

Section A: Information about the participating company of the person completing Please specify whether your company is part of a group of companies and from which point of view you will be answering the

TOHOWINE	s questions.				
A1. From which point of view will you be answering the following question?					
This is a mandatory field as your answer affects the following questions and the evaluation of your answers. Please answer for your compa- your business group if pos					
	The view of the company				
	The view of the business group				
	My expertise as an individual				
A2.	{if(A=="A2","your business group",if(A=="A1","your company", "a typical company in your industry"))}				
A3.	{if(A == "A2","the point of view of your business group",if(A == "A1","the point of view of your company","your point of view"))}				
A4.	{if(A == "A2","in your business group",if(A == "A1","in your company","of a typical company in your industry"))}				
A5.	{if(A == "A2","success of your business group","company success")}				
A6.	{if(A=="A2","your business group",if(A=="A1","your company", "a typical company in your industry"))}				
A7.	$\{if(A == "A2","the whole business group",if(A == "A1","the company","the company"))\}$				
A8.	$\{if(A == "A2","in the business group",if(A == "A1","in the company","in the company"))\}$				
A9.					
A10.	{if(A=="A2","your business group",if(A=="A1","your company", "a typical company in your industry"))}				
A11.	{if(A=="A2","your company group sees",if(A=="A1","your company sees", "you see"))}				
A12.	Does your company belong to a group of companies or an association of several companies?				
	Please choose one of the following answers				
	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 in Germany Yes, an international business group with headquarters abroad No, an individual enterprise with headquarters in Germany				
	No, an individual enterprise with headquarters in Germany				
	No, an individual enterprise with headquarters abroad				



A13.	Which of the following applies to your business group? Please choose one of the follow	ing answers
	national business group with headquarters in Germany	
l	international business group with headquarters in Germany	
	international business group with headquarters abroad	
A14.	In which country are your headquarters located?	
	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	
Щ	Cote D'ivoire	
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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
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	



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	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	
	Virgin Islands, British	
	Virgin Islands, U.S.	
	Wallis And Futuna	
	Western Sahara	
	Yemen	
	Zambia	
	Zimbabwe	
A15.	Please state the main business activity (industry) of your company in 2020. If you answer as private person please indicate the sector of your main occupation, i.e. for which industry your answers are	
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A15.	Please state the main business activity (industry) of your company in 2020. If you answer as private person please indicate the sector of your main occupation, i.e. for which industry your answers are representative.	ing answers
A15.	Please state the main business activity (industry) of your company in 2020. If you answer as private person please indicate the sector of your main occupation, i.e. for which industry your answers are representative. **Please choose one of the follows:	ing answers
A15.	Please state the main business activity (industry) of your company in 2020. If you answer as private person please indicate the sector of your main occupation, i.e. for which industry your answers are representative. **Please choose one of the follow** Agriculture, forestry and fishing	ing answers
A15.	Please state the main business activity (industry) of your company in 2020. If you answer as private person please indicate the sector of your main occupation, i.e. for which industry your answers are representative. Please choose one of the follow Agriculture, forestry and fishing Mining and quarrying	ing answers
A15.	Please state the main business activity (industry) of your company in 2020. If you answer as private person please indicate the sector of your main occupation, i.e. for which industry your answers are representative. Please choose one of the follow Agriculture, forestry and fishing Mining and quarrying Consumer Goods Production	
A15.	Please state the main business activity (industry) of your company in 2020. If you answer as private person please indicate the sector of your main occupation, i.e. for which industry your answers are representative. Please choose one of the follow Agriculture, forestry and fishing Mining and quarrying Consumer Goods Production Chemical and Pharmaceutical Industry	
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A15.	Please state the main business activity (industry) of your company in 2020. If you answer as private person please indicate the sector of your main occupation, i.e. for which industry your answers are representative. Please choose one of the follow Agriculture, forestry and fishing Mining and quarrying Consumer Goods Production Chemical and Pharmaceutical Industry Metal Production Electrical Engineering Medical Engineering Optics Mechanical Engineering	



	Manufacture of other non-metallic mineral products	
	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	
	Certification and testing	
	Public administration and defence; compulsory social security	
	Human health and social work activities	
	Education, activities of membership organisations	
	Other service activities	
	Activities of extraterritorial organisations and bodies	中
	Other	
	Other	
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A16.	Please state the full name of {A2RDcalcDAS}. If possible, please also state the location of {A2RDcalcDAS} and the department y	ou work in.



Section B: 1. 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 DIN e.V. in full consensus of all interested parties. Specifications (e.g. DIN SPEC) are developed by experts in formal standardization organizations (e.g. DIN e.V.), but, like technical rules, are not adopted in full consensus decisions (by associations such as VDI, VDMA, VDE). Informal consortia standards are developed by a select group of companies in consortia (and thus outside the formal standardization organizations). De-facto standards are not developed by consortia, but result from the demand behavior in the market (e.g. Microsoft Windows). 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.

coopera	company standards are developed within ting companies (e.g. suppliers). External c ties (e.g. purchasers / buyers) and then intr	company sta	andards			_	•	• •
B1.	How important are the following	ng types	of star	ndards	establis	shed on	1	
	national level for {A2RDcalcN Assessment on a scale from -3 (very unimportant)		-	(various sta	ndard types	are explain	ed in the help	text above)
		-3 (very unimportan t)	-2	-1	0	+1		+3 (very mportant)
	Formal standards for National Level							
Teo	chnical rules or specification for National Level							
Inform	nal consortia standards for National Level							
	De-facto standards for National Level							
B2.	How important are the following European level for {A2RDcalcalcassessment on a scale from -3 (very unimportant)	NOMAK	(K) ?					text above)
		-3 (very unimportan t)	-2	-1	0	+1	_	+3 (very mportant)
	Formal standards for European Level							
Tecl	nnical rules or specification for European Level							
I	nformal consortia standards for European Level							
	De-facto standards for European Level							
В3.	How important are the following on international level for {A2R Assessment on a scale from -3 (very unimportant)	RDcalcN(OMAK	KK}?			ed in the help i	text above)
		-3 (very unimportan t)	-2	-1	0	+1	_	+3 (very mportant)
	Formal standards for International Level							
	Technical rules and specifications for International Level							



	unim	very portan t) -2	-1	0 +1	+2	+3 (very important)
Infor	mal consortia standards for International Level]	
D	ra-facto standards for International Level]		<u> </u>]	
B4.	How important are internal and e {A2RDcalcNOMAKK}?	xternal com	pany sta	ndards fo	r	
			n a scale from	-3 (very unimpo	rtant) to +3 (ver	ry important)
	unim	very portan t) -2	-1	0 +1	+2	+3 (very important)
	Internal company standards	<u></u>]	
	External company standards	<u></u>]	
B5.	Please indicate the number of star {A2RDcalcNOMAKK} in 2020.	ndards utili	zed by			
			0	1 - 10 11 - 10	101 - 00 1.000	> 1.000
For	rmal standards (e.g. DIN, DIN EN, CEN, CEI IEC	NELEC, ISO, C, ETSI, ITU)]	
Techn	ical rules or specifications (e.g. Guidelines iss VDMA or VDI or specifications lik	~]	
Informa	al consortia standards (e.g. standards of conso	rtia like W3C or OASIS)]	
	De-fa	acto standards]	
	Internal comp	any standards]	
	External comp	any standards]	
B6.	Please indicate whether or not {Az accoring to the following ISO start			was certif	ied	
	C C			Yes	No	No Answer
	ISO 9001 (Qualit	y management	system star]	
	ISO 14001 (Environmenta	al management	system star	ndard)]	
	ISO/IEC 27001 (Information securit	y management	system star	ndard)]	
	ISO 500001 (Energ	y management	system star	ndard)]	
				Other]	
B7.	Please state which other certificat 2020.	ions your co	ompany o	btained ii	1	
	2020.	Othe	er			
				,	,	



B8.	In which year did {A2RDcalcNOMAKK} first receive certification?	the ISO 9001
B9.	Is {A2RDcalcNOMAKK} planning on completing the certification?	ISO 9001
		Please choose one of the following answers
		Yes
		No
B10.	In which year did {A2RDcalcNOMAKK} first receive certification?	
		Please enter the year of initial certification
B11.	Is {A2RDcalcNOMAKK} planning on completing the certification?	ISO 14001
		Please choose one of the following answers
		Yes
		No
B12.	In which year did {A2RDcalcNOMAKK} first receive 27001certification?	the ISO/IEC
	2/001cei unication:	Please enter the year of initial certification
B13.	Is {A2RDcalcNOMAKK} planning on completing the	ISO/IEC 27001
	certification?	Please choose one of the following answers
		Yes
		No
B14.	In which year did {A2RDcalcNOMAKK} first receive certification?	the ISO 50001
	certification:	Please enter the year of initial certification
B15.	Is {A2RDcalcNOMAKK} planning on completing the	ISO 50001
D13.	certification?	
		Please choose one of the following answers
		Yes
		No



Section C: Special section: standards and climate change

This year's special section examines the relationship between standards, standardization and climate change. Combating climate change and managing the impacts of climate change are two complementary strategies, both of which can benefit from the targeted use of standards.

On the one hand, standards can contribute to climate change mitigation by spreading the voluntary implementation of climate-friendly rules in industry and society. At the same time, standards must respond to requirements that have changed as a result of climate change. Adaptation processes must be proactively taken into account in standards in order to be able to address possible consequences of climate change at an early stage. Reviewing standards in order to better take into account the impacts of climate change is therefore already part of the German Strategy for Adaptation to Climate Change.

This topic has been present in the standards-setting organizations for some time. Representatives for environmental protection have been explicitly involved in the standardization process since the 1990s. At DIN, for example, through the Environmental Protection Helpdesk at DIN (DIN-EPH), or through the DIN Standards Committee Principles of Environmental Protection (NAGUS). Environmental topics can thus be taken into account in standards, especially as standards makers find support in relevant guides and tools. At international level, too, there is an explicit commitment by standards organizations to combating climate change, for example through ISO's London Declaration.

But are standards already fulfilling their full potential in combating and managing climate change? How strong is the role of standardization here, anyway? Which aspects of the standardization process can possibly be improved to address climate change even more strongly?

C1. Which Sustainable Development Goals are most relevant for your company or industry?

The goals can be relevant, for example, by the fact that

your company or industry contributes to the achievement of these objectives, or changes in your company or industry have an impact on the achievement of these goals. Please rank the most relevant goals in the green box (most relevant goal first). The elements can be moved with the mouse. Double-click to move one element to the other list. Please select a maximum of 5 goals.

No Poverty	
Zero Hunger	
Good Health and Well-being	
Quality Education	
Gender Equality	
Clean Water and Sanitation	
Affordable and Clean Energy	
Decent Work and Economic Growth	
Industry, Innovation and Infrastructure	



	Reduced Inequality
	Sustainable Cities and Communities
	Responsible Consumption and Production
	Climate Action
	Life Below Water
	Life on Land
	Peace and Justice Strong Institutions
	Partnerships to achieve the Goal
C2. How relevant is and will be clin in the future?	mate change to {A2RDcalcNOMAKK}
m the luture.	Assessment on a scale from -3 (not at all relevant) to +3 (very relevant)
	-3 (not at
Current relevance of climate change	
Future relevance of climate change	
C3. How do you assess the impact	
	Assessment on a scale from -3 (very negative) to $+3$ (very positive)
	-3 (very +3 (very negative) -2 -1 0 (neutral) +1 +2 positive)
Own company or industry	
Own company or industry Standards relevant to your sector/ industry	
Standards relevant to your sector/ industry Legal framework which is relevant for your sector/ industry C4. In your opinion, how much cou	negative) -2 -1 0 (neutral) +1 +2 positive)
Standards relevant to your sector/ industry Legal framework which is relevant for your sector/ industry	negative) -2 -1 0 (neutral) +1 +2 positive)
Standards relevant to your sector/ industry Legal framework which is relevant for your sector/ industry C4. In your opinion, how much cou	negative) -2 -1 0 (neutral) +1 +2 positive)
Standards relevant to your sector/ industry Legal framework which is relevant for your sector/ industry C4. In your opinion, how much count with fighting climate change? Formal standards/ rules/ specifications on	negative) -2 -1 0 (neutral) +1 +2 positive) -2 -1 0 (neutral) +1 +2 positive) -3 -1 0 (neutral) +1 +2 positive) -4 -1
Standards relevant to your sector/ industry Legal framework which is relevant for your sector/ industry C4. In your opinion, how much count with fighting climate change?	negative) -2 -1 0 (neutral) +1 +2 positive) -2 -1 0 (neutral) +1 +2 positive) -3 (not at all) to +3 (very) -3 (not at all) to +3 (very)
Standards relevant to your sector/ industry Legal framework which is relevant for your sector/ industry C4. In your opinion, how much count with fighting climate change? Formal standards/ rules/ specifications on national level Formal standards/ rules/ specifications on EU	negative) -2 -1 0 (neutral) +1 +2 positive) -2 -1 0 (neutral) +1 +2 positive) -3 (not at all) to +3 (very) -3 (not at all) to +3 (very)
Standards relevant to your sector/ industry Legal framework which is relevant for your sector/ industry C4. In your opinion, how much count with fighting climate change? Formal standards/ rules/ specifications on national level Formal standards/ rules/ specifications on EU level Formal standards/ rules/ specifications on	negative) -2 -1 0 (neutral) +1 +2 positive) -2 -1 0 (neutral) +1 +2 positive) -3 (not at all) to +3 (very) -3 (not at all) to +3 (very)



	-3 (not at all) -2 -1 0 (neutral) +1 +2 much)
consortia standards	
C5. In your opinion, how much cou	
with managing the impacts of	_
	Assessment on a scale from -3 (not at all) to $+3$ (very much)
	-3 (not at +3 (very all) -2 -1 0 (neutral) +1 +2 much)
Formal standards/ rules/ specifications on	all) -2 -1 U(licular) T1 12 mach)
national level Formal standards/ rules/ specifications on EU	
level	
Formal standards/ rules/ specifications on international level	
Formal standards referring to laws (harmonized European standards, etc.)	
company standards	
consortia standards	
C6. To what extent do you agree w	ith the following statements?
Cu. To what extent do you agree	Assessment on a scale from -3 (strongly disagree) to +3 (strongly agree)
	+3
	-3 (strongly disagree) -2 -1 0 (neutral) +1 +2 agree)
The topic of climate change is already sufficiently addressed by existing standards.	
In the future, standards must deal more with climate change and its consequences.	
Standards represent the state of the art and therefore cannot address a topic such as climate change.	
The guidelines for combating and managing the consequences of climate change must come from society and politics.	
The topic of climate change should be addressed proactively by standards experts and standards organizations.	
C7. In your opinion, how much do	standards already help with fighting
climate change?	
	Assessment on a scale from -3 (not at all) to $+3$ (very much)
	-3 (not at +3 (very all) -2 -1 0 (neutral) +1 +2 much)
Formal standards/ technical rules/ specifications on national level	
Formal standards/ technical rules/ specifications on EU level	
Formal standards/ technical rules/ specifications on international level	
Formal standards referring to laws (harmonized European standards, etc.)	



	-3 (not at +3 (very all) -2 -1 0 (neutral) +1 +2 much)
company standards	
concortia standards	
C8. In your opinion, how much do	standards already assist with
managing the impacts of clima	•
	Assessment on a scale from -3 (not at all) to $+3$ (very much)
	-3 (not at +3 (very all) -2 -1 0 (neutral) +1 +2 much)
Formal standards/ technical rules/ specifications on national level	
Formal standards/ technical rules/ specifications	
on EU level Formal standards/ technical rules/ specifications	
on international level Formal standards referring to laws (harmonized	
European standards, etc.)	
company standards	
concortia standards	
C9. You have stated that climate cliby standards. To what extent is	Assessment on a scale from -3 (strongly disagree) to +3 (strongly agree) -3 (very
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Climate change impacts are generally not considered by standards.	
Variable climate data are not sufficiently considered by standards. (Average temperatures, climate zones, precipitation values, etc.).	
The response to climate change through new standards or revised standards is too slow.	
Standards are often contradictory with respect to climate change.	
Climate-related regulations in standards are not specific enough.	
Other (please name)	



C10.	Please specify "other". Please indicate to	to what extent you think climate change is not yet sufficiently addressed by standards.
C11.	What measures do you think consideration of climate change	could particularly contribute to a better ge in standards?
		Assessment on a scale from -3 (negative contribution) to +3 (positive contribution) -3 (negative
Regula	r examination of standards for the need for adaptation due to climate change	
de	More support in this regard for standards velopers through coordinating bodies in lards organizations ("climate helpdesk")	
	legal requirements for climate-relevant which can then be taken into account in standards	
Me	ore coordination in this respect between legislators and standards organizations	
	er consideration of variable climate data .g. average temperatures, climate zones, precipitation projections, etc.)	,
Mo	ore knowledge sharing with the research community	
	fore frequent, concrete consideration of ate change impacts in relevant standards (e.g., an extra section on this topic)	
	tegration of relevant stakeholders in the dardization process (e.g., environmental associations, climate researchers)	
de	Explicit self-commitment of standards velopers to sufficiently consider aspects related to climate change in standards.	
	ore supporting material and frameworks des, databases, related standards such as DIN SPEC 35220)	
	More exchange/coordination between standardization bodies	
N	More international coordination / a more internationally consistent agenda	
	Other (please name)	



C12.	Please specify "other"		
	Please name other aspects that you think contrib	bute to a better considera	tion of climate change in standards.
C13.	Are you aware of the following supporting m		
	related to standards and climate change? Har of them in the standardization process or sou	•	made use
	of them in the standardization process of soc	ight contact.	Known Used/contact ed in the standardizati
			Unknown used on process
	Supporting material / guides etc. in nation	al standardization	
Supporti	ing material / guides etc. in international standardization (e.	g., ISO Guide 64)	
Instit	tutions in national standardization (e.g., equivalents of DIN- Germa	-EPH, NAGUS in n standardization)	
Institutio	ons in international standardization (e.g., CEN/SABE, CEN-	-CENELEC/ACC CG, ISO/CCC TF)	
The coro	navirus pandemic poses special challenges for the world of afrastructure, can potentially help to better manage the crisi ent standardizing companies are affected by corona and how Which of the following negative effects does pandemic have for {A2RDcalcNOMAKK} up	s. In this year's spector standards and cerethe coronaviru	cial section, the DNP investigates to tification offer support.
		0 (does not apply) 1	4 (applies very 2 3 strongly)
	Decline in demand / cancellation of existing orders		
	Liquidity shortages		
	(Temporary) closure of company / parts of company		
	Logistical difficulties in selling own products		
Diffi	culties in obtaining raw materials or intermediate products		
	Staff shortages (illness, quarantine, childcare, etc.)		
	Termination of business		
ı			



D2.	Due to the coronavirus pandemic, are you pla change your participation in standardization	
		-2 +2 (significanl 0 (no (significantl y less) -1 change) +1 y more)
	Participation in formal standard-setting committees	
	Participation in standard-setting committees in consortia	
D3.	Due to the coronavirus pandemic, are you pla change your participation in standardization	
		-2 +2 (significanl y less) -1 change) +1 y more)
	New topics	
	New standards	
	Number of participants	
	Workload	
D4.	In your opinion, do corona-related changes h negative effects on standardization processe	
	•	-2 (strongly deteriorated 0 (no (strongly) -1 change) +1 improved)
	Participation costs (e.g. also travel expenses)	
	Extent of participation	
	Diversity of participants	
	Speed	
	Quality of informal exchange	
	Quality of the exchange of information	
	Finding consensus	
	Overall quality of the process	
	Quality of the result	
	Other	
D5.	Please specify "other"	



Section	E: Significance	of	standards	and	specifications
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Please assess the impact of standards on various factors relevant to {A2RDcalcERF}.

E1.	Please assess the impact	t of various types of standards on legal
	security.	Assessment on a scale from -3 (very negative) to +3 (very positive)
		-3 (very 0 (no +3 (very Not
	Formal standards	negative) -2 -1 impact) +1 +2 positive) applicable
	Technical rules or specifications	
	Informal consortia standards	
	De-facto standards	
	Internal company standards	
	External company standards	
E2.	Please assess the impact formal and informal ma	t of various standards on the fulfillment of arket entry conditions.
		Assessment on a scale from -3 (very negative) to +3 (very positive)
		-3 (very 0 (no +3 (very Not negative) -2 -1 impact) +1 +2 positive) applicable
	Formal standards	
	Technical rules or specifications	
	Informal consortia standards	
	De-facto standards	
	Internal company standards	
	External company standards	
E3.	•	t of various standards on the realization of
	technical interoperabili	Assessment on a scale from -3 (very negative) to +3 (very positive)
		-3 (very 0 (no +3 (very Not negative) -2 -1 impact) +1 +2 positive) applicable
	Formal standards	
	Technical rules or specifications	
	Informal consortia standards	
	De-facto standards	



		-3 (very 0 (no +3 (very Not negative) -2 -1 impact) +1 +2 positive) applicable	
	Internal company standards		
	External company standards		
E4.	Please assess the impact productivity (including	et of various standards on the increase in cost reduction).	
		Assessment on a scale from -3 (very negative) to +3 (very positive)	
		-3 (very 0 (no +3 (very Not negative) -2 -1 impact) +1 +2 positive) applicable	
	Formal standards		
	Technical rules or specifications		
	Informal consortia standards		
	De-facto standards		
	Internal company standards		
	External company standards		
E5.	•	et of various standards on the improvement of	
	quality.	Assessment on a scale from -3 (very negative) to +3 (very positive)	
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	Formal standards	3 (161)	
	Formal standards Technical rules or specifications	3 (161)	
		3 (161)	
	Technical rules or specifications	3 (161)	
	Technical rules or specifications Informal consortia standards	3 (161)	
	Technical rules or specifications Informal consortia standards De-facto standards	3 (161)	
E6.	Technical rules or specifications Informal consortia standards De-facto standards Internal company standards External company standards Please assess the impact	negative) -2 -1 impact) +1 +2 positive) applicable	
E6.	Technical rules or specifications Informal consortia standards De-facto standards Internal company standards External company standards Please assess the impact	negative) -2 -1 impact) +1 +2 positive) applicable	
E6.	Technical rules or specifications Informal consortia standards De-facto standards Internal company standards External company standards Please assess the impact	negative) -2 -1 impact) +1 +2 positive) applicable	
E6.	Technical rules or specifications Informal consortia standards De-facto standards Internal company standards External company standards Please assess the impact	negative) -2 -1 impact) +1 +2 positive) applicable	
E6.	Informal consortia standards De-facto standards Internal company standards External company standards Please assess the impact research, development a	negative) -2 -1 impact) +1 +2 positive) applicable	



		-3 (very negative) -2	-1	0 (no impact)	+1	+2	+3 (very Not positive) applicable	
	De-facto standards							
	Internal company standards							
	External company standards							
E7.	Please assess the impact regarding direct business		standard	s on the	compet	itiven	ess	
			Assess	sment on a sc	cale from -3	(very nego	ative) to +3 (very positive)	
		-3 (very negative) -2	-1	0 (no impact)	+1	+2	+3 (very Not positive) applicable	
	Formal standards		ļ					
	Technical rules or specifications							
	Informal consortia standards							
	De-facto standards							
	Internal company standards							
	External company standards							
E8.	Please assess the impact		standard	s on the	bargaiı	ning		
	nocition regarding cum	liors and cur	ctomore					
	position regarging supp	liers and cu		sment on a sc	cale from -3	(very nege	utive) to +3 (very positive)	
	position regarging supp	-3 (very negative) -2		o (no impact)	rale from -3 +1	(very nego +2	tive) to +3 (very positive) +3 (very Not positive) applicable	
	position regarging supp Formal standards	-3 (very	Assess	0 (no	·		+3 (very Not	
		-3 (very	Assess	0 (no	·		+3 (very Not	
	Formal standards	-3 (very	Assess	0 (no	·		+3 (very Not	
	Formal standards Technical rules or specifications	-3 (very	Assess	0 (no	·		+3 (very Not	
	Formal standards Technical rules or specifications Informal consortia standards	-3 (very	Assess	0 (no	·		+3 (very Not	
	Formal standards Technical rules or specifications Informal consortia standards De-facto standards	-3 (very	Assess	0 (no	·		+3 (very Not	
E9.	Formal standards Technical rules or specifications Informal consortia standards De-facto standards Internal company standards External company standards Please assess the impact	-3 (very negative) -2	-1	0 (no impact)	+1	+2	+3 (very Not positive) applicable	
Е9.	Formal standards Technical rules or specifications Informal consortia standards De-facto standards Internal company standards External company standards	-3 (very negative) -2	-1 -1	0 (no impact)	+1	+2	+3 (very Not positive) applicable	
Е9.	Formal standards Technical rules or specifications Informal consortia standards De-facto standards Internal company standards External company standards Please assess the impact	-3 (very negative) -2	-1 -1	0 (no impact)	+1	+2	+3 (very Not positive) applicable	
E9.	Formal standards Technical rules or specifications Informal consortia standards De-facto standards Internal company standards External company standards Please assess the impact	-3 (very negative) -2	-1	0 (no impact)	+1	+2e succ	+3 (very Not positive) applicable	



-3 (very negative) -2 -1	0 (no +3 (very Not impact) +1 +2 positive) applicable
Informal consortia standards	
De-facto standards	
Internal company standards	
External company standards	
Section F: 3. Standardization activities The following section contains questions regarding the resource input	necessary for standardisation work.
F1. In which standardization organizations was represented in 2020? Please indicate in how many committees of the following the standardization organizations.	{A2RDcalcNOMAKK} lowing institutions {A2RDcalcNOMAKK} was active in 2020.
	0 1 2-5 6-10 >10
DIN (German Institute for Standardization e. V.)	
DKE (German Commission for Electrical, Electronic & Information Technologies of DIN and VDE)	
CEN (European Committee for Standardization)	
CENELEC (European Committee for Electrotechnical Standardization)	
ETSI (European Telecommunications Standards Institute)	
ISO (International Organization for Standardization)	
IEC (International Electrotechnical Commission)	
ITU (International Telecommunication Union)	
F2. In which standardization organizations is {A currently represented? Please indicate in how many committees of the following institutions {A2RDccc}	
	0 1 2-5 6-10 >10
DIN (German Institute for Standardization e. V.)	
DKE (German Commission for Electrical, Electronic & Information Technologies of DIN and VDE)	
CEN (European Committee for Standardization)	
CENELEC (European Committee for Electrotechnical Standardization)	
ETSI (European Telecommunications Standards Institute)	



_			
ISO (International Organization for Standardization) IEC (International Electrotechnical Commission) ITU (International Telecommunication Union)	0 1	2 - 5 6 - 10 > 10 	



```
F3.
       Was {A2RDcalcNOMAKK} represented in standardization consortia
       in 2020? $(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
       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 option[value=9]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=10]').text(").remove(); $('#question'+qid+'
       . answer\_cell\_00SQ001\ option[value=11]'). text(''). remove();
       $('#question'+qid+' .answer_cell_00SQ001
       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 option[value=15]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=16]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=17]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=18]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=19]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=20]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=21]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=22]').text('').remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=23]').text('').remove();
       $('#question'+qid+' .answer cell 00SQ001
       option[value=24]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=25]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=26]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=27]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=28]').text('').remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=29]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=30]').text('').remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=31]').text('').remove();
       \C'' question'+qid+' .answer_cell_00SQ002
       option[value=]').text('N/A'); $('#question'+qid+'
       .answer_cell_00SQ002 option[value=31]').text('> 30'); });
```



```
F4.
       Is {A2RDcalcNOMAKK} currently represented in standardization
       consortia? $(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
       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 option[value=9]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=10]').text(").remove(); $('#question'+qid+'
       . answer\_cell\_00SQ001\ option[value=11]'). text(''). remove();
       $('#question'+qid+' .answer_cell_00SQ001
       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 option[value=15]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=16]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=17]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=18]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=19]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=20]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=21]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=22]').text('').remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=23]').text('').remove();
       $('#question'+qid+' .answer cell 00SQ001
       option[value=24]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=25]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=26]').text(").remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=27]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=28]').text('').remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=29]').text('').remove();
       $('#question'+qid+' .answer_cell_00SQ001
       option[value=30]').text('').remove(); $('#question'+qid+'
       .answer_cell_00SQ001 option[value=31]').text('').remove();
       \C'' question'+qid+' .answer_cell_00SQ002
       option[value=]').text('N/A'); $('#question'+qid+'
       .answer_cell_00SQ002 option[value=31]').text('> 30'); });
```



F5.	In which specific standardization consortia was {A2RDcalcNOMAKK} represented in 2020? You can state the specific names of the consortia in which {A2RDcalcNOMAKK} was represented in the text boxes.							
F6.	Please assess the influence of the following criteria on the decision of {A2RDcalcNOMAKK} to participate in consortia compared to formal standardization committees.							
		major minor neutral / co advantage advantage mplementar formal formal consortia y standardization major advantage advantage formal formal						
	Reputation of the consortium							
	Personnel costs of participation (time)							
	Fees							
	Costs for documents							
	Speed of the processes							
	Decision-making (majority instead of consensus)							
	Participants (competitors, customers or suppliers)							
	Number of users of standards							
	Type of the users of the standards (e.g. government, large customers)							
	Regulation on patents							
	Regulation on copyright							
	Use of open source mechanisms							
	Use of open source contents							
	Positive experience in the past							
	Personal contacts to other members							
	Impact on government regulation							
	Monitoring of the expertise of the other participants							
	Capability to solve technical problems							



F7.	Did {A2RDcalcNOMAKK} contribute to any open source projects in 2020?
	Yes No
F8.	Please describe your involvement in open source projects. E.g. Which open source organizations are you active at? (Apache
	Software Foundation, Eclipse Foundation etc.)
F9.	Did {A2RDcalcNOMAKK} maintain a standardization department in 2020? Yes No
F10.	Does {A2RDcalcNOMAKK} currently maintain a standardization department? Yes No
F11.	Please choose the tasks and authority of this department. Other Other
F12.	Please state the number of employees in the standardization department of {A2RDcalcDAS} in 2020.
F13.	Please state the current number of employees in the standardization department of {A2RDcalcDAS}.



F14.	Change in number compared to 2019	
	Increase	ed
	No chang	ge
	Decrease	ed
	No answ	er
F15.	Please estimate the approximate total costs of all standardization activities of {A2RDcalcDAS} in 2020 and the change in total costs compared to 2019.	
	Total personnel and travel costs including miscellaneous costs, e.g. n	
	- keine 0 - 1.000 1 .001 - 100.001 - > 1 Million Angabe - € 10.000 € € € Millioner	Millionen
	Total costs of standardization activities	
F16.	Change in total costs compared to 2019	
	Increase	xd
	No chang	ge 📋
	Decrease	ed [
	No answ	er
F17.	Change in total costs since the beginning of the coronavirus pandemic.	
	Increase	ed
	No chang	ge 📋
	Decrease	ed
	No answ	er _



Section G: 4. General information

Notice: In the following section, you will be asked general questions about {A2RDcalcNOMAKK} . Please answer all questions with regard to the same reference. The gathered data is treated confidentially and is anonymised for statistical analyses.

G1.	Please state your position {A2RDcalcIN}:	
	Education, training	
	Procurement, materials management	
	Export	
	Finance, accounting	
	Research, development	
	Executive management, plant manager	
	IT, data processing	
	Construction	
	Logistiks, storage, transportation	
	Marketing	
	Standardization	
	Human resources, social affairs	
	Production, manufacturing	
	Quality management	
	Services, technical support	
	Miscellaneous	
	Distribution, sales	
	Administration, organization	
G2.	How many employees worked in {A2RDcalcNOMAKK} in total in 2020?	
	2020.	
G3.	Change in number compared to 2019	
	Increased	
	No change	ļ.
	Decreased	
	No answer	



	total profit in 2020.	coasts (Figures armassed in THOUSAND EUROS)	
	Total personnel and material costs including miscellaneous	Costs. (Figures expressed in THOUSAND EUROS)	
	Total sales		
	Total costs		
	Total profit		
G5.	What percentage of {A2RDcalcDAS}'s sales was ge in 2020?	· -	
	Example: 1,000,000 total sales, 300,000 of which are generated by	exports, is equivalent to a 30% share in total sales.	
G6.		•	
	Share to USA		
	Share to rest of the world		
	, ,	nificantly improved	
	products <u>or services</u> (product innovations) to the mintroduced new or significantly improved processes innovations) in 2020? Did the research and develop {A2RDcalcDAS} take place internally and/or in coexternal partners?	narket or s (process oment activities of	
	products <u>or services</u> (product innovations) to the mintroduced new or significantly improved processes innovations) in 2020? Did the research and develop {A2RDcalcDAS} take place internally and/or in coordinates.	narket or s (process oment activities of	
	products <u>or services</u> (product innovations) to the m introduced new or significantly improved processes innovations) in 2020? Did the research and develop {A2RDcalcDAS} take place internally and/or in cocexternal partners?	narket or s (process oment activities of operation with	
	products <u>or services</u> (product innovations) to the m introduced new or significantly improved processes innovations) in 2020? Did the research and develop {A2RDcalcDAS} take place internally and/or in cocexternal partners?	narket or s (process oment activities of operation with	
	products <u>or services</u> (product innovations) to the m introduced new or significantly improved processes innovations) in 2020? Did the research and develop {A2RDcalcDAS} take place internally and/or in cocexternal partners?	parket or s (process oment activities of operation with Yes No Product innovation	
	products <u>or services</u> (product innovations) to the m introduced new or significantly improved processes innovations) in 2020? Did the research and develop {A2RDcalcDAS} take place internally and/or in cocexternal partners?	Process innovation Process innovation	
G8.	products or services (product innovations) to the mintroduced new or significantly improved processes innovations) in 2020? Did the research and develop {A2RDcalcDAS} take place internally and/or in coexternal partners? How often did {A2RDcalcNOMAKK} cooperate in development activities with the following national of 2020?	Process innovation Internal research External research Tresearch and Tresearch and	
G8.	products or services (product innovations) to the mintroduced new or significantly improved processes innovations) in 2020? Did the research and develop {A2RDcalcDAS} take place internally and/or in coexternal partners? How often did {A2RDcalcNOMAKK} cooperate in development activities with the following national of 2020?	Process innovation Internal research External research Tresearch and	



	-3 (very unimportan t)	-2	-1	0	+1	+2	+3 (very important)
National non-university research institutions	<u> </u>						
National suppliers							
National competitors/ businesses in your industry	<u> </u>						
National business consultants/ commercial R&D							
service providers National customers							
G9. How often did {A2RDcalcNOM	MAKK}	coopera	ate in r	esearch	and		
development activities with the in 2020?	_	_				S	
111 2020.		Assessme	ent on a sca	ele from -3 (v	ery rarely) 1	to +3 (ver	y frequently)
	-3 (very unimportan						+3 (very
	t)	-2	-1	0	+1	+2	important)
International public and private universities							
International non-university research institutions							
International suppliers							
International competitors/ businesses in your industry							
International business consultants/ commercial R&D service providers							
International customers							
G10. How many employees do curre	ently wor	·k in {A	2RDca	lcNOM	AKK}?		
Olivinani emprejess de carre	illig (, o_						
Thank you very muc	h for yo	our co	operat	tion an	d kind	supp	ort.