	%10.0g		Time face-to-face innovation module interview

a14imin	byte	%10.0g		starts: Hour Time face-to-face innovation module interview
eca01a	byte	%8.0g	ECA01A	* starts: Minutes No. of new/significantly improved products/services introduced over last
eca01bx	strL	%9s		Main new/significantly improved product/service
eca02a	byte	%8.0g	ECA02A	Main new /significantly improved product/service new to local market
eca02b	byte	%8.0g	ECA02B	Main new /significantly improved product/service new to national market
eca02c	byte	%8.0g	ECA02C	* Main new /significantly improved product/service new to international ma
eca03a	byte	%8.0g	ECA03A	New product/service: Added new functions to existing product/service
eca03b	byte	%8.0g	ECA03B	New product: Uses new materials/components that enhance its performance
eca03c	byte	%8.0g	ECA03C	New product: Uses new technology
eca03d	byte	%8.0g	ECA03D	New product: Looks different from the existing product
eca03e	byte	%8.0g	ECA03E	New product/service: Completely new to the establishment
eca03g	byte	%8.0g	ECA03G	* New product/service is more efficient/easier to use than existing produc
eca03f	byte	%8.0g	ECA03F	New product/service: Other
eca03fx	strL	%9s		New product/service: Other specified
eca04	byte	%8.0g	ECA04	* % annual sales accounted for by new or significantly improved products/se
eca05	byte	%8.0g	ECA05	Way in which main new/significantly improved product/service introduced
eca05x	strL	%9s		* Way in which main new/significantly improved product/service introduced
eca06	byte	%8.0g	ECA06	Purchase/license inventions
eca07a	byte	%8.0g	ECA07A	Introduced new methods of supplying products/services over last 3 yrs
eca07b	byte	%8.0g	ECA07B	Introduced new logistics
eca07c	byte	%8.0g	ECA07C	Introduced new ancillary support services over last 3 yrs
eca08x	strL	%9s		* Most important new/significantly improved method of

eca09a	byte	%8.0g	ECA09A	supplying products/s New method of supplying products/services new to local market
eca09b	byte	%8.0g	ECA09B	New method of supplying products/services new to national market
eca09c	byte	%8.0g	ECA09C	New method of supplying products/services new to international market
eca010a	byte	%8.0g	ECA010A	New method of supplying products/services: change in techniques
eca010b	byte	%8.0g	ECA010B	* New method of supplying products/services: change in machinery and equi
eca010c	byte	%8.0g	ECA010C	New method of supplying products/services: change in software
eca010d	byte	%8.0g	ECA010D	New method of supplying products/services: changes in management
eca011	byte	%8.0g	ECA011	* Way of intro of main new/significantly improved production/delivery meth
eca011x	strL	%9s		* Way of intro of main new/significantly improved production/delivery met
eca012	byte	%8.0g	ECA012	* Purchase/license inventions
eca013	byte	%8.0g	ECA013	Technology compared to the technology of establishment's main competitor
eca014a	byte	%14.0g	ECA014A	New knowledge management systems
eca014b	byte	%14.0g	ECA014B	* Introduction of management systems for general production or supply ope
eca014c	byte	%14.0g	ECA014C	New methods for distributing responsibilities
eca014d	byte	%14.0g	ECA014D	Significant change to the management structure of the establishment
eca014e	byte	%14.0g	ECA014E	New types of collaborations with businesses
eca014f	byte	%14.0g	ECA014F	Outsourcing
eca015a	byte	%14.0g	ECA015A	Significant changes in the product's appearance
eca015b	byte	%14.0g	ECA015B	Introduction of a new method of advertising or product promotion
eca015c	byte	%14.0g	ECA015C	Introduction of a new method of product placement or sales channels
eca015d	byte	%14.0g	ECA015D	New pricing strategies to market the establishment's goods or services
eca016	byte	%8.0g	ECA016	Spending on R&D within establishment over last 3

ecao17	double	%14.0g	valllabel	yrs? Expenditures on R&D within establishment in last fiscal yr (LCU)
ecao18	byte	%8.0g	ECAO18	Spending on R&D contracted with other companies over last 3 yrs?
ecao19	long	%14.0g	valllabel	* Expenditures on R&D contracted with other companies in last fiscal yr (L
ecao20	byte	%8.0g	ECAO20	Spending on acquisition of external knowledge over last 3 yrs?
ecao21	byte	%8.0g	ECAO21	Source of purchase or license of the latest invention
ecao22a	byte	%8.0g	ECAO22A	* % of workforce that regularly used PCs in their jobs at end last fiscal
ecao22b	byte	%8.0g	ECAO22B	% of workforce that regularly used PCs in their jobs 3 fiscal yrs ago
ecao23a	byte	%8.0g	ECAO23A	Ever been granted a patent?
ecao23b	byte	%8.0g	ECAO23B	Apply for a patent/trademark over last 3 yrs?
ecao23cx	strL	%9s		* ECAo23cx. Country or countries where the establishment applied for a patent or t
ecao23d	byte	%8.0g	ECAO23D	Granted a patent/trademark over last 3yrs?
ecar1	byte	%8.0g	ECAR1	Dealing with problems in the production process over last fiscal yr
ecar2	byte	%44.0g	ECAR2	Number of production performance indicators monitored over last fiscal yr
ecar6	byte	%68.0g	ECAR6	Time frame of production targets over last fiscal yr
ecar7	byte	%50.0g	ECAR7	Achievement of production targets over last fiscal yr
ecar8	byte	%41.0g	ECAR8	Awareness of production targets over last fiscal yr
ecar11	byte	%8.0g	ECAR11	Basis for managers' performance bonuses over last fiscal yr
ecar13	byte	%8.0g	ECAR13	Primary way of promoting non-managers over last fiscal yr
ecar15	byte	%8.0g	ECAR15	* Reassignment/dismissal of under-performing non-manager over last fiscal
a15id	byte	%10.0g		Time face-to-face innovation module interview ends: Day

a15im	byte	%10.0g		Time face-to-face innovation module interview ends: Month
a15iy	int	%10.0g		Time face-to-face innovation module interview ends: Year
a15ih	byte	%10.0g		Time face-to-face innovation module interview ends: Hour
a15imin	byte	%10.0g		Time face-to-face innovation module interview ends: Minutes
a24	byte	%8.0g	A24	Innovation module respondent same as main questionnaire respondent?
a15a1dx	str35	%35s		Innovation module respondent's position in the firm
a15a2d	byte	%8.0g		Innovation module respondent's yrs with the firm
ecaa15a4d	byte	%8.0g		Innovation module respondent's yrs in the position
a15a3d	byte	%8.0g	A15A3D	Innovation module respondent's gender
strata	int	%14.0g	valllabel	group(a2 a4anew a6a panel)
wstrict	double	%14.0g	valllabel	Weight according to strict eligibility
wmedian	double	%14.0g	valllabel	Weight according to median eligibility
wweak	double	%14.0g	valllabel	Weight according to weak eligibility
innov_elig	byte	%39.0g	innov_elig	Source of eligibility for the innovation module
alax	str11	%11s		Language of the interview
fy	int	%9.0g		Year used for last fiscal year
fy_n3	int	%9.0g		Year used for 3 fiscal years ago for variable n3
lcu	str46	%46s		Local currency used for monetary value questions

* indicated variables have notes

VALUE LABELS

A3:

- 1 Capital city
- 2 City with population over 1 million - other than capital
- 3 Population: over 250000 to 1 million
- 4 Population: 50000-250000
- 5 Population: less than 50000

AGENCY:

- 1 Ipsos Tambor
- 2 Median
- 3 DataCollect
- 4 acrc
- 5 Ipsos Turkey
- 6 Yontem
- 7 CMRC Cypronetwork
- 8 Lipa Consultancy

ECAT11A:

- 8 Refused
- 1 Yes
- 2 No

ECAR8:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Only senior managers
- 2 Most managers and some production workers
- 3 Most managers and most production workers
- 4 All managers and most production workers

ECAR7:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Possible to achieve without much effort
- 2 Possible to achieve with some effort
- 3 Possible to achieve with normal amount of effort
- 4 Possible to achieve with more than normal effort
- 5 Only possible to achieve with extraordinary effort

ECAR6:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Main focus was on short-term (less than one year) production targets
- 2 Main focus was on long-term (more than one year) production targets
- 3 Combination of short term and long term production targets
- 4 No production targets

ECAR2:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 1-2 production performance indicators
- 2 3-9 production performance indicators
- 3 10 or more production performance indicators
- 4 No production performance indicators

ECAO15D:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO15C:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO15B:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO15A:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO14F:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO14E:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO14D:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO14C:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO14B:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

ECAO14A:

- 9 Don't know
- 8 Refused
- 7 Does not apply
- 1 Yes
- 2 No

country:

- 44 Albania
- 50 Belarus
- 51 Georgia
- 52 Tajikistan
- 53 Turkey
- 54 Ukraine
- 55 Uzbekistan

58 Russia
59 Poland
60 Romania
61 Serbia
62 Kazakhstan
63 Moldova
64 Bosnia and Herzegovina
65 Azerbaijan
66 FYR Macedonia
67 Armenia
68 Kyrgyz Republic
69 Mongolia
70 Estonia
71 Kosovo
72 Czech Republic
73 Hungary
74 Latvia
75 Lithuania
76 Slovak Republic
77 Slovenia
78 Bulgaria
79 Croatia
80 Montenegro
196 Cyprus
300 Greece

POSLON:

1 East

POSLAT:

1 North

V386_A:

-8 Refused

A15A2D:

-8 Refused

V296_A:

-8 Refused

-7 does not apply code

V292_A:

-8 Refused

L6A: -7 does not apply code
 -9 Don't know
 -8 Refused
 L6: -9 Don't know
 -8 Refused
 0 NO FULL-TIME SEASONAL OR TEMPORARY WORKERS
 L5: -9 Don't know
 -8 Refused
 L5B: -9 Don't know
 -8 Refused
 L5A: -9 Don't know
 -8 Refused
 L4B: -9 Don't know
 -8 Refused
 L4A: -9 Don't know
 -8 Refused
 L3B: -9 Don't know
 -8 Refused
 L3A: -9 Don't know
 -8 Refused
 L2: -9 Don't know
 -8 Refused
 -7 THE ESTABLISHMENT WAS NOT IN BUSINESS THREE YEARS AGO
 L1: -9 Don't know
 -8 Refused
 K10: -9 Don't know

G5A: -8 Refused
-9 Don't know
-8 Refused

G3: -9 Don't know
-8 Refused
-6 STILL IN PROCESS (SPONTANEOUS)
-5 APPLICATION DENIED (SPONTANEOUS)
1 LESS THAN ONE DAY

E2B: -8 Refused
-4 TOO MANY TO COUNT

D8: -9 Don't know
-8 Refused

D4: -9 Don't know
-8 Refused
-7 DOES NOT APPLY

C13: -9 Don't know
-8 Refused
-6 Still in process (spontaneous)
-5 Application Denied (spontaneous)
1 LESS THAN ONE DAY

C4: -9 Don't know
-8 Refused
-6 Still in process (spontaneous)
-5 Application Denied (spontaneous)
1 LESS THAN ONE DAY

B6B: -9 Don't know
-8 Refused

B6: -9 Don't know
-8 Refused

B5:
 -9 Don't know
 -8 Refused

A11A:
 -8 Refused
 -7 DOES NOT APPLY

A6A:
 0 Micro<5
 1 Small >=5 and <=19
 2 Medium >=20 and <=99
 3 Large >=100

dow:
 0 Sunday
 1 Monday
 2 Tuesday
 3 Wednesday
 4 Thursday
 5 Friday
 6 Saturday

COMPLETI:
 1 CAPI
 2 PAPI

innov_elig:
 -8 Refusal
 0 Not eligible
 1 Section H and sector & size
 2 Section H only
 3 Sector & size only
 4 Eligible, but not completed
 5 Not eligible, but some answers provided

sizelabels:
 0 Micro (1 to 5)
 1 Small (5 to 19)
 2 Medium (20 to 99)
 3 Large (100+)

A0:
 1 Manufacturing
 2 Retail

A1A: 3 Core
1 Local language
2 Russian

A3B: 1 Yes
2 No

A3C: 1 Yes
2 No

A4A: 15 Food
16 Tobacco products
17 Textiles
18 Garments
19 Tanning & leather
20 Wood
21 Paper & paper products
22 Publishing_ printing and recorded media
23 Coke & refined petroleum
24 Chemicals
25 Plastics & rubber
26 Non metallic mineral products
27 Basic metals
28 Fabricated metal products
29 Machinery and equipment
30 Office machinery
31 Electronics
32 Communication equipment
33 Precision instruments
34 Motor vehicles
35 Other transport equipment
36 Furniture
37 Recycling
45 Construction
50 Services of motor vehicles
51 Wholesale
52 Retail

55 Hotel and restaurants
60 Transport
63 Supporting transport activities
64 Post and telecommunications
72 IT

A4B:

15 Food
16 Tobacco products
17 Textiles
18 Garments
19 Tanning & leather
20 Wood
21 Paper & paper products
22 Publishing_ printing and recorded media
23 Coke & refined petroleum
24 Chemicals
25 Plastics & rubber
26 Non metallic mineral products
27 Basic metals
28 Fabricated metal products
29 Machinery and equipment
30 Office machinery
31 Electronics
32 Communication equipment
33 Precision instruments
34 Motor vehicles
35 Other transport equipment
36 Furniture
37 Recycling
45 Construction
50 Services of motor vehicles
51 Wholesale
52 Retail
55 Hotel and restaurants
60 Transport
63 Supporting transport activities
64 Post and telecommunications
72 IT

A5:
 1 Yes_ screener and sample frame info match
 2 No_ screener and sample frame do not match but establishment still does activities wh
 > ich match sample frame
 3 No_ does not match

A6B:
 0 Micro<5
 1 Small >=5 and <=19
 2 Medium >=20 and <=99
 3 Large >=100

A7:
 1 Yes
 2 No_ a firm on its own

A8:
 -7 DOES NOT APPLY
 1 HQ without production and/or sales in this location
 2 HQ with production and/or sales in this location
 3 Establishment physically separated from HQ and other establishments of the same firm
 4 Establishment physically separated from HQ but with other establishments of the same
 > firm

A9:
 -7 DOES NOT APPLY
 1 Yes
 2 No

A10:
 -7 DOES NOT APPLY
 1 Yes
 2 No

A11:
 -7 DOES NOT APPLY
 1 Yes
 2 No

B1:
 -9 Don't know
 -8 Refused
 1 Shareholding company with shares traded in the stock market
 2 Shareholding company with non-traded shares or shares traded privately
 3 Sole proprietorship

4 Partnership
 5 Limited partnership
 6 Other_ SPONTANEOUS - please specify

B3:

-9 Don't know
 -8 Refused

B2A:

-9 Don't know
 -8 Refused

B2B:

-9 Don't know
 -8 Refused

B2C:

-9 Don't know
 -8 Refused

B2D:

-9 Don't know
 -8 Refused

B4:

-9 Don't know
 -8 Refused
 1 Yes
 2 No

B4A:

-9 Don't know
 -8 Refused

ECAQ5:

-8 Refused
 1 Privatization of a state-owned firm
 2 Originally private_ from time of start up
 3 Private subsidiary of a formerly state-owned firm
 4 Joint venture with foreign partner(s)
 5 State-owned firm
 6 Other_ SPONTANEOUS - please specify

B6A:

-9 Don't know
 -8 Refused
 1 Yes

2 No
B7:
9998 Less than one year
B7A:
-9 Don't know
-8 Refused
1 Yes
2 No
B8:
-9 Don't know
-8 Refused
-6 STILL IN PROCESS
1 Yes
2 No
C3:
-9 Don't know
-8 Refused
1 Yes
2 No
C5:
-9 Don't know
-8 Refused
1 Yes
2 No
C6:
-9 Don't know
-8 Refused
1 Yes
2 No
C7:
-9 Don't know
-8 Refused
C8:
-9 Don't know
-8 Refused
C9A:
-9 Don't know
-8 Refused

C10:
-9 Don't know
-8 Refused
1 Yes
2 No

C11:
-9 Don't know
-8 Refused

C12:
-9 Don't know
-8 Refused
1 Yes
2 No

C14:
-9 Don't know
-8 Refused
1 Yes
2 No

C15:
-9 Don't know
-8 Refused
-7 The establishment does not use water for production
1 Yes
2 No

C16:
-9 Don't know
-8 Refused

C17:
-9 Don't know
-8 Refused

C22A:
-9 Don't know
-8 Refused
1 Yes
2 No

C22B:
-9 Don't know
-8 Refused

1 Yes
 2 No
 C23:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 C28:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 C30A:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 ECAC31A1:
 -9 Don't know
 -8 Refused
 1 Increase
 2 Remain the same
 3 Decrease
 ECAC31A2:
 -9 Don't know
 -8 Refused
 ECAC31A3:
 -9 Don't know
 -8 Refused
 C30B:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle

1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle

D1A3:

-9 Don't know
 -8 Refused

D3A:

-9 Don't know
 -8 Refused

D3B:

-9 Don't know
 -8 Refused

D3C:

-9 Don't know
 -8 Refused

D6:

-9 Don't know
 -8 Refused
 -7 DOES NOT APPLY

D7:

-9 Don't know
 -8 Refused
 -7 DOES NOT APPLY

D10:

-9 Don't know
 -8 Refused
 -7 NO INTERNAL SHIPMENTS MADE (DOES NOT APPLY)

D11:

-9 Don't know
 -8 Refused
 -7 NO INTERNAL SHIPMENTS MADE (DOES NOT APPLY)

ECAQ15A:

-9 Don't know
 -8 Refused
 -7 DOES NOT APPLY (FOR COMPANIES THAT DO NOT DO NOT HAVE DOMESTIC SALES)

D12A:

-9 Don't know

D12B: -8 Refused
 -9 Don't know
 -8 Refused
 D13:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 D14:
 -9 Don't know
 -8 Refused
 D16:
 -9 Don't know
 -8 Refused
 D17:
 -9 Don't know
 -8 Refused
 D30A:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 D30B:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 ECAD31B1:
 -9 Don't know

-8 Refused
 1 Increase
 2 Remain the same
 3 Decrease

ECAD31B2:

-9 Don't know
 -8 Refused

ECAD31B3:

-9 Don't know
 -8 Refused

E1:

-9 Don't know
 -8 Refused
 1 Local - main product sold mostly in same municipality where establishment is located
 2 National - main product sold mostly across the country where establishment is located
 3 International - main product sold mostly to nations outside country where establishment

> nt is located

E6:

-9 Don't know
 -8 Refused
 1 Yes
 2 No

E11:

-9 Don't know
 -8 Refused
 1 Yes
 2 No

ECAQ53:

-9 Don't know
 -8 Refused
 1 Yes
 2 No

E30:

-9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle

2 Moderate obstacle
3 Major obstacle
4 Very severe obstacle

H1:
-9 Don't know
-8 Refused
1 Yes
2 No

H2:
-9 Don't know
-8 Refused
1 Yes
2 No

H3:
-9 Don't know
-8 Refused
1 Yes
2 No

H4:
-9 Don't know
-8 Refused
1 Yes
2 No

H5:
-9 Don't know
-8 Refused
1 Yes
2 No

H6:
-9 Don't know
-8 Refused
1 Yes
2 No

ECAH4:
-9 Don't know
-8 Refused
1 Yes
2 No

ECAH8:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No

F1:
 -9 Don't know
 -8 Refused

F2:
 -9 Don't know
 -8 Refused

G1A:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY

G1B:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY

G1C:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY

G2:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No

G4:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No

G5B:
 -8 Refused
 1 Square Feet
 2 Square Yards
 3 Square Meters

4 Other_ please specify
 G6A: -9 Don't know
 -8 Refused
 G6B: -9 Don't know
 -8 Refused
 G6C: -9 Don't know
 -8 Refused
 G30A: -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 I1: -9 Don't know
 -8 Refused
 1 Yes
 2 No
 I2A: -9 Don't know
 -8 Refused
 I3: -9 Don't know
 -8 Refused
 1 Yes
 2 No
 I4A: -9 Don't know
 -8 Refused
 I30: -9 Don't know
 -8 Refused

- 7 DOES NOT APPLY
- 0 No obstacle
- 1 Minor obstacle
- 2 Moderate obstacle
- 3 Major obstacle
- 4 Very severe obstacle

ECAI31A1:

- 9 Don't know
- 8 Refused
- 1 Increase
- 2 Remain the same
- 3 Decrease

ECAI31A2:

- 9 Don't know
- 8 Refused

ECAI31A3:

- 9 Don't know
- 8 Refused

K1C:

- 9 Don't know
- 8 Refused

K2C:

- 9 Don't know
- 8 Refused

K3A:

- 9 Don't know
- 8 Refused

K3BC:

- 9 Don't know
- 8 Refused

K3E:

- 9 Don't know
- 8 Refused

K3F:

- 9 Don't know
- 8 Refused

K3HD:

- 9 Don't know

K4: -8 Refused
-9 Don't know
-8 Refused
1 Yes
2 No

K5A: -9 Don't know
-8 Refused

K5I: -9 Don't know
-8 Refused

K5BC: -9 Don't know
-8 Refused

K5E: -9 Don't know
-8 Refused

K5F: -9 Don't know
-8 Refused

K5HDJ: -9 Don't know
-8 Refused

ECAK4A: -9 Don't know
-8 Refused
1 Yes
2 No

K6: -9 Don't know
-8 Refused
1 Yes
2 No

K7: -9 Don't know
-8 Refused
1 Yes

2 No
 K8:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 K9:
 -9 Don't know
 -8 Refused
 1 Private commercial banks
 2 State-owned banks or government agency
 3 Non-bank financial institutions
 4 Other
 ECAK9A:
 -9 Don't know
 -8 Refused
 1 Bank 1
 2 Bank 2
 3 Bank 3
 4 Bank 4
 5 Bank 5
 6 Bank 6
 7 Bank 7
 8 Bank 8
 9 Bank 9
 10 Bank 10
 11 Bank 11
 12 Other, SPONTANEOUS - please specify
 ECAQ46F:
 -8 Refused
 1 Local currency
 2 Euro
 3 US Dollar
 4 Other_ SPONTANEOUS - please specify
 ECAQ46D:
 -9 Don't know
 -8 Refused
 ECAQ46E:

-9 Don't know
-8 Refused
K13:
-9 Don't know
-8 Refused
1 Yes
2 No
K14A:
-9 Don't know
-8 Refused
1 Yes
2 No
K14B:
-9 Don't know
-8 Refused
1 Yes
2 No
K14C:
-9 Don't know
-8 Refused
1 Yes
2 No
K14D:
-9 Don't know
-8 Refused
1 Yes
2 No
K14E:
-9 Don't know
-8 Refused
1 Yes
2 No
K15B:
-9 Don't know
-8 Refused
K15D:
-9 Don't know
-8 Refused

1 Yes
 2 No
 K16:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 ECAK17:
 -9 Don't know
 -8 Refused
 1 No need for a loan - establishment had sufficient capital
 2 Application procedures were complex
 3 Interest rates were not favorable
 4 Collateral requirements were too high
 5 Size of loan and maturity were insufficient
 6 It is necessary to make informal payments to get bank loans
 7 Did not think it would be approved
 8 Other
 K20A:
 -9 Don't know
 -8 Refused
 -6 APPLICATION STILL IN PROCESS
 -3 APPLICATION WITHDRAWN BY THE ESTABLISHMENT
 1 Application was approved
 2 Application was rejected
 K21:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 K30:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle

ECAQ31E: 4 Very severe obstacle
-9 Don't know
-8 Refused
1 Yes
2 No

H7A:
-9 Don't know
-8 Refused
1 Strongly disagree
2 Tend to disagree
3 Tend to agree
4 Strongly agree

ECAJ1B:
-9 Don't know
-8 Refused
1 Strongly disagree
2 Tend to disagree
3 Tend to agree
4 Strongly agree

ECAJ1C:
-9 Don't know
-8 Refused
1 Strongly disagree
2 Tend to disagree
3 Tend to agree
4 Strongly agree

J2:
-9 Don't know
-8 Refused

J3:
-9 Don't know
-8 Refused
1 Yes
2 No

J4:
-9 Don't know
-8 Refused

J5:
-9 Don't know
-8 Refused
1 Yes
2 No

J6A:
-9 Don't know
-8 Refused
1 Yes
2 No

J6:
-9 Don't know
-8 Refused

J7A:
-9 Don't know
-8 Refused
-7 No answer

J10:
-9 Don't know
-8 Refused
1 Yes
2 No

J11:
-9 Don't know
-6 STILL IN PROCESS
-5 APPLICATION DENIED

J12:
-9 Don't know
-8 Refused
1 Yes
2 No

J13:
-9 Don't know
-8 Refused
1 Yes
2 No

J14:
-9 Don't know

-6 STILL IN PROCESS
-5 APPLICATION DENIED

J15:
-9 Don't know
-8 Refused
1 Yes
2 No

J30A:
-9 Don't know
-8 Refused
-7 DOES NOT APPLY
0 No obstacle
1 Minor obstacle
2 Moderate obstacle
3 Major obstacle
4 Very severe obstacle

J30B:
-9 Don't know
-8 Refused
-7 DOES NOT APPLY
0 No obstacle
1 Minor obstacle
2 Moderate obstacle
3 Major obstacle
4 Very severe obstacle

ECAJ31B1:
-9 Don't know
-8 Refused
1 Increase
2 Remain the same
3 Decrease

ECAJ31B2:
-9 Don't know
-8 Refused

ECAJ31B3:
-9 Don't know
-8 Refused

J30C:

- 9 Don't know
- 8 Refused
- 7 DOES NOT APPLY
- 0 No obstacle
- 1 Minor obstacle
- 2 Moderate obstacle
- 3 Major obstacle
- 4 Very severe obstacle

ECAJ31C1:

- 9 Don't know
- 8 Refused
- 1 Increase
- 2 Remain the same
- 3 Decrease

ECAJ31C2:

- 9 Don't know
- 8 Refused

ECAJ31C3:

- 9 Don't know
- 8 Refused

J30E:

- 9 Don't know
- 8 Refused
- 7 DOES NOT APPLY
- 0 No obstacle
- 1 Minor obstacle
- 2 Moderate obstacle
- 3 Major obstacle
- 4 Very severe obstacle

J30F:

- 9 Don't know
- 8 Refused
- 7 DOES NOT APPLY
- 0 No obstacle
- 1 Minor obstacle
- 2 Moderate obstacle
- 3 Major obstacle
- 4 Very severe obstacle

ECAJ31F1:

- 9 Don't know
- 8 Refused
- 1 Increase
- 2 Remain the same
- 3 Decrease

ECAJ31F2:

- 9 Don't know
- 8 Refused

ECAJ31F3:

- 9 Don't know
- 8 Refused

H30:

- 9 Don't know
- 8 Refused
- 7 DOES NOT APPLY
- 0 No obstacle
- 1 Minor obstacle
- 2 Moderate obstacle
- 3 Major obstacle
- 4 Very severe obstacle

ECAH31A1:

- 9 Don't know
- 8 Refused
- 1 Increase
- 2 Remain the same
- 3 Decrease

ECAH31A2:

- 9 Don't know
- 8 Refused

ECAH31A3:

- 9 Don't know
- 8 Refused

ECAQ39:

- 9 Don't know
- 8 Refused
- 1 Never
- 2 Seldom

3 Sometimes
4 Frequently
5 Very frequently
6 Always

ECAQ41A:

-9 Don't know
-8 Refused
1 Never
2 Seldom
3 Sometimes
4 Frequently
5 Very frequently
6 Always

ECAQ41B:

-9 Don't know
-8 Refused
1 Never
2 Seldom
3 Sometimes
4 Frequently
5 Very frequently
6 Always

ECAQ41C:

-9 Don't know
-8 Refused
1 Never
2 Seldom
3 Sometimes
4 Frequently
5 Very frequently
6 Always

ECAQ44A:

-9 Don't know
-8 Refused
-7 DOES NOT APPLY
1 No impact
2 Minor impact
3 Moderate impact

4 Major impact
5 Decisive impact

ECAQ44B:

-9 Don't know
-8 Refused
-7 DOES NOT APPLY
1 No impact
2 Minor impact
3 Moderate impact
4 Major impact
5 Decisive impact

ECAQ44C:

-9 Don't know
-8 Refused
-7 DOES NOT APPLY
1 No impact
2 Minor impact
3 Moderate impact
4 Major impact
5 Decisive impact

ECAR16A:

-9 Don't know
-8 Refused

ECAR17A:

-9 Don't know
-8 Refused
-7 DOES NOT APPLY
1 Yes
2 No

ECAR17B:

-9 Don't know
-8 Refused
-7 DOES NOT APPLY
1 Yes
2 No

ECAR17C:

-9 Don't know
-8 Refused

-7 DOES NOT APPLY
 1 Yes
 2 No

ECAR18:

-9 Don't know
 -8 Refused
 1 Yes
 2 No

ECAR20:

-9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 1 No need for external consultants
 2 External consultants are too expensive
 3 External consultants do not offer the services needed
 4 There are no external consultants available
 5 Not aware of consultancy services offered
 6 Other_ SPONTANEOUS - please specify

L8:

-9 Don't know
 -8 Refused
 1 Less than one month

L9A1:

-9 Don't know
 -8 Refused

L9A2:

-9 Don't know
 -8 Refused
 -7 NO FEMALE PRODUCTION WORKERS

ECAQ69:

-9 Don't know
 -8 Refused

L10:

-9 Don't know
 -8 Refused
 1 Yes
 2 No

L11A:

-9 Don't know
 -8 Refused
 L11B:
 -9 Don't know
 -8 Refused
 L30A:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 ECAL31A1:
 -9 Don't know
 -8 Refused
 1 Increase
 2 Remain the same
 3 Decrease
 ECAL31A2:
 -9 Don't know
 -8 Refused
 ECAL31A3:
 -9 Don't know
 -8 Refused
 L30B:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 ECAL31B1:
 -9 Don't know
 -8 Refused

- 1 Increase
- 2 Remain the same
- 3 Decrease

ECAL31B2:

- 9 Don't know
- 8 Refused

ECAL31B3:

- 9 Don't know
- 8 Refused

M1A:

- 9 Don't know
- 8 Refused
- 7 DOES NOT APPLY
- 1 Access to finance
- 2 Access to land
- 3 Business licensing and permits
- 4 Corruption
- 5 Courts
- 6 Crime_ theft and disorder
- 7 Customs and trade regulations
- 8 Electricity
- 9 Inadequately educated workforce
- 10 Labor regulations
- 11 Political instability
- 12 Practices of competitors in the informal sector
- 13 Tax administration
- 14 Tax rates
- 15 Transport

M1D:

- 8 Refused
- 1 Option 1
- 2 Option 2
- 3 Option 3

ECAS1A:

- 9 Don't know
- 8 Refused
- 1 Increase
- 2 Stay the same

3 Decrease
 ECAS1B:
 -9 Don't know
 -8 Refused
 ECAS1C:
 -9 Don't know
 -8 Refused
 VIN1A:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 VIN1B:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 VIN1C:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 VIN1D:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY

0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 VIN1E:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 0 No obstacle
 1 Minor obstacle
 2 Moderate obstacle
 3 Major obstacle
 4 Very severe obstacle
 A15A2A:
 -8 Refused
 ECAA15A4:
 -8 Refused
 A15A3A:
 -8 Refused
 1 Male
 2 Female
 A15A2B:
 -8 Refused
 -7 does not apply code
 V294_A:
 -8 Refused
 -7 does not apply code
 A15A3B:
 -8 Refused
 -7 does not apply code
 1 Male
 2 Female
 A15A2C:
 -8 Refused
 -7 does not apply code
 V298_A:
 -8 Refused

A15A3C: -7 does not apply code
 -8 Refused
 -7 does not apply code
 1 Male
 2 Female

A16: -8 Refused
 1 Truthful
 2 Somewhat truthful
 3 Not truthful

A17: -8 Refused
 1 Are taken directly from establishment records
 2 Are estimates computed with some precision
 3 Are arbitrary and unreliable numbers
 4 Are partially taken directly from establishment records and partially estimated

A18: -8 Refused
 1 One visit in face-to-face interview with one person
 2 One visit in face-to-face interview with different managers/staff
 3 Several visits

A19H: -8 Refused

A19M: -8 Refused

INNOV: -8 Refused
 1 Yes
 2 No

A23: -8 Refused
 1 Face-to-face interview_ immediately after the main survey
 2 Face-to-face interview_ second visit
 3 Phone interview
 4 Other_ please can you specify

ECA01A: -9 Don't know

ECAO2A: -8 Refused
-9 Don't know
-8 Refused
1 Yes
2 No

ECAO2B: -9 Don't know
-8 Refused
1 Yes
2 No

ECAO2C: -9 Don't know
-8 Refused
1 Yes
2 No

ECAO3A: -9 Don't know
-8 Refused
-7 DOES NOT APPLY
1 Yes
2 No

ECAO3B: -9 Don't know
-8 Refused
-7 DOES NOT APPLY
1 Yes
2 No

ECAO3C: -9 Don't know
-8 Refused
-7 DOES NOT APPLY
1 Yes
2 No

ECAO3D: -9 Don't know
-8 Refused
-7 DOES NOT APPLY

1 Yes
 2 No
 ECAO3E:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 1 Yes
 2 No
 ECAO3F:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 1 Yes
 2 No
 ECAO3G:
 -9 Don't know
 -8 Refused
 -7 DOES NOT APPLY
 1 Yes
 2 No
 ECAO4:
 -9 Don't know
 -8 Refused
 -6 ALL NEW OR SIGNIFICANTLY IMPROVED PRODUCTS WERE INTRODUCED IN THE CURRENT FISCAL YEAR
 ECAO5:
 -9 Don't know
 -8 Refused
 1 Developed or adapted by this establishment_ from its own ideas
 2 Licensed products or services from another firm
 3 Developed in cooperation with domestic suppliers
 4 Developed in cooperation with suppliers abroad
 5 Developed in cooperation with domestic client firms
 6 Developed in cooperation with client firms abroad
 7 Developed in cooperation with external academic or research institutions
 8 Introduced the establishment's own version of a product or service already supplied (
 > by another firm)
 9 Other_ SPONTANEOUS - please specify
 ECAO6:

-9 Don't know
-8 Refused
1 Yes
2 No

ECA07A:

-9 Don't know
-8 Refused
1 Yes
2 No

ECA07B:

-9 Don't know
-8 Refused
1 Yes
2 No

ECA07C:

-9 Don't know
-8 Refused
1 Yes
2 No

ECA09A:

-9 Don't know
-8 Refused
1 Yes
2 No

ECA09B:

-9 Don't know
-8 Refused
1 Yes
2 No

ECA09C:

-9 Don't know
-8 Refused
1 Yes
2 No

ECA010A:

-9 Don't know
-8 Refused
1 Yes

ECAO10B: 2 No
-9 Don't know
-8 Refused
1 Yes
2 No

ECAO10C: -9 Don't know
-8 Refused
1 Yes
2 No

ECAO10D: -9 Don't know
-8 Refused
1 Yes
2 No

ECAO11: -9 Don't know
-8 Refused
1 Developed or adapted by this establishment_ from its own ideas
2 Licensed products or services from another firm
3 Developed in cooperation with domestic suppliers
4 Developed in cooperation with suppliers abroad
5 Developed in cooperation with domestic client firms
6 Developed in cooperation with client firms abroad
7 Developed in cooperation with external academic or research institutions
8 Introduced the establishment's own version of a product or service already supplied (
> by another firm)
9 Other_ SPONTANEOUS - please specify

ECAO12: -9 Don't know
-8 Refused
1 Yes
2 No

ECAO13: -9 Don't know
-8 Refused
-7 NO COMPETITORS

- 1 My firm's technology is less advanced than that of my main competitor
- 2 My firm's technology is about the same as that of my main competitor
- 3 My firm's technology is more advanced than that of my main competitor

ECAO16:

- 9 Don't know
- 8 Refused
- 1 Yes
- 2 No

ECAO18:

- 9 Don't know
- 8 Refused
- 1 Yes
- 2 No

ECAO20:

- 9 Don't know
- 8 Refused
- 1 Yes
- 2 No

ECAO21:

- 9 Don't know
- 8 Refused
- 1 A (COUNTRY) firm
- 2 A (COUNTRY) research institute or university
- 3 A foreign firm
- 4 A foreign research institute or university
- 5 Other

ECAO22A:

- 9 Don't know
- 8 Refused

ECAO22B:

- 9 Don't know
- 8 Refused
- 7 THE ESTABLISHMENT WAS NOT IN BUSINESS THREE YEARS AGO

ECAO23A:

- 9 Don't know
- 8 Refused
- 1 Yes
- 2 No

ECAO23B:

- 9 Don't know
- 8 Refused
- 1 Yes_ for a patent only
- 2 Yes_ for a trademark only
- 3 Yes_ for both a patent and a trademark
- 4 No

ECAO23D:

- 9 Don't know
- 8 Refused
- 1 Yes_ for a patent only
- 2 Yes_ for a trademark only
- 3 Yes_ for both a patent and a trademark
- 4 No

ECAR1:

- 9 Don't know
 - 8 Refused
 - 7 DOES NOT APPLY
 - 1 We fixed it but did not take further action
 - 2 We fixed it and took action to make sure it did not happen again
 - 3 We fixed it and took action to make sure that it did not happen again_ and had a cont
- > inuous improvement process to antic
- 4 No action was taken

ECAR11:

- 9 Don't know
- 8 Refused
- 7 DOES NOT APPLY
- 1 Their own performance as measured by production targets
- 2 Their team or shift performance as measured by production targets
- 3 Their establishment's performance as measured by production targets
- 4 Their company's performance as measured by production targets
- 5 No performance bonuses

ECAR13:

- 9 Don't know
- 8 Refused
- 7 DOES NOT APPLY (NO PROMOTIONS OF NON-MANAGERS IN THE LAST COMPLETE FISCAL YEAR)
- 1 Promotions were based solely on performance and ability
- 2 Promotions were based partly on performance and ability_ and partly on other factors

```

> (for example_ tenure or family conn
      3 Promotions were based mainly on factors other than performance and ability (for examp
> le_ tenure or family connections)
      4 Non-managers are normally not promoted
ECAR15:
      -9 Don't know
      -8 Refused
      -7 DOES NOT APPLY (NO UNDER-PERFORMING NON-MANAGERS IN THE LAST COMPLETE FISCAL YEAR)
      1 Within 6 months of identifying non-manager under-performance
      2 After 6 months of identifying non-manager under-performance
      3 Rarely or never
A24:
      -8 Refused
      1 Yes
      2 No
valllabel:
      -9 Don't know
      -8 Refusal
      -7 Does not apply
ECAT1:
      -8 Refused
      1 Yes
      2 No
ECAT2:
      -8 Refused
      1 Yes
      2 No
ECAT3:
      -8 Refused
      1 Yes
      2 No
ECAT4:
      -8 Refused
      1 Yes
      2 No
ECAT5:
      -8 Refused
      1 Yes

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ECAT6: 2 No
 -8 Refused
 1 Yes
 2 No

ECAT7: -8 Refused
 1 Yes
 2 No

ECAT8: -8 Refused
 1 Yes
 2 No

ECAT9: -8 Refused
 1 Yes
 2 No

ECAT10: -8 Refused
 1 Yes
 2 No

ECAT11: -8 Refused
 1 Yes
 2 No

ECAT12: -8 Refused
 1 Yes
 2 No

ECAT11B: 1 Found it offensive
 2 Found it a waste of time
 3 Did not understand the experiment
 4 OTHER (SPONTANEOUS-SPECIFY)

ECAZ1: -9 Don't know
 -8 Refused
 1 Yes

2 No
 ECAZ3:
 -9 Don't know
 -8 Refused
 1 Primary school or less
 2 Secondary school
 3 Bachelor
 4 Master degree
 5 Doctorate
 ECAZ4:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 ECAZ5:
 -9 Don't know
 -8 Refused
 ECAZ6A:
 -9 Don't know
 -8 Not applicable
 ECAZ6B:
 -9 Don't know
 -8 Not applicable
 ECAZ6C:
 -9 Don't know
 -8 Not applicable
 ECAZ6D:
 -9 Don't know
 -8 Not applicable
 ECAZ7:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 ECAZ8:
 -9 Don't know
 -8 Refused
 1 By founding the establishment (individually or with partners)

- 2 By buying shares
- 3 By joining family owned firm
- 4 Other - specify

ECAZ9:

- 9 Don't know
- 8 Refused
- 1 Heritage
- 2 Marriage
- 3 Other - specify

ECAZ10:

- 9 Don't know
- 8 Refused
- 1 Business opportunity
- 2 Family tradition
- 3 Discontent with previous job
- 4 Previous business failed
- 5 More flexible working hours
- 6 New job offers more independence in decision making
- 7 Other - specify

ECAZ11:

- 9 Don't know
- 8 Refused
- 1 Employed in the formal sector
- 2 Self-employed in the formal sector
- 3 Employed in the informal sector
- 4 Self-employed in the informal sector
- 5 Entrepreneur
- 6 Unemployed
- 7 Other - specify

ECAZ12:

- 9 Don't know
- 8 Refused
- 1 Yes
- 2 No

ECAZ13:

- 9 Don't know
- 8 Refused
- 1 The largest owner is the main decision maker

2 The owners or partners are the main decision makers
 3 The board of directors is the main decision maker
 ECAZ14:
 -9 Don't know
 -8 Refused
 1 Yes
 2 No
 ECAZ15:
 -9 Don't know
 -8 Refused
 e2b:
 -9 Don't know
 -4 Too Many To Count
 VEB1A:
 -9 Don't know
 -7 Does not apply
 1 Know well
 2 Heard something
 3 Don't know anything
 VEB1B:
 -9 Don't know
 -7 Does not apply
 1 Know well
 2 Heard something
 3 Don't know anything
 VEB1C:
 -9 Don't know
 -7 Does not apply
 1 Know well
 2 Heard something
 3 Don't know anything
 VEB1D:
 -9 Don't know
 -7 Does not apply
 1 Know well
 2 Heard something
 3 Don't know anything
 VEB1E:

- 9 Don't know
- 7 Does not apply
- 1 Know well
- 2 Heard something
- 3 Don't know anything

VEB2:

- 9 Don't know
- 1 Yes
- 2 No
- 3 I am not aware of Vnesheconombank projects

VEB3:

- 9 Don't know
- 8 Refusal
- 7 Does not apply
- 1 Yes
- 2 No

VEB4:

- 9 Don't know
- 8 Refusal
- 7 Does not apply

VEB5A:

- 9 Don't know
- 7 Does not apply
- 1 None
- 2 Minor
- 3 Moderate
- 4 Major
- 5 Severe

VEB5B:

- 9 Don't know
- 7 Does not apply
- 1 None
- 2 Minor
- 3 Moderate
- 4 Major
- 5 Severe

VEB5C:

- 9 Don't know

-7 Does not apply
1 None
2 Minor
3 Moderate
4 Major
5 Severe

VEB5D:

-9 Don't know
-7 Does not apply
1 None
2 Minor
3 Moderate
4 Major
5 Severe

VEB5E:

-9 Don't know
-7 Does not apply
1 None
2 Minor
3 Moderate
4 Major
5 Severe

VEB6:

-9 Don't know
-8 Refusal
-7 Does not apply
1 Yes
2 No

VEB7:

-9 Don't know
-7 Does not apply
1 Absolutely transparent
2 Mostly transparent
3 Sometimes transparent, sometimes non-transparent
4 Mostly non-transparent
5 Absolutely non-transparent

A15A3D:

-9 Don't know

-8 Refusal
-7 Does not apply
1 Male
2 Female