

# German Standardization Panel Survey 2024

THE GERMAN STANDARDISATION PANEL 2024

## Welcome to the German Standardization Panel Survey!

### General information

#### What is the aim of the survey?

*The goal of the German Standardization Panel is to record the standardization strategies of German companies. The survey serves as a source of information for future decisions by both the standard-setting organizations and the stakeholders active in standardization, and by companies that were not yet involved in standardization.*

*The German Standardization Panel also intends to collect long-term data, which will be available for standardization research. The annual survey always begins on October 14, World Standards Day.*

*The German Standardization Panel is conducted by the department of Innovation Economics at the Technical University of Berlin on behalf of DIN (German Institute for Standardization) and DKE (German Commission for Electrical Engineering Electronics and Information Technologies). It is under the patronage of the German Federal Ministry of Economics and Climate Action (BMWK).*

### Structure of the questionnaire

The questionnaire is structured along the following major themes:

- **Importance of standards:** Questions on the importance, use, and implementation of standards, as well as on other aspects of technical rules.
- **Standardization activities:** Questions about the use of resources for standards and Standardization activities
- **General information:** Questions about the general characteristics of your organization, including, but not limited to, information that can be found in your annual report
- **Special Section: SMART Standards, Standardization as an instrument of**

## self-administration

### What is your immediate benefit?

After completing the survey, the results will become available at first exclusively to the survey participants, who can compare themselves against all other responses. Later, after we have analyzed all your answers, we generate a research report that will be openly available.

### Important Information

- You can participate in the survey until December 31, 2024
- By logging in, **you can edit or save the survey several times** and thus supplement your information, until it is completed.
- To complete the questionnaire, you must enable **JavaScript** in your browser.
- You can complete the survey with the current versions of all common internet browsers.
- Completing the questionnaire **takes about 30 minutes**.
- In addition to entering data with the mouse, **you can use the tab and arrow keys** as a convenient alternative to making your entries quickly.
- **All data will be treated with absolute confidentiality and only be used anonymously for statistical evaluations following the General Data Protection Regulation.**

### Contact

For further information on the project, please visit this information site on the [German Standardization Panel](#).

If you have further questions, please contact:

Prof. Dr. Knut Blind, Fraunhofer Institute for Systems and Innovation Research

or Luzie Kromer, Chair of Innovation Economics, Technische Universität Berlin

Tel.: (030) 314 - 76638

[dnp@inno.tu-berlin.de](mailto:dnp@inno.tu-berlin.de)

Technical University Berlin

Straße des 17. Juni 135

D-10623 Berlin

[Privacy policy](#)

There are 88 questions in this survey.

## 1. Information about the participating organisation and the person completing the questionnaire

{if(A1 == "02","the point of view of your business group",if(A1 == "01","the point of view of your company","your point of view"))}

{if(A1 == "02","the whole business group",if(A1 == "01","the company","the company"))}

{if(A1=="02","your business group",if(A1=="01","your company", "a typical company in your industry"))}

{if(A1 == "02","in the business group",if(A1 == "01","in the company","in the company"))}

{if(A1=="02","your company group sees",if(A1=="01","your company sees", "you see"))}

{if(A1=="02","your business group",if(A1=="01","your company", "a typical company in your industry"))}

{if(A1 == "02","in your business group",if(A1 == "01","in your company","of a typical company in your industry"))}

{if(A1 == "02","success of your business group","company success")}

{if(A1=="02","your business group",if(A1=="01","your company", "a typical company in your industry"))}

**From which point of view will you be answering the following questions? \***

Please choose **only one** of the following:

- The view of the organisation
- The view of the business group
- My expertise as an individual

This is a mandatory field as your answer affects the following questions and the evaluation of your answers. Please answer for your company or your business group if possible.

**Does your organisation/ company belong to a group of organisations/ companies or an association of several organisations/ companies? \***

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Please choose **only one** of the following:

- Yes, a national business group with headquarters in Germany
- Yes, an international business group with headquarters in Germany
- Yes, an international business group with headquarters abroad
- No, an individual enterprise with headquarters in Germany
- No, an individual enterprise with headquarters abroad

Please choose one of the following answers

## In which country are your headquarters located? \*

Only answer this question if the following conditions are met:

Answer was 'No, an individual enterprise with headquarters abroad' *or* 'Yes, an international business group with headquarters abroad' at question ' [A2]' (Does your organisation/ company belong to a group of organisations/ companies or an association of several organisations/ companies?)

Choose one of the following answers

Please choose **only one** of the following:

- Afghanistan
- Åland Islands
- Albania
- Algeria
- American Samoa
- Andorra
- Angola
- Anguilla
- Antarctica
- Antigua And Barbuda
- Argentina
- Armenia
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin
- Bermuda
- Bhutan
- Bolivia
- Bosnia And Herzegovina
- Botswana
- Bouvet Island
- -

- Brazil
- British Indian Ocean Territory
- Brunei Darussalam
- Bulgaria
- Burkina Faso
- Burundi
- Cambodia
- Cameroon
- Canada
- Cape Verde
- Cayman Islands
- Central African Republic
- Chad
- Chile
- China
- Christmas Island
- Cocos (Keeling) Islands
- Colombia
- Comoros
- Congo
- Congo, The Democratic Republic Of The
- Cook Islands
- Costa Rica
- Cote D'ivoire
- Croatia
- Cuba
- Cyprus
- Czechia
- Denmark
- Djibouti
- Dominica
- Dominican Republic
- Ecuador
- Egypt
- El Salvador
- Equatorial Guinea
- Eritrea
- Estonia
- Ethiopia
- Falkland Islands (Malvinas)
- Faroe Islands
- Fiji
- Finland
- France
- French Guiana
- French Polynesia
- French Southern Territories
- Gabon
- Gambia
- Georgia
- Germany
- Ghana
-

- Gibraltar
- Greece
- Greenland
- Grenada
- Guadeloupe
- Guam
- Guatemala
- Guernsey
- Guinea
- Guinea-bissau
- Guyana
- Haiti
- Heard Island And Mcdonald Islands
- Holy See (Vatican City State)
- Honduras
- Hong Kong
- Hungary
- Iceland
- India
- Indonesia
- Iran, Islamic Republic Of
- Iraq
- Ireland
- Isle Of Man
- Israel
- Italy
- Jamaica
- Japan
- Jersey
- Jordan
- Kazakhstan
- Kenya
- Kiribati
- Korea, Democratic People's Republic Of
- Korea, Republic Of
- Kuwait
- Kyrgyzstan
- Lao People's Democratic Republic
- Latvia
- Lebanon
- Lesotho
- Liberia
- Libyan Arab Jamahiriya
- Liechtenstein
- Lithuania
- Luxembourg
- Macao
- Macedonia, The Former Yugoslav Republic Of
- Madagascar
- Malawi
- Malaysia
- Maldives
-

- Mali
- Malta
- Marshall Islands
- Martinique
- Mauritania
- Mauritius
- Mayotte
- Mexico
- Micronesia, Federated States Of
- Moldova, Republic Of
- Monaco
- Mongolia
- Montenegro
- Montserrat
- Morocco
- Mozambique
- Myanmar
- Namibia
- Nauru
- Nepal
- Netherlands
- Netherlands Antilles
- New Caledonia
- New Zealand
- Nicaragua
- Niger
- Nigeria
- Niue
- Norfolk Island
- Northern Mariana Islands
- Norway
- Oman
- Pakistan
- Palau
- Palestinian Territory, Occupied
- Panama
- Papua New Guinea
- Paraguay
- Peru
- Philippines
- Pitcairn
- Poland
- Portugal
- Puerto Rico
- Qatar
- Reunion
- Romania
- Russian Federation
- Rwanda
- Saint Helena
- Saint Kitts And Nevis
- Saint Lucia
-

- Saint Pierre And Miquelon
- Saint Vincent And The Grenadines
- Samoa
- San Marino
- Sao Tome And Principe
- Saudi Arabia
- Senegal
- Serbia
- Seychelles
- Sierra Leone
- Singapore
- Slovakia
- Slovenia
- Solomon Islands
- Somalia
- South Africa
- South Georgia And The South Sandwich Islands
- Spain
- Sri Lanka
- Sudan
- Suriname
- Svalbard And Jan Mayen
- Swaziland
- Sweden
- Switzerland
- Syrian Arab Republic
- Taiwan, Province Of China
- Tajikistan
- Tanzania, United Republic Of
- Thailand
- Timor-leste
- Togo
- Tokelau
- Tonga
- Trinidad And Tobago
- Tunisia
- Turkey
- Turkmenistan
- Turks And Caicos Islands
- Tuvalu
- Uganda
- Ukraine
- United Arab Emirates
- United Kingdom
- United States
- United States Minor Outlying Islands
- Uruguay
- Uzbekistan
- Vanuatu
- Venezuela
- Viet Nam

**Please state the main sector of your organisation in 2023. If you answer as a private person please indicate the sector of your main occupation, i.e. for which sector your answers are representative: \***

Please choose **only one** of the following:

- Agriculture, forestry and fishing
- Mining and quarrying
- Consumer Goods Production
- Chemical and Pharmaceutical Industry
- Metal Production
- Electrical Engineering
- Medical Engineering
- Mechanical Engineering
- Automotive Engineering
- Energy, Water, and Oil
- Construction
- Wholesale and retail trade; repair of motor vehicles and motorcycles
- Transporting and storage
- Information and Communication
- Professional and scientific activities
- Public administration and defence; compulsory social security
- Human health and social work activities
- Other service activities
- Activities of extraterritorial organisations and bodies
- Optics
- Plant construction
- Manufacture of other non-metallic mineral products
- Certification and testing
- Education, activities of membership organisations
- Other

Please choose one of the following answers

**Please state the full name of {A2RDcalcDAS}.**

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Please write your answer here:

## If you have any comments on this question group, we welcome your feedback:

Please write your answer here:

## 2. General significance of standards and specifications

*Explanation of the standard types:*

The following section contains questions about the relevance, the use, and the implementation of norms and standards, as well as other aspects of technical rules. A distinction is made between formal standards, technical rules or specifications, consortia standards, de-facto standards and company standards.

- **Formal standards** are developed in the committees of the national standardisation bodies/ national SDO (standard development organisations) in full consensus of all interested parties. Examples at international level are ISO/IEC or EN standards.
- **Technical Specifications** (e.g., AFNOR Cahiers Techniques, CWA, DIN SPEC, or UNI/PdR ) are developed by experts in formal standardisation organisations (e.g., AFNOR, BSI, or DIN), **but, like technical rules, are not adopted in full consensus decisions** (by associations such as CNI, FEANI, VDI, VDMA, or VDE). Other examples are IWA, CWA, TS, TRs or PAS.
- Informal **consortia standards** are developed by a select group of companies in consortia (and thus outside the formal standardisation organisations).
- **De-facto standards** are **not** developed by consortia, but result from the demand behavior in the market (e.g., Microsoft Office, Word, PDF).
- **Internal company standards** are developed within a company and are used company-specifically by the company itself or by cooperating companies (e.g., suppliers).
- **External company standards** are company standards originally developed by other companies (e.g., purchasers / buyers) and then introduced internally.

## How important are the following types of standards established at a national level for {A2RDcalcNOMAKK}? \*

Please choose the appropriate response for each item:

	-3 (very unimportant)	-2	-1	0	+1	+2	+3 (very important)
Formal standards							
Technical rules or specifications							

	-3 (very unimportant)	-2	-1	0	+1	+2	+3 (very important)
<b>Informal consortia standards</b>							
<b>De-facto standards</b>							

Assessment on a scale from -3 (very unimportant) to +3 (very important)

(various standard types are explained in the help text above)

## How important are the following types of standards established at a European level for {A2RDcalcNOMAKK}? \*

Please choose the appropriate response for each item:

	-3 (very unimportant)	-2	-1	0	+1	+2	+3 (very important)
<b>Formal standards</b>							
<b>Technical rules or specifications</b>							
<b>Informal consortia standards</b>							
<b>De-facto standards</b>							

Assessment on a scale from -3 (very unimportant) to +3 (very important)

(various standard types are explained in the help text above)

## How important are the following types of standards established at an international level for {A2RDcalcNOMAKK}? \*

Please choose the appropriate response for each item:

	-3 (very unimportant)	-2	-1	0	+1	+2	+3 (very important)
<b>Formal standards</b>							
<b>Technical rules or specifications</b>							
<b>Informal consortia standards</b>							
<b>De-facto standards</b>							

Assessment on a scale from -3 (very unimportant) to +3 (very important)

(various standard types are explained in the help text above)

## How important are internal and external company standards for {A2RDcalcNOMAKK}?

Please choose the appropriate response for each item:

	-3 (very unimportant)	-2	-1	0	+1	+2	+3 (very important)
<b>Internal company standards</b>							
<b>External company standards</b>							

Assessment on a scale from -3 (very unimportant) to +3 (very important)

**Please indicate the number of standards implemented by {A2RDcalcNOMAKK} in 2023.**

Please choose the appropriate response for each item:

	0	1 - 10	11 - 100	101 - 1.000	> 1.000
<b>Formal standards (e.g. national, EN, ISO, IEC, ETSI, ITU standards)</b>					
<b>Technical rules or specifications (e.g. guidelines issued or specifications)</b>					
<b>Informal consortia standards (e.g. like W3C, OASIS, IEEE, ASTM, OECD, Codex Al- imentarius, UNECE, EFSA, OGC, CIPM, IFCC, ICRM, IAEA, ....)</b>					
<b>De-facto standards</b>					
<b>Internal company standards</b>					
<b>External company standards</b>					

We are consulting you on the 2023 financial year, as this has already been completed.

**Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023.**

Please choose the appropriate response for each item:

	Yes	No
<b>ISO 9001 (Quality management system standard)</b>		
<b>ISO 14001 (Environmental management system standard)</b>		
<b>ISO/IEC 27001 (Information security management system standard)</b>		
<b>ISO 50001 (Energy management system standard)</b>		

Yes

No

**ISO 42001 (AI management  
system standard)**

**ISO 56001 (Innovation  
management system standard)**

**Other**

## **In which year did {A2RDcalcNOMAKK} first receive the ISO 9001 certification?**

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 9001 (Quality management system standard)))

Your answer must be between 1987 and 2024

Only an integer value may be entered in this field.

Please write your answer here:

•

Please enter the year of initial certification

## **Is {A2RDcalcNOMAKK} planning on completing the ISO 9001 certification?**

Only answer this question if the following conditions are met:

Answer was 'No' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 9001 (Quality management system standard)))

Please choose **only one** of the following:

- Yes
- No

Please choose one of the following answers

## **In which year did {A2RDcalcNOMAKK} first receive the ISO 14001 certification?**

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 14001 (Environmental management system standard)))

Your answer must be between 1996 and 2024

Only an integer value may be entered in this field.

Please write your answer here:

•

Please enter the year of initial certification

## Is {A2RDcalcNOMAKK} planning on completing the ISO 14001 certification?

Only answer this question if the following conditions are met:

Answer was 'No' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 14001 (Environmental management system standard)))

Please choose **only one** of the following:

- Yes
- No

Please choose one of the following answers

## In which year did {A2RDcalcNOMAKK} first receive the ISO/IEC 27001 certification?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO/IEC 27001 (Information security management system standard)))

Your answer must be between 2005 and 2024

Only an integer value may be entered in this field.

Please write your answer here:

- 

Please enter the year of initial certification

## Is {A2RDcalcNOMAKK} planning on completing the ISO/IEC 27001 certification?

Only answer this question if the following conditions are met:

Answer was 'No' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO/IEC 27001 (Information security management system standard)))

Please choose **only one** of the following:

- Yes
- No

Please choose one of the following answers

## In which year did {A2RDcalcNOMAKK} first receive the ISO 50001 certification?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 50001 (Energy management system standard)))

Your answer must be between 2011 and 2024

Only an integer value may be entered in this field.

Please write your answer here:

•

Please enter the year of initial certification

## Is {A2RDcalcNOMAKK} planning on completing the ISO 50001 certification?

Only answer this question if the following conditions are met:

Answer was 'No' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 50001 (Energy management system standard)))

Please choose **only one** of the following:

- Yes
- No

Please choose one of the following answers

## In which year did {A2RDcalcNOMAKK} first receive the ISO 42001 certification?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 42001 (AI management system standard)))

Your answer must be between 2023 and 2024

Only an integer value may be entered in this field.

Please write your answer here:

•

Please enter the year of initial certification

## Is {A2RDcalcNOMAKK} planning on completing the ISO 42001 certification?

Only answer this question if the following conditions are met:

Answer was 'No' at question '[B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 42001 (AI management system standard)))

Please choose **only one** of the following:

- Yes
- No

Please choose one of the following answers

## **In which year did {A2RDcalcNOMAKK} first receive the ISO 56001 certification?**

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '[B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 56001 (Innovation management system standard)))

Your answer must be 2024

Only an integer value may be entered in this field.

Please write your answer here:

- 

Please enter the year of initial certification

## **Is {A2RDcalcNOMAKK} planning on completing the ISO 56001 certification?**

Only answer this question if the following conditions are met:

Answer was 'No' at question '[B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 56001 (Innovation management system standard)))

Please choose **only one** of the following:

- Yes
- No

Please choose one of the following answers

## **Please indicate which other certifications your company obtained in 2023.**

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '[B6]' (Please indicate whether or not {A2RDcalcNOMAKK} was certified according to the following ISO standards in 2023. (ISO 42001 (AI management system standard)))

Please write your answer(s) here:

- Other Management System Standard
- Other Management System Standard
- Other Management System Standard
- Other Management System Standard
- Other Management System Standard

**If you have any comments on this question group, we welcome your feedback:**

Please write your answer here:

### 3. Specific significance of standards and specifications

Please assess the impact of standards on various factors relevant to {A2RDcalcERF}.

**Please assess the impact of various types of standards on legal security.**

Please choose the appropriate response for each item:

	-3 (very negative)	-2	-1	0 (no impact)	+1	+2	+3 (very positive)
Formal standards							
Technical rules or specifications							
Informal consortia standards							
De-facto standards							
Internal company standards							

-3 (very negative)   -2   -1   0 (no impact)   +1   +2   +3 (very positive)

### External company standards

By legal security, we mean that standards ensure companies comply with the legal framework, enabling them to sell their products in a legally secure manner without unexpected obstacles.

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various standards on the fulfillment of market entry conditions.

Please choose the appropriate response for each item:

-3 (very negative)   -2   -1   0 (no impact)   +1   +2   +3 (very positive)

Formal standards

Technical rules or specifications

Informal consortia standards

De-facto standards

Internal company standards

External company standards

By fulfilling market entry conditions, we mean that standards help companies meet the necessary requirements to successfully introduce their products or services into a market.

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various standards on the realisation of technical interoperability (hardware or software).

Please choose the appropriate response for each item:

-3 (very negative)   -2   -1   0 (no impact)   +1   +2   +3 (very positive)

Formal standards

Technical rules or specifications

Informal consortia standards

De-facto standards

Internal company standards

External company standards

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various standards on the increase in productivity (including cost reduction).

Please choose the appropriate response for each item:

	-3 (very negative)	-2	-1	0 (no impact)	+1	+2	+3 (very positive)
<b>Formal standards</b>							
<b>Technical rules or specifications</b>							
<b>Informal consortia standards</b>							
<b>De-facto standards</b>							
<b>Internal company standards</b>							
<b>External company standards</b>							

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various standards on the improvement of quality.

Please choose the appropriate response for each item:

	-3 (very negative)	-2	-1	0 (no impact)	+1	+2	+3 (very positive)
<b>Formal standards</b>							
<b>Technical rules or specifications</b>							
<b>Informal consortia standards</b>							
<b>De-facto standards</b>							
<b>Internal company standards</b>							
<b>External company standards</b>							

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various standards on the competitiveness regarding direct business rivals.

Please choose the appropriate response for each item:

	-3 (very negative)	-2	-1	0 (no impact)	+1	+2	+3 (very positive)
<b>Formal standards</b>							
<b>Technical rules or specifications</b>							
<b>Informal consortia standards</b>							
<b>De-facto standards</b>							
<b>Internal company standards</b>							
<b>External company standards</b>							

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various standards on the effectiveness of research, development, and innovation activities.

Please choose the appropriate response for each item:

	-3 (very negative)	-2	-1	0 (no impact)	+1	+2	+3 (very positive)
Formal standards							
Technical rules or specifications							
Informal consortia standards							
De-facto standards							
Internal company standards							
External company standards							

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various standards on the bargaining position regarding suppliers and customers.

Please choose the appropriate response for each item:

	-3 (very negative)	-2	-1	0 (no impact)	+1	+2	+3 (very positive)
Formal standards							
Technical rules or specifications							
Informal consortia standards							
De-facto standards							
Internal company standards							
External company standards							

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various types of standards on your organisation's sustainability.

Please choose the appropriate response for each item:

	-3 (very negative)	-2	-1	0 (no impact)	+1	+2	+3 (very positive)
Formal standards							
Technical rules or specifications							
Informal consortia standards							
De-facto standards							
Internal company standards							

-3 (very negative)    -2    -1    0 (no impact)    +1    +2    +3 (very positive)

### External company standards

Assessment on a scale from -3 (very negative) to +3 (very positive)

## Please assess the impact of various types of standards on the organisation's resilience.

Please choose the appropriate response for each item:

-3 (very negative)    -2    -1    0 (no impact)    +1    +2    +3 (very positive)

**Formal standards**

**Technical rules or specifications**

**Informal consortia standards**

**De-facto standards**

**Internal company standards**

**External company standards**

Organizational resilience is the ability of a company to withstand external shocks or upheavals in the social, economic, or political environment and to adapt to new conditions (Gabler Wirtschaftslexikon, 2022).

Assessment on a scale from -3 (very negative) to +3 (very positive)

## If you have any comments on this question group, we welcome your feedback:

Please write your answer here:

## 4. Standardisation activities

The following section contains questions regarding the resource input necessary for standardisation work.

## In how many standardisation organisations was {A2RDcalcNOMAKK} represented in 2023? \*

Please choose the appropriate response for each item:

	0	1	2 - 5	6 - 10	> 10
<b>DIN (German Institute for Standardisation e. V.)</b>					
<b>DKE (German Commission for Electrotechnical Electronic &amp; Information Technologies)</b>					
<b>CEN (European Committee for Standardisation)</b>					
<b>CENELEC (European Committee for Electrotechnical Standardisation)</b>					
<b>ETSI (European Telecommunications Standards Institute)</b>					
<b>ISO (International Organisation for Standardisation)</b>					
<b>IEC (International Electrotechnical Commission)</b>					
<b>ITU (International Telecommunication Union)</b>					

Please indicate in how many committees of the following institutions {A2RDcalcNOMAKK} was active in 2023.

## In how many standardisation organisations is {A2RDcalcNOMAKK} currently represented? \*

Please choose the appropriate response for each item:

	0	1	2 - 5	6 - 10	> 10
<b>DIN (German Institute for Standardisation e. V.)</b>					
<b>DKE (German Commission for Electrotechnical Electronic &amp; Information Technologies)</b>					
<b>CEN (European Committee for Standardisation)</b>					
<b>CENELEC (European Committee for Electrotechnical Standardisation)</b>					
<b>ETSI (European Telecommunications Standards Institute)</b>					

0

1

2 - 5

6 - 10

&gt; 10

**ISO (International  
Organisation for  
Standardisation)**

**IEC (International  
Electrotechnical Commission)**

**ITU (International  
Telecommunication Union)**

Please indicate in how many committees of the following institutions {A2RDcalcNOMAKK} has been active since the beginning of the year.

## **Was {A2RDcalcNOMAKK} represented in standardisation consortia in 2023?**

Please choose the appropriate response for each item:

0

1

2 - 5

6 - 10

&gt; 10

**National consortia**

**European consortia**

**International consortia**

Please state in how many consortia {A2RDcalcNOMAKK} was active at various regional levels in 2023.

## **Is {A2RDcalcNOMAKK} currently represented in standardisation consortia?**

Please choose the appropriate response for each item:

0

1

2 - 5

6 - 10

&gt; 10

**National consortia**

**European consortia**

**International consortia**

Please state in how many consortia {A2RDcalcNOMAKK} was active at various regional levels since the beginning of this year.

## **In which specific standardisation consortia was {A2RDcalcNOMAKK} represented?**

Only answer this question if the following conditions are met:

----- Scenario 1 -----

Answer was '> 10' or '6 - 10' or '2 - 5' or '1' at question ' [D11]' (Was {A2RDcalcNOMAKK} represented in standardisation consortia in 2023? \$(document).ready(function(){ var qid = "13040"; \$('#question'+qid+'.answer\_cell\_00SQ001 option[value=1]').text('Yes'); \$('#question'+qid+'.answer\_cell\_00SQ001 option[value=2]').text('No'); \$('#question'+qid+'.answer\_cell\_00SQ001 option[value=3]').text('N/A'); \$('#question'+qid+'.answer\_cell\_00SQ001 option[value=4]').text('').remove(); \$('#question'+qid+'.answer\_cell\_00SQ001 option[value=5]').text('').remove(); \$('#question'+qid+'.answer\_cell\_00SQ001 option[value=6]').text('').remove(); \$('#question'+qid+'.answer\_cell\_00SQ001 option[value=7]').text('').remove(); \$('#question'+qid+'.answer\_cell\_00SQ001 option[value=8]').text('').remove(); \$('#question'+qid+'.answer\_cell\_00SQ001

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option[value=9]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ001
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option[value=12]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ001
option[value=13]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ001
option[value=14]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ001
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option[value=30]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ001
option[value=31]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ002 option[value=]').text('N/
A'); $('#question'+qid+' .answer_cell_00SQ002 option[value=31]').text('> 30'); }); (National consortia)
----- or Scenario 2 -----
```

```
Answer was '> 10' or '6 - 10' or '2 - 5' or '1' at question ' [D11]' (Was {A2RDcalcNOMAKK} represented
in standardisation consortia in 2023? $(document).ready(function(){ var qid = "13040";
$('#question'+qid+' .answer_cell_00SQ001 option[value=1]').text('Yes'); $('#question'+qid+'
.answer_cell_00SQ001 option[value=2]').text('No'); $('#question'+qid+' .answer_cell_00SQ001
option[value=]').text('N/A'); $('#question'+qid+' .answer_cell_00SQ001
option[value=3]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ001
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option[value=28]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ001
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option[value=31]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ002 option[value=]').text('N/
A'); $('#question'+qid+' .answer_cell_00SQ002 option[value=31]').text('> 30'); }); (European consortia))
----- or Scenario 3 -----
```

```
Answer was '> 10' or '6 - 10' or '2 - 5' or '1' at question ' [D11]' (Was {A2RDcalcNOMAKK} represented
in standardisation consortia in 2023? $(document).ready(function(){ var qid = "13040";
$('#question'+qid+' .answer_cell_00SQ001 option[value=1]').text('Yes'); $('#question'+qid+'
.answer_cell_00SQ001 option[value=2]').text('No'); $('#question'+qid+' .answer_cell_00SQ001
option[value=]').text('N/A'); $('#question'+qid+' .answer_cell_00SQ001
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option[value=31]').text('').remove(); $('#question'+qid+' .answer_cell_00SQ002 option[value=]').text('N/
A'); $('#question'+qid+' .answer_cell_00SQ002 option[value=31]').text('> 30'); }); (International
consortia))
```

Please write your answer(s) here:

- Other consortium
- Other consortium
- Other consortium

- Other consortium

- Other consortium

You can state the specific names of the consortia in which {A2RDcalcNOMAKK} was represented in the text boxes.

## **Did {A2RDcalcNOMAKK} maintain a standardisation department in 2023? \***

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Please choose **only one** of the following:

- Yes
- No

## **Does {A2RDcalcNOMAKK} currently maintain a standardisation department? \***

Only answer this question if the following conditions are met:

(([A1.NAOK](#) == "01" or [A1.NAOK](#) == "02"))

Please choose **only one** of the following:

- Yes
- No

## **Please define the tasks and authority of this department.**

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [D2]' (Did {A2RDcalcNOMAKK} maintain a standardisation department in 2023?)

Please write your answer here:

## Please state the number of employees in the standardisation department of {A2RDcalcDAS} in 2023.

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [D2]' (Did {A2RDcalcNOMAKK} maintain a standardisation department in 2023?)

Your answer must be between 1 and 5000

Only an integer value may be entered in this field.

Please write your answer here:

•

## Please state the current number of employees in the standardisation department of {A2RDcalcDAS}.

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [D2x]' (Does {A2RDcalcNOMAKK} currently maintain a standardisation department?)

Your answer must be between 1 and 5000

Only an integer value may be entered in this field.

Please write your answer here:

•

## Please estimate the approximate total costs of all standardisation activities of {A2RDcalcDAS} in 2023 and the change in total costs compared to 2022.

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Please choose the appropriate response for each item:

no answer	0 - 1.000 €	1.001 - 10.000 €	10.001 - 100.000 €	100.001 - 1 million €	> 1 million - 10 million €	> 10 million €
--------------	----------------	---------------------	-----------------------	-----------------------------	-------------------------------------	----------------------

### Total costs of standardisation activities

Total personnel and travel costs including miscellaneous costs, e.g. membership fees.

### Change in total costs compared to 2022.

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Please choose **only one** of the following:

- Increased
- No change
- Decreased
- No answer

**If you have any comments on this question group, we welcome your feedback:**

Please write your answer here:

## 5. General information

In the following section, you will be asked general questions about your organisation. Please answer all questions regarding the same reference. The gathered data is treated confidentially and is anonymised for statistical analyses.

**Please state your position {A2RDcalcIN}: \***

Only answer this question if the following conditions are met:

Answer was 'The view of the business group' *or* 'The view of the organisation' at question ' [A1]' (From which point of view will you be answering the following questions?)

Choose one of the following answers

Please choose **only one** of the following:

- Education, training
- Procurement, materials management
- Export
- Finance, Accounting
- Research, Development
- Executive management, plant manager
- IT, data processing
- Infrastructure construction
- Logistics, storage, transportation
- Marketing
- Standardisation
-

- Human resources, social affairs
- Production, manufacturing
- Quality management
- Services, technical support
- Distribution, sales
- Administration
- Other

## If you checked "Other," describe your activity in this field:

Only answer this question if the following conditions are met:

Answer was 'Other' at question ' [E1]' (Please state your position {A2RDcalcIN}:)

Please write your answer here:

## How many employees worked in {A2RDcalcNOMAKK} in total in 2023? \*

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Your answer must be at least 1

Please write your answer here:

- 

## How many employees currently work in {A2RDcalcNOMAKK}? \*

Only answer this question if the following conditions are met:

(([A1.NAOK](#) == "01" or [A1.NAOK](#) == "02"))

Your answer must be at least 1

Please write your answer here:

-

## Please estimate {A2RDcalcNOMAKK}'s total sales, total costs, and total profit in 2023.

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Each answer must be at least 0

Please write your answer(s) here:

- Total turnover
- Total costs
- Total profit

Total personnel and material costs including miscellaneous costs.  
(Figures expressed in THOUSAND EUROS)

We are consulting you on the 2022 and 2023 financial years, as these have already been completed.

## What was the turnover {A2RDcalcDAS} (including exports) abroad in 2023?

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Your answer must be at least 0

Please write your answer here:

•

%

## Please divide the turnover {A2RDcalcDAS} (including exports) abroad in 2023 into the different regions.

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Only numbers may be entered in these fields.

Each answer must be at least 0

The sum must be at most 100

Please write your answer(s) here:

- Share within Europe
- Share to Asia
- Share to the USA
- Share to rest of the world

Please provide your answer in percentages

**Has {A2RDcalcNOMAKK} introduced new or significantly improved products or services (product innovations) to the market or introduced new or significantly improved processes (process innovations) in 2023? Did the research and development activities of {A2RDcalcDAS} take place internally and/or in cooperation with external partners? \***

Only answer this question if the following conditions are met:

Answer was 'The view of the organisation' *or* 'The view of the business group' at question ' [A1]' (From which point of view will you be answering the following questions?)

Please choose the appropriate response for each item:

	Yes	No
<b>Product innovation</b>		
<b>Process innovation</b>		
<b>Internal research</b>		
<b>External research</b>		

**How often did {A2RDcalcNOMAKK} cooperate in research and development activities with the following organisations in 2023?**

Only answer this question if the following conditions are met:

Answer was 'Yes' at question ' [E5]' (Has {A2RDcalcNOMAKK} introduced new or significantly improved products or services (product innovations) to the market or introduced new or significantly improved processes (process innovations) in 2023? Did the research and development activities of {A2RDcalcDAS} take place internally and/or in cooperation with external partners? (External research))

Please choose the appropriate response for each item:

	-3 (very rarely)	-2	-1	0	+1	+2	+3 (very often)
<b>Public and private</b>							

	-3 (very rarely)	-2	-1	0	+1	+2	+3 (very often)
universities							
Non-university research institutions							
Suppliers							
Competitors/ businesses in your industry							
Business consultants/ commercial R&D service providers							
Customers							

**If you have any comments on this question group, we welcome your feedback:**

Please write your answer here:

## Special section A: SMART standards

While industry is becoming increasingly automated, standards today often only exist in document form. In a digital world, norms and standards must be made available digitally so that they can be read and applied automatically by machines or other systems (e.g. CAD). In foreseeable future, standards must therefore be applicable, readable, and transferable for machines, i.e. SMART. The aim is for industry standards to be available in such a way that, ideally, they can be automatically integrated into the production control loop and directly incorporated into the digital systems, concepts, and formats of the industry. Adjustments and analyses could then be transferred to the various systems in a targeted manner. A significant time advantage with considerable cost savings for the industry.

Further information can be found on the websites of the Digital Standards Initiative ([www.dke.de/idis](http://www.dke.de/idis)) and the QI-Digital initiative (<https://www.qi-digital.de/digitale-qi/smart-standards>).

**Please indicate the level of digitalization and networking in {A2RDcalcNOMAKK}. \***

Choose one of the following answers

Please choose **only one** of the following:

- **Digital Novice:** Own digitalisation successes achieved, but need for improvements in coordination and strategic alignment of the activities. No risk recording and compliance.
- **Vertical Integrator:** Product and service portfolio consistently assigned with digital functions

along the vertical value chain (e.g. integrated software). Horizontal networking still capable of development.

- **Horizontal Collaborator:** Value chain and product service portfolio vertically as well as horizontally digitally networked. Standardised methods used to manage risk and compliance assured.
- **Digital Champion:** Operative and administrative processes are globally networked, often virtualised, optimised, and increasingly automated. Operative business focuses on core segments and product and service portfolio enlarged with new business models.
- None of these apply

## How often does your organisation use standards in a digital format to further process its contents? \*

Please choose the appropriate response for each item:

	Currently					Planned		
	Always	Often	Sometimes	Rarely	Never	More often	Same	Less often
PDF/Word file etc.								
XML file								
Database								
Technical interface (API)								
Other								

Please choose for each format.

## Please specify what you mean by other.

Only answer this question if the following conditions are met:

----- Scenario 1 -----

Answer was 'Less often' or 'Same' or 'More often' at question ' [spezial2024a1b]' (How often does your organisation use standards in a digital format to further process its contents? (Other Label Currently))

----- or Scenario 2 -----

Answer was 'Same' or 'More often' at question ' [spezial2024a1b]' (How often does your organisation use standards in a digital format to further process its contents? (Other Label Planned))

Please write your answer here:

## Are you already familiar with the concept of SMART standards?

Please choose **only one** of the following:

- Yes
- No

## Does your organisation have any plans or activities regarding working with SMART standards?

Please choose the appropriate response for each item:

	Already active	Planned	Neither	Do not know
Utilisation of SMART standards				
Participation in initiatives or forums (e.g. IDiS - Digital Standards Initiative or QI Digital)				
Own research and/or development (e.g. of IT solutions)				

**For which application would/are SMART standards most helpful from your company's perspective?**

Choose one of the following answers

Please choose **only one** of the following:

- General search for standards
- Search for specific standard content (e.g. regulations)
- Search for specific content for use in subsequent processes
- I am not sure
- No answer

**Would you be interested in taking part in a further survey on the subject of SMART standards?**

Please choose **only one** of the following:

- Yes
- No

Such a survey would be conducted independently of the DNP next year. You would be contacted separately for this.

## **Special Section B: Standardisation as an instrument of self-administration**

The topics of standardization and self-administration are central elements for a functioning economy and administration. In this section, we want to understand how transparent, effective, open, and coherent the standardization processes are perceived in comparison to legislation. In particular, we want to find out whether standards help to reduce the burden on the state and cut red tape, and how they could be used in an even more targeted way to deregulate in the future.

**How transparent do you think standardisation and legislation are? \***

Please choose the appropriate response for each item:

-2 (very      -1      0 (neutral)      1      2 (very      No

	low)	high)	answer
Standardisation (national level)			
Standardisation (european level)			
Legislation (national level)			
Legislation (european level)			

In this case, “transparent” means that the processes of standardisation and legislation are accessible, comprehensible and open to various stakeholders.

**In your opinion, how effective is the implementation of standards and laws? (Effect of the regulations, sanctions for non-compliance, etc.) \***

Please choose the appropriate response for each item:

	-2 (very low)	-1	0 (neutral)	1	2 (very high)	No answer
Standardisation (national level)						
Standardisation (europeanlevel)						
Legislation (national level)						
Legislation (european level)						

**In your opinion, how accessible are standardization and legislative processes for interested stakeholders (in terms of participation and involvement)? \***

Please choose the appropriate response for each item:

	-2 (very low)	-1	0 (neutral)	1	2 (very high)	No answer
Standardisation (national level)						
Standardisation (europeanlevel)						
Legislation (national level)						
Legislation (european level)						

**In your opinion, how fact-oriented are standardisation and legislation? \***

Please choose the appropriate response for each item:

	-2 (very low)	-1	0 (neutral)	1	2 (very high)	No answer
<b>Standardisation (national level)</b>						
<b>Standardisation (europeanlevel)</b>						
<b>Legislation (national level)</b>						
<b>Legislation (european level)</b>						

### Why do you think standardisation is not effective?

Only answer this question if the following conditions are met:

----- Scenario 1 -----

Answer was '-1' or '-2 (very low)' at question ' [spezial2024b1b]' (In your opinion, how effective is the implementation of standards and laws? (Effect of the regulations, sanctions for non-compliance, etc.) (Standardisation (national level)))

----- or Scenario 2 -----

Answer was '-2 (very low)' or '-1' at question ' [spezial2024b1b]' (In your opinion, how effective is the implementation of standards and laws? (Effect of the regulations, sanctions for non-compliance, etc.) (Standardisation (europeanlevel)))

Please write your answer here:

### How consistent (coherent) do you think the results of standardisation and legislative processes are? (Free of substantive contradictions with other regulations, well coordinated, degree of concretisation) \*

Please choose the appropriate response for each item:

	-2 (very low)	-1	0 (neutral)	1	2 (very high)	No answer
<b>Standardisation (national level)</b>						
<b>Standardisation (europeanlevel)</b>						
<b>Legislation (national level)</b>						
<b>Legislation (european level)</b>						

### How efficient do you think standardisation and legislation are? (Results, speed of development and adaptation, development costs) \*

Please choose the appropriate response for each item:

	-2 (very low)	-1	0 (neutral)	1	2 (very high)	No answer
<b>Standardisation (national level)</b>						
<b>Standardisation (europeanlevel)</b>						
<b>Legislation (national level)</b>						
<b>Legislation (european level)</b>						

### Why do you think standardisation is not efficient?

Only answer this question if the following conditions are met:

----- Scenario 1 -----

Answer was '-2 (very low)' *or* '-1' at question ' [spezial2024b1f]' (How efficient do you think standardisation and legislation are? (Results, speed of development and adaptation, development costs) (Standardisation (national level)))

----- or Scenario 2 -----

Answer was '-2 (very low)' *or* '-1' at question ' [spezial2024b1f]' (How efficient do you think standardisation and legislation are? (Results, speed of development and adaptation, development costs) (Standardisation (europeanlevel)))

Please write your answer here:

### Does standardisation as a self-governing task of industry contribute to reducing the burden on the state and cutting red tape?

Choose one of the following answers

Please choose **only one** of the following:

- -3 (highly disagree)
- -2
- -1
- 0 (neutral)
- 1
- 2
- 3 (highly agree)

### In which areas does standardisation help?

Only answer this question if the following conditions are met:

Answer was '3 (highly agree)' *or* '2' *or* '1' at question ' [spezial2024b2]' (Does standardisation as a self-governing task of industry contribute to reducing the burden on the state and cutting red tape?)

Please write your answer here:

**How/where could standards be used even more effectively as a tool for self-administration?**

Please write your answer here:

We thank you very much for your cooperation and support!

If you have any further questions, please do not hesitate to contact us at [dnp@inno.tu-berlin.de](mailto:dnp@inno.tu-berlin.de).

01-03-2025 – 14:45

Submit your survey.

Thank you for completing this survey.