II

(Non-legislative acts)

REGULATIONS

COMMISSION IMPLEMENTING REGULATION (EU) 2021/1223

of 27 July 2021

specifying the technical items of the data set, establishing the technical formats for transmission of information and specifying the detailed arrangements and content of the quality reports on the organisation of a sample survey in the use of information and communication technologies domain for reference year 2022 pursuant to Regulation (EU) 2019/1700 of the European Parliament and of the Council

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) 2019/1700 of the European Parliament and of the Council of 10 October 2019 establishing a common framework for European statistics relating to persons and households, based on data at individual level collected from samples, amending Regulations (EC) No 808/2004, (EC) No 452/2008 and (EC) No 1338/2008 of the European Parliament and of the Council, and repealing Regulation (EC) No 1177/2003 of the European Parliament and of the Council and Council Regulation (EC) No 577/98 ([1]), and in particular Article 7(1), Article 8(3) and Article 13(6) thereof,

Whereas:

(1) In order to facilitate the transmission of information from the Member States to the Commission (Eurostat), technical formats covering concepts, processes, including data and metadata, should be put in place for the transmission of information.

(2) For the purpose of assessing the quality of statistics to be transmitted for the domain use of information and communication technologies, the detailed arrangements for the quality reports should be specified.

(3) The Member States and the Union institutions should use for the categories of the characteristics listed in the Annex of this Regulation, where appropriate, the statistical classifications for the territorial units, education, occupation and economic sector that are compatible with the NUTS ([2]), ISCED ([3]), ISCO ([4]) and NACE ([5]) classifications.

(4) The measures provided for in this Regulation are in accordance with the opinion of the European Statistical System Committee,

([1]) OJ L 261 I, 14.10.2019, p. 1.

([2]) Regulation (EC) No 1059/2003 of the European Parliament and of the Council of 26 May 2003 on the establishment of a common classification of territorial units for statistics (NUTS) (OJ L 154, 21.6.2003, p. 1).

([3]) International Standard Classification of Education 2011, http://uis.unesco.org/sites/default/files/documents/international-standard-classification-of-education-isced-2011-en.pdf (available in English and French).

([4]) Commission Recommendation of 29 October 2009 on the use of the International Standard Classification of Occupations (ISCO-08) (OJ L 292, 10.11.2009, p. 31).

([5]) Regulation (EC) No 1893/2006 of the European Parliament and of the Council of 20 December 2006 establishing the statistical classification of economic activities NACE Revision 2 and amending Council Regulation (EEC) No 3037/90 as well as certain EC Regulations on specific statistical domains (OJ L 393, 30.12.2006, p. 1).

HAS ADOPTED THIS REGULATION:

Article 1

Subject matter

This Regulation specifies the technical items of the data set, establishes the technical formats for the transmission of information from Member States to the Commission (Eurostat) and specifies the detailed arrangements for transmission and content of the quality reports in the use of information and communication technologies domain.

Article 2

Definitions

For the purposes of this Regulation, the following definitions shall apply:

(1) 'fieldwork period' means the period of time during which the data collection from respondents is conducted;

(2) 'reference period' means the period of time to which a particular item of information relates.

Article 3

Description of variables

The technical characteristics of variables shall be those laid down in the Annex and refer to:

(a) variable identifier;

(b) variable name and description;

(c) codes and labels;

(d) filter;

(e) variable type.

Article 4

Characteristics of target populations, observation units and rules for respondents

1. The target populations in the use of information and communication technologies domain shall be private households in the territory of the Member State and individuals who have their usual residence, as defined in Article 2(11) of Regulation (EU) 2019/1700, in the territory of the Member State.

2. For the variables that concern the households listed in the Annex, information shall be collected for private households with at least one member aged 16 to 74 residing in the territory of the Member State.

3. For the variables that concern the individuals listed in the Annex, information shall be collected for individuals aged 16 to 74 residing in the territory of the Member State.

4. Information may be provided on optional basis for individuals aged under 16 or over 74.

5. The data collection for the use of information and communication technologies domain shall be carried out for a sample of private households or a sample of persons belonging to private households as observation units.

Article 5

Reference periods and date

1. The reference period for collecting statistics on the detailed topic 'interaction with public authorities' shall comprise the three last quarters of 2021 and the first quarter of 2022.

2. The reference period for collecting statistics on the detailed topics 'Connection to the internet from anywhere' and 'Effect of use' shall be the last time the activity was performed by the respondent.

3. For all other detailed topics, under the topic 'information society participation', the reference period shall be the first quarter of 2022.

4. The reference date shall be defined as the time of the first interview (DD/MM/YYYY).

Article 6

Data gathering period

For data directly provided by respondents, the fieldwork period shall be the second quarter of 2022.

Article 7

Common standards for data editing, imputation and estimation

1. Imputation, modelling or weighting shall be applied to the data where information is missing, invalid or inconsistent.

2. The procedure applied to the data shall preserve the variation and the correlation between variables. Methods that incorporate 'error components' into the imputed values shall be preferable to those that simply impute a predicted value.

3. Methods which take into account the structure or other characteristics of the joint distribution of the variables shall be preferable to the marginal or univariate approach.

Article 8

Deadline and standards for transmitting information

1. Member States shall transmit the final data to the Commission (Eurostat) by 5 October 2022. The data shall be transmitted in the form of microdata files, including appropriate weights. The data must have been fully checked and validated, using the statistical data and metadata exchange standard through the single entry point to allow the Commission (Eurostat) to retrieve the data by electronic means. That data shall comply with the validation rules in accordance with the specification of variables based on the coding and filters as described in the Annex.

2. Member States shall provide the metadata to the Commission (Eurostat) in the standard metadata structure defined by the Commission (Eurostat) within 3 months of the deadline for transmitting the microdata. The metadata shall be provided through the single entry point to allow the Commission (Eurostat) to retrieve the data by electronic means.

Article 9

Detailed arrangements and content of annual quality reports

1. Member States shall transmit to the Commission (Eurostat) an annual quality report on the use of information and communication technologies domain.

2. The annual quality report shall contain quality-related data and metadata, information on the accuracy and reliability of the survey and describe changes in basic concepts and definitions that affect the comparability over time and across countries. The quality report shall also include information on the compliance with the model questionnaire and on changes in questionnaire design that affect the comparability over time and across countries.

3. The annual quality report shall be transmitted to the Commission (Eurostat) within 3 months of the deadline for transmitting the microdata.

4. The annual quality report shall be transmitted in accordance with the technical standards established by the Commission (Eurostat).

5. The annual quality report shall be provided through the single entry point to allow the Commission (Eurostat) to retrieve the data by electronic means.

Article 10

Entry into force

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 27 July 2021.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX

Description and technical formats of variables collected for each topic and detailed topic of the domain use of information and communication technologies and codes to be used

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
01.Technical Items	Data collection information	REFYEAR	Year of survey	YYYY	Year of survey (4 digits)	All households	Technical
01.Technical Items	Data collection information	INTDATE	Reference date – first interview date	DD/MM/YYYY	Reference date (10 characters)	All individuals	Technical
01.Technical items	Data collection information	STRATUM_ID	Stratum	Nnnnnn -1	Id of the stratum the individual or the household belongs to, from 1 to N, where N is the number of strata No stratification	All households	Technical
01.Technical items	Data collection information	PSU	Primary sampling unit	Nnnnnn -1	Id of the primary sampling unit the individual or the household belongs to (from 1 to N, where N is the number of PSUs) Not applicable	All households, when the target population is divided into clusters (PSUs)	Technical
01.Technical items	Identification	HH_ID	Household ID	XXnnnnnn	Unique id of the household (2 letters for country code, then maximum 22 digits)	All households	Technical
01.Technical items	Identification	IND_ID	Individual ID	XxNnnnnn	Unique id of the individual (2 letters for country code, then maximum 22 digits)	All individuals	Technical
01.Technical items	Identification	HH_REF_ID	ID of the household the individual belongs to	XxNnnnnn Blank	Id of the household the individual belongs to (2 letters for country code, then maximum 22 digits) When the individual is aged 15 or less, or 75 or more, and belongs to a household which only contains persons outside the 16-74 age group, this field shall be left blank.	All individuals	Technical

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
01.Technical items	Weights	HH_WGHT	Household weight	Nnnnn.nnnnnn	Grossing up factor of the household (As many digits as necessary. Decimal point may be used, if needed.)	All households	Technical
01.Technical items	Weights	IND_WGHT	Individual weight	Nnnnnn.nnnnn	Grossing up factor of the individual (As many digits as necessary. Decimal point may be used, if needed.)	All individuals	Technical
01.Technical items	Interview characteristics	TIME	Interview duration	Nnn Blank	Duration of interview expressed in minutes Not stated	All individuals	Technical
01.Technical items	Interview characteristics	INT_TYPE	Interview type	1 2 3 4 5	Paper assisted personal interview (PAPI) Computer assisted personal interview (CAPI) Computer assisted telephone interview (CATI) Computer-assisted web-interview Other	All individuals	Technical
01.Technical items	Localisation	COUNTRY	Country of residence	Not Blank	Country of residence (SCL GEO alpha-2 code)	All households	Technical
01.Technical items	Localisation	GEO_NUTS1	Region of residence	Not Blank	NUTS 1 region (3 characters, alphanumeric)	All households	Technical
01.Technical items	Localisation	GEO_NUTS2 (optional)	Region of residence (optional)	Not Blank Blank	NUTS 2 region (4 characters, alphanumeric) Option not included	All households	Technical

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
01.Technical items	Localisation	GEO_NUTS3 (optional)	Region of residence (optional)	Not Blank	NUTS 3 region (5 characters, alphanumeric – NUTS 3 code for future alternate aggregation of regions, not for publication of NUTS 3 breakdowns)	All households	Technical
				Blank	Option not included		
01.Technical items	Localisation	DEG_URBA	Degree of urbanisation	1	Cities	All households	Technical
				2	Towns and suburbs		
				3	Rural areas		
01.Technical items	Localisation	GEO_DEV	Geographical location	1	Less developed region	All households	Technical
				2	Transition region		
				3	More developed region		
				Blank	Not stated (code for non-EU countries)		
02.Person and household characteristics	Demography	SEX	Sex	1	Male	All individuals	Collected
				2	Female		
02.Person and household characteristics	Demography	YEARBIR	Year of birth	YYYY	Year of birth (4 digits)	All individuals	Collected
02.Person and household characteristics	Demography	PASSBIR	Passing of birthday	1	Yes	All individuals	Collected
				2	No		
02.Person and household characteristics	Demography	AGE	Age in completed years	nnn	Age in completed years (from 1 to 3 digits)	All individuals	Derived
02.Person and household characteristics	Citizenship and migrant background	CITIZENSHIP	Country of main citizenship	Not blank	Country of main citizenship (SCL GEO alpha-2 code)	All individuals	Collected
				STLS	Stateless		
				FOR	Foreign citizenship but country unknown		
				Blank	Not stated		
02.Person and household characteristics	Citizenship and migrant background	CNTRYB	Country of birth	Not blank	Country of birth (SCL GEO alpha-2 code)	All individuals	Collected
				FOR	Foreign-born but country of birth unknown		
				Blank	Not stated		

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
02.Person and household characteristics	Household composition	HH_POP	Household size (number of members in the household)	Nn Blank	Number of members of the household (including children) Not stated	All households	Collected
02.Person and household characteristics	Household composition	HH_PO-P_16_24 (optional)	Number of members of the household aged from 16 to 24 (optional)	Nn Blank	Number of members of the household aged from 16 to 24 Option not included	All households	Collected
02.Person and household characteristics	Household composition	HH_PO-P_16_24S (optional)	Number of students of the household aged 16 to 24 (optional)	Nn Blank	Number of students of the household aged 16 to 24 Option not included	All households	Collected
02.Person and household characteristics	Household composition	HH_PO-P_25_64 (optional)	Number of members of the household aged from 25 to 64 (optional)	Nn Blank	Number of members of the household aged 25 to 64 Option not included	All households	Collected
02.Person and household characteristics	Household composition	HH_POP_65_-MAX (optional)	Number of members of the household aged more than or equal to 65 (optional)	Nn Blank	Number of members of the household aged more than or equal to 65 Option not included	All households	Collected
02.Person and household characteristics	Household composition	HH_CHILD	Number of children under 16	Nn Blank	Number of children under 16 Not stated	All households	Collected
02.Person and household characteristics	Household composition	HH_CHIL-D_14_15 (optional)	Number of children aged from 14 to 15 (optional)	Nn Blank	Number of children aged from 14 to 15 Option not included	All households	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
02.Person and household characteristics	Household composition	HH_CHILD_5_13 (optional)	Number of children aged from 5 to 13 (optional)	Nn	Number of children aged from 5 to 13	All households	Collected
				Blank	Option not included		
02.Person and household characteristics	Household composition	HH_CHILD_LE_4 (optional)	Number of children aged less than or equal to 4 (optional)	Nn	Number of children aged less than or equal to 4	All households	Collected
				Blank	Option not included		
03.Labour market participation	Main activity status (self-defined)	MAINSTAT	Main activity status (self-defined)	1	Employed	All individuals aged 16 and more	Collected
				2	Unemployed		
				3	Retired		
				4	Unable to work due to long-standing health problems		
				5	Student, pupil		
				6	Fulfilling domestic tasks		
				7	Compulsory military or civilian service		
				8	Other		
				Blank	Not stated		
				9	Not applicable		
03.Labour market participation	Elementary job characteristics	STAPRO	Status in employment in main job	1	Self-employed person with employees	Individuals where MAINSTAT = 1	Collected
				2	Self-employed person without employees		
				3	Employee		
				4	Family worker (unpaid)		
				Blank	Not stated		
				9	Not applicable		

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
03.Labour market participation	Elementary job characteristics	NACE1D (optional)	Economic activity of the local unit for main job (optional)	Not blank Blank 9	NACE code at section level (one character (from A to S)) Not stated Not applicable	Individuals where MAINSTAT = 1	Collected
03.Labour market participation	Elementary job characteristics	ISCO2D	Occupation in main job	nn Blank -1	ISCO code at 2-digit level Not stated Not applicable	Individuals where MAINSTAT = 1	Collected
03.Labour market participation	Elementary job characteristics	OCC_ICT	ICT professional or non-ICT professional	1 0 Blank 9	ICT professional Non-ICT professional Not stated Not applicable	Individuals where MAINSTAT = 1	Collected
03.Labour market participation	Elementary job characteristics	OCC_MAN	Manual worker or non-manual worker	1 0 Blank 9	Manual worker Non-manual worker Not stated Not applicable	Individuals where MAINSTAT = 1	Collected
03.Labour market participation	Elementary job characteristics	EMPST_WKT (optional)	Full- or part-time main job (self-defined) (optional)	1 2 Blank 9	Full-time job Part-time job Not stated Not applicable	Individuals where MAINSTAT = 1	Collected
03.Labour market participation	Duration of contract	EMPST_-CONTR (optional)	Permanency of main job (optional)	1 2 Blank 9	Permanent job Fixed-term contract Not stated Not applicable	Individuals where STAPRO = 3	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
04.Educational attainment and background	Educational attainment level	ISCEDD	Educational attainment level (highest level of education successfully completed)	0	No formal education or below ISCED 1	All individuals aged 16 and more	Collected
				1	ISCED 1 Primary education		
				2	ISCED 2 Lower secondary education		
				3	ISCED 3 Upper secondary education		
				4	ISCED 4 Post-secondary non-tertiary education		
				5	ISCED 5 Short-cycle tertiary education		
				6	ISCED 6 Bachelor's or equivalent level		
				7	ISCED 7 Master's or equivalent level		
				8	ISCED 8 Doctoral or equivalent level		
				Blank	Not stated		
				9	Not applicable		
04.Educational attainment and background	Educational attainment level	ISCED	Educational attainment level aggregated	0	At most lower secondary education level (ISCEDD = 0, 1 or 2)	All individuals aged 16 and more	Derived
				3	Upper secondary and post-secondary non-tertiary education (ISCEDD = 3 or 4)		
				5	Tertiary education (ISCEDD = 5, 6, 7 or 8)		
				Blank	Not stated		
				9	Not applicable		
5. Health: status and disability, access to, availability and use of health care and health determinants	Elements of the Minimum European Health Module	GALI	Limitation in activities because of health problems	1	Severely limited	All individuals aged 16 and more	Collected
				2	Limited but not severely		
				3	Not limited at all		
				Blank	Not stated		
				9	Not applicable		

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
06. Income, consumption and elements of wealth, including debts	Total monthly household income	HH_IQ5	Total average net current monthly income	1	Lower equivalised net current monthly income group	All households	Collected
				2	Low to medium equivalised net current monthly income group		
				3	Medium equivalised net current monthly income group		
				4	Medium to high equivalised net current monthly income group		
				5	Higher equivalised net current monthly income group		
				Blank	Not stated		
07. Information society participation	Access to ICT	IACC	Access of the household to the internet at home (by any device)	1	Yes	All households	Collected
				0	No		
				8	Don't know		
				Blank	Not stated		
07. Information society participation	Use and frequency of use of ICT	IU	Most recent internet use, at any location, with any enabling device	1	Within the last 3 months	All individuals	Collected
				2	Between 3 months and a year ago		
				3	More than 1 year ago		
				4	Never used it		
				Blank	Not stated		
07. Information society participation	Use and frequency of use of ICT	IFUS	Average frequency of internet use in the last 3 months	1	Several times during the day	Individuals where IU = 1	Collected
				2	Once a day or almost every day		
				3	At least once a week (but not every day)		
				4	Less than once a week		
				9	Not applicable		
				Blank	Not stated		

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Internet activities	IUEM	Internet use in the last 3 months for private purpose for sending/receiving e-mails	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUPH1	Internet use in the last 3 months for private purpose for making calls (including video calls) over the internet	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUSNET	Internet use in the last 3 months for private purpose for participating in social networks (creating user profile, posting messages or other contributions)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUCHAT1	Internet use in the last 3 months for private purpose for instant messaging (exchanging messages)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUIF	Internet use in the last 3 months for private purpose for finding information about goods or services	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUNW1	Internet use in the last 3 months for private purpose for reading online news sites, newspapers or news magazines	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUPOL2	Internet use in the last 3 months for private purpose for expressing opinions on civic or political issues on websites or in social media	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Internet activities	IUVOTE	Internet use in the last 3 months for private purpose for taking part in online consultations or voting to define civic or political issues (such as urban planning, signing a petition)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUMUSS1	Internet use in the last 3 months for private purpose for listening to music (such as web radio, music streaming) or downloading music	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUSTV	Internet use in the last 3 months for private purpose for watching internet streamed TV (live or catch-up) from TV broadcasters (such as [national examples])	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUVOD	Internet use in the last 3 months for private purpose for watching Video on Demand from commercial services	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUVSS	Internet use in the last 3 months for private purpose for watching video content from sharing services	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUPDG	Internet use in the last 3 months for private purpose for playing or downloading games	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Internet activities	IUPCAST (optional)	Internet use in the last 3 months for private purpose for listening to podcasts or downloading podcasts (optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IHIF	Internet use in the last 3 months for private purpose for seeking health-related information (such as about injuries, diseases, nutrition, improving health)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUMAPP	Internet use in the last 3 months for private purpose for making an appointment with a practitioner via a website or app (such as of a hospital or a health care centre)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUAPR	Internet use in the last 3 months for private purpose for accessing personal health records online	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUOHC	Internet use in the last 3 months for private purpose for using other health services via a website or app instead of having to go to the hospital or visit a doctor (such as by getting a prescription or a consultation online)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Internet activities	IUSELL	Internet use in the last 3 months for private purpose for selling goods or services via a website or app	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUBK	Internet use in the last 3 months for private purpose for internet banking (including mobile banking)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUOLC	Internet use in the last 3 months for conducting learning activities for educational, professional or private purposes, by doing an online course	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUOLM	Internet use in the last 3 months for conducting learning activities for educational, professional or private purposes, by using online learning material other than a complete online course (such as video tutorials, webinars, electronic textbooks, learning apps or platforms)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Internet activities	IUOCIS1	Internet use in the last 3 months for conducting learning activities for educational, professional or private purposes, by communicating with educators or learners using audio or video online tools	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Internet activities	IUOFE	Learning activities the respondent participated in, in the last 3 months, for formal education (e.g. school or university)	1 0 9	Ticked Not ticked Not applicable	Individuals where IUOLC = 1 or IUOLM = 1 or IUOCIS1 = 1	Collected
07. Information society participation	Internet activities	IUOW	Learning activities the respondent participated in, in the last 3 months, for professional/work-related purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IUOLC = 1 or IUOLM = 1 or IUOCIS1 = 1	Collected
07. Information society participation	Internet activities	IUOPP	Learning activities the respondent participated in, in the last 3 months, for private purpose	1 0 9	Ticked Not ticked Not applicable	Individuals where IUOLC = 1 or IUOLM = 1 or IUOCIS1 = 1	Collected
07. Information society participation	Interaction with public authorities	IGOVIP	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in accessing by the respondent information about himself/herself stored by public authorities or public services	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1 or IU = 2	Collected
07. Information society participation	Interaction with public authorities	IGOVIDB	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in accessing by the respondent information from public databases or registers (such as information about availability of books in public libraries, cadastral registers, enterprise registers)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1 or IU = 2	Collected
07. Information society participation	Interaction with public authorities	IGOV12IF	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in obtaining by the respondent information (e.g. about services, benefits, entitlements, laws, opening hours)	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1 or IU = 2	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Interaction with public authorities	IGOVIX	Respondent has not accessed any personal records or databases nor obtained any information via a website or app of public authorities or public services for private purpose in the last 12 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1 or IU = 2	Collected
07. Information society participation	Interaction with public authorities	IGOV12FM	Downloading/printing official forms by the respondent from a website or app of public authorities or public services for private purpose in the last 12 months	1 0 Blank 9	Yes No Not stated Not applicable	Individuals where IU = 1 or IU = 2	Collected
07. Information society participation	Interaction with public authorities	IGOVAPR	Making an appointment or reservation by the respondent via a website or app with public authorities or public services (such as reservation of a book in a public library, appointment with a government servant or a state healthcare provider) for private purpose in the last 12 months	1 0 Blank 9	Yes No Not stated Not applicable	Individuals where IU = 1 or IU = 2	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Interaction with public authorities	IGOVPOST (Optional)	Receiving by the respondent any official communication or documents sent by public authorities via the respondent's account on a website or app (name of the service, if applicable in the country) of public authorities or services (such as notifications of fines or invoices, letters; service of court summons, court documents, [national examples]) for private purpose in the last 12 months? Usage of email or SMS based information messages or notifications that a document is available should be excluded.(optional)	1 0 Blank 9	Yes No Option not included or Not Stated Not applicable	Individuals where IU = 1 or IU = 2	Collected
07. Information society participation	Interaction with public authorities	IGOVTAX1	Submitting the respondent's own tax declaration via a website or app for private purpose in the last 12 months	1 2 3 4 5 9 Blank	Yes, the respondent did it himself/herself No, it was done automatically (by the tax authority, employer, other authority) No, the respondent delivered it to the tax authority in paper format No, someone else did it on the respondent's behalf (e.g. family member, tax adviser) No, for other reasons (e.g. not subject to income tax) Not applicable Not stated	Individuals where IU = 1 or IU = 2	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Interaction with public authorities	IGOVODC	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in requesting by the respondent official documents or certificates (such as graduation, birth, marriage, divorce, death, residence certificates, police or criminal records, [national examples])	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1 or IU = 2	Collected
07. Information society participation	Interaction with public authorities	IGOVBE	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in requesting by the respondent benefits or entitlements (such as pension, unemployment, child allowance, enrolment in schools, universities, [national examples])	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1 or IU = 2	Collected
07. Information society participation	Interaction with public authorities	IGOVRCC	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in making by the respondent other requests, claims or complaints (such as reporting theft to the police, launching a legal complaint, requesting legal aid, initiating a civil claim procedure in front of a court, [national examples])	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1 or IU = 2	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Interaction with public authorities	IRGOVNN	Reasons for not requesting any official documents or not making any claims via a website or app of public authorities or public services in the last 12 months – respondent did not have to request any documents or to make any claims	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVODC = 0 and IGOVBE = 0 and IGOVRCC = 0	Collected
07. Information society participation	Interaction with public authorities	IRGOVLS	Reasons for not requesting any official documents or not making any claims via a website or app of public authorities or public services in the last 12 months – lack of skills or knowledge (e.g. respondent did not know how to use the website or app or it was too complicated to use)	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVODC = 0 and IGOVBE = 0 and IGOVRCC = 0	Collected
07. Information society participation	Interaction with public authorities	IRGOVSEC	Reasons for not requesting any official documents or not making any claims via a website or app of public authorities or public services in the last 12 months – concerns about the security of personal data or unwillingness to pay online (credit card fraud)	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVODC = 0 and IGOVBE = 0 and IGOVRCC = 0	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Interaction with public authorities	IRGOVEID (Optional)	Reasons for not requesting any official documents or not making any claims via a website or app of public authorities or public services in the last 12 months – lack of electronic signature, activated electronic identification (eID) or any other tool to use the eID (required for using the services) [national examples] (optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IGOVODC = 0 and IGOVBE = 0 and IGOVRCC = 0	Collected
07. Information society participation	Interaction with public authorities	IRGOVOP	Reasons for not requesting any official documents or not making any claims via a website or app of public authorities or public services in the last 12 months – another person did it on the respondent's behalf (e.g. consultant, adviser, relative)	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVODC = 0 and IGOVBE = 0 and IGOVRCC = 0	Collected
07. Information society participation	Interaction with public authorities	IRGOVOTH	Reasons for not requesting any official documents or not making any claims via a website or app of public authorities or public services in the last 12 months – other reason	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVODC = 0 and IGOVBE = 0 and IGOVRCC = 0	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Interaction with public authorities	IGOVANYS	Respondent has interacted with public authorities	9 1 0	IF IU<> 1 and IU<> 2 THEN 9 ELSE IF IGOVIP = 1 or IGOVIDB = 1 or IGOV12IF = 1 or IGOV12FM = 1 or IGOVAPR = 1 or IGOVPOST = 1 or IGOVTAX1 = 1 or IGOVODC = 1 or IGOVBE = 1 or IGOVRCC = 1 THEN 1 ELSE 0	Individuals where IU = 1 or IU = 2	Derived
07. Information society participation	Interaction with public authorities	IIGOVDU	Issues when using a website or app of public authorities or public services in the last 12 months – website or app was difficult to use (e.g. it was not user-friendly, the wording was not clear, procedure was not well explained)	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVANYS = 1	Collected
07. Information society participation	Interaction with public authorities	IIGOVTP	Issues when using a website or app of public authorities or public services in the last 12 months –technical problems experienced when using website or app (e.g. long loading, website crashed)	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVANYS = 1	Collected
07. Information society participation	Interaction with public authorities	IIGOVEID (Optional)	Issues when using a website or app of public authorities or public services in the last 12 months –problems in using the electronic signature or electronic identification (eID) (optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IGOVANYS = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Interaction with public authorities	IIGOVPAY (Optional)	Issues when using a website or app of public authorities or public services in the last 12 months – the respondent was not able to pay via the website or app (e.g. due to lack of access to the payment methods required) (optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IGOVANYS = 1	Collected
07. Information society participation	Interaction with public authorities	IIGOVMOB	Issues when using a website or app of public authorities or public services in the last 12 months – the respondent was not able to access the service on smartphone or tablet (e.g. non compatible device version or non-available applications)	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVANYS = 1	Collected
07. Information society participation	Interaction with public authorities	IIGOVOTH	Issues when using a website or app of public authorities or public services in the last 12 months –other issue	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVANYS = 1	Collected
07. Information society participation	Interaction with public authorities	IIGOVX	The respondent has not encountered any issues when using a website or app of public authorities or public services in the last 12 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IGOVANYS = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	IBUY	Last purchase or order of goods or services over the internet for private use	1 2 3 4 Blank 9	Within the last 3 months Between 3 months and a year ago More than 1 year ago Never bought or ordered over the internet Not stated Not applicable	Individuals where IU = 1 or IU = 2	Collected
07. Information society participation	e-Commerce	BCLOT1	Internet use for buying clothes (including sport clothing), shoes or accessories (such as bags, jewellery) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BSPG	Internet use for buying sports goods (excluding sport clothing) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BCG	Internet use for buying children toys or childcare items (such as nappies, bottles, baby strollers) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BFURN1	Internet use for buying furniture, home accessories (such as carpets or curtains) or gardening products (such as tools, plants) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BMUSG	Internet use for buying music as CDs, vinyls etc. from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BFLMG	Internet use for buying films or series as DVDs, Blu-ray etc. from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BBOOKNLG	Internet use for buying printed books, magazines or newspapers from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BHARD1	Internet use for buying computers, tablets, mobile phones or accessories from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BEEQU1	Internet use for buying consumer electronics (such as TV-sets, stereos, cameras, sound bars or smart speakers, virtual assistants) or household appliances (such as washing machines) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BMED1	Internet use for buying medicine or dietary supplements such as vitamins (excluding online renewal of prescriptions) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BFDR	Internet use for buying deliveries from restaurants, fast-food chains, catering services from enterprises or private persons via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BFDS	Internet use for buying food or beverages from stores or from meal-kits providers from enterprises or private persons via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BCBW	Internet use for buying cosmetics, beauty or wellness products from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BCPH	Internet use for buying cleaning products or personal hygiene products (such as toothbrushes, handkerchiefs, washing detergents, cleaning cloths) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BBMC	Internet use for buying bicycles, mopeds, cars, or other vehicles or their spare parts from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BOPG	Internet use for buying other physical goods from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BPG_ANY	Internet use for buying any of the listed physical goods from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months	9 1 0	IF IBUY = Blank or IBUY<> 1 THEN 9 ELSE IF BCLOT1 = 1 or BSPG = 1 or BCG = 1 or BFURN1 = 1 or BMUSG = 1 or BFLMG = 1 or BBOOKNLG = 1 or BHARD1 = 1 or BEEQU1 = 1 or BMED1 = 1 or BFDR = 1 or BFDS = 1 or BCBW = 1 or BCPH = 1 or BBMC = 1 or BOPG = 1 THEN 1 ELSE 0	Individuals where IBUY = 1	Derived
07. Information society participation	e-Commerce	BPG_DOM	Internet use for buying goods via a website or app in the last 3 months from national sellers (from enterprises or private persons)	1 0 9	Ticked Not ticked Not applicable	Individuals where BPG_ANY = 1	Collected
07. Information society participation	e-Commerce	BPG_EU	Internet use for buying goods via a website or app in the last 3 months from sellers from other EU countries (from enterprises or private persons)	1 0 9	Ticked Not ticked Not applicable	Individuals where BPG_ANY = 1	Collected
07. Information society participation	e-Commerce	BPG_WRLD	Internet use for buying goods via a website or app in the last 3 months from sellers from the rest of the world (from enterprises or private persons)	1 0 9	Ticked Not ticked Not applicable	Individuals where BPG_ANY = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BPG_UNK	Internet use for buying goods via a website or app in the last 3 months from sellers which country of origin is not known (from enterprises or private persons)	1 0 9	Ticked Not ticked Not applicable	Individuals where BPG_ANY = 1	Collected
07. Information society participation	e-Commerce	BPG_PP	Goods bought from private persons via a website or app	1 0 Blank 9	Yes No Not stated Not applicable	Individuals where BPG_ANY = 1	Collected
07. Information society participation	e-Commerce	BMUSS	Internet use for buying or subscribing to music as a streaming service or downloads via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BFLMS	Internet use for buying or subscribing to films or series as a streaming service or downloads via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BBOOKNLS	Internet use for buying or subscribing to e-books, online-magazines or online-newspapers via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BGAMES	Internet use for buying or subscribing to games online or as downloads for smartphones, tablets, computers or consoles via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BSOFTS	Internet use for buying or subscribing to computer software or other software as downloads including upgrades via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BHLFTS	Internet use for buying or subscribing to apps related to health or fitness (excluding free apps) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BAPP	Internet use for buying or subscribing to other apps (such as apps related to learning languages, travelling, weather) (excluding free apps) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BSTICK	Internet use for buying tickets to sports events via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BCTICK	Internet use for buying tickets to cultural or other events (such as tickets to cinema, concerts, fairs) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BSIMC	Internet use for buying subscriptions to the internet or mobile phone connections via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BSUTIL	Internet use for buying subscriptions to electricity, water or heating supply, waste disposal or similar services via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BHHS	Internet use for buying household services (such as cleaning, babysitting, repair work, gardening) (also when bought from private persons) via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BHHS_PP	Internet use for buying household services from private persons via a website or app for private use in the last 3 months	1 0 Blank 9	Yes No Not stated Not applicable	Individuals where BHHS = 1	Collected
07. Information society participation	e-Commerce	BTPS_E	Internet use for buying transport services from a transport enterprise, such as local bus, flight or train ticket or taxi ride via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BTPS_PP	Internet use for buying transport services from a private person via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BRA_E	Internet use for renting accommodation from enterprises such as hotels or travel agencies via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
06. Information society participation	e-Commerce	BRA_PP	Internet use for renting accommodation from a private person via a website or app for private use in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BOTS (optional)	Internet use for buying any other services (excluding financial and insurance services) via a website or app for private use in the last 3 months (optional)	1 0 Blank 9	Yes No Option not included or not stated Not applicable	Individuals where IBUY = 1	Collected
07. Information society participation	e-Commerce	BFIN_IN1	Internet use for buying insurance policies, including travel insurance, also as a package together with for example a plane ticket, via a website or app for private purposes in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	e-Commerce	BFIN_CR1	Internet use for taking a loan or mortgage or arranging credit from banks or other financial providers via a website or app for private purposes in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	e-Commerce	BFIN_SH1	Internet use for buying or selling shares, bonds, units in funds or other financial assets via a website or app for private purposes in the last 3 months	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_DEM	Use of internet-connected thermostat, utility meter, lights, plug-ins or other internet-connected solutions for energy management for the respondent's home for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_DSEC	Use of internet-connected home alarm system, smoke detector, security cameras, door locks or other internet-connected security or safety solutions for the respondent's home for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_DHA	Use of internet-connected home appliances such as robot vacuums, fridges, ovens, coffee machines for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where rIU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Connection to the internet from anywhere	IOT_DVA	Use of a virtual assistant in the form of a smart speaker or of an app for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_DX	Respondent did not use any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where (IOT_DEM = Blank or IOT_DEM = 0) and (IOT_DSEC = Blank or IOT_DSEC = 0) and (IOT_DHA = Blank or IOT_DHA = 0) and (IOT_DVA = Blank or IOT_DVA = 0)	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_BDK	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – respondent did not know that such devices or systems exist	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_DX = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_BNN	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – respondent had no need to use those connected devices or systems	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_BDK = 0	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Connection to the internet from anywhere	IOT_BCST	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – costs too high	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_BDK = 0	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_BLC	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – lack of compatibility with other devices or systems	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_BDK = 0	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_BLSK	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – lack of skills to use those devices or systems	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_BDK = 0	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Connection to the internet from anywhere	IOT_BCPP	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – concerns about the privacy and protection of data about the respondent generated by those devices or systems	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_BDK = 0	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_BCSC	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – concerns about security (e.g. that the device or system will be hacked)	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_BDK = 0	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_BCSH	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – concerns about safety or health (e.g. that the use of the device or system could lead to an accident, injury or health problem)	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_BDK = 0	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Connection to the internet from anywhere	IOT_BOTH	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes – other reasons	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_BDK = 0	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_IUTV	Internet use on an internet-connected TV in the respondent's home for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_IUGC	Internet use on an internet-connected game console in the respondent's home for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_IUHA	Internet use on an internet-connected home audio system or smart speakers in the respondent's home for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_DCS	Use of an internet-connected smart watch, fitness band, internet-connected goggles or headsets, safety- trackers, internet-connected accessories, internet-connected clothes or shoes for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Connection to the internet from anywhere	IOT_DHE	Use of internet-connected devices for monitoring blood pressure, sugar level, body weight (such as smart scales) or other internet-connected devices for health and medical care for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_DTOY	Use of toys connected to the internet, such as robot toys (including educational) or dolls for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_DCAR	Use of a car with built-in wireless internet connection for private purposes	1 0 9	Ticked Not ticked Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_USE	Respondent used internet of things	9 1 0	IF IU = Blank or IU<> 1 THEN 9 ELSE IF IOT_DEM = 1 or IOT_DSEC = 1 or IOT_DHA = 1 or IOT_DVA = 1 or IOT_IUTV = 1 or IOT_IUGC = 1 or IOT_IUHA = 1 or IOT_DCS = 1 or IOT_DHE = 1 or IOT_DTOY = 1 or IOT_DCAR = 1 THEN 1 ELSE 0	Individuals where IU = 1	Derived
07. Information society participation	Connection to the internet from anywhere	IOT_PSEC	Problems encountered with the mentioned internet-connected devices or systems – security or privacy problems (e.g. the device or system was hacked, problems with the protection of information about the respondent and his/her family generated by those devices or systems)	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_USE = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Connection to the internet from anywhere	IOT_PSHE	Problems encountered with the mentioned internet-connected devices or systems – safety or health problems (e.g. the use of the device or system lead to an accident, injury or health problem)	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_USE = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_PDU	Problems encountered with the mentioned internet-connected devices or systems – difficulties with using the device (e.g. setting-up, installing, connecting, pairing the device)	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_USE = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_POTH	Problems encountered with the mentioned internet-connected devices or systems – other problems (such as connection problems, support problems)	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_USE = 1	Collected
07. Information society participation	Connection to the internet from anywhere	IOT_PX	Respondent has not encountered any problem with the mentioned internet-connected devices or systems	1 0 9	Ticked Not ticked Not applicable	Individuals where IOT_USE = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Effect of use	ECO_DMOB	Way in which the respondent dealt with his/her mobile phone or smartphone that he/she replaced or no longer use	1	It is still kept in respondent's household	Individuals where IU = 1	Collected
				2	It was sold or given away		
				3	It was disposed of in electronic waste collection/recycling (incl. leaving it to the retailer to dispose of)		
				4	It was disposed of but not in electronic waste collection/ recycling		
				5	It was never bought or is still in use		
				6	Other		
				Blank	Not stated		
				9	Not applicable		
07. Information society participation	Effect of use	ECO_DLT	Way in which the respondent dealt with his/her laptop or tablet that he/she replaced or no longer use	1	It is still kept in respondent's household	Individuals where IU = 1	Collected
				2	It was sold or given away		
				3	It was disposed of in electronic waste collection/recycling (incl. leaving it to the retailer to dispose of)		
				4	It was disposed of but not in electronic waste collection/ recycling		
				5	It was never bought or is still in use		
				6	Other		
				Blank	Not stated		
				9	Not applicable		

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Effect of use	ECO_DPC	Way in which the respondent dealt with his/her desktop computer that he/she replaced or no longer use	1	It is still kept in respondent's household	Individuals where IU = 1	Collected
				2	It was sold or given away		
				3	It was disposed of in electronic waste collection/recycling (incl. leaving it to the retailer to dispose of)		
				4	It was disposed of but not in electronic waste collection/ recycling		
				5	It was never bought or is still in use		
				6	Other		
				Blank	Not stated		
				9	Not applicable		
07. Information society participation	Effect of use	ECO_PP (Optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – price (Optional)	1	Ticked	Individuals where IU = 1	Collected
				0	Not ticked		
				Blank	Option not included		
				9	Not applicable		
07. Information society participation	Effect of use	ECO_PHD (Optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – hard drive characteristics (storage, speed), processor speed (Optional)	1	Ticked	Individuals where IU = 1	Collected
				0	Not ticked		
				Blank	Option not included		
				9	Not applicable		

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Effect of use	ECO_PECD (Optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – eco-design of the device e.g. durable, upgradeable and reparable designs that require fewer materials; environmentally friendly materials used for packaging, etc. (Optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Effect of use	ECO_PEG (Optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – possibility to extend the life span of the device by buying extra guarantee (Optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Effect of use	ECO_PEE (Optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – energy efficiency of the device (Optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Effect of use	ECO_PTBS (Optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – a take-back scheme offered by manufacturer or seller (i.e. the manufacturer or seller takes the device which becomes obsolete at no cost or offers discounts to the client to purchase another device) (Optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IU = 1	Collected
07. Information society participation	Effect of use	ECO_PX (Optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – the respondent has not considered any of the mentioned characteristics (Optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IU = 1	Collected

Topic	Detailed topic	Variable identifier	Variable name/variable description	Codes	Labels/Categories	Filter	Variable type
07. Information society participation	Effect of use	ECO_PBX (Optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – the respondent never bought any of these devices (Optional)	1 0 Blank 9	Ticked Not ticked Option not included Not applicable	Individuals where IU = 1	Collected