

# BIBB Establishment Panel on Qualification and Competence Development

Questionnaire for the long dataset

Representative establishment survey of the Federal Institute for Vocational Education and Training (BIBB), conducted by TNS Infratest Sozialforschung (2011 to 2014) and infas Institut für angewandte Sozialwissenschaft GmbH (since 2015)

### Vocational education and training (VET)

| ab001 | Did your establishment employ apprentices on 31.12. last year? |   |                        |  |  |
|-------|--|---|------------------------|--|--|
|       | Yes  |   | <b>□→</b> co           | ntinue with ab002                      |  |
|       | No, we   | employed <b>no apprentices</b> on 31.12. last year  | <b>□→</b> col          | ntinue with ab016                      |  |
| ab002 | And were t   | hese exclusively apprentices in a VET occupation  | on recogni             | sed under the                          |  |
|       | Vocational<br>employed i                                       | Training Act (BBiG) or the Crafts Code (HwO) on VET occupations recognised under other regin, in social care/pedagogical occupations, civil | or were appulations, s | prentices also<br>uch as in the health |  |
|       |  | prentices in recognised VET<br>tions <b>according to BBiG or HwO</b>  | []→ сон                | ntinue with ab003                      |  |
|       | •  | prentices according to BBiG or HwO and<br>cices in other VET occupations  | □→co                   | ntinuing with ab003                    |  |
|       |  | ely apprentices in recognised<br>upations according to others regulations   | <b>□→</b> col          | ntinue with ab016                      |  |
| ab003 | VET occupa   | apprentices did your establishment have on 3<br>tions according to BBiG or HwO?<br>r of apprentices on 31.12. last year:                    | 1.12. last y           | rear in recognised                     |  |
| ab004 | In which VET<br>31.12. last ye                                 | occupations <u>according to BBiG or HwO</u> did your es<br>ear?   | stablishmer            | nt provide VET on                      |  |
|       | a)   | Please first enter the respective exact <u>title of the V</u><br>5 occupations with the <u>most</u> apprentices.                            | /ET occupat            | <u>tion</u> . Please enter up to       |  |
|       | b)   | Please enter for each VET occupation <u>how many a</u><br>had on 31.12. last year.  | pprentices             | your establishment                     |  |
|       |  | ab004_a1_kldb2010_5er   | ]                      | ab004_b1                               |  |
|       |  | ab004_a2_kldb2010_5er   | ]                      | ab004_b2                               |  |
|       |  | ab004_a3_kldb2010_5er   |                        | ab004_b3                               |  |
|       |  |   | _                      |  |  |
|       |  | ab004_a4_kldb2010_5er   | ]                      | ab004_b4                               |  |

| ab009 | Has your establishment hired any new apprentices in the current VET year in accordance with BBiG or HwO? Apprentices whose contract have been terminated in the meantime should <u>not be</u> taken into account here. |   |  |
|-------|--|---|--|
|       | Yes  |   |  |
|       | No   |   |  |
| ab015 | Has your establishment hired any new apprentices in the current VET year in accordance with BBiG or HwO? Apprentices whose contract have been terminated in the meantime should <u>not be</u> taken into account here. |   |  |
|       | Yes  | $\Box \rightarrow$ continue with ab017  |  |
|       | No   | $\Box \rightarrow$ continue with ab016  |  |
| ab016 | Has your establishment offered VET positions for the current VET year in occupations that are regulated by the Vocational Training Act (BBiG) or the Crafts Code (HwO)?  |   |  |
|       | Yes  | $\bigcirc$ $\rightarrow$ continue with ab023*   |  |
|       | No   | $\Box \rightarrow$ continue with ab036  |  |
| ab017 |  | O has your establishment hired for this VET<br>been terminated in the meantime should <u>not</u>                                |  |
|       | Number of newly hired apprentices ac   | cording to BBiG or HwO:   |  |
| ab018 | What is the distribution of newly hired ap   | pprentices in your establishment according to<br>ing certificate? Please indicate the number in                                 |  |
| ab018 | What is the distribution of newly hired ap<br>BBiG or HwO by their highest school-leavi  | oprentices in your establishment according to<br>ing certificate? Please indicate the number in                                 |  |
| ab018 | What is the distribution of newly hired ap<br>BBiG or HwO by their highest school-leaving<br>each case.<br>No school leaving certificate or qualific   | oprentices in your establishment according to<br>ing certificate? Please indicate the number in<br>cation below lower secondary |  |
| ab018 | What is the distribution of newly hired ap<br>BBiG or HwO by their highest school-leaving<br>each case.<br>No school leaving certificate or qualific<br>school:<br>Lower secondary school-leaving certific             | oprentices in your establishment according to<br>ing certificate? Please indicate the number in<br>cation below lower secondary |  |

| ab023 | Please think now of all <u>applicants</u> for VET positions under BBiG or HwO that your<br>establishment has offered for the current VET year. How were these applicants<br>distributed according to their highest school-leaving certificates? Please indicate the<br>number in each case. |  |
|-------|---|--|
|       | If you do not have exact numbers at hand, estimates will suffice.<br>"None." Please enter "0" in each case!   |  |
|       | No school leaving certificate or qualification below lower secondary  |  |
|       | Lower secondry school-leaving certificate (Hauptschule) or  |  |
|       | Intermediate secondary school-leaving certificate (Realschule) or a comparable qualification:   |  |
|       | Higher secondary school-leaving certificate (Abitur or         Fachhochschulreife) or a comparable qualification:   |  |
|       |   |  |
| ab032 | Has your establishment offered VET positions for the current VET year in accordance with BBiG or HwO that could <u>not</u> be filled? Please also take into account the VET positions for the current VET year which have not been filled due to terminated VET contracts.                  |  |
|       | Yes $rightarrow continue with ab033$  |  |
|       | No $\Box \rightarrow$ continue with ab036   |  |
| ab033 | How many of the VET positions offered for the current VET year according to BBiG or<br>HwO could <u>not</u> be filled? Please also take into account the VET positions for the current<br>VET year which have not been filled due to terminated VET contracts.                              |  |
|       | Number of unfilled VET places according to BBiG or HwO:   |  |
| ab034 | How many of the above-mentioned VET positions according to BBiG or HwO for the current VET year are vacant because VET contracts were terminated prematurely?   |  |
|       | Number of vacant VET positions according to BBiG or HwO due to terminated VET contracts:  |  |
| ab036 | Now think about all VET contracts in the past calendar year: Did your establishment terminate VET contracts according to BBiG or HwO prematurely that year?   |  |
|       | Yes $\Box \rightarrow continue with ab037$  |  |
|       | No $\Box \rightarrow continue with ab038$   |  |
| ab037 | How many VET contracts according to BBiG or HwO were terminated prematurely in the past calendar year?  |  |
|       | Number of VET contracts terminated prematurely in the last calendar year according to BBiG or HwO:  |  |

| ab038  | Did apprentices according to BBiG or HwO from your establishment take part in final examinations in the previous calendar year?  |   |  |
|--------|--|---|--|
|        | Yes  | $\Box$ $\rightarrow$ continue with ab039*           |  |
|        | No   | $\Box \rightarrow$ continue with ab057              |  |
| ab039  | How many apprentices according to BBiG or HwO took their final examination in the past calendar year? Please enter the figures separately for industrial-technical and commercial-administrative apprentices. Please state the number in each case.  |   |  |
|        | If "none": Please enter "0" in each case!  | industrial- commercial-<br>technical administrative |  |
|        | Number of apprentices <b>taking their final</b> examination in the last calendar year  |   |  |
| ab041* | And how many of them <b>passed the exam</b> ?<br>None passed   | → continue with ab057                               |  |
| ab043  | What has become of the industrial-technical and commerci apprentices who passed their final examination in the previous set of the s |   |  |
|        | <ul><li>a) How many of the industrial-technical apprentices</li><li>b) How many of the commercial administrative apprentiation</li></ul>   | ntices  |  |
|        | If "none": Please enter "0" in each case!  | industrial- commercial-<br>technical administrative |  |
|        | were retained by your establishment permanently?   |   |  |
|        | were retained by your establishment temporarily?   |   |  |
|        | have left the establishment at their own request?  |   |  |
|        | were not retained for operational reasons?   |   |  |
|        | were not retained because of the examination marks?  |   |  |
|        | have not passed their final examination  |   |  |

| ships according to BBiG or                      |
|---|
| → continue with ab058*<br>→ continue with ab065 |
|   |

ab058 One more question on the reasons for VET according to BBiG or HwO in your establishment. How important are the following motives for your establishment to provide VET? Please use the scale from 1 = completely unimportant to 5 = very important.

|    |   | Very<br>impor-<br>tant | • | Less<br>impor-<br>tant | Completely<br>unimpor-<br>tant |
|----|---|------------------------|---|------------------------|--------------------------------|
| _1 | Train skilled workers who exactly<br>meet the requirements in our establishment   |                        |   |                        |                                |
| _2 | Productive work input of the apprentices<br>during VET                            |                        |   |                        |                                |
| _3 | Recognition by our customers and suppliers  |                        |   |                        |                                |
| _5 | Tradition of our establishment  |                        |   |                        |                                |
| _6 | Train skilled workers who can be employed<br>in our establishment after their VET |                        |   |                        |                                |
| _7 | VET as a joint task of industry   |                        |   |                        |                                |
|    |   |                        |   |                        |                                |

| Given the immigration of refugees, the opportunities and challenges for professional integration of refugees are discussed. Therefore, the following questions will deal with the VET of refugees. By the term refugees, we mean persons who have already been recognised as refugees or who still have the status of asylum seekers or as tolerated persons. |  |   |  |
|---|--|---|--|
| ab065   | Were there any refugees among the apprentices in you   | ur establishment on 31.12. last                 |  |
|   | year?  |   |  |
|   | Yes  | $\rightarrow$ continue with ab066               |  |
|   | No   | → continue with ab066<br>→ continue with ps001* |  |
|   |  |   |  |
| ab066   | And how many of your apprentices according to BBiG refugees?   | or HwO on 31.12. last year are                  |  |
|   | If "none": Please enter "0" in each case!  |   |  |
|   | Number of refugees:  |   |  |
| ab067   | On 31.12. last year, how many refugees did your establishment train in occupations not regulated according to BBiG or HwO, e.g. in the health sector, in social care/pedagogical occupations, civil servant apprentices? |   |  |
|   | If "none": Please enter "0" in each case!  |   |  |
|   | Number of refugees who are not regulated according to  | BBiG or HwO:                                    |  |
| ab068   | How many of these refugees trained according to BBIG or HwO has your establishment hired as new apprentices for the current VET year?  |   |  |
|   | If "none": Please enter "0" in each case!  |   |  |
|   | Number of refugees newly hired:  |   |  |
| ab069   | Has it occured in your establishment that VET contract<br>were concluded with refugees for the current VET year  | •   |  |
|   | Yes  |   |  |
|   | No   |   |  |
|   |  |   |  |
| ab096   | Were there any apprentices with a migration backgrou<br>your firm on 31 December 20XX in accordance with the   |   |  |
|   | By this we mean apprentices who were themselves bo   |   |  |
|   | whose parents was born abroad. Please also consider  |   |  |
|   | Specifically, this definition includes immigrant and nor<br>and non-immigrant naturalised citizens, (late) repatria  |   |  |
|   | these groups born in Germany.  |   |  |
|   | Yes  | $\Box$ $\rightarrow$ continue with ab097        |  |
|   | No   | $\Box \rightarrow$ continue with ps001          |  |
|   |  |   |  |
| ab097   | And how many of the apprentices in your company ac   | cording to BBiG or HwO on                       |  |

31.12.20XX have a migration background?

*If "none": Please enter "0" in each case!* 

Number of apprentices with a migration background

#### Staff structure

|                    | In the following, I have some questions about the staff structure in your<br>establishment. Please continue to refer your details to<br>the local business premises or the local office!<br>In the following, the term "establishment" will again be used uniformly.  |                                |     |
|--------------------|---|--------------------------------|-----|
| ps001*<br>ps001*_v | <ul> <li>a) How many employees did your establishment have at the end of the last calendar year, subdivided by the following groups of employees? Please count part-time employees in full.</li> <li>b) And how many employees did your establishment have at the end of the calendar year before last, subdivided by the following groups of employees? Please count part-time employees in full.</li> </ul> |                                |     |
|                    | Who is subject to social insurance contributions?   |                                |     |
|                    | - Employees subject to social insurance contributions are all workers, e<br>apprentices who are subject to health, pension and/or unemployment<br>whom the employer has to pay pension insurance contributions. This o<br>servants, self-employed, family helpers and the so-called "marginally e   | insurance or<br>loes not inclu | for |
|                    | Who is <u>marginally</u> employed?  |                                |     |
|                    | Marginal employees are those who<br>- either have a monthly salary of maximum €400 (according to the reg<br>of 2012) or maximum €450 (according to the regulation from the begi<br>- or are only employed "on a short-term basis" (i.e. for a maximum of 1<br>maximum of 50 days per year).   | inning of 2013                 | 3)  |
|                    | Please enter "0" for groups that do not occur!  |                                |     |
| svb                | <b>Employees subject to social insurance contributions</b> without apprentices and excluding marginal employees:  | a)                             | b)  |
| ger                | Marginal employees, 400 or 450 € employees, short-term employees:   |                                |     |
| nsv                | Active owners or assisting family members and other<br>employees not subject to social insurance contributions such as<br>civil servants and prospective civil servants:  |                                |     |
| zwi                | Please subtotal all persons employed without apprentices  |                                |     |
| aus                | Apprentices in a recognised<br>VET occupation according to the Vocational Training Act<br>(BBiG) or the Crafts Code (HwO):  |                                |     |
| SOZ                | Apprentices according VET regulations<br>Of the health care system or social<br>And pedagogical professions:  |                                |     |
| bea                | Prospective civil servants:   |                                |     |

| pb001_neu | -   | ew employees in the last calendar year? This     |
|-----------|---|--|
|           |   | rentices or retaining of apprentices and         |
|           | employees from temporary employ                                   | ment contracts:                                  |
|           | Yes   | $\Box \rightarrow$ continue with pb003           |
|           | No  | $\bigcirc$ $\rightarrow$ continue with pb015     |
|           |   |  |
|           |   |  |
| •         | w many new employees did your esta<br>prentices are not included. | blishment hire in the last calendar year?        |
| Apj       | prentices are not included.                                       |  |
| Nui       | mber of new employees hired in the la                             | st calendar year:                                |
|           |   |  |
| _         |   |  |
|           |   | in the last calendar year? Departures of         |
|           | ing maternity, parental leave and the                             | te that the employment relationship continues    |
| uu        | ing materinty, parentai leave and the                             | release phase in partial retirement.             |
| Yes       |   |  |
|           | No  | $\longrightarrow$ continue with ps015*           |
|           |   |  |
|           |   |  |
| pb016 Hov | w many were there in total?                                       |  |
|           | Number of employees who left the e                                | stablishment in the last calendar year:          |
|           | Number of employees who left the e                                |  |
|           |   |  |
| ps015_1 T | he following refers to all your employ                            | yees who are not apprentices as of 31.12. of the |
|           | -   | otal number of employees mentioned in the        |
| p         | revious question: Were you employing                              | ng temporary agency workers on 31.12.?           |
|           | Yes   | $\rightarrow$ continue with ps015_2              |
|           |   | $\rightarrow$ continue with ps017*               |
|           | Nein  |  |
|           |   |  |
| н         | low many were there in total?                                     |  |
|           | Number of temperature states                                      | 1.12 of the provious colondar years              |
| ps015_2   | Number of temporary workers at 3                                  | 1.12. Of the previous calendar year:             |
| ps040     | Interns, volunteers or persons in th                              | e voluntary social year                          |

**ps041** Work or service contract employees who are commissioned for a limited period of time for the creation of a work or project or who regularly provide services and performances on the basis of a freelance service contract or on a fee basis

| ps017* | If you think again of all employees, i.e. excluding apprentices, on 31.12. last year.<br>How many of these employees belong to the following groups? Please also take into<br>account marginally employed persons. |  |
|--------|--|--|
|        | If "none": Please enter "0" in each case!  |  |
|        | Women  |  |
|        | Part-time employees  |  |
|        | Temporary employees  |  |
| ps044  | Employees with an officially recognised severe disability or their equals  |  |
|        |  |  |

ps020\* How were the employees, i.e. excluding apprentices, distributed among the following groups of employees on 31.12. last year? Please state the number in each case. Please also take into account marginal employees.

*This distinction is not concerned with formal vocational qualifications, but about the actual job requirements of the respective employees.* 

Please enter "0" for groups that do not occur.

Employees with unskilled tasks, that usually do not require VET

By this we understand tasks,

which include, for example, simple cleaning, waste disposal, storage, transport or simple sales activities
 and which usually do not require any VET and are carried out, for example, by unskilled and semi-skilled workers.

Employees with qualified tasks, which usually require VET

or equivalent professional experience

By this we understand tasks,

 where, for example, goods and merchandise are produced or repair and maintenance work is carried out in a qualified manner, but also qualified services such as commercial activities or IT work
 and which usually, but not necessarily, require a completed dual VET degree, a school-based VET degree or corresponding work experience and which are carried out, for example, by skilled workers, journeymen or specialist traders.

# **Employees with highly qualified tasks**, which usually require a university or (applied) university degree or a master craftsman, technician or comparable degree By this we understand tasks.

- which include, for example, research, development, analysis, consultancy, design, management, training and organisational tasks

- and which usually, but not necessarily, require an (applied) university degree or a master craftsman's, technician's or comparable qualification and which are usually held by, for example, specialist business administrators, group leaders, scientists, master craftsmen or managers.

| ps030* | P* Regardless of the type ot tasks they carry out: How were employees without<br>apprentices distributed on 31. 12. last year according to their highest school-leaving<br>certificate? Please indicate the number in each case. Please also take into account<br>marginally employed persons. |  |
|--------|--|--|
|        | Please enter "0" for groups that do not occur.   |  |
|        | Employees without a VET degree and without an (applied) university degree  |  |
|        | Employees with a VET degree according to BBiG or HwO   |  |
|        | Employees with a school-based VET degree, e.g. at a vocational college or technical college  |  |
|        | Employees with a master craftsman or technician degree or a comparable advanced VET  |  |
|        | Employees with an (applied) university degree  |  |

ps039 And how many of your mployees with an applied university or an university degree on 31.12.2019 have a bachelor's degree as their highest vocational training qualification?

Employees with a bachelor's degree as their highest professional qualification

The following is about the employment of refugees in your establishment. By the term refugees we mean people who have already been recognised as refugees or who still have the status of asylum seekers or tolerated persons.

mi001a How were these < number MI1a > employees with a migration background distributed among the following employee groups on 31.12.2019? Please state the number in each case. Please also include marginally employed persons.

Employees with a migration background

 $\rightarrow$  continue with mi002\* if greater than zero

mi002\* If you think again about all <number E26a ZWI> employees without apprentices on 31.12. How many of them were employees with a migration background? Please also think of refugees. An estimation is sufficient.

Employees with a migration background with unskilled tasks, that usually do not require VET

Employees with a migration background with qualified tasks, which usually require VET or equivalent professional experience

Employees with a migration background with highly qualified tasks, which usually require a university or technical college degree or a master craftsman, technician or comparable degree

| ps036 | Where there refugees among the employees in your establishment on 31.12. last year? |                                       |  |
|-------|---|---------------------------------------|--|
|       | Yes   | $\frown$ continue with ps037          |  |
|       | No  | $\rightarrow$ continue with pb001_ang |  |
|       |   |                                       |  |

## ps037 And how many of your employees (without apprentices) on 31.12. last year are refugees?

Number of refugees:

I would now like to talk to you again about job offers in your establishment in the previous year.

 $\frown$  continue with ps017\*

pb001\_ang Did your establishment offer jobs in the last calendar year? This does not include VET positions.

Yes

No

pb003\_f How many of the new employees hired in the last calendar year were women?

Number of women:

| pb005* | How are the new workers recruited in the last calendar year distributed among the following groups of employees? Please indicate the number of employees. |                           |          |  |
|--------|---|---------------------------|----------|--|
|        | If a group of employees does not appear, plea   | ise enter "0"!            |          |  |
|        | Number of new employees hired for   |                           |          |  |
|        | unskilled tasks   |                           |          |  |
|        | qualified tasks   |                           |          |  |
|        | highly qualified tasks  |                           |          |  |
|        |   |                           |          |  |
| pb009  | Did one or more positions remain vacant in the previous calendar year due to a lack of or unsuitable applicants? Vacant VET positions are not meant here. |                           |          |  |
|        | Yes   | $\rightarrow$ continue wi | th pb010 |  |

No

pb010 How many vacancies were there in total?

Number of vacant positions in the last calendar year:

| pb011* | How are the vacant positions in the last calendar year distributed over the following qualification requirements? Please indicate the number in each case.  |
|--------|---|
|        | If there are no vacant positions, please enter "0"!   |
|        | Number of vacant positions for  |
|        | unskilled tasks   |
|        | qualified tasks   |
|        | highly qualified tasks  |
| pb017* | I would now like to talk to you about the employees who left the establishment in the<br>last calendar year.<br>How are the employees who left the establishment in the last calendar year<br>distributed among the following groups? Please state the number in each case. |

If a group of employees does not appear, please enter "0"!

Number of employees who left the establishment with...

...unskilled tasks

...qualified tasks

...highly qualified tasks

#### Continuing education and training

| wb001 | Has your establishment promoted advanced VET courses to become a master              |
|-------|--|
|       | craftsman, technician, specialist or business administrator or comparable recognised |
|       | advanced VET courses in the last calendar year by assuming the costs or granting     |
|       | exemption? Please only consider advanced VET courses that lead to a formal advanced  |
|       | VET qualification.   |
|       |  |

| Yes | $\rightarrow$ continue with wb002      |
|-----|--|
| No  | $\Box \rightarrow$ continue with wb008 |

#### wb002 How many employees were there in total? Please do not take apprentices into account and only consider employees who acquire a formal, recognised continuing training qualification with the advanced VET course, e.g. master craftsman, technician, specialist.

Number of employees with participation in advanced VET in the last calendar year:

| wb003* | How were the participants in advanced VET year among the following disciplines? Numb   |  |   |
|--------|--|--|---|
|        | commercial advanced VET according to e.g. to become a business administrator, b  |  | ] |
|        | industrial-technical advanced VET accor<br>e.g. to become a master craftsman/indust  | -  | ] |
|        | advanced VET courses at technical colle<br>economy, design, agriculture, e.g. to becor   |  | ] |
|        | advanced VET, in health and social servi<br>e.g. specialist nurse  | ces,   | ] |
| wb008  | Have employees of your establishment partic<br>measures in the form of internal or external or<br>past calendar year which were subsidised in w<br>through exemption from work or cost absorp  | ourses, seminars or training courses in the vhole or in part by your establishment                 |   |
|        | No   | $\Box$ $\rightarrow$ continue with wb014   |   |
| wb009  | And how many employees in total have taken<br>training measures? Please do not include app   | •  |   |
|        | or in part-time studies.<br>Number of employees:   |  | ] |
| wb010* | or in part-time studies.<br>Number of employees:   | nong the groups of employees with  | ] |
| wb010* | or in part-time studies.<br>Number of employees:<br>And how are these employees distributed a<br>unskilled, qualified and highly qualified task  | nong the groups of employees with  | ] |
| wb010* | or in part-time studies.<br>Number of employees:<br>And how are these employees distributed a<br>unskilled, qualified and highly qualified task<br>case.<br>Please enter "0" for groups that do not occur!<br>Number of continuing training participants a   | nong the groups of employees with<br>s? Please indicate the number in each                         | ] |
| wb010* | or in part-time studies.<br>Number of employees:<br>And how are these employees distributed a<br>unskilled, qualified and highly qualified task<br>case.<br>Please enter "0" for groups that do not occur!<br>Number of continuing training participants a<br>unskilled tasks  | nong the groups of employees with<br>s? Please indicate the number in each                         | ] |
| wb010* | or in part-time studies.<br>Number of employees:<br>And how are these employees distributed a<br>unskilled, qualified and highly qualified task<br>case.<br>Please enter "0" for groups that do not occur!<br>Number of continuing training participants a<br>unskilled tasks<br>qualified atasks  | nong the groups of employees with<br>s? Please indicate the number in each                         | ] |
| wb010* | or in part-time studies.<br>Number of employees:<br>And how are these employees distributed a<br>unskilled, qualified and highly qualified task<br>case.<br>Please enter "0" for groups that do not occur!<br>Number of continuing training participants a<br>unskilled tasks  | nong the groups of employees with<br>s? Please indicate the number in each                         | ] |
| wb010* | or in part-time studies.<br>Number of employees:<br>And how are these employees distributed a<br>unskilled, qualified and highly qualified task<br>case.<br>Please enter "0" for groups that do not occur!<br>Number of continuing training participants a<br>unskilled tasks<br>qualified atasks  | mong the groups of employees with<br>s? Please indicate the number in each<br>umong employees with | ] |
|        | or in part-time studies.<br>Number of employees:<br>And how are these employees distributed a<br>unskilled, qualified and highly qualified task<br>case.<br>Please enter "0" for groups that do not occur!<br>Number of continuing training participants a<br>unskilled tasks<br>qualified atasks<br>highly qualified tasks<br>Have employees in your establishment participants a<br>training, e.g. on-the-job training , information<br>previous calendar year, for which they have to<br>part or for which the costs have been fully or | mong the groups of employees with<br>s? Please indicate the number in each<br>umong employees with | ] |

#### wb017\* What measures have employees participated in over the past year? Please do not

include apprentices.

| Lectures, conferences or further education information events  | Unskilled<br>tasks<br>Yes No | Qualified<br>tasks<br>Yes No | Highly<br>qualified<br>tasks<br>Yes No |  |
|--|------------------------------|------------------------------|--|--|
| Learning and quality circles, learning place group or topic-related working groups   | s 🔲 🗖                        |                              |  |  |
| Instruction or training at the workplace   |                              |                              |  |  |
| Mentor or sponsor programmes, individual counselling, coaching/supervision   |                              |                              |  |  |
| Self-directed learning with the help of media such<br>as e.g. computer-supported self-learning<br>programmes, reference books, internet or<br>educational videos | h 🔲 🗌                        |                              |  |  |

#### Status of technology and automation

Currently the ongoing technological change in the German economy is widely dicussed. We are interested in the extent to which digital technologies are used in your establishment for your business, production and work processes. By digital technologies we mean, for example, technology-supported information and communication systems or automated production, work and business processes in your establishment, which are carried out with the aid of digital technologies such as computers or software programs.

Yes No<sup>Nein</sup>

ΠП

ΠП

- di001\* Which digital technologies are used in your establishment for production, work and business processes?
- \_2 **Digital network technologies to support business and work activities**, e.g. internet, intranet, e-mail, mobile internet, content management systems and similar
- \_3 Computer-controlled systems and digital tools and equipment for the production of products and services, e.g. machine tools, CNC machines, CAD, measuring, analysis and diagnostic equipment
- \_4 **Digital technologies specifically related to services for customers**, such as online ordering and booking systems (business-to-customer e-commerce), advertising of the business in social networks or search engines, customer relationship management (CRM) and similar applications
- \_5 Specifically for networking with suppliers and inter-establishment digital technologies, e.g. Enterprise Resource Management (ERP), Supply Chain Management (SCM), B2B e-commerce
- \_6 **Personnel or work organisation-related technologies**, e.g. personnel management tools, building and facility management tools, controlling tools, quality management, crowdworking, collaboration platforms

| _7      | Digital technologies related to the collection, storage and processing of large amounts of data, e.g. Big Data, cloud computing, internal database systems   |  |
|---------|--|--|
| _8      | Digital technologies related to data security and privacy, e.g. firewall, encryption technologies, password protected USB sticks   |  |
| _11     | Digital technologies that enable a new type of networking of previously individual digital and/or automated processes, e.g. Smart Factory, Internet of Things, Cyber-Physical-Systems                |  |
| _17     | Use of artificial intelligence and machine learning for physical work processes, e.g. deep learning and pattern recognition in production and maintenance, building management or care               |  |
| _18     | <b>Technologies to support project-based and cross-company collaboration</b> ,<br>e.g. collaboration platforms, crowdworking or crowdsourcing, web-based<br>project management for distributed teams |  |
| _19     | New technologies that enable more customised products in small quantities, e.g. additive manufacturing, 3D printing, collaborative lightweight robotics  |  |
| _20     | Use of artificial intelligence and machine learning for non-physical work processes, e.g. deep learning and pattern recognition in marketing, procurement or human resources                         |  |
| _21     | New technologies that enable more customised products in small quantities, e.g. additive manufacturing, 3D printing, collaborative lightweight robotics  |  |
| _22     | <b>Digital devices on employees' bodies, so-called wearables</b> , e.g. smartwatches, AR/VR glasses, smart workwear  |  |
| _23     | <b>Technologies for autonomous transport</b> , e.g. transport drones, self-<br>driving transport robots or vehicles  |  |
| di001*n | From 2020: 3 response categories<br>1 Yes, the technology is currently used in the establishment   |  |
|         | 2 No, the technology is not currently used in the establishment. However, an acquisition is planned.   |  |
|         | 3 No, the technology is not currently used in the establishment. An acquisition is also not planned.   |  |

#### General information about the establishment

| be001* | Finally, I have a few general questions about the establishment.                |        |  |
|--------|---|--------|--|
|        | Which of the following regulations for employees exist in your establishment?   | Yes No |  |
|        | Performance-related remuneration components or financial employee participation |        |  |
|        | Target agreements with employees  |        |  |
|        | Systematic job changes, also called job rotation                                |        |  |
|        | Flexible working hours, e.g. homeoffice or flexitime                            |        |  |
|        | Systematic personnel development or written promotion criteria                  |        |  |
|        | Long-term accounts for working hours  |        |  |
|        | Changing composition of project teams   |        |  |
|        | Measures to reconcile work and family life                                      |        |  |
|        | Provisions for old-age  |        |  |

#### be010\* Did the following changes take place in your establishment in the last calendar year?

| Change in the allocation of responsibilities and areas               | Yes No |
|--|--------|
| Reduction of hierarchical levels                                     |        |
| Relocation of tasks to other premises of your establishment          |        |
| Reduction of the core workforce                                      |        |
| Introduction of new information and communication technologies       |        |
| Introduction of new production and control technologies              |        |
| Closure, outsourcing or spin-off of parts of the business            |        |
| Integration of other establishments or parts of other establishments |        |

## wz Please use the list of industries to indicate the industry to which your establishment belonged on 31.12. of the previous calendar year.

| Manufacturing industry, trade, transport   |           | Services, Administration   |          |
|--|-----------|--|----------|
| Agriculture, forestry and fisheries<br>Mining and quarrying                              | 01<br>02  | Information and communication<br>Publishing; motion picture production,<br>distribution and sales; broadcasting; | 24       |
| Electricity, gas and water supply; sewerage, waste management and remediation activities | 03        | telecommunications, information technology and<br>information services   |          |
| Manufacturing industry   | <u>04</u> | Accommodation and gastronomy   | 25<br>26 |

| Manufacture of food products, beverages and  |    | Financial and insurance services  |          |
|--|----|---|----------|
| tobacco  |    | Economic, scientific and  | 27       |
| Manufacture of <b>textiles</b> , clothing,<br>leather goods and shoes                                  | 05 | professional services, real estate and housing  |          |
| Manufacture of <b>wood products, paper</b> and paperboard and <b>printed products</b>                  | 06 | Legal and tax advice, auditing<br>Administration and management of companies<br>and companies; Management consultancy | 28<br>29 |
| Manufacture of <b>chemical</b> and <b>pharmaceutical</b> products, coke and refined petroleum products | 07 | Architectural and engineering activities;<br>technical consultancy,   | 30       |
| Production of <b>rubber</b> and <b>plastic goods</b>   | 08 | physical and chemical examination   | _        |
| Production of <b>glass</b> and <b>ceramics</b> ;<br>processing of <b>stone</b> and <b>earth</b>        | 09 | Research and development  | 31       |
| Metal production and processing  | 10 | Advertising and market research, design, photography, translation   | 32       |
| Manufacture of fabricated metal products,  | 11 | Veterinary services   | 33       |
| steel and light metal construction   |    | Rental of movable property  | 34       |
| Manufacture of <b>computers</b> , electronic and<br>optical products                                   | 12 | Placement and hiring of workers   | 35       |
| Manufacture of <b>electrical equipment</b>   | 13 | Travel, security and surveillance services,   | 36       |
| Mechanical engineering   | 14 | gardening and landscaping, other economic services  |          |
| Manufacture of <b>motor vehicles</b> and parts of<br>motor vehicles, other transport equipment         | 15 | Education and teaching  | 37       |
| Manufacture of furniture and miscellaneous   | 16 | Health and social services<br>Hospitals and clinics   | 38       |
| <b>articles</b><br>(e.g. jewellery, sports equipment, toys, medical<br>equipment and materials)        |    | Medical practices, physiotherapy, alternative practitioners   | 39       |
| Repair and installation of machines  | 17 | Homes, outpatient social services   | 40       |
| and equipment<br>Construction industry   |    | Other services<br>Arts, Entertainment, Recreation, Sports, Lottery  | 41       |
| Building and civil engineering   | 18 | Repair of data processing equipment and consumer goods  | 42       |
| Preparatory site work, building installation<br>and other building completion                          | 19 | Other, mainly personal services   | 43       |
| Trade  | 20 | (e.g. laundry, hairdresser, sauna)  |          |
| Sale and repair of motor vehicles  | 20 | Non-profit organisations Technologies for<br>autonomous transport, e.g. transport drones,                             | 44       |
| Wholesale and trade brokering  | 21 | self-driving transport robots or vehicles,<br>Public administration   |          |
| Retail trade, petrol stations  | 22 | Representations of interests, associations, church  |          |
| Transport and storage car parks, railway stations, freight handling, postal, courier and               | 23 | and other religious associations  | _        |
| express services   |    | Public administration and defence; compulsory<br>social security  | 45       |
|  |    | Other, that is:   | 46       |

## be018\* Please indicate the type of business and the business volume for the last financial year - usually the previous calendar year.

| Type of firm:  | Business volume in Euro           |
|--|-----------------------------------|
| Bank/credit institution (business volume: gross interest and commission income and trading profit) | $\rightarrow$ continue with be023 |
| Insurance (business volume: gross premium income)  | $\rightarrow$ continue with be023 |
| Other (private) business (business volume: turnover<br>excluding VAT)<br>→ first be043             | $\rightarrow$ continue with be020 |
| Non-profit organisation, local authority,<br>office (volume of business: budget volume)            | $\rightarrow$ continue with be023 |

#### be043 Is your business...

... an independent, autonomous establishment or institution without subsidiaries elsewhere.

... the head office or central administration of an establishment or institution with subsidiaries, offices or branche offices elsewhere.

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... a subsidiary/department or branch office of a larger establishment or institution.

## be020 How large was the share of your foreign turnover as a proportion of total turnover in the last financial year?

If no foreign turnover in the last financial year: Please enter "0"! Please specify only for the surveyed operating office (e.g. not for a larger office together with other sites).

If you do not have exact figures at hand, estimates suffice.

Share of foreign turnover in the last financial year in percent:

#### be021 What proportion of turnover was accounted for by preliminary work and external costs in the last calendar year? This refers to all raw materials, consumables and supplies, merchandise, contract work, external services, rents and leases, other costs purchased from other establishents or institutions.

If you do not have exact figures at hand, estimates suffice.

Share of preliminary work and external costs in turnover in the last calendar year approx.:

be023 How high was the sum of all investments in your establishment in the last financial year?

If you do not have exact figures at hand, estimates suffice.

approx.: Euro

| be026* | What was the average gross wage or the average gross salary of a full-time employee<br>in the following groups of employees in December of last year, please exclude the<br>employer's social security contribution and special payments such as the Christmas<br>bonus, the so-called 13th month's salary? |
|--------|---|
|        | If you do not have exact figures at hand, estimates suffice.  |
|        | Employees with unskilled tasks: Euro  |
|        | Employees with qualified tasks: Euro  |
|        | Employees with highly qualified tasks: Euro   |
| be032  | Does your establishment have a sectoral collective agreement or an in-house or establishment collective agreement?  |
|        | Multiple answers possible Yes No  |
|        | A sectoral agreement  |
|        | An in-house or establishment agreement  |
| be034  | Did your establishment have a works council or staff council elected under the Works<br>Cnstitution Act or the Staff Representation Act in the last calendar year?  |
|        | Yes   |
|        | No  |
| be035* | Which chamber area does your establishment belong to  |
|        | Industry and trade  |
|        | Handicrafts   |
|        | Agriculture   |
|        | Liberal professions   |
|        | Housekeeping  |
|        | Public service  |
| be041  | In which year was your establishment founded?   |
|        | In the year:  |
| bo016* | Now we have a few more questions for you personally. In which<br>function do you yourself work in your company?<br>1: Owner/partner<br>2: Managing director/authorised signatory<br>3: Plant/works/branch manager   |

- 4: Head of Human Resources/Head of Personnel Development
- 5: Training manager
- 6: Head of a specialised department/head of department
- 7: Commercial manager
- 8: Other