## BEEPS II. 2 (BEEPS 2004)

## NOTES

-dta: Copyright 2004 The European Bank for Reconstruction and Development and The World Bank.
2. Version as of August 2, 2011. Replaces the earlier version. Changes: added variable labels and value labels, added variables.
3. Refer to data in all uses as EBRD-World Bank Business Environment and Enterprise Performance Survey (BEEPS) II.5.
4. In Germany, Greece, Portugal, South Korea and Vietnam, the fieldwork was conducted between October and December 2004.
5. Where applicable, amounts are specified in thousand EUR.
6. Please read the Technical documentation before using the data.
7. Address comments and questions using the form at
http://www.ebrd.com/pages/research/economics/data/form.shtml(EBRD).

## VARIABLE LABELS



| s 4b | byte | $\% 11.0 \mathrm{~g}$ | s 4b | Number of full-time employees general |
| :---: | :---: | :---: | :---: | :---: |
| s5a | byte | $\% 8.0 \mathrm{~g}$ |  | \% owned by private domestic company/organisation |
| s 5b | byte | $\% 8.0 \mathrm{~g}$ |  | \% owned by private foreign company/organisation |
| s 5 c | byte | $\% 8.0 \mathrm{~g}$ |  | \% owned by government/state |
| s5d | byte | $\% 8.0 \mathrm{~g}$ |  | \% owned by other |
| s6a_r1 | float | $\div 22.0 \mathrm{~g}$ | s6a | Nationality of the organisation (1) |
| s6a_r2 | float | $\% 22.0 \mathrm{~g}$ | s6a | Nationality of the organisation (2) |
| s6a_r3 | float | $\div 22.0 \mathrm{~g}$ | s6a | Nationality of the organisation (3) |
| s6a_r4 | float | $\div 22.0 \mathrm{~g}$ | s6a | Nationality of the organisation (4) |
| s6b | byte | $\% 8.0 \mathrm{~g}$ |  | Other Nationality |
| s 7 | int | $\div 20.0 \mathrm{~g}$ | yesno | Selling of products directly to customers outside the country? |
| s8 | byte | $\% 8.0 \mathrm{~g}$ |  | \% of directly to customers exports in sales |
| s 9 | byte | $\% 24.0 \mathrm{~g}$ | s9_v | Location of the headquarters |
| s10 | byte | $\% 8.0 \mathrm{~g}$ | number | Number of establishments in this country |
| s11 | int | $\% 20.0 \mathrm{~g}$ | yesno | Holdings or operations in other countries? |
| q1 | byte | $\div 40.0 \mathrm{~g}$ | q1 | Job title |
| q2a | byte | $\% 8.0 \mathrm{~g}$ |  | \% of mining and quarrying in sales |
| q2b | byte | $\% 8.0 \mathrm{~g}$ |  | \% of construction in sales |
| q2c | byte | $\% 8.0 \mathrm{~g}$ |  | \% of manufacturing in sales |
| q2d | byte | $\% 8.0 \mathrm{~g}$ |  | \% of transport storage and communication in sales |
| q2e | byte | $\% 8.0 \mathrm{~g}$ |  | \% of wholesale, retail, repairs in sales |
| q2 | byte | $\% 8.0 \mathrm{~g}$ |  | \% of real estate, renting and business services in sales |
| q2 g | byte | $\% 8.0 \mathrm{~g}$ |  | \% of hotels and restaurants in sales |
| q2h | byte | $\% 8.0 \mathrm{~g}$ |  | \% of other in sales |
| q3a | byte | $\% 8.0 \mathrm{~g}$ |  | \% of the firm owned by the largest shareholder(s) |
| q3b | byte | \%16.0g | shareno | Number of shareholders that hold the largest share |
| q4aa_r1 | float | $\div 31.0 \mathrm{~g}$ | q4aa | Characteristics of the largest shareholder(s) (1) |
| q4aa_r2 | float | $\% 31.0 \mathrm{~g}$ | q4aa | Characteristics of the largest shareholder(s) (2) |
| q4aa_r3 | float | $\div 31.0 \mathrm{~g}$ | q4aa | Characteristics of the largest shareholder(s) (3) |
| q4aa_r4 | float | \%31.0g | q4aa | Characteristics of the largest shareholder(s) (4) |
| q4ab | byte | $\% 8.0 \mathrm{~g}$ |  | Characteristics of the largest shareholder: Other |
| q4b | byte | $\div 20.0 \mathrm{~g}$ | yesno | Individual/family member as manager/director of the firm |
| q4c | byte | $\because 20.0 \mathrm{~g}$ | yesno | one of the principal owners is a female |
| q5a | byte | $\% 49.0 \mathrm{~g}$ | q5a | How was the firm established? |
| q5b | byte | $\% 8.0 \mathrm{~g}$ |  | Establishment of the firm: Other |
| q6 | int | $\% 8.0 \mathrm{~g}$ |  | Year of completion of privatisation |
| q7a | byte | $\% 8.0 \mathrm{~g}$ |  | \% of sales sold domestically |
| q7b | byte | $\% 8.0 \mathrm{~g}$ |  | \% of sales exported directly |
| q7c | byte | $\div 8.0 \mathrm{~g}$ |  | \% of sales exported indirectly through a |


|  | distributor |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| q8a | byte | \%8.0g |  | Average export time over the last 12 months |
| q8b | int | $\% 8.0 \mathrm{~g}$ |  | Longest export time over the last 12 months |
| q9a | byte | $\% 8.0 \mathrm{~g}$ |  | \% of sales to government or government agencies (excluding state-owned enterpris |
| q9b | byte | \% 8.0 g |  | \% of sales to state owned or controlled enterprises |
| q9c | byte | $\% 8.0 \mathrm{~g}$ |  | \% of sales to mutlinationals located in your country (not including a parent com |
| q9d | byte | $\% 8.0 \mathrm{~g}$ |  | \% of sales to your firm's parent company or affiliated subsidiaries |
| q9e | byte | \% 8.0g |  | \% of sales to large domestic firms (250 or more workers) |
| q9f | byte | $\% 8.0 \mathrm{~g}$ |  | \% of sales to small firms and individuals [excl. <br> BEEPS II.5] |
| q9g | byte | \% 8.0 g |  | \% of sales to other [excl. BEEPS II.5] |
| q10 | int | $\% 33.0 \mathrm{~g}$ | important | Importance of the competition from imports for the main line of products or serv |
| q11 | byte | $\% 52.0 \mathrm{~g}$ | q11_v | Impact of a $10 \%$ price increase when competitors maintain their prices |
| q12a | byte | $\% 20.0 \mathrm{~g}$ | yesno | Compete in the national market? |
| q12b | byte | $\% 8.0 \mathrm{~g}$ |  | \% of the national market in terms of sales for the main product [only BEEPS II. 5 |
| q12c | byte | $\% 8.0 \mathrm{~g}$ |  | \% of the local market in terms of sales for the main product [only BEEPS II.5] |
| q12ba | byte | $\% 9.0 \mathrm{~g}$ | q12ba_v | Number of competitors in the national market, currently |
| q12bb | byte | $\because 9.0 \mathrm{~g}$ | q12ba_v | Number of competitors in the national market, 36 months ago |
| q12ca | byte | $\because 15.0 \mathrm{~g}$ | competitor |  |
|  |  |  |  | Number of competitors in the national market, currently |
| q12cb | byte | $\% 15.0 \mathrm{~g}$ | competitor |  |
|  |  |  |  | Number of competitors in the national market, 36 months ago |
| q13a | byte | $\% 20.0 \mathrm{~g}$ | yesno | Compete in the local market? |
| q13ba | byte | $\% 9.0 \mathrm{~g}$ | q12ba_v | Number of competitors in the local market, currently |
| q13bb | byte | $\because 9.0 \mathrm{~g}$ | q12ba_v | Number of competitors in the local market, 36 months ago |
| q13ca | byte | $\% 15.0 \mathrm{~g}$ | competitor |  |
|  |  |  |  | Number of competitors in the local market, |


| q13cb | byte | \%15.0g | competitor | currently |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Number of competitors in the local market, 36 months ago |
| q14 | int | $\% 20.0 \mathrm{~g}$ | dk | Margin of sales price to operating costs, \% |
| q15a | byte | $\because 8.0 \mathrm{~g}$ |  | \% of material inputs and supplies purchased from |
|  |  |  |  | domestic sources |
| q15b | byte | \%8.0g |  | \% of material inputs and supplies imported directly |
| q15c | byte | $\% 8.0 \mathrm{~g}$ |  | \% of material inputs and supplies imported indirectly through a distributor |
| q16a | byte | \%8.0g |  | Average time for import over the last 12 months |
| q16b | int | \% 8.0 g |  | Longest time for import over the last 12 months |
| q17 | int | \%8.0g |  | Days of inventory of main input/supply |
| q19 | byte | $\% 47.0 \mathrm{~g}$ | q19_v | Impact of a $10 \%$ price increase by the main supplier |
| q20a1 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Change the identity of main material supplier |
| q20a2 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Change the identity of the main customers ( $>20 \%$ of sales) |
| q20a3 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Exported to new country |
| q20b1 | int | $\% 18.0 \mathrm{~g}$ | important2 |  |
|  |  |  |  | Importance: Changed the identity of main material supplier |
| q20b2 | int | \%18.0g | important2 |  |
|  |  |  |  | Importance: Changed the identity of the main customers (>20\% of sales) |
| q20b3 | int | \% 18.0 g | important2 |  |
|  |  |  |  | Importance: Exported to new country |
| q21a | int | \%18.0g | important2 |  |
|  |  |  |  | Source of new customers: Family and friends |
| q21b | int | $\% 18.0 \mathrm{~g}$ | important2 | Source of new customers: Former employees now working for a new firm |
| q21c | int | \% 18.0 g | important2 |  |
|  |  |  |  | Source of new customers: Prior employment of senior managers by a supplier |
| q21d | int | \% 18.0 g | important2 |  |
|  |  |  |  | Source of new customers: Existing customers |
| q21e | int | \%18.0g | important2 |  |
|  | int | \%18.0g | important2 | Source of new customers: Government agencies |
| q21f |  |  |  | Source of new customers: Business associations |


| q21g | int | \%18.0g | important2 |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Source of new customers: Trade fairs |
| q22a | int | \% 18.0 g | important2 |  |
|  |  |  |  | Source of new suppliers: Family and friends |
| q22b | int | \%18.0g | important2 |  |
|  |  |  |  | Source of new suppliers: Former employees now working for a new firm |
| q22c | int | \%18.0g | important2 |  |
|  |  |  |  | Source of new suppliers: Prior employment of senior managers by a supplier |
| q22d | int | \%18.0g | important2 |  |
|  |  |  |  | Source of new suppliers: Existing customers |
| q22e | int | \%18.0g | important2 |  |
|  |  |  |  | Source of new suppliers: Government agencies |
| q22f | int | \%18.0g | important2 |  |
|  |  |  |  | Source of new suppliers: Business associations |
| q22g | int | \%18.0g | important2 |  |
|  |  |  |  | Source of new suppliers: Trade fairs |
| q23a1 | int | $\% 8.0 \mathrm{~g}$ |  | Days over the last 12 months with power outages or surges from the public grid |
| q23a2 | int | $\% 8.0 \mathrm{~g}$ |  | Days over the last 12 months with insufficient water supply |
| q23a3 | int | $\% 8.0 \mathrm{~g}$ |  | Days over the last 12 months with unavailable mainline telephone service |
| q23b1 | byte | \%24.0g | hourless | Average duration (hours/days) of power outages or surges from the public grid |
| q23b2 | byte | \% 24.0 g | hourless | Average duration (hours/days) of insufficient water supply |
| q23b3 | byte | \%24.0g | hourless | Average duration (hours/days) of unavailable mainline telephone service |
| q24a | byte | \%20.0g | yesno | Firm regularly uses fixed line telephone in its interactions |
| q24b | byte | $\% 20.0 \mathrm{~g}$ | yesno | Firm regularly uses fax in its interactions |
| q24c | byte | $\% 20.0 \mathrm{~g}$ | yesno | Firm regularly uses mobile telephone in its interactions |
| q24d | byte | $\% 20.0 \mathrm{~g}$ | yesno | Firm regularly uses email in its interactions |
| q24e | byte | $\% 20.0 \mathrm{~g}$ | yesno | Firm regularly uses internet in its interactions |
| q25a | int | $\% 8.0 \mathrm{~g}$ |  | Setting up a fixed line telephone connection: actual wait in days over the last |
| q25b | int | $\% 8.0 \mathrm{~g}$ |  | Setting up an electrical connection: actual wait in days over the last 36 months |
| q26a | byte | $\% 8.0 \mathrm{~g}$ |  | \% of products shipped and sold in the domestic |


| q2 6b | int | \% 8.0 g |  |
| :---: | :---: | :---: | :---: |
| q27a | int | $\% 11.0 \mathrm{~g}$ | freq |
| q27b | int | $\% 11.0 \mathrm{~g}$ | freq |
| q27c | int | $\% 11.0 \mathrm{~g}$ | freq |
| q27d | int | \%11.0g | freq |
| q27e | int | $\% 11.0 \mathrm{~g}$ | freq |
| q28 | int | \% 22.0 g | agree |
| q29a | byte | \%8.0g |  |
| q29b | byte | \%8.0g |  |
| q29c | byte | \% 8.0 g |  |
| q30a | byte | \% 8.0 g |  |
| q30b | byte | $\% 8.0 \mathrm{~g}$ |  |
| q30c | byte | $\% 8.0 \mathrm{~g}$ |  |
| q31a | byte | $\% 20.0 \mathrm{~g}$ | cases |
| q31c | int | $\because 9.0 \mathrm{~g}$ | cases |
| q31d | byte | $\because 9.0 \mathrm{~g}$ | cases |
| q31ea | byte | $\because 9.0 \mathrm{~g}$ | cases |
| q31eb | byte | $\% 9.0 \mathrm{~g}$ | cases |
| q32a1 | byte | $\% 20.0 \mathrm{~g}$ | yesno |
| q32a2 | float | $\because 9.0 \mathrm{~g}$ |  |
| q32a3 | long | $\% 8.0 \mathrm{~g}$ |  |
| q32b1 | byte | $\% 20.0 \mathrm{~g}$ | yesno |
| q32b2 | float | \%8.0g |  |
| q32b3 | int | $\because 8.0 \mathrm{~g}$ |  |
| q33a | byte | $\% 20.0 \mathrm{~g}$ | yesno |
| q33b | float | $\because 9.0 \mathrm{~g}$ |  |

market lost due to breakage/spoil
\% of products exported directly lost due to breakage/spoilage/theft
How often do you associate fair and impartial with the court system?
How often do you associate honest/uncorrupted with the court system?
How often do you associate quick with the court system?
How often do you associate affordable with the court system?
How often do you associate able to enforce its decisions with the court system?
I am confident that the legal system will uphold my contract and property rights
\% of firm's sales that are pre-paid
\% of firm's sales that are paid on delivery
\% of firm's sales that are sold on credit
\% of firm's purchases that are pre-paid
\% of firm's purchases that are paid on delivery
\% of firm's purchases that are on credit
Resolved an overdue payment in the last 36 months?
Average duration (in weeks) of resolving an overdue payment
Number of cases resolved an overdue payment by court action
Number of cases that involving the firm as plaintiff
Number of cases that involving the firm as defendant
Make security payments(equipment, personnel, or professional security services)
\% of annual sales spent on for security payments(equipment, personnel, or profes
Amount paid for security in '000 EUR
Make protection payments
\% of annual sales spent on for protection payments Amount paid for protection in '000 EUR
Had losses as a result of theft, robbery, vandalism or arson in the last year
Losses due to theft, robbery, vandalism or arson as

| q34a | int | $\% 22.0 \mathrm{~g}$ | agree | Information on the laws \& regulations affecting my firm is easy to obtain |
| :---: | :---: | :---: | :---: | :---: |
| q34b | int | $\because 22.0 \mathrm{~g}$ | agree | Interpretations of the laws and regulations affecting my firm are consistent and |
| q35a | float | $\% 9.0 \mathrm{~g}$ |  | \% of senior management time spent in dealing with officials |
| q35c | int | \%11.0g | freq | If a government agent acts against the rules $I$ can usually go to another officia |
| q36a | byte | $\% 20.0 \mathrm{~g}$ | yesno | Firm is a member of a business association or chamber of commerce |
| q36b1 | int | \%14.0g | value | Business associations: Lobbying government to your firm |
| q36b2 | int | \% 14.0 g | value | Business associations: Resolution of disputes (with officials, workers or other |
| q36b3 | int | \% 14.0 g | value | Business associations: Information and/or contacts on domestic product and input |
| q36b4 | int | \% 14.0 g | value | Business associations: Information and or contacts on international product and |
| q36b5 | int | \% 14.0 g | value | Business associations: Accrediting standards or quality of products, reputationa |
| q36b6 | int | \% 14.0 g | value | Business associations: Information on government regulations |
| q37 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Seek to influence or content of national laws or regulations in the last year |
| q38 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Seek to influence or content of local/regional laws or regulations in the last $y$ |
| q38ba1 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Inspections/meetings: Tax inspectorate |
| q38ba2 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Inspections/meetings: Labour and social security |
| q38ba3 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Inspections/meetings: Fire and building safety |
| q38ba4 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Inspections/meetings: Sanitation/epidemiology |
| q38ba 5 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Inspections/meetings: Municipal police |
| q38ba 6 | byte | $\div 20.0 \mathrm{~g}$ | yesno | Inspections/meetings: Environmental |
| q38ba7 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Inspections/meetings: Customs agency |
| q38bb1 | byte | \% 24.0 g | visit | Number of inspections/meetings: Tax inspectorate |
| q38bb2 | byte | $\% 24.0 \mathrm{~g}$ | visit | Number of inspections/meetings: Labour and social security |
| q38bb3 | byte | \%24.0g | visit | Number of inspections/meetings: Fire and building safety |
| q38bb4 | byte | \% 24.0 g | visit | Number of inspections/meetings: Sanitation/epidemiology |
| q38bb5 | byte | $\% 24.0 \mathrm{~g}$ | visit | Number of inspections/meetings: Municipal police |


| q38bb 6 | byte | $\% 24.0 \mathrm{~g}$ | visit | Number of inspections/meetings: Environmental |
| :---: | :---: | :---: | :---: | :---: |
| q38bb7 | byte | $\% 24.0 \mathrm{~g}$ | visit | Number of inspections/meetings: Customs agency |
| q38bc1 | byte | \%14.0g | hours | Average duration of inspections/meetings: Tax inspectorate |
| q38bc2 | byte | \%14.0g | hours | Average duration of inspections/meetings: Labour and social security |
| q38bc3 | byte | \% 14.0 g | hours | Average duration of inspections/meetings: Fire and building safety |
| q38bc4 | byte | \%14.0g | hours | Average duration of inspections/meetings: Sanitation/epidemiology |
| q38bc5 | byte | \% 14.0 g | hours | Average duration of inspections/meetings: Municipal police |
| q38bc 6 | byte | \% 14.0 g | hours | Average duration of inspections/meetings: Environmental |
| q38bc 7 | byte | $\% 14.0 \mathrm{~g}$ | hours | Average duration of inspections/meetings: Customs agency |
| q39a | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of informal payments/gifts to get things done |
| q39b | int | $\% 11.0 \mathrm{~g}$ | freq | Firms in my line of business usually know in advance about how much this additio |
| q40 | float | $\% 9.0 \mathrm{~g}$ |  | What percent of total annual sales do firms like yours typically pay in unoffici |
| q41a | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to get connected and maintain public serv |
| q41b | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to obtain business licenses and permits |
| q41c | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to obtain government contracts |
| q41d | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to deal with occupational health and safe |
| q41e | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to deal with fire and building inspection |
| q41f | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to deal with environmental inspections |
| q41g | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to deal with taxes and tax collection |
| q41h | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to deal with customs/imports |
| q41i | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to deal with courts |
| q41j | int | $\% 11.0 \mathrm{~g}$ | freq | Frequency of unofficial payments/gifts to influence the content of new legislati |


| q42 | float | $\% 9.0 \mathrm{~g}$ |  |
| :---: | :---: | :---: | :---: |
| q43a | byte | \% 8.0g |  |
| q43b | byte | $\% 8.0 \mathrm{~g}$ |  |
| q43c | byte | $\% 8.0 \mathrm{~g}$ |  |
| q44a | int | \%18.0g | influ |
| q44b | int | \%18.0g | influ |
| q44c | int | \%18.0g | influ |
| q45a1 | byte | \% 8.0g |  |
| q45a2 | byte | \% 8.0g |  |
| q45a3 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a4 | byte | \% 8.0g |  |
| q45a5 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a6 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a7 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a8 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a9 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a10 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a11 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a12 | byte | \% 8.0g |  |
| q45a13 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a14 | int | $\% 8.0 \mathrm{~g}$ |  |
| q45a15 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a16 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a17 | byte | \% 8.0g |  |
| q45a18 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a19 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a20 | byte | \% 8.0g |  |
| q45a21 | byte | \%8.0g |  |

\% of contract value typically paid in additional or unofficial payments/gifts to
\% of total annual sales a typical firm reports for tax purposes
\% of total workforce a typical firm reports for tax purposes
\% of the actual wage bill a typical firm reports for tax purposes
Private payments/gifts/other benefits to Parliamentarians - direct impact [not a
Private payments/gifts/other benefits to Government officials - direct impact [n
Private payments/gifts/other benefits to local/regional officials -direct impact
Working capital - \% Internal funds/retained earnings
Working capital - \% equity
Working capital - \% borrowing from local private commercial banks
Working capital - \% borrowing from foreign banks
Working capital - \% borrowing from state-owned banks including state development
Working capital - \% loans from family/friends
Working capital - \% money lenders or other informal sources
Working capital - \% trade credit from suppliers
Working capital - \% trade credit from customers
Working capital - \% credit cards
Working capital - \% leasing arrangments
Working capital - \% government
Working capital - \% other (specify sources)
Other source of finance for working capital
Fixed assets - \% internal funds/retained earnings
Fixed assets - \% equity
Fixed assets - \% local private commercial banks
Fixed assets - \% borrowing from foreign banks
Fixed assets - \% borrowing from state-owned banks including state development ba
Fixed assets - \% loans from family/friends
Fixed assets - \% money lenders or other informal sources

| q45a22 | byte | $\because 8.0 \mathrm{~g}$ |  |
| :---: | :---: | :---: | :---: |
| q45a23 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a24 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a25 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a26 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a27 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q45a28 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q46a | byte | $\% 8.0 \mathrm{~g}$ | q46a_v |
| q46b1a_r1 | float | $\% 24.0 \mathrm{~g}$ | q46b1a |
| q46b1a_r2 | float | $\% 24.0 \mathrm{~g}$ | q46b1a |
| q46b1a_r3 | float | $\% 24.0 \mathrm{~g}$ | q46b1a |
| q46b1a_r4 | float | $\because 24.0 \mathrm{~g}$ | q46b1a |
| q46b1a_r5 | float | $\% 24.0 \mathrm{~g}$ | q46b1a |
| q46b2 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q46c | int | $\% 8.0 \mathrm{~g}$ |  |
| q46d | float | $\% 9.0 \mathrm{~g}$ |  |
| q46e | int | $\% 8.0 \mathrm{~g}$ |  |
| q46f | byte | $\% 16.0 \mathrm{~g}$ | q46f_v |
| q46g1 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q46g2 | int | $\% 8.0 \mathrm{~g}$ |  |
| q46h | int | $\% 8.0 \mathrm{~g}$ |  |
| q47a | byte | $\% 46.0 \mathrm{~g}$ | q47a |
| q47b1_r1 | float | \% 59.0 g | q47b1 |
| q47b1_r2 | float | $\% 59.0 \mathrm{~g}$ | q47b1 |
| q47b1_r3 | float | $\% 59.0 \mathrm{~g}$ | q47b1 |
| q47b1_r4 | float | $\% 59.0 \mathrm{~g}$ | q47b1 |
| q47b1_r5 | float | $\% 59.0 \mathrm{~g}$ | q47b1 |
| q47b2 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q47c1_r1 | float | $\because 43.0 \mathrm{~g}$ | q47c1 |
| q47c1_r2 | float | $\% 43.0 \mathrm{~g}$ | q47c1 |
| q47c1_r3 | float | $\% 43.0 \mathrm{~g}$ | q47c1 |
| q47c2 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q48a | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q48b | int | \% 20.0 g | yesno |
| q48c | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q49 | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q50ab | float | $\% 9.0 \mathrm{~g}$ |  |

> Fixed assets - \% trade credit from suppliers
> Fixed assets - \% trade credit from customers
> Fixed assets - \% credit cards
> Fixed assets - \% leasing arrangments
> Fixed assets - \% government
> Fixed assets - \% other (specify sources)
> Other source of finance for new investement
> Coollateral required for the most recent bank loan?
> Kind of collateral used (1) [only BEEPS II.5]
> Kind of collateral used (2) [only BEEPS II.5]
> Kind of collateral used (3) [only BEEPS II.5]
> Kind of collateral used (4) [only BEEPS II.5]
> Kind of collateral used (5) [only BEEPS II.5]
> Other kind of collateral
> Approximate value of the collateral required as a percent of the loan value
> Approximate value of the loan's annual cost (rate of interest)
> Duration of the loan in month
> Loan denominated in local or foreign currency?
> The month when the loan was received
> The year when the loan was received
> Days it took from application for the loan to an agreement
> Reason for not having a loan currently
> Main reasons for not applying for a loan (1)
> Main reasons for not applying for a loan (2)
> Main reasons for not applying for a loan (3)
> Main reasons for not applying for a loan (4)
> Main reasons for not applying for a loan (5)
> Other reasons for not applying for a loan
> Main reasons for rejection of loan application (1)
> Main reasons for rejection of loan application (2)
> Main reasons for rejection of loan application (3)
> Other reasons for rejection of a loan application
> Does your firm use international accounting
> standards (IAS)
> Does your firm use US GAAP
> Does your firm use National Accounting Standards
> Does your establishment have its annual financial
> statement reviewed by an exter
> \% of sales settled by cash or bank transfer, over

| q50c | byte | $\% 8.0 \mathrm{~g}$ |  |
| :---: | :---: | :---: | :---: |
| q50d | byte | $\% 8.0 \mathrm{~g}$ |  |
| q50e | byte | $\% 8.0 \mathrm{~g}$ |  |
| q50f | byte | $\% 8.0 \mathrm{~g}$ |  |
| q51ab | float | $\% 9.0 \mathrm{~g}$ |  |
| q51c | byte | $\% 8.0 \mathrm{~g}$ |  |
| q51d | byte | $\% 8.0 \mathrm{~g}$ |  |
| q51e | byte | $\% 8.0 \mathrm{~g}$ |  |
| q51f | byte | $\% 8.0 \mathrm{~g}$ |  |
| q52a1 | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q52a2 | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q52a3 | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q52a4 | int | $\div 20.0 \mathrm{~g}$ | yesno |
| q52b1 | int | $\% 8.0 \mathrm{~g}$ |  |
| q52b2 | byte | \% 8.0 g |  |
| q52b3 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q52b4 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q53a1 | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q53a2 | int | $\div 20.0 \mathrm{~g}$ | yesno |
| q53a3 | int | \% 20.0 g | yesno |
| q53a4 | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q53b1 | byte | $\% 8.0 \mathrm{~g}$ |  |
| q53b2 | byte | \% 8.0 g |  |

the last 12 months [only BEEPS
\% of sales settled by bills of exchange, over the last 12 months
\% of sales settled by debt swaps or offsets, over the last 12 months
\% of sales settled by exchange of goods for goods, over the last 12 months
\% of sales settled by other, over the last 12 months
\% of purchases settled by cash or bank transfer, over the last 12 months [only B
\% of purchases settled by bills of exchange, over the last 12 months
\% of purchases settled by debt swaps or offsets, over the last 12 months
\% of purchases settled by exchange of goods for goods, over the last 12 months
\% of purchases settled by other, over the last 12 months
Utilities: Payment overdue (more than 90 days) Taxes: Payment overdue (more than 90 days) Employees: Payment overdue (more than 90 days) Material input suppliers: Payment overdue (more than 90 days)
Utilities: Overdue payments (more than 90 days) as a \% of annual sales
Taxes: Overdue payments (more than 90 days) as a \% of annual sales
Employees: Overdue payments (more than 90 days) as a \% of annual sales
Material input suppliers: Overdue payments (more than 90 days) as a \% of annual
National government subsidies over the last 36 months
Regional or local government subsidies over the last 36 months
EU subsidies over the last 36 months
Other subsidies over the last 36 months
National government subsidies over the last 36 months, \% of annual sales
Regional or local government subsidies over the last 36 months, \% of annual sal

| q53b3 | byte | \%8.09 |  |
| :---: | :---: | :---: | :---: |
| q53b4 | byte | \%8.0g |  |
| q54a | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54b | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54c | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54d | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54e | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54f | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54 g | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54h | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54i | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54 j | int | \%17.0g | obstacle |
| q54k | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q541 | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54m | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54n | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54o | int | \%17.0g | obstacle |
| q54p | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54q | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54r | int | \%17.0g | obstacle |
| q54s | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54t | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54v | int | $\% 17.0 \mathrm{~g}$ | obstacle |
| q54w | byte | $\because 17.0 \mathrm{~g}$ | obstacle |
| q55a1 | byte | $\because 9.0 \mathrm{~g}$ | increase |
| q55a2 | byte | $\% 9.0 \mathrm{~g}$ | increase |
| q55a3 | byte | $\because 9.0 \mathrm{~g}$ | increase |
| q55a4 | byte | $\because 9.0 \mathrm{~g}$ | increase |
| q55b1 | int | \% 8.0 g |  |
| q55b2 | int | \%8.0g |  |
| q55b3 | int | \% 8.0 g |  |
| q55b4 | int | $\% 8.0 \mathrm{~g}$ |  |
| q56a | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q56b | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q56c | int | $\% 20.0 \mathrm{~g}$ | yesno |
| q57a | long | \%12.0g |  |
| q57b | long | \% 8.0 g |  |

EU subsidies over the last 36 months, \% of annual sales
Other subsidies over the last 36 months, \% of annual sales
Obstacle: Access to financing
Obstacle: Cost of financing
Obstacle: Telecommunication
Obstacle: Electricity
Obstacle: Transportation
Obstacle: Access to land
Obstacle: Title or leasing of land
Obstacle: Tax rates
Obstacle: Tax administration
Obstacle: Customs and trade regulations
Obstacle: Business licensing and permits
Obstacle: Labour regulations
Obstacle: Skills and education of available workers
Obstacle: Economic policy uncertainty
Obstacle: Macroeconomic instability
Obstacle: Functioning of the judiciary
Obstacle: Corruption
Obstacle: Street crime/theft/disorder
Obstacle: Organised crime/Mafia
Obstacle: Anti-competitive practises of other producers
Obstacle: Other (1)
Obstacle: Other (2)
Change in sales over the last 36 months
Change in exports over the last 36 months
Change in fixed assets over the last 36 months
Change in material inputs over the last 36 months
Change in sales. percent in real terms
Change in exports. percent in real terms
Change in fixed assets. percent in real terms
Change in material inputs. percent in real terms
Firm has merged with another firm over the last 3 years
Firm has aquired another firm over the last 3 years
Firm has sold establishment(s) over the last 3 years
Estimated total sales in 2004, in '000 EUR
Estimated replacement value of the physical

| q57d | long | \%12.0g |  | Estimated material input costs and bought in components/services in 2004, in tho |
| :---: | :---: | :---: | :---: | :---: |
| q58a | long | \% 8.0g |  | Spending on new buildings, machinery and equipment in 2004, in '000 EUR |
| q58b | int | \% 8.0g |  | Spending on research and development in 2004, in '000 EUR |
| q58c | long | \% 8.0g |  | Spending on advertising and marketing in 2004, in '000 EUR |
| q59a | byte | \% 8.0g |  | ```% of the total profits in 2003 invested in the firm in 2004``` |
| q59b | byte | \% 8.0g |  | Nothing invested from the profits due to no profit in 2003 |
| q60a1 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Undertaken: Developed sucessfully a major new product line |
| q60a2 | byte | \% 20.0 g | yesno | Undertaken: Upgraded an existing product line |
| q60a3 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Discontinued at least one product line |
| q60a4 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Agreed a new joint venture with foreign partner |
| q60a5 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Obtained a new product licensing agreement |
| q60a6 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Outsourced a major production activity |
| q60a7 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Brought in-house a major production activity |
| q60a8 | byte | $\% 20.0 \mathrm{~g}$ | yesno | Undertaken: Obtained a new quality accreditation |
| q60b1 | int | \% 18.0 g | important2 | Importance:Developed Sucessfully a major new product line |
| q60b2 | int | $\% 18.0 \mathrm{~g}$ | important2 |  |
| q60b3 | int | \% 18.0 g | important2 | Importance: Upgraded an existing product line |
|  |  |  |  | Importance:Discontinued at least one product line |
| q60b4 | int | $\% 18.0 \mathrm{~g}$ | important2 | Importance:Agreed a new joint venture with foreign partner |
| q60b5 | int | $\% 18.0 \mathrm{~g}$ | important2 | Importance:Obtained a new product licensing agreement |
| q60b6 | int | \%18.0g | important 2 |  |
| q60b7 | int | \% 18.0 g | important2 | Importance:Outsourced a major production activity |
|  |  |  |  | Importance: Brought in-house a major production |


| q60b8 | int | \%18.0g | important2 | activity |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Importance:Obtained a new quality accreditation |
| q61a | int | $\% 20.0 \mathrm{~g}$ | yesno | Acquired new production technology over the last 36 months? |
| q61b | byte | \% 64.0 g | q61b_v | The most important way to acquire new technology |
| q62 | int | \%71.0g | q62_v | the organisation of departments |
| q63a | int | $\because 20.0 \mathrm{~g}$ | important3 |  |
|  |  |  |  | Developing new products: Pressure from domestic markets |
| q63b | int | \%20.0g | important3 |  |
|  |  |  |  | Developing new products: Pressure from foreign competitors |
| q63c | int | $\% 20.0 \mathrm{~g}$ | important3 |  |
|  |  |  |  | Developing new products: Pressure from customers |
| q64a | int | \%20.0g | important3 |  |
|  |  |  |  | Reducing production costs: Pressure from domestic markets |
| q64b | int | \%20.0g | important3 |  |
|  |  |  |  | Reducing production costs: Pressure from foreign competitors |
| q64c | int | $\% 20.0 \mathrm{~g}$ | important3 |  |
|  |  |  |  | Reducing production costs: Pressure from customers |
| q65a1 | int | \% 8.0g |  | Current capacity of utilisation of facilities/manpower |
| q65a2 | byte | $\because 8.0 \mathrm{~g}$ |  | Capacity utilisation of facilities/manpower 36 months ago |
| q66a | int | \% 8.0 g |  | Current number of permanent, full-time employees |
| q66b | int | \% 8.0g |  | Number of permanent, full-time employees 36 months ago |
| q67a | long | \%8.0g |  | Current number of part-time or temporary employees |
| q67b | long | \% 8.0g |  | Number of part-time or temporary employees 36 months ago |
| q68a1 | byte | \% 8.0g |  | \% of permanent, full-time workers that are managers, now |
| q68a2 | byte | \%8.0g |  | \% of permanent, full-time workers that are professionals, now |
| q68a3 | byte | \%8.0g |  | \% of permanent, full-time workers that are skilled workers, now |
| q68a4 | byte | \% 8.0g |  | \% of permanent, full-time workers that are unskilled workers, now |
| q68a5 | byte | $\because 8.0 \mathrm{~g}$ |  | \% of permanent, full-time workers that are |


| q68b1 | byte | \%8.0g |
| :---: | :---: | :---: |
| q68b2 | byte | \%8.0g |
| q68b3 | byte | $\because 8.0 \mathrm{~g}$ |
| q68b 4 | byte | \%8.0g |
| q68b5 | byte | $\because 8.0 \mathrm{~g}$ |
| q69a1 | byte | \% 8.0 g |
| q69a2 | byte | $\bigcirc 8.0 \mathrm{~g}$ |
| q69a3 | byte | \% 8.0g |
| q69a4 | byte | \% 8. 0 g |
| q69b1 | byte | \% 8.0g |
| q69b2 | byte | \% 8.0g |
| q69b3 | byte | \%8.0g |
| q69b4 | byte | $\because 8.0 \mathrm{~g}$ |
| q70a | byte | \%8.0g |
| q70b | byte | $\% 8.0 \mathrm{~g}$ |
| q70c | byte | \%8.0g |
| q70d | byte | $\% 8.0 \mathrm{~g}$ |
| q70e | int | \% 8. 0 g |
| q71a1 | int | \% 20.0 g |
| q71a2 | int | $\% 20.0 \mathrm{~g}$ |
| q71a3 | int | $\div 20.0 \mathrm{~g}$ |
| q71b1 | byte | \%8.0g |
| q71b2 | int | \%8.0g |
| q71b3 | int | $\because 8.0 \mathrm{~g}$ |

non-production workers, now
\% of permanent, full-time workers that were managers 36 months ago
\% of permanent, full-time workers that were professionals, 36 months ago
\% of permanent, full-time workers that were skilled workers, 36 months ago
\% of permanent, full-time workers that were unskilled workers, 36 months ago
\% of permanent, full-time workers that were non-production workers, 36 months ag
\% of workforce with education level up to primary school, now
\% of workforce with vocational qualification, now
\% of workforce with secondary school qualification, now
\% of workforce with some university education or higher, now
\% of workforce with education level up to primary school, 36 months ago
\% of workforce with vocational qualification, 36 months ago
\% of workforce with secondary school qualification, 36 months ago
\% of workforce with some university education or higher, 36 months ago
Time to fill a vacancy for managers (weeks)
Time to fill a vacancy for professionals (weeks)
Time to fill a vacancy for skilled workers (weeks)
Time to fill a vacancy for unskilled workers (weeks)
Time to fill a vacancy for non-production workers (weeks)
Training offered for skilled workers?
Training offered for unskilled workers?
Training offered for non-production workers?
\% of skilled workers that received formal training over last 12 months
\% of unskilled workers that received formal training over last 12 months
\% of non-production workers that received formal training over last 12 months


```
s4a:
1 2-10
    2 11-49
    50-99
    4 100-249
    5 250-499
    6 500-999
    7 1000-9999
s4b:
    I Small firm
    2 Medium size
    3 Large firm
s6a:
    -9 Don't know
    1 Austria
    2 Belgium
    Canada
    4 China
    5 Denmark
    F Finland
    7 France
    8 Germany
    9 Greece
10 Italy
11 Japan
12 Korea
1 3 \text { Netherlands}
14 Spain
15 Sweden
16 UK
1 7 \text { USA}
18 Albania
19 Armenia
20 Azerbaijan
2 1 ~ B e l a r u s
2 2 ~ B o s n i a ~ a n d ~ H e r z e g o v i n a ~
23 Bulgaria
2 4 ~ C r o a t i a ~
2 5 \text { Czech Republic}
```

```
26 Estonia
27 FY Yugoslavia
28 FYR Macedonia
2 9 \text { Georgia}
30 Hungary
3 1 ~ K a z a k h s t a n ~
32 Kyrgyz Republic
3 3 ~ L a t v i a
34 Lithuania
35 Moldova
36 Poland
3 7 \text { Romania}
38 Russia
3 9 \text { Slovak Republic}
40 Slovenia
4 1 ~ T a j i k i s t a n
4 2 ~ T u r k e y
4 3 \text { Turkmenistan}
4 4 ~ U k r a i n e
4 5 \text { Uzbekistan}
46 Vietnam
4 7 \text { Thailand}
4 8 ~ P h i l i p p i n e s
49 Indonesia
50 Malaysia
51 Cambodia
52 Other(specify)
s9_v:
1 ~ A t ~ t h i s ~ s i t e
2 Elsewhere in the country
3 In a foreign country
dk:
-98 Don't know/No answer
-9 Don't know
number:
99 99+
q1:
1 Chief Executive/President/Vice President
2 Owner/proprietor
3 Partner
4 \text { Director}
5 General Manager
```

6 Manager
7 Finance Officer
shareno:

|  | 99 99+ shareholders |
| :---: | :---: |
| q4aa: |  |
|  | -9 Don't know |
|  | 1 Individual |
|  | 2 Family |
|  | 3 General Public |
|  | 4 Domestic company |
|  | 5 Foreign company |
|  | 6 Bank |
|  | 7 Investment fund |
|  | 8 Managers of the firm |
|  | 9 Employees of the firm |
|  | 10 Government or government agency |
|  | 11 Other (specify) |
| q5a : |  |
|  | 1 Privatisation of the 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 Other (Specify) |
| important: |  |
|  | -9 Don't know |
|  | 1 Not important |
|  | 2 Slightly important |
|  | 3 Fairly important |
|  | 4 Very important |
|  | 5 Extremly important |
|  | 6 These products cannot be imported |
| q11_v: |  |
|  | 1 Customers would continue to buy in the same quantity |
|  | 2 Customers would buy at slightly lower quantity |
|  | 3 Customers would buy at much lower quantity |
|  | 4 Many would buy from the competitor |
| q12ba_v: ${ }^{\text {d }}$ |  |
|  | 1 None |
|  | 2 1-3 |
|  | 34 or more |

competitor:
99 99+ competitors
q19_v:
1 Continue to purchase in the same quantity
2 Continue to purchase at slightly lower quantity
3 Continue to purchase at much lower quantity
4 Purchase from other suppliers
important2:
-9 Don't know
1 Not important
2 Slightly important
3 Fairly important
4 Very important
5 Extremly important
hourless:
1 One hour or less per day
freq:
-7 Do not know
1 Never
2 Seldom
3 Sometimes
4 Frequently
5 Usually
6 Always
agree:
-7 Don't know
1 Strongly disagree
2 Disagree in most cases
3 Tend to disagree
4 Tend to agree
5 Agree in most cases
6 Stronlgy agree
cases:
99 99+ cases
value:
-7 Not provided
0 No value
1 Minor value
2 Moderate value
3 Major value

```
        4 \text { Critical value}
hours:
        1 1 hour or less
        99 99+ hours
visit:
        99 99+ inspections/meetings
influ:
        -7 Don't know
        O No impact
        1 Minor influence
        2 \text { Moderate influence}
        3 Major influence
        4 \text { Decisive influence}
q46a_v:
        1 Yes
        NO
        No loan
q46b1a:
        Land
        Buildings
        3 Machinery
        4 \text { Personal assets of owner}
        5 Other (specify)
q46f_v:
        1 Local currency
        Foreign currency
q47a:
    1 Did not apply for a loan
    2 ~ T h e ~ a p p l i c a t i o n ~ w a s ~ t u r n e d ~ d o w n
    3 The application for the loans is still pending
q47b1:
    Does not need a loan
    2 ~ A p p l i c a t i o n ~ p r o c e d u r e s ~ a r e ~ t o o ~ b u r d e n s o m e ~
    3 \text { Collateral requirements are too strict}
    Interest rates are too high
    5 \text { It is necessary to make informal payments to get bank loans}
    6 \text { Did not think it would be approved}
    Other (Specify)
q47c1:
1 Lack of acceptable collateral
Perceived lack of profitability of the firm
Inadequate credit history of the firm
```

4 Incompleteness of the loan application
5 Other (specify)

```
obstacle:
    -9 Don't know
    1 No obstacle
    2 \text { Minor obstacle}
    3 Moderate obstacle
    4 Major obstacle
increase:
    1 Increase
    2 Decrease
    3 \text { No change}
q61b_v:
    Embodied in new machinery and equipment
    2 Hired key personnel/consultants with the technological expertise
    3 New license or turnkey operations from international sources
    4 ~ N e w ~ l i c e n s i n g ~ o r ~ t u r n k e y ~ o p e r a t i o n s ~ f r o m ~ d o m e s t i c ~ s o u r c e s
    5 \text { Developed or adapted within the firm}
    6 Transferred from the parent company
    7 \text { Developed in cooperation with customers}
    8 Developed in cooperation with suppliers
    9 Obtained from a business or industry association
10 Obtained from universities or public institutions
q62_v:
    -9 Don't know
    1 Organised in much the same way as it was }36\mathrm{ months ago
    Some reallocation of responsibility and resources between departments
    3 Major reallocations of responsibility and resources between departments
    4 Completely new organisational structure
important3:
    -9 Don't know
    1 \text { Not at all important}
    2 Slightly important
    3 Fairly important
    4 Very important
q75_v:
1 Permission granted
2 Permission refused
a1:
4 1 ~ B u l g a r i a
```

```
44 Albania
46 Croatia
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
70 Estonia
72 Czech Republic
73 Hungary
74 Latvia
75 Lithuania
76 Slovak Republic
77 Slovenia
99 Vietnam
112 Greece
113 Germany
114 Spain
115 Portugal
117 Ireland
118 South Korea
119 Serbia and Montenegro
a1_iso:
8 Albania
31 Azerbaijan
51 Armenia
70 Bosnia and Herzegovina
100 Bulgaria
112 Belarus
191 Croatia
```

203 Czech Republic
233 Estonia
268 Georgia
276 Germany
300 Greece
348 Hungary
372 Ireland
398 Kazakhstan
410 South Korea
417 Kyrgyz Republic
428 Latvia
440 Lithuania
496 Mongolia
498 Moldova
499 Montenegro
616 Poland
620 Portugal
642 Romania
643 Russia
688 Serbia
703 Slovak Republic
704 Vietnam
705 Slovenia
724 Spain
762 Tajikistan
792 Turkey
804 Ukraine
807 FYR Macedonia
860 Uzbekistan
891 Serbia and Montenegro
892 Kosovo under UNSCR 1244

