ESS9 2018 Data Protocol

Edition 1.4 August 2019

Introduction

The object of the ESS9 2018 Data Protocol is to offer a comprehensive document with specifications and procedures to be used in the production of national ESS data files. The underlying principle is that resources put into the planning phase of an international survey result in national data of higher quality and standardisation, which in turn will advance the release of the integrated (official ESS9 2018) data files from the ESS website, www.europeansocialsurvey.org.

In general, the Data Protocol gives specifications for the coding of data, the production and delivery of data files and other electronic deliverables. Some of the specifications, for example coding standards, are found elsewhere on the ESS9 NC Intranet, www.europeansocialsurvey.org/intranet/nc.

The Data Protocol defines what the National Teams are required to deposit to the ESS Archive. If the content and quality of the electronic deliverables do not adhere to the specifications in the Data Protocol and the ESS9 NC Intranet, the archive reserves the right to ask for new deliverables.

Please read all sections of this Data Protocol. The first section A describes how the communication between the archive and the data providers is organised.

Section B, "Electronic deliverables", gives an overview of the files and documents the National Teams are asked to deliver to the archive. Section B does also describe the more practical issues concerning data delivery, as well as instructions on minimum requirements for disclosure risk assessment. Please pay special attention to section B4, B6 and B7 all concerning anonymisation.

Section C of the Data Protocol deals with "principles of variable definitions". This section gives detailed information on the usage of missing values, how multiple responses are dealt with, as well as the rationale behind variable names, labels and categories. Please pay special attention to the coding of "Refusals" in section C1.

The use of international standards is described in section D. To avoid the use of different versions of the same international standards across countries, the National Teams are required to use the standards made available from the ESS9 NC Intranet.

Special variable topics like country-specific variables and administrative variables (including Contact form data) are listed, explained and specified in section E, whereas section F contains tables of variable names and definitions for all data files. Section F5 contains a flowchart documenting the routings in the ESS core and rotating parts of the questionnaire, and section F6 contains a flowchart documenting the routings in the Contact Form data.

Section G refers to programmes for applying labels, categories, and formats in SPSS and SAS. The programmes will be made available from the ESS9 NC Intranet.

Information about National Technical Summaries (NTS) is found in section H of the Data Protocol.

The National Teams will be informed by e-mail when the Data Protocol and the ESS9 NC Intranet are updated.

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Content

Changes from previous editions

Changes from edition 1.3

Changes in section E3 (Administrative variables):
References to data files corrected to File 1, cf. table F1.j, for variables INTAGEA and INTGND.

Changes in section F5.6 (Flowchart, Main questionnaire, section G):
G8 (FVGABC): Routing instructions corrected from "if code 1 at F2 […]" to "if code 1 at F1 […]".
G9a (GRSPNUM): Routing instructions corrected to: "GO TO G11a: If 0 or >0 at G9a".

Changes from edition 1.2

Changes in section F. 1g (Table F.1g Data file 1: Main questionnaire, section G):
G8 (FVGABC) – G17 (OCCINFR): Values 6, 66, 6666666 ("not applicable") included as option for variables G8 and G8a/b/c to G17 a/b/c.

Change in section F5.6 (F5.6 Flowchart, Main questionnaire, section G):
G8 (FVGABC): Option 6 ("not applicable") added to figure for variable G8.

Changes from edition 1.1

Changes in section B. 1 (Deliverables to NSD):
CAPI questionnaire reintroduced as separate deliverable (page 10)
SBATCH: Variable indicating sample batch number (on first entry into the field) for each sample unit added to the Contact form data file (page 80)

Changes from edition 1.0

Changes in section F.5 (Flowchart of the routings in the ESS main questionnaire):
A3 (NETUSTM): Routing instructions corrected to: "ASK A3: If code 4, 5 at A2".
After A3 (NETUSTM): Text in grey box corrected to "A4 to B12 ASK ALL".
B23 (CLSPRTY), C12 (RLGDNM) and C14 (RLGDNME): Arrows in figure corrected.
After C24 (LIVECNTA): Text in grey box corrected to "C25 to C27" ASK ALL.
D1 (EVPDEMP) and D2 (PDEMPYR): Figure corrected.

Main changes from the ESS round 8 Data Protocol

Section B has been re-organised. New numbering of B1 through B7.

B1 Deliverables to NSD, overview.
In ESS9 Media claims data and documentation are no longer deliverables.

B4.1 Disclosure risk assessment and anonymisation.
B4.2 File 1 data from the Main questionnaire including administrative variables.
Please pay special attention to minimum requirements for disclosure risk assessment.

B7 Deletion of scrambling key.
New requirement.

E1.9 Timing of life-course events.
New sub-section due to rotating module on timing of life.

Former F7 Variable list.
No longer included in the ESS Data Protocol. Please see tables in F4 and the Programmes for applying Data Protocol variable names, labels and categories as well as the programme for renaming variables in the Main and Interviewer's questionnaires from number to ESS mnemonic names syntax.

A. Procedures for the collaboration between the National Teams and NSD

The ESS9 NC Intranet

The ESS9 NC Intranet at www.europeansocialsurvey.org/intranet/nc will be the central meeting place between NSD and the National Teams during the data delivery and data processing phases of the project. One purpose of the ESS9 NC Intranet is to give all parties in the project easy access to the common set of tools and utilities that are used in the planning and production of the data files. Another purpose is to make the data processing at NSD as transparent as possible. The ESS9 NC Intranet also provides secure transfer of possibly indirectly identifiable data from the National Teams to the Archive. By using the ESS9 NC Intranet, the National Teams can control their data delivery, and audit NSD's data processing.

The NSD team and primary contact persons

The responsibility for the ESS round 9 data at NSD is shared by a team of persons who are trained in the processing of comparative survey data. Each ESS country will be assigned a primary contact person. This person will have the main responsibility for the production of the country's data files. The NSD team has a project email address, essdata@nsd.no. When you send emails to your contact person, please address them to the project email address. This will ensure that your emails are read even if your contact person is out of office.

Consultation processes

Prior to the fieldwork period, consultation processes have been initiated on the measures of partnership status (relationship status and legal marital status), education, religion, income and ancestry. The National Teams are asked to answer specific queries regarding coding templates well in advance of the start of the fieldwork. The purpose of the consultation process is to improve data quality, as well as ease the data processing burden post-fieldwork. The outcome of these consultation processes will be made available from the ESS9 NC Intranet.

Data deposit

When electronic deliverables (see section B) are ready for delivery to the archive, the National Teams are required to use the "Deposit data" option on the ESS9 NC Intranet. When the transfer is successfully completed, the NSD team will automatically be notified by the system. NSD will shortly after get in touch with the National Teams confirming the delivery. Indirectly identifiable data (see section B5) must be deposited on weekdays Monday to Friday before 14.00 CET. This is to ensure that the Archive is able to encrypt and move the data to a restricted secure area on the same day as the data have been deposited.

Data processing

The "Archive processing" option on the ESS9 NC Intranet gives the National Teams access to the data processing catalogue of their country. All programmes, data files and output used in the processing will be available for download, making the archive's work as transparent as possible. The production and cleaning of data will be based on a dialogue between NSD and the National Teams. Whenever the processing involves decisions not specified in the standard procedures, the National Team will be notified and asked for advice. Processing will be done in two main steps, each followed by a report documenting the results.

Please be aware that if (parts of) the data files or documentation deviate too much from the specifications in the Data Protocol, the National Team might be asked to make a new delivery containing corrected data and/or documentation.

Data validation

When the processing of data is completed, the National Team will be notified and asked to go through NSD's data processing report and drafts of the country's data files for validation. Only when the processing and the draft file have been approved by the National Team can the files be finalised and included in the integrated files.

Please be aware that the draft file from NSD will be a trial dataset made available in confidence for the National Co-ordinator, so that preliminary analyses may be undertaken as a means of 'testing' the data in advance of their widespread distribution. The file should be available only to persons who have been registered by the CST as members of the National Coordinator's team.

B. Electronic deliverables

The deadline for submitting **all** data and documentation files to the archive is ***FEBRUARY 28th 2019***.

The National Teams are required to use the ESS9 NC Intranet to deposit their files. The NC Intranet provides secure transfer of all data, thus ensuring that possible indirectly identifiable data are both transferred and stored according to national and EU regulations. All national data files that arrive fully documented and in adherence with the specifications of the Data Protocol, within the deadline, will be included in the first release of the integrated data file in October 2019. The processing of various country data arriving after the deadline will be executed on a "first come first served basis".

B1. Deliverables to NSD

The electronic deliverables to NSD include data files as well as text files documenting the national survey. When several files are submitted at the same time, please zip them into one file before uploading them to the ESS Archive. The data files should be delivered with variable names, labels and categories as specified in the ESS9 Data Protocol (see section F and G).

In ESS round 9 a Fieldwork Management System (FMS) App generating Contact Form output will be tested by a few countries. Instructions on preparation of Contact Form data and deposit of these will be provided separately for these countries. Countries using the FMS upload portal will, however, still need to generate and deposit their Contact Form dataset according to the protocol set out in this document.

Deliverables	Possible file formats	Comment
Data files		
1. Main questionnaire, including administrative variables (MS). 2. Interviewer questionnaire (I) 3. Contact form (CF)	• SPSS system file • SPSS portable file • SPSS set up, reading data file • SAS system file, Windows • SAS portable file • SAS set up, reading data file	See sections F1 – F3 and G in Data Protocol, and "Data Protocol and variable definitions" under *Prepare data* on the ESS9 NC Intranet for specifications of files
4. Sample design data file (SDDF)		See section B5.1 and F4
5. Raw data		See section B5.2 for specification of file
6. Parents' occupation (POCC)	• Same as 1-3, (Delimited text format possible for verbatim recorded answers)	See section B5.3 for specification of file
7. Verbatim recorded answers		See section B5.4 for specification of file
8. Verbatim recorded Ancestry		See section B5.5 for specification of file
Documents		
10. National Technical Summary (NTS), including appendices	• PDF form (recommended) • Word Processing Format	See section H in Data Protocol and "Survey documentation" on the ESS9 NC Intranet
11. Population statistics	• Excel or other spreadsheet format	
12. Main questionnaire 13. Interviewer questionnaire 14. Contact form 15. Show cards 16. Interviewer and fieldwork instructions 17. Interviewer training material 18. Advance letters, brochures and other written information to the respondents	• Word Processing Format • PDF	In all languages fielded in the country Please compile the show cards in one file (one file for each language fielded in the country)
19. CAPI questionnaire	• Word Processing Format • PDF • TXT	Can be delivered as either a syntax or a questionnaire generated by the CAPI software.

B2. Common identifiers in data files

The files deposited to NSD should be prepared for merging, therefore all files must have common identifiers, i.e. respondents' identification number and country code (see section E2). Please make sure that the identification numbers are consistent across all data files.

B3. Checking data

The National Teams are asked to check and edit the data with respect to uniqueness and consistency of identification number(s), wild codes and data consistency. The final wild code

checking should be done after the Data Protocol variable names, labels and categories have been applied to the national data files (see section G).

The minimum requirement is that all data verification and editing depending on access to CAPI files must be done prior to delivering the data to the ESS Archive.

As a final check when the National Teams have received the draft file from NSD, we ask the teams to compare the frequency distributions in the draft file with those of the original data file as generated from the CAPI programmes.

The National Teams are asked to supply information about the coding and cleaning procedures in the National Technical Summaries (see section H).

B4. Data for publication on the ESS Website, files 1, 2, 3

B4.1 Disclosure risk assessment and anonymisation

In accordance with information provided to the ESS respondents, only anonymised data will be made freely available to users. Before depositing data to NSD, each National Team is responsible for checking their data with confidentiality in mind. The National Teams will be asked to confirm in their National Technical Summary (NTS) that the data have been assessed in accordance with the ESS minimum requirements (see below B4.2) and anonymised in accordance with the GDPR and national regulations on protection of individuals with regard to the processing of personal data (see https://eur-lex.europa.eu/eli/reg/2016/679/oj). In the NTS, the National Teams will also be asked to document which variables they have assessed and any anonymisation tehcniques used on specific variables.

The checking of anonymity has to be done under the premise that the freely distributed data files MS, I and CF will be merged. The SDDFs will only be released if they are anonymous in combination with these files. Some standard precautions should be made to ensure that the ESS data files embody as much information as possible and still comply with the demands of confidentiality.

B4.2 File 1 data from the Main questionnaire including administrative variables

Even if all direct individual identifiers are removed, the main dataset contains a lot of factual information about the respondent. Combining information about age, household, ancestry, region of residence etc. increase the risk of disclosure of the respondents. The disclosure risk will, however, depend on the population size and other characteristics of the country. Disclosure risk must therefore be assessed at a country and regional level by each National Team. As of ESS round 9 the Core Scientific Team of the ESS (CST) have agreed on a set of minimum requirements for all countries to reduce the disclosure risk.

The National Teams are as a minimum required to perform the following precautions:

      a. IDNO - Respondent identification number: The number must not contain characteristics of the respondent, for instance by reference to a geographical area.

      b. YRBRN – Year of birth respondent: Forms the basis for calculation of age. Year of birth must be recoded for the upper age groups as following: YRBRN<=1928 coded to 1928 for countries starting fieldwork in 2018. YRBRN<=1929 coded to 1929 for countries starting fieldwork in 2019.

c. REGIONxx - Region (country-specific variable): the categories of the variable should cover areas of large populations to minimise disclosure risk, and be in accordance with the requirements specified in section E1.4.

d. Ancestry (ANCTRY1, ANCTRY2), citizenship (CTZSHIPC), country of birth (CNTBRTHC), father's country of birth (FBRNCNTB) and mother's country of birth (MBRNCNTB), and language most often spoken at home (LNGHOM1, LNGHOM2) must all be assessed with respect to disclosure risk comparing frequencies and cross tabulations with population statistics at a national and regional level. It is strongly recommended that citizenship (CTZSHIPC), country of birth (CNTBRTHC) and country of birth of parents (FBRNCNTB, MBRNCNTB) are assessed together since they might represent combination of minority groups.

e. Household size (HHMMB) and year of birth of household members (YRBRN2-N) should be assessed for outliers.

In addition to the minimum requirements listed above (a-e), National Teams are encouraged to also assess disclosure risks with respect to other variables, for example four-digit occupation codes. Countries already performing more extensive checks should of course continue to do so.

B4.3 File 2 data from the Interviewer's questionnaire
Minimum requirements to reduce disclosure risk:
a. IDNO - Respondent identification number: The number must not contain characteristics of the respondent, for instance by reference to a geographical area.
b. INTNUM - Interviewer identification number: if the number contains characteristics of the interviewer, for instance by reference to a geographical area replace the number before deposit.

For anonymity reasons, please ensure that the INTNUMs are not the same as in previous ESS rounds or used in other surveys of the fieldwork organisation.

B4.4 File 3 data from the Contact forms
Minimum requirements to reduce disclosure risk:
a. IDNO - Respondent identification number: The number must not contain characteristics of the respondent, for instance by reference to a geographical area.
b. INTNUM1-3 - Interviewer identification number: if the number contains characteristics of the interviewer, for instance by reference to a geographical area replace the number before deposit.

For anonymity reasons, please ensure that the INTNUMs are not the same as in previous ESS rounds or used in other surveys of the fieldwork organisation.

B5. Indirectly identifiable data, files 4, 5, 6, 7 and 8
The SDDF data, raw data, verbatim recorded parents' occupation and other verbatim recorded answers can – in combination with interview data – contain indirectly identifiable information.

The indirectly identifiable data must be deposited to the ESS Archive in accordance with the Data processor agreement between the ESS ERIC Controller and the National Coordinator and/or the Fieldwork organisation.

The indirectly identifiable data must be deposited to the Archive from the ESS9 NC Intranet on weekdays Monday to Friday before 14.00 CET. This is to ensure that the Archive is able to encrypt and move the data to a restricted secure area on the same day as the data have been deposited.

The indirectly identifiable data will not be released to the public from the ESS website, but will be stored in a safe environment in accordance with the Data processor agreement between the ESS ERIC Controller and NSD. Researchers can apply for temporary access to the data for research purposes. Access will only be given after approved applications and confidentiality agreements are in place.

B5.1. File 4: Sample design data files (SDDF)
The ESS Sampling and Weighting Expert Panel (SWEP) is responsible for the specifications and processing of the Sample design data files (SDDF), and the co-operation will be organised directly between the National Team and their contact person in the SWEP. The SDDF is to be uploaded to the ESS9 NC Intranet like all other electronic deliverables. The deposit of SDDF is mandatory. The ESS round 9 data deposit will not be regarded as complete without this file. NSD treats the SDDF data as non-anonymous.

B5.2. File 5: Raw data
In addition to the anonymised and processed data files, the raw data to all questions in the main questionnaire are to be uploaded to the ESS9 NC Intranet. By raw data we mean data as they were keyed in your CAPI system. Verbatim recorded answers should be included in this file. The preferred file formats for keyed raw data will be the same as for files 1 to 4. The files must contain the variable IDNO "RESPONDENT'S IDENTIFICATION NUMBER". NSD treats raw data as non-anonymous.

B5.3. File 6: Parents' occupation (POCC)
The main questionnaire includes questions about father's and mother's occupation when the respondent was 14 years old (F54 and F58). These verbatim recorded answers are not required to be post-coded, but can be registered as string variables (in original language), and should be deposited as a separate file to be archived at NSD.

The file can have different formats, preferably SPSS or SAS, but delimited text files or spreadsheets can also be used. The files must contain, in addition to the two verbatim variables, the variables IDNO "RESPONDENT'S IDENTIFICATION NUMBER" and CNTRY "COUNTRY". NSD treats parents' occupation data as non-anonymous.

B5.4 File 7: Verbatim recorded answers
All verbatim recorded answers are to be deposited as a separate file to the ESS9 NC Intranet. In addition to being present in the raw data file, the verbatim recorded answers should be deposited as a separate file. For ESS round 9 this includes answers to questions C21 (Citizenship), C23 (Country of birth), C25 (First and possible second language spoken at home), C28 (Father's country of birth), C30 (Mother's country of birth), F31 Industry (NACER2), F33 (Job title), F34 (Job description), F34a (Required qualifications), F47

(Partner's job title), F48 (Partner's job description), and F49 (Partner's required qualifications). Please use the ESS source question numbers as variable names

As with file 6, Parents' Occupation, the file can have different formats, preferably SPSS or SAS, but delimited text files or spreadsheets can also be used. The files must contain, in addition to the verbatim variables, the variables IDNO "RESPONDENT'S IDENTIFICATION NUMBER" and CNTRY "COUNTRY". The verbatim recorded answers might be indirectly identifiable and thus non-anonymous.

B5.5. File 8: Verbatim recorded Ancestry
In connection with measuring ancestry (F61), we request that the verbatim recorded answers in the "other" category are deposited as a separate variable. This will be used by the CST in the quality control of the item and to determine if the country specific showcards should be revised in future rounds.

As with file 6, the file can have different formats, preferably SPSS or SAS, but delimited text files or spreadsheets can also be used. The files must contain, in addition to the verbatim variables, the variables IDNO "RESPONDENT'S IDENTIFICATION NUMBER" and CNTRY "COUNTRY". The verbatim recorded answers might be indirectly identifiable and thus non-anonymous.

B6. Anonymisation techniques
If anonymisation is found necessary, it is recommended to use the following procedures, on a case by case basis in order to minimise information loss in the anonymised file.

> Aggregation
> Rounding
> Substitution
> Cell suppression

NSD will as before offer guidance during the assessment and anonymization process, but the final decisions will rest with the National Teams.

B7. Deletion of contact information
Once a country's data has been published the survey agency is required to delete the names and all contact information for respondents and non-respondents.

Survey agencies will be required to confirm to the ESS ERIC Controller they have done this in writing within 10 days of the data being published.

C. Principles of variable definitions

C1. Missing values

Analysis of item non-response is an important part of quality control of survey items, and consistent use of missing values in the questionnaire and other documentation ensures uniform coding of skips in the interview. The aim is that the ESS data files will contain detailed information on item non-response.

The missing values in the data files are defined in the following way:

Not applicable: 6, 66, 666 etc., where the respondent has been routed away from the question. This missing value might be coded in the national data files before deposit, but the coding will be overwritten by standardised procedures at NSD.

Refusals: 7, 77, 777 etc., where the respondent has explicitly refused. These codes are almost always available. They can be included in the list of answering options presented to the interviewers, or placed in administrative columns, menus etc., depending on the routines of the survey organisation.

Important notice:

Note that in most filters, "Refusals" (7, 77, 777 etc) are routed the same way as "Don't knows" (8, 88, 888 etc), the exceptions being filter variables C20 (CTZCNTR), F53 (EMPRF14) and F57 (EMPRM14).

Don't know: 8, 88, 888 etc. These codes are almost always available. They can be included in the list of answering options presented to the interviewers, or placed in administrative columns, menus etc., depending on the routines of the survey organisation.

No answer: 9, 99, 999 etc. are codes for missing data not elsewhere explained, for example respondent/interviewer errors and production/system errors. This missing value might be coded in the national data files before deposit, but the coding will be overwritten by standardised procedures at NSD. In administrative variables, 9, 99, 999 etc. are labelled "Not available".

C2. Multiple responses and missing values

In general, we think of multiple response as the result of a "mark all that apply" question, or "mention all that you think of" in open-ended questions. Examples of multiple response questions are "In which countries have you been on holiday during the last five years?" (open) and "Here is a list of voluntary organisations. Please tell me which of these organisations you are a member of" (closed).

In the ESS round 9 data files, multiple response variables will have the values 0 "Not marked" and 1 "Marked". Each group of multiple response variables will have one or more additional dichotomous variables for missing values.

One example is question F45a about what partner has been doing last 7 days, which results in the variables PDWRKP, EDCTNP, UEMPLAP, UEMPLIP, DSBLDP, RTRDP, CMSRVP, HSWRKP, DNGOTHP, DNGDKP (Don't know) and DNGREFP (Refusal). In addition, DNGNAPP (Not applicable) and DNGNAP (No answer) will be included in the data file. DNGNAPP and DNGNAP will be overwritten by standardised procedures at NSD, but can either be coded, or assigned the value 0 (zero) or

system missing in the national data files. In countries where CMSRVP is not applicable, the variable should be assigned the value 0 (zero) or system missing.

If the respondent does not have a partner, all variables will be assigned the value 0, except DNGNAPP (DOING LAST 7 DAYS, PARTNER: NOT APPLICABLE), which will be assigned the value 1. Correspondingly, if the respondent refuses to answer the question, DNGREFP should be coded as 1, the rest 0.

The following questions and variables are defined as multiple responses in the ESS round 9 questionnaires. Please ensure that the PROBE/PROMPT/"Code all that apply" instructions to the interviewers are included in the questionnaire.

C19:
DSCRRCE - DSCRNA
F17a:
PDWRK - DNGNA
F45a:
PDWRKP – DNGNAP
J6:
PREWHP – PRENA

If not applicable, **F17a:** CMSRV "DOING LAST 7 DAYS: COMMUNITY OR MILITARY SERVICE" and **F45a:** CMSRVP "PARTNER DOING LAST 7 DAYS: COMMUNITY OR MILITARY SERVICE" should be assigned the value 0 (zero) or system missing.

C3. Formats
The formats of variables are defined in the tables in section F. All numeric variables in the ESS round 9 core data files have the formats Fn.0, i.e. they are of width n and with no decimals. String variables have the formats An, with "n" assigning the number of characters.

The missing values often decide the format. If a routed variable has a scale from 1 to 5, there is room for "Not applicable" in value 6, and the variable will have the format F1.0. If the scale goes up to 6, the missing values have to begin at 66, and the format changes to F2.0.

C4. Variable names
The principles of variable definitions are bound by two factors: the limitations in statistical packages and the concern for user-friendly metadata. These factors limit the length of variable documentation included in the data files.

The CST has decided to use *mnemonic* variable names in the data files. The argument is that about half of the questionnaire (the Core) is replicated in all rounds of the ESS, and that several rotating modules are replicated. By using mnemonic variable names, different data files contain the same variable names for identical questions, making it easier for the users as well as the producers of cumulative files for several ESS rounds.

To ensure consistency in variable names, NSD has set up an internal guideline for abbreviations of frequently used concepts and words in questionnaires. The table below gives one example:

Concept	Abbreviation
Police	PLC
:	:
Trust	TRST/TST

Thus, question B8, "Trust in the police" becomes TRSTPLC.

In many statistical packages and portable files, the upper limit of variable names is eight characters. In order to allow for versions of a variable, the limit in ESS is normally seven characters, leaving space for documenting new versions of the variable with characters (A, B, C, etc.) as suffix. For example, between ESS round 1 and 2 the variable WRKCTR "Employment contract unlimited or limited duration" was changed to WRKCTRA, due to a new category that was added.

C5. Variable labels and categories

The most commonly used statistical packages allow for up to 255 characters in variable labels, but in the ESS data files variable labels will be limited to approximately 70 characters. One reason is that the user should be able to grasp the content "in one glance"; another reason is the formatting of outputs from the statistical packages.

For the same reasons, categories (value labels) are limited to approximately 40 characters.

D. Standards and classifications

The ESS9 NC Intranet at www.europeansocialsurvey.org/intranet/nc contains all coding standards and coding frames not documented in the source questionnaire or in the ESS9 2018 Data Protocol. All verbatim recorded answers *except F54 and F58* (see section E1.7) have to be post-coded according to international standards found on the ESS9 NC Intranet. In addition, some questions with country-specific design and categories have to be recoded into a common ESS coding frame.

The coding frames available on the ESS9 NC Intranet are compiled for use in the ESS round 9. They will remain fixed for the ESS round 9 survey, and they are to be considered as the *only valid standards* to be used.

D1. International standards
International standards have to be used in the post-coding of certain questions:

D1.1 ISO 3166-1, Country
C21: CTZSHIPC "CITIZENSHIP"
C23: CNTBRTHC "COUNTRY OF BIRTH"
C28: FBRNCNTB "COUNTRY OF BIRTH, FATHER"
C30: MBRNCNTB "COUNTRY OF BIRTH, MOTHER"
Format: A2
Comment: Standard also used in ESS8. The documents for download from the ESS9 NC Intranet also includes eight transitional code elements added by NSD: "01" for DDR, "02" for USSR, "03" for Czechoslovakia, "04" for Yugoslavia, "05" for East Timor, "06" for Serbia and Montenegro, "65" for Alien's passport and "XK" for Kosovo (temporary code under UN Security Council resolution 1244/99).

D1.2 ISO 639-2, Language
C25: LNGHOM1 "LANGUAGE MOST OFTEN SPOKEN AT HOME: FIRST MENTIONED"
LNGHOM2 "LANGUAGE MOST OFTEN SPOKEN AT HOME: SECOND MENTIONED"
J7: INTLNGA "INTERVIEW QUESTIONNAIRE LANGUAGE"
Format: A3
Comment: Standard also used in ESS8. To simplify the coding of question C25, the most common language(s) in a country can be listed for each of the two items, and if necessary be recoded into the three-character ISO 639-2.
Example: In Slovenia, the answer "Slovenian" can be marked by a tick in the questionnaire, and then registered as "slv" or "1" ("1" later to be recoded to "slv" before deposit).

D1.3 ISCO08, Occupation
F33–F34a: ISCO08 "OCCUPATION, ISCO08"
F47-F49: ISCO08P "OCCUPATION PARTNER, ISCO08"
Format: F5.0 (4-digit coding of occupations, missing values having the format F5.0)
Comment: Standard also used in ESS8. The ESS round 9 questionnaire includes three questions to be used in the post-coding of occupation: title, description of work and qualifications needed (F33-F34a resulting in ISCO08 for respondent, F47-F49 resulting in ISCO08P for partner). In addition, it may be helpful to use F31 in the post-coding of respondent's occupation, especially in major groups 2, 7 and 8, where information about industry assists in specifying the fourth ISCO digit.

Notes:　Please use the ISCO-08 manual, ISCO-08 Volume I book ("International Standard Classification of Occupations: Structure, group definitions and correspondence tables") available from the ESS9 NC Intranet website www.europeansocialsurvey.org/intranet/nc (Prepare data > Coding standards > Occupation).

It is particularly important to pay special attention to Part I section 2 "Conceptual framework, design, structure and content of ISCO-08" as well as Part 1 section 3 "Major changes between ISCO-88 and ISCO-08".

Quote Part 1 section 3 "Major changes between ISCO-88 and ISCO-08" pg.21.
"The overall system of major groups, sub-major groups, minor groups and unit groups used in ISCO-88 has been retained in ISCO-08. The ten major groups at the top level of the ISCO-88 structure can still be found in ISCO-08. The names of some of the major groups have been changed slightly so as to more clearly indicate their content, and some occupational groups have been moved from one major group to another. As a result, conversion of data directly from ISCO-88 major groups to ISCO-08 major groups is not possible.
A number of completely new sub-major groups, minor groups and unit groups have been introduced to ISCO-08, and several ISCO-88 groups at these levels have been merged with other groups or split into several groups.
These changes imply a break in series between statistics based on ISCO-88 and ISCO-08 at all levels in the classification hierarchy, although there is a one-to one correspondence between some specific groups below the major group level."

Every country must ensure that any use of a national coding frame and transition table comply with the ISCO-08 as it is provided on the ESS9 NC Intranet. The value labels/formats files described in section G can be used to check for compliance with the standard.

The ISCO standard includes codes on 1, 2, 3 and 4 digit levels, while the variables in the data file should have categories on four-digit level only (except Armed forces). Where no distinction is made below the level of major, sub-major or minor group, a corresponding four-digit category should be achieved by the addition of trailing zeros. The exception is Armed forces (Major group 0), where maximum number of digits is three as the first digit in a numerical variable cannot be zero.
For example if occupation is registered as 11 "Chief Executives, Senior Officials and Legislators" the value in the data file should be 1100. However if occupation is registered as 011 "Commissioned Armed Forces Officers", the value in the data file should be 110.

D1.4 NACE Rev.2 (2-digit version), Industry

F31: NACER2 "INDUSTRY, NACE REV.2"

Format:　F3.0 (2-digit coding of industry, missing values having the format F3.0)
Comment:　Standard also used in ESS8.
Notes:　For a detailed description of NACE Rev.2, please see "NACE Rev.2 – Statistical Classification of Economic Activity", available at the ESS9 NC Intranet through "Standards for post coded variables".

D2. ESS Coding frames
Common ESS coding frames apply to the following questions:

D2.1 ESS Coding frame - Religion
C12: RLGDNM "RELIGION OR DENOMINATION BELONGING TO AT PRESENT"
C14: RLGDNME "RELIGION OR DENOMINATION BELONGING TO IN THE PAST"
Comment: Coding frame also used in ESS8. See ESS9 NC Intranet. There will be a consultation process on the religion measure in Round 9 well in advance of the fieldwork period, where the National Teams are asked to revise the religion measure used in ESS8. Please use the coding and bridging agreed upon with the archive in the consultation process. If a country-specific instrument is used, the country-specific variables should be deposited.

D2.2 ESS Coding frame – Education
F15: EDULVLB "HIGHEST LEVEL OF EDUCATION"
    [EISCED "HIGHEST LEVEL OF EDUCATION, ES - ISCED"]
Comment: Coding frame also used in ESS8. In ESS5 the coding frame for educational attainment was changed to a more detailed ISCED based coding frame, and all participating countries were involved in a consultation process where new measures were developed. As in round 8, a short consultation process will also be held in round 9. For most countries that took part in ESS8, the coding and bridging which was agreed upon then should also be used in round 9. For some countries minor amendments might be needed.

For new countries and returning countries that did not take part in either ESS5, ESS6, ESS7 or ESS8, NSD and the ESS team at City University, London will arrange a consultation process to help the National Teams in the category set-up and bridging of the new measures. Silke Schneider, GESIS Mannheim, will act as an external expert to ensure a correct mapping from national variables into the new measures.

For an overview of the educational measures in ESS round 9, please see section E1.3.

Notes: Additional information about the educational measures in ESS round 9 is available in section E1.3 and F1.f in the ESS9 Data Protocol.

F44: EDULVLPB "PARTNER'S HIGHEST LEVEL OF EDUCATION"
    [EISCEDP "PARTNER'S HIGHEST LEVEL OF EDUCATION, ES - ISCED"]
F52: EDULVLFB "FATHER'S HIGHEST LEVEL OF EDUCATION"
    [EISCEDF "FATHER'S HIGHEST LEVEL OF EDUCATION, ES - ISCED"]
F56: EDULVLMB "MOTHER'S HIGHEST LEVEL OF EDUCATION"
    [EISCEDM "MOTHER'S HIGHEST LEVEL OF EDUCATION, ES - ISCED"]
Comment: Unless otherwise is agreed, the same instruments, bridging and variables as for the respondent should be produced for partner, father and mother.

D2.3 ESS Coding frame – Ancestry; The European Standard Classification of Cultural and Ethnic Groups (ESCEG)

F61: ANCTRY1 "FIRST ANCESTRY, EUROPEAN STANDARD CLASSIFICATION OF CULTURAL AND ETHNIC GROUPS"

ANCTRY2 "SECOND ANCESTRY, EUROPEAN STANDARD CLASSIFICATION OF CULTURAL AND ETHNIC GROUPS"

Format: F6.0 (5-digit coding of ancestry, missing values having the format F6.0)

Please note the following when it comes to post-coding the country-specific variables into the harmonised version of the ancestry variables:

1. If an interviewer has assigned a respondent the code "555555" i.e. "No second ancestry" at the second ancestry variable, this code should be retained in the version of the variables deposited.

2. Responses coded to a specific category on the country-specific showcard should be post-coded to the ESCEG using the mapping agreed during the pre-fieldwork consultation. Signed-off mappings will be available on the ESS9 Intranet following the consultation.

3. For the harmonised variables, "Other" responses to the country-specific variables need to be post-coded into the ESCEG based on the verbatim answers recorded. Please code each case as completely as possible, assigning codes with trailing zeros or ending in 9 (nec) only where no other possibility is available.

4. It should be possible to code all meaningful verbatim responses into the ESCEG. Further guidance on how this should be done is provided in Appendix 3 of the ESS9 Ancestry Consultation Guidelines, available on the ESS9 NC Intranet. If you cannot identify a suitable code or are unsure of how to code a particular verbatim response please contact the team at ESS ERIC HQ (ess@city.ac.uk) who will be happy to advise.

5. In rare instances where the verbatim answer is insufficient for an "Other" response to be post-coded to a specific category within the ESCEG, the code "444444" should be used.

Comment: Updated version in ESS9. The main changes to the ESCEG from ESS8 are summarised in the version notes for the European Standard Classification of Cultural and Ethnic Groups, included in the zipped folder containing all ancestry coding documents available for download from the ESS9 NC Intranet (Prepare data > Coding standards > Ancestry). Changes are limited to the addition of eight new codes and the removal of one old code.

Notes: The item is designed to provide additional information on the respondent's socio-cultural origins beyond the existing questions on respondent/parent country of birth or whether the respondents consider themselves to be a member of an ethnic minority.

Additional information about the ancestry measures in round 9 is available in section E1.8 and F1.f in the ESS9 Data Protocol.

E. Special variable topics

E1. Country-specific variables and measures

E1.1 Naming and use of suffix

Country-specific variables are marked with the suffix xx in the variable name. Whenever a country-specific variable is included in a national data file, the xx suffix in the variable name should be substituted by the two-character country code of ISO 3166-1. Country-specific variables in ESS9 are:

> PRTVTxx (B14), (PRTVxx1- PRTVxxN if more than one national election)
> PRTCLxx (B24)
> RLGDNxx (C12), RLGDExx (C14)
> EDLVDxx (F15), EDLVPDxx (F44), EDLVFDxx (F52), EDLVMDxx (F56)
> ANC1xx, ANC2xx (F61)
> REGIONxx

Table E1. Country codes for countries having participated in the ESS:

Albania	AL	Latvia	LV
Austria	AT	Lithuania	LT
Belgium	BE	Luxembourg	LU
Bulgaria	BG	Netherland	NL
Croatia	HR	Norway	NO
Cyprus	CY	Poland	PL
Czech Republic	CZ	Portugal	PT
Denmark	DK	Romania	RO
Estonia	EE	Russian Federation	RU
Finland	FI	Serbia	RS
France	FR	Slovakia	SK
Germany	DE	Slovenia	SI
Greece	GR	Spain	ES
Hungary	HU	Sweden	SE
Iceland	IS	Switzerland	CH
Ireland	IE	Turkey	TR
Israel	IL	Ukraine	UA
Italy	IT	United Kingdom	GB
Kosovo	XK		

Example: In section F of the Data Protocol and in the SPSS and SAS programmes available at the ESS9 NC Intranet, the variable name of country-specific highest level of education (question F15) is EDLVDxx. The country-specific variables on respondent's highest level of education in Slovakia and Portugal should be renamed EDLVDSK and EDLVDPT, respectively.

E1.2 Political party

B14: PRTVTxx "PARTY VOTED FOR IN LAST NATIONAL ELECTION"
> PRTVxx1 "PARTY VOTED FOR IN LAST NATIONAL ELECTION 1"
> PRTVxxN "PARTY VOTED FOR IN LAST NATIONAL ELECTION N"

These items need to be country-specific due to differences in electoral and party systems between countries. There will be two main groups of countries using different principles of organising the data:

i. Only one single vote registered.
ia. Countries where only one national-level election takes places.
Comment: None
ib. Countries where multiple national-level elections take place.
Comment: Please ask about the last election for the **primary legislative assembly**.
⇒ **Principle 1.** Countries belonging to group i. rename PRTVTxx, and use their national list of parties as categories. PRTVxx1 – PRTVxxN are **not** included in these data files.

ii. Two or more votes registered.
iia. Countries where voters have **more than one vote for the same assembly** (e.g. parallel and mixed member proportional systems; double ballot systems)
Comment: Please ensure that both/all votes are supplied.
iib. Countries using **preferential systems** (e.g. Single Transferable Vote or Alternative Vote).
Comment: Please provide first and second preference vote.
⇒ **Principle 2.** Ranking of votes possible: These countries use the variables PRTVxx1 – PRTVxxN to register the N votes. PRTVTxx is derived from PRTVTxx1 – PRTVxxN, and provided with a label documenting that the variable is derived from these variables. The national lists of parties are used as categories.
⇒ **Principle 3.** Ranking of votes **not** possible: Please use the variables PRTVxx1 – PRTVxxN to register the N votes and add their national list of parties as categories. The variable PRTVTxx is **not** included in these data files.

The overview below sums up the principles:

	Ranking of votes/preference	
Number of votes registered	Possible	Not possible
Only one	Principle 1. Only PRTVTxx included	
Two or more	Principle 2. PRTVTxx (derived) and PRTVxx1 – PRTVxxN included	Principle 3. Only PRTVxx1 – PRTVxxN included

B24: PRTCLxx "WHICH PARTY FEEL CLOSER TO"

Unless there have been any changes to the political parties, please use the country-specific categories that were used in the last round your country participated in.

E1.3 Education
F15:   EDLVDxx "HIGHEST LEVEL OF EDUCATION, [COUNTRY]"
F44:   EDLVPDxx "PARTNER'S HIGHEST LEVEL OF EDUCATION, [COUNTRY]"
F52:   EDLVFDxx "FATHER'S HIGHEST LEVEL OF EDUCATION, [COUNTRY]"
F56:   EDLVMDxx "MOTHER'S HIGHEST LEVEL OF EDUCATION, [COUNTRY]"

Please provide the country-specific variables on respondent's highest level of education, as well as for partner, father and mother. All variables that have been used in the measurement of highest level of education must be deposited to the archive.

Returning countries that did not take part in the ESS since Round 4, will need to change their country specific instruments measuring highest level of education due to the requirement of the coding frame introduced in round 5. For further information please see section D2.2.

Please use the Latin alphabet with additional symbols as needed in the different languages in [COUNTRY] for the country-specific categories.

E1.4 Region
REGIONxx "REGION"
This variable is not derived from the questionnaire but should be included in File 1 (see section F1).

All countries included in the Nomenclature of Territorial Units for Statistics (NUTS) established by Eurostat, are asked to provide regional variables according to the NUTS level classification. Furthermore, the applied NUTS level for the regional variables should ideally correspond to an administrative level within each country. Which NUTS level that corresponds to an administrative level will vary from country to country. Please see table E.2 for a list of recommended NUTS levels to be used. Countries should ensure that the most recent edition of the NUTS classification is deployed in the construction of the REGIONxx variable. For any queries regarding the national coding of the REGIONxx variable, please contact the ESS Data Archive (essdata@nsd.no).

For countries <u>not</u> included in the NUTS nomenclature (currently Israel, Kosovo, Russia and Ukraine), please use regional categories that are administrative units and where it is possible to attach contextual data from national records/registers.

All in all, the units in REGIONxx should meet the following demands:

A) For countries in the NUTS nomenclature:
1. Please use the recommended NUTS levels as presented in table E.2
2. Please ensure that the population of each unit will be large enough to ensure anonymity of the respondents.
3. Please use the official NUTS codes and labels from the NUTS Nomenclature as values and categories for the country-specific variables (alphanumeric).
   Examples:
   Value: HR041   Category: Grad Zagreb
   Value: DK04   Category: Midtjylland
   Value: DEA   Category: Nordrhein-Westfalen

B) For countries not included in the NUTS nomenclature:
1. Please use regional categories that are administrative units and where it is possible to attach contextual data from national records/registers.
2. Please ensure that the population of each unit will be large enough to ensure anonymity of the respondents.

Table E.2. Recommended[1] NUTS level for REGIONxx variable

Country	Country code	Suggested NUTS level	Number of regions
Albania	AL	3	12
Austria	AT	2	9
Belgium	BE	2	11
Bulgaria	BG	3	28
Croatia	HR	3	21
Cyprus	CY	1	1
Czech Republic	CZ	3	14
Denmark	DK	2	5
Estonia	EE	3	5
Finland	FI	3	20
France	FR	2	27
Germany	DE	1	16
Greece	GR	2	13
Hungary	HU	3	20
Iceland	IS	3	2
Ireland	IE	3	8
Israel	IL	No NUTS coding.	
Italy	IT	2	21
Kosovo	XK	No NUTS coding.	
Latvia	LV	3	6
Lithuania	LT	3	10
Luxembourg	LU	1	1
Netherlands	NL	2	12
Norway	NO	3	19
Poland	PL	2	16
Portugal	PT	2	7
Romania	RO	2	8
Russian Federation	RU	No NUTS coding.	
Serbia	RS	3	25
Slovakia	SK	3	8
Slovenia	SI	3	12
Spain	ES	2	19
Sweden	SE	3	21
Switzerland	CH	3	26
Turkey	TR	1	12
Ukraine	UA	No NUTS coding	
United Kingdom	GB	1	12

For more information on the NUTS structure, please see:
http://ec.europa.eu/eurostat/documents/3859598/6948381/KS-GQ-14-006-EN-N.pdf for the
current NUTS nomenclature (2013) and http://ec.europa.eu/eurostat/web/nuts/statistical-regions-outside-eu for statistical regions for the EFTA countries and the Candidate countries.

[1] Data could be deposited on lower levels. If for example NUTS level 2 is recommended, it is possible to use level 3 in the data file sent to the Archive.

E1.5 Income

F41: HINCTNTA "HOUSEHOLD'S TOTAL NET INCOME, ALL SOURCES"

The categories are to be based on deciles of the actual household income range in the given country. The deciles should be derived from the best available source for the country and match the requirement of the question. Possible sources for the calculation of deciles can be national register data, or representative country wide surveys (for example the EU–SILC). Regarding the benchmark data source, please place particular emphasis on the following aspects:

- Deciles should refer to household income for all households, unadjusted for size or type;
- Deciles should refer to household's total income, after tax and compulsory deductions, from all sources;
- Deciles should reflect household income at the time of fieldwork, and thus be adjusted to 2018 level if necessary.

Using the median income as the reference point, 10 deciles should be calculated with the median itself at the top of the fifth decile (category F). The figures should not appear to be too exact. Minor rounding can be applied to achieve this if necessary. The deciles should be reported in national currency and the conversion rate to euros should be documented in the National Technical Summary, by the formula

1 [national currency] = x.xx €.

The intervals of the categories in CARD 44 are:

CARD 44
YOUR HOUSEHOLD INCOME

Show card code	Approximate WEEKLY	Approximate MONTHLY	Approximate ANNUAL	Data file code
J	Less than €xx	Less than €xxx	Less than €xxx	01
R	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	02
C	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	03
M	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	04
F	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	05
S	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	06
K	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	07
P	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	08
D	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	09
H	More than €xx	More than €xxx	More than €xxx	10

A show card must always be used at this question. The ten rows on the show card should display the income ranges selected and be presented by the ten letters above (or their equivalent when other alphabets are used) which helps to ensure respondent confidentiality. Each country can choose whether to include weekly, monthly, or annual amounts on the showcard or whether they want to include more than one of these as appropriate. The text in the last sentence of the question should be rephrased to match the solution selected. If you have any questions or queries regarding this, please direct them to ess@city.ac.uk

F6:   RSHPSTxx   "RELATIONSHIP WITH HUSBAND/WIFE/PARTNER CURRENTLY
                                  LIVING WITH, [COUNTRY]"

F11:   MARSTxx   "LEGAL MARITAL STATUS, [COUNTRY]"

The partnership status consultation process on relationship status (F6 RSHPSTS) and legal marital status (F11 MARSTS) will for a very small number of countries lead to the inclusion of country specific variables. This applies only to countries where this has been agreed as part of the consultation process and the following additional variables must be included in the main data file deposited to NSD.

E1.7 Parents' occupation

F54 and **F58:** PARENTS' OCCUPATION.

The main questionnaire includes questions about father's and mother's occupation when respondent was 14 years old (F54 and F58). These verbatim recorded answers are not required to be post-coded, but can be registered as string variables (in original language), and be deposited in a separate file to be archived at NSD. NSD treats parents' occupation data as non-anonymous if deposited as string (verbatim) variables. Please see B5 and B5.3 for more information.

E1.8 Ancestry

F61: ANC1xx "FIRST ANCESTRY, [COUNTRY]"
        ANC2xx "SECOND ANCESTRY, [COUNTRY]"

The ancestry questions require the use of a country-specific showcard (CARD 53) including an "other" category where the interviewer must record the answers verbatim. The verbatim recorded answers should be deposited in a separate file to be archived at NSD. For the harmonised variables (ANCTRY1 and ANCTRY2) these verbatim recorded answers are required to be post-coded according to the ESS coding frame "European Standard Classification of Cultural and Ethnic Groups" (ESCEG). The full ESCEG is available in a separate file (in pdf, txt and Excel formats) on the ESS9 NC Intranet.

Please note the following when preparing the country-specific ancestry variables for deposit:

1. Two-country-specific variables should be deposited, recording the 1st and 2nd ancestries mentioned. There is no ranking or hierarchy implied in the two ancestry variables – they simply record the ancestries in the order they were mentioned by the respondent and/or coded by the interviewer.

2. Categories in the country-specific variables should be assigned the codes (01, 02, 03 etc.) indicated next to the country-specific categories in the mapping template signed off prior to fieldwork. These codes should also be used in the questionnaire. Please note that all translated versions of the showcard to be used in a country should display categories in the same order i.e. the order agreed on the final version of the source showcard. This should also be the order of the categories in the country-specific variables included in the data file.

3. If an interviewer has assigned a respondent the code "555555" i.e. "No second ancestry" at the second ancestry variable, this code should be retained in the version of the variables deposited.

4. "Other" responses to the country-specific variables should be retained as "Other". There is no need to post-code the country-specific versions of the variables.

There will be a consultation process on the ancestry measure in Round 9 well in advance of the fieldwork period. The ancestry consultation is being managed by ESS ERIC HQ (ess@city.ac.uk) with expert input from Prof. Anthony Heath, University of Oxford and Dr. Silke Schneider, GESIS. During this process the National Teams are to develop a showcard and mapping in collaboration with the CST, based on a suggestion provided by the CST. The outcome of this consultation process will be made available from the ESS9 NC Intranet.

Additional information about the administration of the ancestry variables in ESS9 is available in the "ESS9 Ancestry Consultation Guidelines" document available for download from the ESS9 NC Intranet.

E1.9 Timing of life-course events
D12: NGCHLD "NUMBER OF GRANDCHILDREN"
D14: GGCHLD "NUMBER OF GREAT GRANDCHILDREN"
Countries starting ESS9 fieldwork in 2019 should change these filters to read 'ASK ALL WHOSE FIRST CHILD/GRANDCHILD WAS BORN IN 2003 OR EARLIER (D12: IF D10 < 2004 | D14: IF D13 < 2004)'.

E2. Respondent identification number (IDNO) and country (CNTRY)

IDNO "RESPONDENT'S IDENTIFICATION NUMBER"
Identifies the respondent uniquely in the national data files.
CNTRY "COUNTRY"
The categories of the variable are the two-character country codes in ISO 3166-1. In the Polish data file, for example, the variable will have the value "PL" for all respondents. For the list of country codes please see table E1. To be included in **all** data files (see section F).

IDNO and CNTRY together uniquely identify the respondent in the integrated data files. By sorting integrated data files by CNTRY IDNO (in that order) and thereafter using CNTRY IDNO (in that order) as "key" or "by" variables in match/merge statements, the match/merge will be correct.

E3. Administrative variables

E3.1 Interviewer number, interviewer age and gender

J8 INTNUM "INTERVIEWER'S IDENTIFICATION NUMBER"
Identifies each interviewer uniquely in the Interviewer data file. To ensure the anonymity of the interviewer, it is imperative that the identification numbers are not the same as those used in earlier ESS rounds or other surveys. To be included in File 2 (see table F.2)

INTAGEA "AGE OF INTERVIEWER"
Identifies the age of each interviewer.
There is no item in the interviewer questionnaire for this. Please record the age of each interviewer and prepare the variable after the fieldwork has been completed. To be included in File 1 (see table F.1j)

INTGNDR "GENDER OF INTERVIEWER"
Identifies the gender of each interviewer.
There is no item in the interviewer questionnaire for this. Please record the age of each

interviewer and prepare the variable after the fieldwork has been completed. To be included in File 1 (see table F.1j)

E3.2 Timing variables: Start – end of interview, module timing
To be included in File 1 (see table F.1j)

Start of interview, main questionnaire (sections A-D, F-I):
INWDDS "START OF INTERVIEW, DAY OF MONTH"
INWMMS "START OF INTERVIEW, MONTH"
INWYYS "START OF INTERVIEW, YEAR"
INWSHH "START OF INTERVIEW, HOUR"
INWSMM "START OF INTERVIEW, MINUTE"

End of interview, main questionnaire (sections A-D, F-I):
INWDDE "END OF INTERVIEW, DAY OF MONTH"
INWMME "END OF INTERVIEW, MONTH"
INWYYE "END OF INTERVIEW, YEAR"
INWEHH "END OF INTERVIEW, HOUR"
INWEMM "END OF INTERVIEW, MINUTE"

Module timing variables, main questionnaire (Sections, A-D, F-I):
AINWEHH "END OF MODULE A, HOUR"
AINWEMM "END OF MODULE A, MINUTE"
BINWEHH "END OF MODULE B, HOUR"
BINWEMM "END OF MODULE B, MINUTE"
CINWEHH "END OF MODULE C, HOUR"
CINWEMM "END OF MODULE C, MINUTE"
DINWEHH "END OF MODULE D, HOUR"
DINWEMM "END OF MODULE D, MINUTE"
FINWEHH "END OF MODULE F, HOUR"
FINWEMM "END OF MODULE F, MINUTE"
GINWEHH "END OF MODULE G, HOUR"
GINWEMM "END OF MODULE G, MINUTE"
HINWEHH "END OF MODULE H, HOUR"
HINWEMM "END OF MODULE H, MINUTE"
IINWEHH "END OF MODULE I, HOUR"
IINWEMM "END OF MODULE I, MINUTE"

E3.3 Administration of test variables (MTMM):

As of ESS8 2016, the test variables are fielded as part of the main questionnaire. Test variables TESTHC32 to TESTHC40 are included in section C of the main questionnaire, while TESTHI1 to TESTHI9 are included in section I. All 18 test questions and administrative variables should be included in File 1 (see table F.1c and F.1i).

To be included in File 1 (see table F.1c)
C31 ADMDW "ADMINISTRATION OF HOW DEMOCRACY WORKS"
The purpose of this administrative variable, is to identify which question block in the MTMM section of the C module (TESTHC32 to TESTHC40) and the I module (TESTHI1 to TESTHI9) the respondent is asked. This variable should be coded according to random allocation to groups 1, 2, 3 (see table F.1c and F5 for routing instructions).

E4. Contact Form variables

Experiences from previous rounds show that special attention to a selection of Contact form variables is needed. For more information on all variables in the Contact Form file, see sections F3 (variable definitions) and F6 (variable flowchart).

TYPESAMP "TYPE OF THE SAMPLE"

The type of sample used within each country needs to be recorded. The same code should be applied for every sample unit within each country. Note that TYPESAMP is a filter variable, generating a number of subsequent variables (for a complete list see contact form flow chart) for countries with household or address sample. Note that of these variables; only **NUMHH (A1)**, **HHSELECT (A2)**, **MULTHNUM** and **NHHMEM (B2)** are to be included in the contact form data to be deposited to the Archive.

INTERVA "INTERVIEW INFORMATION FOR THE SAMPLE UNIT"

Category 4 ("No interview because of opt out list") should be reserved for sample units, which have officially opted out of participating in surveys, and are therefore part of an opt-out list (individual named sample only). This category should *not* be used to code respondents who are 'opting out' of the survey by means of conventional refusal to participate. The latter should be coded 5 ("No interview for other reason").

NUMTEL "NUMBER OF AUTOMATIC CALLS BEFORE FIRST FACE-TO-FACE CONTACT OR CONTACT ATTEMPTS"

In some countries, telephone can be used as the first method of contact. For those countries where automatic telephone calls are deployed in the attempts to reach the respondent, the total number of automated calls before any first face-to-face contact or contact attempt should be recorded. Once first contact is made, the contact form should be completely filled in for this contact and subsequent contact attempts (calls) unless they fall into the NUMTELA (see below) category. In countries where automatic telephone calls are not employed, NUMTEL and NUMTELA should be coded 666 ("Not applicable"). If automatic telephone calls are used in the country, but a given respondent was not called, NUMTEL and/or NUMTELA should be coded to 0.

NUMTELA "NUMBER OF AUTOMATIC CALLS AFTER FIRST FACE-TO-FACE CONTACT OR CONTACT ATTEMPTS"

This variable should record automatic telephone calls occurring after achieving first face-to-face contact.

AGE_SU "EXACT AGE OF THE SAMPLE UNIT (INDIVIDUAL SAMPLE FRAME)"

Eligible only for countries using individual sampling frame.

6 OUTNICn "OUTCOME WHEN THERE WAS NO INTERVIEW (VISIT n)"

Note that as of ESS round 6 former category 6 "Respondent mentally/physically not able" has been split in two categories, short-term (category 6) and long-term (category 7) respectively. Only respondents in category 6 should be subject to re-visits. Respondents mentally/physically not able, ill/sick (long-term) should be routed to N1-N5 before contact process is ended.

REFVIS1 "NUMBER OF VISIT AT WHICH A REFUSAL OCCURRED (1)"
REFVIS2 "NUMBER OF VISIT AT WHICH A REFUSAL OCCURRED (2)"
REFVIS3 "NUMBER OF VISIT AT WHICH A REFUSAL OCCURRED (3)"

REFVISn "NUMBER OF VISIT AT WHICH A REFUSAL OCCURRED (n)" (if applicable)

Countries are asked to ensure full information for refusals up until the third refusal. Note that REFVIS1-REFVISn must be chronologically consistent and match the sequence as recorded at OUTNIC1-OUTNICn. For example, if the first refusal took place at the 3rd visit (ie. code 02,03 or 04 at OUTNIC3), REFVIS1 should be coded 03. If three refusals are recorded for a sample unit, REFVIS3 (code range 03-n) should always be larger than REFVIS2 (code range 02-n) which in turn should always be larger than REFVIS1 (code range 01-n). REFVIS1, REFVIS2, REFVIS3 and REFVISn are filter variables. If sample unit is assigned a substantial code at REFVIS1, subsequent variables RERSB1_1-RERSB1_5, COOPA1. AGEB_1 and GENDERB1 should also be filled in. Correspondingly, REFVIS2 is a filter variable for subsequent variables RERSB2_1-RERSB2_5, COOPA2. AGEB_2 and GENDERB2, etc.

RERSB1_1-RERSB1_5 "REASON FOR REFUSAL (1_1) – REASON FOR REFUSAL (1_5)"
RERSB2_1-RERSB2_5 "REASON FOR REFUSAL (2_1) – REASON FOR REFUSAL (2_5)"
RERSB3_1-RERSB3_5 "REASON FOR REFUSAL (3_1) – REASON FOR REFUSAL (3_5)"
RERSBn_1-RERSBn_5 "REASON FOR REFUSAL (n_1) – REASON FOR REFUSAL (n_5)"
(if applicable)

Note the one-to-many relationship between REFVISn and RERSBn_5. Reason for refusal, if applicable, can be recorded for up to three refusals, and for each refusal up to five reasons can be coded. Hence combined, a sample unit with three refusals (substantial codes on REFVIS1, REFVIS2, REFVIS3), could generate a maximum of 15 reasons for refusal.

RECONVA "NUMBER OF VISIT WHEN REFUSAL CONVERSION ACTIVITIES STARTED"

Where applicable, the number of the visit that corresponds to the start of refusal conversion attempts should be noted. In previous rounds, refusal conversion activities have taken place in some countries, but the number of visits was not recorded. Code 666 ("Not applicable") should be used for sample units where no refusals were registered at OUTNICn, whereas code 0 should be used for sample units where refusals occurred (code 02, 03 or 04 at OUTNICn) but where no refusal conversion took place.

Please note that merely re-approaching the target person after an initial refusal, without introducing any substantial refusal conversion measures (as laid down in for example the refusal conversion strategies of the fieldwork organisation), should not be considered as sufficient to justify a substantial code on RECONVA for this particular contact attempt. Refusal conversion activities include for example: Use of new incentives; use of new interviewer; selection of initial refusers based on assessment of future cooperation rate (ie. hard versus soft refusals); timing; etc."

OUTINVAL "OUTCOME ADDRESS INVALID"

Provides information on the outcome of invalid address units. Note that all sample units coded 07 at RESULBn should be routed to OUTINVAL before contact procedure is ended.

N1 TYPE "TYPE OF HOUSE RESPONDENT LIVES IN"
N2 ACCESS "ENTRY PHONE OR LOCKED GATE/DOOR BEFORE REACHING RESPONDENT'S INDIVIDUAL DOOR"
N3 PHYSA "ASSESSMENT OVERALL PHYSICAL CONDITION BUILDING/HOUSE"
N4 LITTERA "AMOUNT OF LITTER AND RUBBISH IN THE IMMEDIATE VICINITY"
N5 VANDAA "AMOUNT OF VANDALISM AND GRAFFITI IN THE IMMEDIATE VICINITY"

N1-N5 records information on neighbourhood characteristics. Should be filled out for all cases (response and non-response units) unless the address itself is invalid or national legal restrictions prevent these data from being collected. Data should be collected and coded by the interviewer at the first face-to-face visit.

The Round 9 Contact Form Instructions and Round 9 Guidelines for Collecting Observable Data will be available as part of the Interviewer Briefing materials.

F. Variable definitions and flowchart

Tables F.1a-d, e, h-j, F.2, F.3 and F.4 document the official formats and contents of the variables in the ESS round 8 data files. The tables document the question number, the variable label, format and categories of each variable. The last column has information about skips, coding standards etc. Please use the tables, the flowcharts in section F.5 and F.6 and the source questionnaires simultaneously when setting up national questionnaires and data programmes.

Qno	Name	Label	Format	Values	Categories	Comment
	IDNO	Respondent's identification number	F9.0			See section E2
	CNTRY	Country	A2			See sections E1.1 and E2
						A1: Ask All
A1	NWSPOL	News about politics and current affairs, watching, reading or listening, in minutes	F4.0	7777	Refusal	
				8888	Don't know	
				9999	No answer	
						A2: Ask All
A2	NETUSOFT	Internet use, how often	F1.0	1	Never	
				2	Only occasionally	Go to A4
				3	A few times a week	
				4	Most days	Ask A3
				5	Every day	
				7	Refusal	Go to A4
				8	Don't know	
				9	No answer	
						Ask A3 if A2=4,5
A3	NETUSTM	Internet use, how much time on typical day, in minutes	F4.0	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						A4: Ask All
A4	PPLTRST	Most people can be trusted or you can't be too careful	F2.0	00	You can't be too careful	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	Most people can be trusted	
				77	Refusal	
				88	Don't know	
				99	No answer	
						A5: Ask all
A5	PPLFAIR	Most people try to take advantage of you, or try to be fair	F2.0	00	Most people try to take advantage of me	
				01		
				02		
				03		
				04		
				05		
				06		
				07		

Qno	Name	Label	Format	Values	Categories	Comment
				08		
				09		
				10	Most people try to be fair	
				77	Refusal	
				88	Don't know	
				99	No answer	
						A6: Ask all
A6	PPLHLP	Most of the time people helpful or mostly looking out for themselves	F2.0	00	People mostly look out for themselves	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	People mostly try to be helpful	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
						B1: Ask all
B1	POLINTR	How interested in politics	F1.0	1	Very interested	
				2	Quite interested	
				3	Hardly interested	
				4	Not at all interested	
				7	Refusal	
				8	Don't know	
				9	No answer	
						B2: Ask all
B2	PSPPSGVA	Political system allows people to have a say in what government does	F1.0	1	Not at all	
				2	Very little	
				3	Some	
				4	A lot	
				5	A great deal	
				7	Refusal	
				8	Don't know	
				9	No answer	
						B3: Ask all
B3	ACTROLGA	Able to take active role in political group	F1.0	1	Not at all able	
				2	A little able	
				3	Quite able	
				4	Very able	
				5	Completely able	
				7	Refusal	
				8	Don't know	
				9	No answer	
						B4: Ask all
B4	PSPPIPLA	Political system allows people to have influence on politics	F1.0	1	Not at all	
				2	Very little	
				3	Some	
				4	A lot	
				5	A great deal	
				7	Refusal	
				8	Don't know	
				9	No answer	
						B5: Ask all
B5	CPTPPOLA	Confident in own ability to participate in politics	F1.0	1	Not at all confident	
				2	A little confident	
				3	Quite confident	
				4	Very confident	
				5	Completely confident	
				7	Refusal	
				8	Don't know	
				9	No answer	
						B6-B12: Ask all
B6	TRSTPRL	Trust in country's parliament	F2.0	00	No trust at all	B6-B12: Same format, values and categories
B7	TRSTLGL	Trust in the legal system		01		
B8	TRSTPLC	Trust in the police		02		
B9	TRSTPLT	Trust in politicians		03		

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
B10	TRSTPRT	Trust in political parties		04		
B11	TRSTEP	Trust in the European Parliament		05		
B12	TRSTUN	Trust in the United Nations		06		
				07		
				08		
				09		
				10	Complete trust	
				77	Refusal	
				88	Don't know	
				99	No answer	
						B13: Ask all
B13	VOTE	Voted last national election	F1.0	1	Yes	Ask B14
				2	No	
				3	Not eligible to vote	Go to B15
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask B14 if B13=1
B14	PRTVTxx	Party voted for in last national election, [country]	F2.0	66	Not applicable	B14: Country-specific question, see section E1.1
				77	Refusal	
				88	Don't know	
				99	No answer	
	PRTVxx1	Party voted for in last national election 1, [country]	F2.0	66	Not applicable	
				77	Refusal	
	PRTVxx2	Party voted for in last national election 2, [country]		88	Don't know	
				99	No answer	
						B15-B22: Ask all
B15	CONTPLT	Contacted politician or government official last 12 months	F1.0	1	Yes	B15-B22: Same format values and categories
				2	No	
B16	WRKPRTY	Worked in political party or action group last 12 months		7	Refusal	
				8	Don't know	
B17	WRKORG	Worked in another organisation or association last 12 months		9	No answer	
B18	BADGE	Worn or displayed campaign badge/sticker last 12 months				
B19	SGNPTIT	Signed petition last 12 months				
B20	PBLDMN	Taken part in lawful public demonstration last 12 months				
B21	BCTPRD	Boycotted certain products last 12 months				
B22	PSTPLONL	Posted or shared anything about politics online last 12 months				
						B34: Ask all
B23	CLSPRTY	Feel closer to a particular party than all other parties	F1.0	1	Yes	Ask B24
				2	No	
				7	Refusal	Go to B26
				8	Don't know	
				9	No answer	
						Ask B24 if B23=1
						B24: Country-specific question, see section E1.1

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
B24	PRTCLxx	Which party feel closer to, [country]	F2.0	66	Not applicable	If party given at B24 then ask B25
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask B25 if party given at B24
B25	PRTDGCL	How close to party	F1.0	1	Very close	
				2	Quite close	
				3	Not close	
				4	Not at all close	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						B26: Ask all
B26	LRSCALE	Placement on left right scale	F2.0	00	Left	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	Right	
				77	Refusal	
				88	Don't know	
				99	No answer	
						B27-B30: Ask all
B27	STFLIFE	How satisfied with life as a whole	F2.0	00	Extremely dissatisfied	B27-B30: Same format, values and categories
				01		
B28	STFECO	How satisfied with present state of economy in country		02		
				03		
B29	STFGOV	How satisfied with the national government		04		
				05		
B30	STFDEM	How satisfied with the way democracy works in country		06		
				07		
				08		
				09		
				10	Extremely satisfied	
				77	Refusal	
				88	Don't know	
				99	No answer	
						B31-B32: Ask all
B31	STFEDU	State of education in country nowadays	F2.0	00	Extremely bad	B31-B32: Same format, values and categories
				01		
B32	STFHLTH	State of health services in country nowadays		02		
				03		
				04		

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
				05		
				06		
				07		
				08		
				09		
				10	Extremely good	
				77	Refusal	
				88	Don't know	
				99	No answer	
						B33-B36: Ask all
B33	GINCDIF	Government should reduce differences in income levels	F1.0	1	Agree strongly	B33-B36: Same format, values and categories
				2	Agree	
B34	FREEHMS	Gays and lesbians free to live life as they wish		3	Neither agree nor disagree	
				4	Disagree	
B35	HMSFMLSH	Ashamed if close family member gay or lesbian		5	Disagree strongly	
				7	Refusal	
B36	HMSACLD	Gay and lesbian couples right to adopt children		8	Don't know	
				9	No answer	
						B37: Ask all
B37	EUFTF	European Union: European unification go further or gone too far	F2.0	00	Unification already gone too far	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	Unification go further	
				77	Refusal	
				88	Don't know	
				99	No answer	
						B38-B40: Ask all
B38	IMSMETN	Allow many/few immigrants of same race/ethnic group as majority	F1.0	1	Allow many to come and live here	B38-B40: Same format, values and categories
				2	Allow some	
B39	IMDFETN	Allow many/few immigrants of different race/ethnic group from majority		3	Allow a few	
				4	Allow none	
B40	IMPCNTR	Allow many/few immigrants from poorer countries outside Europe		7	Refusal	
				8	Don't know	
				9	No answer	
						B41: Ask all
B41	IMBGECO	Immigration bad or good for country's economy	F2.0	00	Bad for the economy	
				01		
				02		
				03		

Qno	Name	Label	Format	Values	Categories	Comment
				04		
				05		
				06		
				07		
				08		
				09		
				10	Good for the economy	
				77	Refusal	
				88	Don't know	
				99	No answer	
						B42: Ask all
B42	IMUECLT	Country's cultural life undermined or enriched by immigrants	F2.0	00	Cultural life undermined	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	Cultural life enriched	
				77	Refusal	
				88	Don't know	
				99	No answer	
						B43: Ask all
B43	IMWBCNT	Immigrants make country worse or better place to live	F2.0	00	Worse place to live	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	Better place to live	
				77	Refusal	
				88	Don't know	
				99	No answer	

~: New variable since ESS8.

Qno	Name	Label	Format	Values	Categories	Comment
						C1: Ask all
C1	HAPPY	How happy are you	F2.0	00	Extremely unhappy	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	Extremely happy	
				77	Refusal	
				88	Don't know	
				99	No answer	
						C2: Ask all
C2	SCLMEET	How often socially meet with friends, relatives or colleagues	F2.0	01	Never	
				02	Less than once a month	
				03	Once a month	
				04	Several times a month	
				05	Once a week	
				06	Several times a week	
				07	Every day	
				77	Refusal	
				88	Don't know	
				99	No answer	
						C3: Ask all
C3	INPRDSC	How many people with whom you can discuss intimate and personal matters	F2.0	00	None	
				01	1	
				02	2	
				03	3	
				04	4-6	
				05	7-9	
				06	10 or more	
				77	Refusal	
				88	Don't know	
				99	No answer	
						C4: Ask all
C4	SCLACT	Take part in social activities compared to others of same age	F1.0	1	Much less than most	
				2	Less than most	
				3	About the same	
				4	More than most	
				5	Much more than most	
				7	Refusal	
				8	Don't know	
				9	No answer	
						C5: Ask all
C5	CRMVCT	Respondent or household member victim of burglary/assault last 5 years	F1.0	1	Yes	
				2	No	

Qno	Name	Label	Format	Values	Categories	Comment
				7	Refusal	
				8	Don't know	
				9	No answer	
						C6: Ask all
C6	AESFDRK	Feeling of safety of walking alone in local area after dark	F1.0	1	Very safe	
				2	Safe	
				3	Unsafe	
				4	Very unsafe	
				7	Refusal	
				8	Don't know	
				9	No answer	
						C7: Ask all
C7	HEALTH	Subjective general health	F1.0	1	Very good	
				2	Good	
				3	Fair	
				4	Bad	
				5	Very bad	
				7	Refusal	
				8	Don't know	
				9	No answer	
						C8: Ask all
C8	HLTHHMP	Hampered in daily activities by illness/disability/infirmity/mental problem	F1.0	1	Yes a lot	
				2	Yes to some extent	
				3	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						C9-C10: Ask all
C9	ATCHCTR	How emotionally attached to [country]	F2.0	00	Not at all emotionally attached	C9-C10: Same format, values and categories
				01		
C10	ATCHERP	How emotionally attached to Europe		02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	Very emotionally attached	
				77	Refusal	
				88	Don't know	
				99	No answer	
						C11: Ask all
C11	RLGBLG	Belonging to particular religion or denomination	F1.0	1	Yes	Ask C12
				2	No	
				7	Refusal	Go to C13
				8	Don't know	
				9	No answer	

Table F.1c. Data file 1: Main questionnaire, section C

~: New variable since ESS8.

Qno	Name	Label	Format	Values	Categories	Comment
						Ask C12 if C11=1
						C12: ESS religion coding frame, see section D2.1
C12	RLGDNM	Religion or denomination belonging to at present	F2.0	1	Roman Catholic	
				2	Protestant	
				3	Eastern Orthodox	
				4	Other Christian denomination	Go to C15
				5	Jewish	
				6	Islamic	
				7	Eastern religions	
				8	Other non-Christian religions	
				66	Not applicable	
				77	Refusal	Go to C15
				99	No answer	
	RLGDNxx	Religion or denomination belonging to at present, [country]	F4.0	6666	Not applicable	RLGDNxx: Country-specific
				7777	Refusal	
				9999	No answer	
						Ask C13 if C11=2,7,8
C13	RLGBLGE	Ever belonging to particular religion or denomination	F1.0	1	Yes	Ask C14
				2	No	Go to C15
				6	Not applicable	
				7	Refusal	Go to C15
				8	Don't know	
				9	No answer	
						Ask C14 if C13=1
						C14: ESS religion coding frame, see section D2.1
C14	RLGDNME	Religion or denomination belonging to in the past	F2.0	01	Roman Catholic	
				02	Protestant	
				03	Eastern Orthodox	
				04	Other Christian denomination	
				05	Jewish	
				06	Islamic	
				07	Eastern religions	
				08	Other non-Christian religions	
				66	Not applicable	
				77	Refusal	
				99	No answer	
	RLGDExx	Religion or denomination belonging to in the past, [country]	F4.0	6666	Not applicable	RLGDExx: Country-specific
				7777	Refusal	
				9999	No answer	
						C15: Ask all
C15	RLGDGR	How religious are you	F2.0	00	Not at all religious	
				01		
				02		
				03		
				04		
				05		
				06		

~: New variable since ESS8.

Qno	Name	Label	Format	Values	Categories	Comment
				07		
				08		
				09		
				10	Very religious	
				77	Refusal	
				88	Don't know	
				99	No answer	
						C16-C17: Ask all
C16	RLGATND	How often attend religious services apart from special occasions	F2.0	01	Every day	C16-C17: Same format, values and categories
				02	More than once a week	
C17	PRAY	How often pray apart from at religious services		03	Once a week	
				04	At least once a month	
				05	Only on special holy days	
				06	Less often	
				07	Never	
				77	Refusal	
				88	Don't know	
				99	No answer	
						C18: Ask all
C18	DSCRGRP	Member of a group discriminated against in this country	F1.0	1	Yes	Ask C19
				2	No	
				7	Refusal	Go to C20
				8	Don't know	
				9	No answer	
						Ask C19 if C18=1
C19	DSCRRCE	Discrimination of respondent's group: colour or race	F1.0	0	Not marked	C19 DSCRRCE-DSCRNA: Same format, values and categories
	DSCRNTN	Discrimination of respondent's group: nationality		1	Marked	
	DSCRRLG	Discrimination of respondent's group: religion				
	DSCRLNG	Discrimination of respondent's group: language				
	DSCRETN	Discrimination of respondent's group: ethnic group				
	DSCRAGE	Discrimination of respondent's group: age				
	DSCRGND	Discrimination of respondent's group: gender				
	DSCRSEX	Discrimination of respondent's group: sexuality				
	DSCRDSB	Discrimination of respondent's group: disability				
	DSCROTH	Discrimination of respondent's group: other grounds				
	DSCRDK	Discrimination of respondent's group: don't know				
	DSCRREF	Discrimination of respondent's group: refusal				
	DSCRNAP	Discrimination of respondent's group: not applicable				
	DSCRNA	Discrimination of respondent's group: no answer				
						C20: Ask all
C20	CTZCNTR	Citizen of country	F1.0	1	Yes	Go to C22
				2	No	Ask C21
				7	Refusal	Go to C22
				8	Don't know	Ask C21
				9	No answer	

Table F.1c. Data file 1: Main questionnaire, section C

~: New variable since ESS8.

Qno	Name	Label	Format	Values	Categories	Comment
C21	CTZSHIPC	Citizenship	A2	"66"	Not applicable	Ask C21 if C20=2,8 C21: ISO 3166-1, see section D1.1
				"77"	Refusal	
				"88"	Don't know	
				"99"	No answer	
C22	BRNCNTR	Born in country	F1.0	1	Yes	C22: Ask all Go to C25
				2	No	Ask C23
				7	Refusal	Go to C25
				8	Don't know	
				9	No answer	
C23	CNTBRTHC	Country of birth	A2	"66"	Not applicable	Ask C23 if C22=2 C23: ISO 3166-1, see section D1.1
				"77"	Refusal	
				"88"	Don't know	
				"99"	No answer	
C24	LIVECNTA	What year you first came to live in country	F4.0	6666	Not applicable	Ask C24 if C22=2
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
C25	LNGHOM1	Language most often spoken at home: first mentioned	A3	"777"	Refusal	C25: Ask all C23: ISO 639-2, see section D1.2
				"888"	Don't know	
				"999"	No answer	
	LNGHOM2	Language most often spoken at home: second mentioned	A3	"000"	No second language mentioned	
				"777"	Refusal	
				"888"	Don't know	
				"999"	No answer	
C26	BLGETMG	Belong to minority ethnic group in country	F1.0	1	Yes	C26: Ask all
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
C27	FACNTR	Father born in country	F1.0	1	Yes	C27: Ask all Go to C29
				2	No	Ask C28
				7	Refusal	Go to C29
				8	Don't know	
				9	No answer	
C28	FBRNCNTB	Country of birth, father	A2	"66"	Not applicable	Ask C28 if C27=2 C28: ISO 3166-1, see section D1.1
				"77"	Refusal	

~: New variable since ESS8.

Qno	Name	Label	Format	Values	Categories	Comment
				"88"	Don't know	
				"99"	No answer	
						C29: Ask all
C29	MOCNTR	Mother born in country	F1.0	1	Yes	Go to C31
				2	No	Ask C30
				7	Refusal	Go to C31
				8	Don't know	
				9	No answer	
						Ask C30 if C29=2
C30	MBRNCNTB	Country of birth, mother	A2	"66"	Not applicable	C30: ISO 3166-1, see section D1.1
				"77"	Refusal	
				"88"	Don't know	
				"99"	No answer	
						C31: Code all by automated random allocation.
~C31	ADMDW	Administration of how democracy works questions	F1.0	1	Group 1	Go to C32
				2	Group 2	Go to C35
				3	Group 3	Go to C38
				9	Not available	
						Ask C32-C34 if C31=1
~C32	TESTHC32	In country governing parties are punished in elections when they have done a bad job	F2.0	00	Does not apply at all	C32-C34:Same format, values and categories
				01		
~C33	TESTHC33	In country the government protects citizens against poverty		02		
				03		
~C34	TESTHC34	In country the government explains its decisions to voters		04		
				05		
				06		
				07		
				08		
				09		
				10	Applies completely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask C35 if C31=2
~C35	TESTHC35	In country governing parties are punished in elections when they have done a bad job	F2.0	00	The governing parties are not punished at all in elections when they have done a bad job	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	The governing parties are punished completely in elections when they have done a bad job	

~: New variable since ESS8.

Qno	Name	Label	Format	Values	Categories	Comment
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask C36 if C31=2
~C36	TESTHC36	In country the government protects citizens against poverty	F2.0	00	The government does not protect citizens against poverty at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	The government protects citizens against poverty completely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask C37 if C31=2
~C37	TESTHC37	In country the government explains its decisions to voters	F2.0	00	The government does not explain its decisions to voters at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	The government explains its decisions to voters completely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask C38 if C31=3
~C38	TESTHC38	In country governing parties are punished in elections when they have done a bad job	F2.0	00	The governing parties are not punished at all in elections when they have done a bad job	
				01		
				02		
				03		
				04		
				05		
				06		
				07		

Qno	Name	Label	Format	Values	Categories	Comment
				08		
				09	The governing parties are punished in elections when they have done a bad job	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask C39 if C31=3
~C39	TESTHC39	In country the government protects citizens against poverty	F2.0	00	The government does not protect citizens against poverty at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09	The government protects citizens against poverty	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask 40 if C31=3
~C40	TESTHC40	In country the government explains its decisions to voters	F2.0	00	The government does not explain its decisions to voters at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09	The government explains its decisions to voters	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						EU countries only
C41[1]	VTEURMMB	Would vote for [country] to remain member of European union or leave	F2.0	1	Remain member of the European Union	
				2	Leave the European Union	
				33	Would submit a blank ballot paper	
				44	Would spoil the ballot paper	
				55	Would not vote	

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1 Included on a voluntary basis

Qno	Name	Label	Format	Values	Categories	Comment
				65	Not eligible to vote	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Non-EU countries only
C42[2]	VTEUBCMB	Would vote for [country] to become member of European Union or remain outside	F2.0	1	Become a member of the European Union	
				2	Remain outside the European Union	
				33	Would submit a blank ballot paper	
				44	Would spoil the ballot paper	
				55	Would not vote	
				65	Not eligible to vote	
				77	Refusal	
				88	Don't know	
				99	No answer	

2 Included on a voluntary basis

Table F.1d. Data file 1: Main questionnaire, section D

^: Question changed since ESS3.

Qno	Name	Label	Format	Values	Categories	Comment
						D1: Ask all
D1	EVPDEMP	Paid employment or apprenticeship at least 3 months 20 hours weekly	F1.0	1	Yes	Ask D2
				2	No	Go to D3
				7	Refusal	
				9	No answer	
						Ask D2 if D1=1 Calendar year
D2	PDEMPYR	Year first started in paid employment or apprenticeship	F4.0	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						D3: Ask all Calendar year
D3	LVPNTYR	Year first left parents for living separately for 2 months or more	F4.0	0000	Still in parental home, never left 2 months	
				1111	Never lived with a parent	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						D4: Ask all
D4	EVLVPTN	Ever lived with a spouse or partner for 3 months or more	F1.0	1	Yes	Ask D5
				2	No	Go to D6
				7	Refusal	
				9	No answer	
						Ask D5 if D4=1 Calendar year
D5	LVPTNYR	Year first lived with spouse or partner for 3 months or more	F4.0	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						D6: Ask all
D6	EVMAR	Are or ever been married	F1.0	1	Yes	Ask D7
				2	No	Go to D8
				7	Refusal	
				9	No answer	
						Ask D7 if D6=1 Calendar year
D7	MARYR	Year first married	F4.0	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						D8: Ask all
D8	BTHCLD	Ever given birth to/ fathered a child	F1.0	1	Yes	Ask D9
				2	No	Go to D14a
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1c. Data file 1: Main questionnaire, section D

^: Question changed since ESS3.

Qno	Name	Label	Format	Values	Categories	Comment
						Ask D9 if D8=1
D9	NBTHCLD	Number of children ever given birth to/ fathered	F2.0	66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask D10 if D8=1 Calendar year
D10	FCLDBRN	Year (first) child was born	F4.0	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask D11 if D9>1 Calendar year
D11	YCLDBYR	Year youngest child was born	F4.0	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask D12 if D10<2003: See section E1.9
D12	NGCHLD	Number of grandchildren	F2.0	66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask D13 if D12>=1 Calendar year
D13	YGCDBYR	Year first grandchild was born	F4.0	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask D14 if D13<2003: See section E1.9
D14	GGCHLD	Have any great grandchildren	F1.0	1	Yes	
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						D14a: Code all by automated random allocation.
~D14a	ADMGE	Administration of split ballot, ask about female or male	F1.0	1	Group 1	Ask D15a
				2	Group 2	Go to D15b
				9	Not available	
						D15-D17: Ask all
D15a/b	AGEADLT	Age become adults. SPLIT BALLOT	F3.0	000	It depends	D15-D17: Same format, values and categories
D16a/b	AGEMAGE	Age reach middle age. SPLIT BALLOT		777	Refusal	
				888	Don't know	

Qno	Name	Label	Format	Values	Categories	Comment
D17a/b	AGEOAGE	Age reach old age. SPLIT BALLOT		999	No answer	
						D18: Ask all
D18a/b	IAGLPTN	Start living with partner not married to, ideal age. SPLIT BALLOT	F3.0	000	No ideal age	
				111	Should never live with partner not married to	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D19: Ask all
^D19a/b	IAGMR	Get married, ideal age. SPLIT BALLOT	F3.0	000	No ideal age	
				111	Should never get married	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D20: Ask all
D20a/b	IAGPNT	Become mother/ father, ideal age. SPLIT BALLOT	F3.0	000	No ideal age	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D21: Ask all
D21a/b	IAGRTR	Retire permanently, ideal age. SPLIT BALLOT	F3.0	000	No ideal age	
				111	Should never retire permanently	
				222	Should never be in paid work	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D22: Ask all
D22a/b	TYGLEDU	Leave full-time education, age too young. SPLIT BALLOT	F3.0	000	Never too young	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D23: Ask all
D23a/b	TYGLVP	Start living with partner not married to, age too young. SPLIT BALLOT	F3.0	000	Never too young	
				111	Should never live with partner not married to	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D24: Ask all
^D24a/b	TYGMR	Get married, age too young. SPLIT BALLOT	F3.0	000	Never too young	
				111	Should never get married	
				777	Refusal	
				888	Don't know	
				999	No answer	

^: Question changed since ESS3.

Qno	Name	Label	Format	Values	Categories	Comment
						D25: Ask all
D25a/b	TYGPNT	Become mother/ father, age too young. SPLIT BALLOT	F3.0	000	Never too young	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D26: Ask all
D26a/b	TYGRTR	Retire permanently, age too young. SPLIT BALLOT	F3.0	000	Never too young	
				111	Should never retire permanently	
				222	Should never be in paid work	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D27-D28: Ask all
D27a/b	TOLVPNT	Still be living with parents, age too old. SPLIT BALLOT	F3.0	000	Never too old	D27-D28: Same format, values and categories
				777	Refusal	
D28a/b	TOCHLD	Consider having more children, age too old. SPLIT BALLOT		888	Don't know	
				999	No answer	
						D29: Ask all
D29a/b	TOWKHT	Be working 20 hours or more per week, age too old. SPLIT BALLOT	F3.0	000	Never too old	
				111	Should never work	
				777	Refusal	
				888	Don't know	
				999	No answer	
						D30-D34: Ask all
D30a/b	ANVCLD	Approve if person chooses never to have children. SPLIT BALLOT	F1.0	1	Strongly disapprove	D30-D34: Same format, values and categories
				2	Disapprove	
D31a/b	ALVGPTN	Approve if person lives with partner not married to. SPLIT BALLOT		3	Neither approve nor disapprove	
				4	Approve	
D32a/b	ACLDNMR	Approve if person have child with partner not married to. SPLIT BALLOT		5	Strongly approve	
				7	Refusal	
D33a/b	AFTJBYC	Approve if person has full-time job while children aged under 3. SPLIT BALLOT		8	Don't know	
				9	No answer	
D34a/b	ADVCYC	Approve if person gets divorced while children aged under 12. SPLIT BALLOT				
						D35: Ask all
D35	PLNFTR	Plan for future or take each day as it comes	F2.0	00	I plan for my future as much as possible	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	I just take each day as it comes	
				77	Refusal	

^: Question changed since ESS3.

Qno	Name	Label	Format	Values	Categories	Comment
				88	Don't know	
				99	No answer	

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
F1	HHMMB	Number of people living regularly as member of household	F2.0	77	Refusal	
				88	Don't know	
				99	No answer	
F2	GNDR	Gender	F1.0	1	Male	
				2	Female	
				9	No answer	
	GNDR2	Gender of second person in household	F1.0	1	Male	F2: GNDR2-GNDRN: Same format, values and categories
	GNDR3	Gender of third person in household		2	Female	
	GNDRN	Gender of n-th person in household		6	Not applicable	Descending age order (oldest first)
				7	Refusal	
				9	No answer	
F3	YRBRN	Year of birth	F4.0	7777	Refusal	Calendar year
				8888	Don't know	
				9999	No answer	
						Calendar year
	YRBRN2	Year of birth of second person in household	F4.0	6666	Not applicable	F3: YRBRN2-YRBRNN: Same format, values and categories
	YRBRN3	Year of birth of third person in household		7777	Refusal	
	YRBRNN	Year of birth of n-th person in household		8888	Don't know	Descending age order (oldest first)
				9999	No answer	
F4	RSHIPA2	Second person in household: relationship to respondent	F2.0	01	Husband/wife/partner	F4: RSHIPA2-RSHIPAN: Same format, values and categories
				02	Son/daughter/step/adopted/foster	
	RSHIPA3	Third person in household: relationship to respondent		03	Parent/parent-in-law	Descending age order (oldest first)
				04	Brother/sister/step/adopted/foster	
	RSHIPAN	N-th person in household: relationship to respondent		05	Other relative	
				06	Other non-relative	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask F6 if F4=1
F6	RSHPSTS	Relationship with husband/wife/partner currently living with	F2.0	01	Legally married	Ask F7
				02	In a legally registered civil union	Ask F7
				03	Living with my partner – not legally recognised	Go to F8
				04	Living with my partner – legally recognised	
				05	Legally separated	Ask F7
				06	Legally divorced/civil union dissolved	Ask F7
				66	Not applicable	
				77	Refusal	Ask F7
				88	Don't know	
				99	No answer	
						Ask F7 if

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
						F6=01,02,05,06, 77,88 or if NOT 01 at F4
F7	LVGPTNEA	Ever lived with a partner, without being married	F1.0	1	Yes	
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						F8: Ask all
F8	DVRCDEVA	Ever been divorced/had civil union dissolved	F1.0	1	Yes	
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask F11 if F6=03,04 or if NOT 01 at F4
F11	MARSTS	Legal marital status	F2.0	01	Legally married	
				02	In a legally registered civil union	
				03	Legally separated	
				04	Legally divorced/civil union dissolved	
				05	Widowed/civil partner died	
				06	None of these (NEVER married or in legally registered civil union)	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask F13 if NOT 02 at F4
F13	CHLDHHE	Ever had children living in household	F1.0	1	Yes	
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						F14: Ask all
F14	DOMICIL	Domicile, respondent's description	F1.0	1	A big city	
				2	Suburbs or outskirts of big city	
				3	Town or small city	
				4	Country village	
				5	Farm or home in countryside	
				7	Refusal	
				8	Don't know	
				9	No answer	
						F15: Ask all
F15	EDULVLB	Highest level of education	F4.0	000	Not completed ISCED level 1	F15: ESS education coding frame, see section D2.2
				113	ISCED 1, completed primary education	
				129	Vocational ISCED 2C < 2 years, no access ISCED 3	

Qno	Name	Label	Format	Values	Categories	Comment
				212	General/pre-vocational ISCED 2A/2B, access ISCED 3 vocational	
				213	General ISCED 2A, access ISCED 3A general/all 3	
				221	Vocational ISCED 2C >= 2 years, no access ISCED 3	
				222	Vocational ISCED 2A/2B, access ISCED 3 vocational	
				223	Vocational ISCED 2, access ISCED3 general/all	
				229	Vocational ISCED 3C < 2 years, no access ISCED 5	
				311	General ISCED 3 >=2 years, no access ISCED 5	
				312	General ISCED 3A/3B, access ISCED 5B/lower tier 5A	
				313	General ISCED 3A, access upper tier ISCED 5A/all 5	
				321	Vocational ISCED 3C >= 2 years, no access ISCED 5	
				322	Vocational ISCED 3A, access ISCED 5B/ lower tier 5A	
				323	Vocational ISCED 3A, access upper tier ISCED 5A/all 5	
				412	General ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				413	General ISCED 4A, access upper tier ISCED 5A/all 5	
				421	ISCED 4 programmes without access ISCED 5	
				422	Vocational ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				423	Vocational ISCED 4A, access upper tier ISCED 5A/all 5	
				510	ISCED 5A short, intermediate/academic/general tertiary below bachelor	
				520	ISCED 5B short, advanced vocational qualifications	
				610	ISCED 5A medium, bachelor/equivalent from lower tier tertiary	
				620	ISCED 5A medium, bachelor/equivalent from upper/single tier tertiary	
				710	ISCED 5A long, master/equivalent from lower tier tertiary	
				720	ISCED 5A long, master/equivalent from upper/single tier tertiary	
				800	ISCED 6 doctoral degree	
				5555	Other	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
	EDLVDxx	Highest level of education, [country]	F4.0	5555	Other	EDLVDxx: Country-specific, see section E1.3
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						F16: Ask all Number of years
F16	EDUYRS	Years of full-time education completed	F2.0	77	Refusal	
				88	Don't know	
				99	No answer	
						F17a: Ask all
F17a	PDWRK	Doing last 7 days: paid work	F1.0	0	Not marked	F17a: PDWRK-

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
	EDCTN	Doing last 7 days: education		1	Marked	DNGNA: Same format, values and categories
	UEMPLA	Doing last 7 days: unemployed, actively looking for job				
	UEMPLI	Doing last 7 days: unemployed, not actively looking for job				
	DSBLD	Doing last 7 days: permanently sick or disabled				
	RTRD	Doing last 7 days: retired				
	CMSRV	Doing last 7 days: community or military service				
	HSWRK	Doing last 7 days: housework, looking after children, others				
	DNGOTH	Doing last 7 days: other				
	DNGREF	Doing last 7 days: refusal				
	DNGDK	Doing last 7 days: don't know				
	DNGNA	Doing last 7 days: no answer				
						Ask F17c if more than one marked at F17a
F17c	MAINACT	Main activity last 7 days	F2.0	01	Paid work	
				02	Education	
				03	Unemployed, looking for job	
				04	Unemployed, not looking for job	
				05	Permanently sick or disabled	
				06	Retired	
				07	Community or military service	
				08	Housework, looking after children, others	
				09	Other	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask F18 if F17a PDWRK=0
F18	CRPDWK	Control paid work last 7 days	F1.0	1	Yes	Go to F21
				2	No	Ask F19
				6	Not applicable	
				7	Refusal	
				8	Don't know	Ask F19
				9	No answer	
						Ask F19 if F18=2,7,8
F19	PDJOBEV	Ever had a paid job	F1.0	1	Yes	Ask F20
				2	No	Go to F36
				6	Not applicable	
				7	Refusal	
				8	Don't know	Go to F36
				9	No answer	
						Ask F20 if F19=1 Calendar year
F20	PDJOBYR	Year last in paid job	F4.0	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	

Qno	Name	Label	Format	Values	Categories	Comment
				9999	No answer	
						Ask F21 if F17a PDWRK=1 or F18=1 or F19=1
F21	EMPLREL	Employment relation	F1.0	1	Employee	Go to F23
				2	Self-employed	Ask F22
				3	Working for own family business	Go to F23
				6	Not applicable	
				7	Refusal	Go to F23
				8	Don't know	
				9	No answer	
						Ask F22 if F21=2 Go to F24 if number of employees given at F22
F22	EMPLNO	Number of employees respondent has/had	F5.0	66666	Not applicable	
				77777	Refusal	
				88888	Don't know	Go to F24
				99999	No answer	
						Ask F23 if F21=1,3,7,8
F23	WRKCTRA	Employment contract unlimited or limited duration	F1.0	1	Unlimited	
				2	Limited	
				3	No contract	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask F24 if F17a PDWRK=1 or F18=1 or F19=1
F24	ESTSZ	Establishment size	F1.0	1	Under 10	
				2	10 to 24	
				3	25 to 99	
				4	100 to 499	
				5	500 or more	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask F25 if F17a PDWRK=1 or F18=1 or F19=1
F25	JBSPV	Responsible for supervising other employees	F1.0	1	Yes	Ask F26
				2	No	Go to F27
				6	Not applicable	
				7	Refusal	Go to F27
				8	Don't know	
				9	No answer	
						Ask F26 if F25=1 Go to F27 if number of people given at F26

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
F26	NJBSPV	Number of people responsible for in job	F5.0	66666	Not applicable	
				77777	Refusal	Go to F27
				88888	Don't know	
				99999	No answer	
						Ask F27-F28 if F17a PDWRK=1 or F18=1 or F19=1
F27	WKDCORGA	Allowed to decide how daily work is organised	F2.0	00	I have/had no influence	F27-F28: Same format, values and categories
				01		
F28	IORGACT	Allowed to influence policy decisions about activities of organisation		02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	I have/had complete control	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask F29 if F17a PDWRK=1 or F18=1 or F19=1
F29	WKHCT	Total contracted hours per week in main job overtime excluded	F3.0	555	Do not have set "basic" or contracted number of hours	
				666	Not applicable	
				777	Refusal	
				888	Don't know	
				999	No answer	
						Ask F30 if F17a PDWRK=1 or F18=1 or F19=1
F30	WKHTOT	Total hours normally worked per week in main job overtime included		666	Not applicable	
				777	Refusal	
				888	Don't know	
				999	No answer	
						Ask F31 if F17a PDWRK=1 or F18=1 or F19=1
F31	NACER2	Industry, NACE rev.2	F3.0	666	Not applicable	F31: NACE Rev.2, see section D1.4
				777	Refusal	
				888	Don't know	
				999	No answer	
						Ask F32 if F17a PDWRK=1 or F18=1 or F19=1
F32	TPORGWK	What type of organisation work/worked for	F2.0	01	Central or local government	
				02	Other public sector (such as education and health)	
				03	A state owned enterprise	
				04	A private firm	
				05	Self employed	
				06	Other	

Qno	Name	Label	Format	Values	Categories	Comment
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
F33-34a	ISCO08	Occupation, ISCO08	F5.0	66666	Not applicable	Ask F33-F34a if F17a PDWRK=1 or F18=1 or F19=1 F33-34a: ISCO08, see section D1.3
				77777	Refusal	
				88888	Don't know	
				99999	No answer	
F35	WRKAC6M	Paid work in another country, period more than 6 months last 10 years	F1.0	1	Yes	Ask F35 if F17a PDWRK=1 or F18=1 or F19=1
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
F36	UEMP3M	Ever unemployed and seeking work for a period more than three months	F1.0	1	Yes	F36: Ask all Ask F37 Go to F39
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
F37	UEMP12M	Any period of unemployment and work seeking lasted 12 months or more	F1.0	1	Yes	Ask F37-F38 if F36=1 F37-F38: Same format, values and categories
				2	No	
F38	UEMP5YR	Any period of unemployment and work seeking within last 5 years		6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
F39	MBTRU	Member of trade union or similar organisation	F1.0	1	Yes, currently	F39: Ask all
				2	Yes, previously	
				3	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
F40	HINCSRCA	Main source of household income	F2.0	01	Wages or salaries	F40: Ask all
				02	Income from self-employment (excluding farming)	
				03	Income from farming	
				04	Pensions	
				05	Unemployment/redundancy benefit	
				06	Any other social benefits or grants	
				07	Income from investments, savings etc.	

Qno	Name	Label	Format	Values	Categories	Comment
				08	Income from other sources	
				77	Refusal	
				88	Don't know	
				99	No answer	
						F41: Ask all
F41	HINCTNTA	Household's total net income, all sources	F2.0	01	J - 1st decile	F41: Coding instructions, see section E1.5
				02	R - 2nd decile	
				03	C - 3rd decile	
				04	M - 4th decile	
				05	F - 5th decile	
				06	S - 6th decile	
				07	K - 7th decile	
				08	P - 8th decile	
				09	D - 9th decile	
				10	H - 10th decile	
				77	Refusal	
				88	Don't know	
				99	No answer	
						F42: Ask all
F42	HINCFEL	Feeling about household's income nowadays	F1.0	1	Living comfortably on present income	
				2	Coping on present income	
				3	Difficult on present income	
				4	Very difficult on present income	
				7	Refusal	
				8	Don't know	
				9	No answer	
						F42a: Ask if more than one household member at F1
F42a[1]	IINCSRC	Respondent's main source of income	F2.0	01	Wages or salaries	
				02	Income from self-employment (excluding farming)	
				03	Income from farming	
				04	Pensions	
				05	Unemployment/redundancy benefit	
				06	Any other social benefits or grants	
				07	Income from investments, savings etc.	
				08	Income from other sources	
				09	No personal income	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask F44 if F4=1
F44	EDULVLPB	Partner's highest level of education	F4.0	000	Not completed ISCED level 1	F44: ESS

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[1] Part of Round 9 rotating module on Justice and Fairness

Qno	Name	Label	Format	Values	Categories	Comment
				113	ISCED 1, completed primary education	education coding frame, see section D2.2
				129	Vocational ISCED 2C < 2 years, no access ISCED 3	
				212	General/pre-vocational ISCED 2A/2B, access ISCED 3 vocational	
				213	General ISCED 2A, access ISCED 3A general/all 3	
				221	Vocational ISCED 2C >= 2 years, no access ISCED 3	
				222	Vocational ISCED 2A/2B, access ISCED 3 vocational	
				223	Vocational ISCED 2, access ISCED3 general/all	
				229	Vocational ISCED 3C < 2 years, no access ISCED 5	
				311	General ISCED 3 >=2 years, no access ISCED 5	
				312	General ISCED 3A/3B, access ISCED 5B/lower tier 5A	
				313	General ISCED 3A, access upper tier ISCED 5A/all 5	
				321	Vocational ISCED 3C >= 2 years, no access ISCED 5	
				322	Vocational ISCED 3A, access ISCED 5B/ lower tier 5A	
				323	Vocational ISCED 3A, access upper tier ISCED 5A/all 5	
				412	General ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				413	General ISCED 4A, access upper tier ISCED 5A/all 5	
				421	ISCED 4 programmes without access ISCED 5	
				422	Vocational ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				423	Vocational ISCED 4A, access upper tier ISCED 5A/all 5	
				510	ISCED 5A short, intermediate/academic/general tertiary below bachelor	
				520	ISCED 5B short, advanced vocational qualifications	
				610	ISCED 5A medium, bachelor/equivalent from lower tier tertiary	
				620	ISCED 5A medium, bachelor/equivalent from upper/single tier tertiary	
				710	ISCED 5A long, master/equivalent from lower tier tertiary	
				720	ISCED 5A long, master/equivalent from upper/single tier tertiary	
				800	ISCED 6 doctoral degree	
				5555	Other	
				6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
	EDLVPDxx	Partner's highest level of education, [country]	F4.0	5555	Other	EDLVPDxx: Country-specific, see section E1.3
				6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask F45a if F4=1
F45a	PDWRKP	Partner doing last 7 days: paid work	F1.0	0	Not marked	F45a: PDWRKP-DNGNAP: Same format, values and
	EDCTNP	Partner doing last 7 days: education		1	Marked	

Qno	Name	Label	Format	Values	Categories	Comment
	UEMPLAP	Partner doing last 7 days: unemployed, actively looking for job				categories
	UEMPLIP	Partner doing last 7 days: unemployed, not actively looking for job				
	DSBLDP	Partner doing last 7 days: permanently sick or disabled				
	RTRDP	Partner doing last 7 days: retired				
	CMSRVP	Partner doing last 7 days: community or military service				
	HSWRKP	Partner doing last 7 days: housework, looking after children, others				
	DNGOTHP	Partner doing last 7 days: other				
	DNGDKP	Partner doing last 7 days: don't know				
	DNGNAPP	Partner doing last 7 days: not applicable				
	DNGREFP	Partner doing last 7 days: refusal				
	DNGNAP	Partner doing last 7 days: no answer				
F45c	MNACTP	Partner's main activity last 7 days	F2.0	01	Paid work	Ask F45c if more than one marked at F45a
				02	Education	
				03	Unemployed, looking for job	
				04	Unemployed, not looking for job	
				05	Permanently sick or disabled	
				06	Retired	
				07	Community or military service	
				08	Housework, looking after children, others	
				09	Other	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
F46	CRPDWKP	Partner, control paid work last 7 days		1	Yes	Ask F46 if F45a PDWRKP=0 Ask F47
				2	No	Go to F52
				6	Not applicable	
				7	Refusal	Go to F52
				8	Don't know	
				9	No answer	
F47-49	ISCO08P	Occupation partner, ISCO08	F5.0	66666	Not applicable	Ask F47-F49 if F45a=1 or F46=1 F47-49: ISCO08, see section D1.3
				77777	Refusal	
				88888	Don't know	
				99999	No answer	
F50	EMPRELP	Partner's employment relation	F1.0	1	Employee	Ask F50 if F45a=1 or F46=1
				2	Self-employed	

Qno	Name	Label	Format	Values	Categories	Comment
				3	Working for own family business	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask F51 if F45a=1 or F46=1
F51	WKHTOTP	Hours normally worked a week in main job overtime included, partner	F3.0	666	Not applicable	
				777	Refusal	
				888	Don't know	
				999	No answer	
						F52: Ask all
F52	EDULVLFB	Father's highest level of education	F4.0	000	Not completed ISCED level 1	F52: ESS education coding frame, see section D2.2
				113	ISCED 1, completed primary education	
				129	Vocational ISCED 2C < 2 years, no access ISCED 3	
				212	General/pre-vocational ISCED 2A/2B, access ISCED 3 vocational	
				213	General ISCED 2A, access ISCED 3A general/all 3	
				221	Vocational ISCED 2C >= 2 years, no access ISCED 3	
				222	Vocational ISCED 2A/2B, access ISCED 3 vocational	
				223	Vocational ISCED 2, access ISCED3 general/all	
				229	Vocational ISCED 3C < 2 years, no access ISCED 5	
				311	General ISCED 3 >=2 years, no access ISCED 5	
				312	General ISCED 3A/3B, access ISCED 5B/lower tier 5A	
				313	General ISCED 3A, access upper tier ISCED 5A/all 5	
				321	Vocational ISCED 3C >= 2 years, no access ISCED 5	
				322	Vocational ISCED 3A, access ISCED 5B/ lower tier 5A	
				323	Vocational ISCED 3A, access upper tier ISCED 5A/all 5	
				412	General ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				413	General ISCED 4A, access upper tier ISCED 5A/all 5	
				421	ISCED 4 programmes without access ISCED 5	
				422	Vocational ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				423	Vocational ISCED 4A, access upper tier ISCED 5A/all 5	
				510	ISCED 5A short, intermediate/academic/general tertiary below bachelor	
				520	ISCED 5B short, advanced vocational qualifications	
				610	ISCED 5A medium, bachelor/equivalent from lower tier tertiary	
				620	ISCED 5A medium, bachelor/equivalent from upper/single tier tertiary	
				710	ISCED 5A long, master/equivalent from lower tier tertiary	
				720	ISCED 5A long, master/equivalent from upper/single tier tertiary	
				800	ISCED 6 doctoral degree	

Qno	Name	Label	Format	Values	Categories	Comment
				5555	Other	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
	EDLVFDxx	Father's highest level of education, [country]	F4.0	5555	Other	EDLVFDxx: Country-specific, see section E1.3
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						F53: Ask all
F53	EMPRF14	Father's employment status when respondent 14	F1.0	1	Employee	Ask F54
				2	Self-employed	Ask F54
				3	Not working	
				4	Father dead/absent	Go to F56
				7	Refusal	
				8	Don't know	Ask F54
				9	No answer	
F54						Ask F54 if F53=1, 2,8. **Not** to be included in file1. See section B4 and E1.7
						Ask F55 if F53=1,2,8
F55	OCCF14B	Father's occupation when respondent 14	F2.0	01	Professional and technical occupations	
				02	Higher administrator occupations	
				03	Clerical occupations	
				04	Sales occupations	
				05	Service occupations	
				06	Skilled worker	
				07	Semi-skilled worker	
				08	Unskilled worker	
				09	Farm worker	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						F56: Ask all
F56	EDULVLMB	Mother's highest level of education	F4.0	0	Not completed ISCED level 1	F56: ESS education coding frame, see section D2.2
				113	ISCED 1, completed primary education	
				129	Vocational ISCED 2C < 2 years, no access ISCED 3	
				212	General/pre-vocational ISCED 2A/2B, access ISCED 3 vocational	
				213	General ISCED 2A, access ISCED 3A general/all 3	
				221	Vocational ISCED 2C >= 2 years, no access ISCED 3	
				222	Vocational ISCED 2A/2B, access ISCED 3 vocational	
				223	Vocational ISCED 2, access ISCED3 general/all	
				229	Vocational ISCED 3C < 2 years, no access ISCED 5	
				311	General ISCED 3 >=2 years,	

Qno	Name	Label	Format	Values	Categories	Comment
					no access ISCED 5	
				312	General ISCED 3A/3B, access ISCED 5B/lower tier 5A	
				313	General ISCED 3A, access upper tier ISCED 5A/all 5	
				321	Vocational ISCED 3C >= 2 years, no access ISCED 5	
				322	Vocational ISCED 3A, access ISCED 5B/ lower tier 5A	
				323	Vocational ISCED 3A, access upper tier ISCED 5A/all 5	
				412	General ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				413	General ISCED 4A, access upper tier ISCED 5A/all 5	
				421	ISCED 4 programmes without access ISCED 5	
				422	Vocational ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				423	Vocational ISCED 4A, access upper tier ISCED 5A/all 5	
				510	ISCED 5A short, intermediate/academic/general tertiary below bachelor	
				520	ISCED 5B short, advanced vocational qualifications	
				610	ISCED 5A medium, bachelor/equivalent from lower tier tertiary	
				620	ISCED 5A medium, bachelor/equivalent from upper/single tier tertiary	
				710	ISCED 5A long, master/equivalent from lower tier tertiary	
				720	ISCED 5A long, master/equivalent from upper/single tier tertiary	
				800	ISCED 6 doctoral degree	
				5555	Other	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
	EDLVMDxx	Mother's highest level of education, [country]	F4.0	5555	Other	EDLVMDxx: Country-specific, see section E1.3
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						F57: Ask all
F57	EMPRM14	Mother's employment status when respondent 14	F1.0	1	Employee	Ask F58
				2	Self-employed	Ask F58
				3	Not working	
				4	Mother dead/absent	Go to F60
				7	Refusal	
				8	Don't know	Ask F58
				9	No answer	
F58						Ask F58 if F57=1,2,8. **Not** to be included in file1. See section B4 and E1.7
						Ask F59 if F57=1,2,8
F59	OCCM14B	Mother's occupation when respondent 14	F2.0	01	Professional and technical occupations	

Qno	Name	Label	Format	Values	Categories	Comment
				02	Higher administrator occupations	
				03	Clerical occupations	
				04	Sales occupations	
				05	Service occupations	
				06	Skilled worker	
				07	Semi-skilled worker	
				08	Unskilled worker	
				09	Farm worker	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						F60: Ask all
F60	ATNCRSE	Improve knowledge/skills: course/lecture/conference, last 12 months	F1.0	1	Yes	
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						F61: Ask all
F61	ANCTRY1	First ancestry, European Standard Classification of Cultural and Ethnic Groups	F6.0	444444	Other	F61: European Standard Classification of Cultural and Ethnic Groups, see section D2.3
				777777	Refusal	
				888888	Don't know	
				999999	No answer	
	ANCTRY2	Second ancestry, European Standard Classification of Cultural and Ethnic Groups	F6.0	444444	Other	
				555555	No second ancestry	
				777777	Refusal	
				888888	Don't know	
				999999	No answer	
	ANC1xx	First ancestry, [country]	F6.0	444444	Other	ANC1xx: Country-specific, see section E1.8
				777777	Refusal	
				888888	Don't know	
				999999	No answer	
	ANC2xx	Second ancestry, [country]	F6.0	444444	Other	ANC2xx: Country-specific, see section E1.8
				555555	No second ancestry	
				777777	Refusal	
				888888	Don't know	
				999999	No answer	

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
						G1-G3: Ask all
G1	FRPRTPL	Political system in country ensures everyone fair chance to participate in politics	F1.0	1	Not at all	G1-G3: Same format, values and categories
				2	Very little	
G2	GVINTCZ	Government in country takes into account the interests of all citizens		3	Some	
				4	A lot	
G3	POLTRAN	Decisions in country politics are transparent		5	A great deal	
				7	Refusal	
				8	Don't know	
				9	No answer	
						G4: Ask all
G4	IFREDU	Compared other people in country, fair chance achieve level of education I seek	F2.0	00	Does not apply at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	Applies completely	
				55	I have not completed a level of education yet	
				77	Refusal	
				88	Don't know	
				99	No answer	
						G5-G7: Ask all
G5	IFRJOB	Compared other people in country, fair chance get job I seek		00	Does not apply at all	G5-G7: Same format, values and categories
				01		
G6	EVFREDU	Everyone in country fair chance achieve level of education they seek		02		
				03		
G7	EVFRJOB	Everyone in country fair chance get job they seek		04		
				05		
				06		
				07		
				08		
				09		
				10	Applies completely	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
						G8: Code if F1=1 and F40= 1,2,3,4,5,6 or F1>1 and F42a = 1,2,3,4,5,6.
						If (F42a=1,2,3) or (F1=1 and F40=1,2,3) then G8=1
						If (F42a=4) or (F1=1 and F40=4) then G8=2
						If (F42a=5,6) or (F1=1 and F40=5,6) then G8=3
G8	FVGABC	Filter variable: ask about pay, pensions, or social benefits	F1.0	1	Pay	
				2	Pensions	
				3	Social benefits	
				6	Not applicable	
				9	Not available	
						Ask G8a if G8=1 Ask G8b if G8=2 Ask G8c if G8=3
G8a/b/c	INFQBST	Your [pay/pensions/social benefits], which frequency do you know best	F1.0	1	Weekly	
				2	Monthly	
				3	Annual	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						G9a: Ask if G8=1
G9a	GRSPNUM	What is your usual [weekly/monthly/annual] gross pay	F7.0	6666666	Not applicable	
				7777777	Refusal	Go to G10a
				8888888	Don't know	
				9999999	No answer	
						G10a: Ask if G9a = 7777777, 8888888
G10a	GRSPLET	Which letter describes your gross pay	F2.0	01	K – 1st category	
				02	S – 2nd category	
				03	D – 3rd category	
				04	N – 4th category	
				05	G – 5th category	
				06	T – 6th category	
				07	L – 7th category	
				08	Q – 8th category	
				09	F – 9th category	
				10	J – 10th category	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

Qno	Name	Label	Format	Values	Categories	Comment
						Ask G11a if G8=1 Ask G11b if G8=2 Ask G11c if G8=3
G11a/b/c	NETINUM	Your usual [weekly/monthly/annual] net [pay/pensions/social benefits]	F7.0	6666666	Not applicable	
				7777777	Refusal	Go to G12a/b/c
				8888888	Don't know	
				9999999	No answer	
						G12a/b/c: Ask if G11a/b/c = 7777777, 8888888
G12a/b/c	NETILET	Which letter describes your net [pay/pensions/social benefits]	F2.0	01	K – 1st category	
				02	S – 2nd category	
				03	D – 3rd category	
				04	N – 4th category	
				05	G – 5th category	
				06	T – 6th category	
				07	L – 7th category	
				08	Q – 8th category	
				09	F – 9th category	
				10	J – 10th category	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						G13a: Ask if G9a > 0 or G9a = 7777777, 8888888
G13a	GRSPFR	Would you say your gross pay is unfairly low, fair, or unfairly high	F1.0	-4	Low, extremely unfair	
				-3	Low, very unfair	
				-2	Low, somewhat unfair	
				-1	Low, slightly unfair	
				0	Fair	
				1	High, slightly unfair	
				2	High, somewhat unfair	
				3	High, very unfair	
				4	High, extremely unfair	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						G14a/b/c: Ask if G11a/b/c > 0 or G11a/b/c = 7777777, 8888888
G14a/b/c	NETIFR	Your net [pay/pensions/social benefits] is unfairly low, fair, or unfairly high	F1.0	-4	Low, extremely unfair	
				-3	Low, very unfair	
				-2	Low, somewhat unfair	
				-1	Low, slightly unfair	
				0	Fair	
				1	High, slightly unfair	
				2	High, somewhat unfair	
				3	High, very unfair	
				4	High, extremely unfair	
				6	Not applicable	
				7	Refusal	
				8	Don't know	

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
				9	No answer	
						G15a: Ask if G13a > 0 or G13a < 0 or G13a = 7, 8
G15a	FRLGRSP	Fair level of [weekly/monthly/annual] gross pay for you	F7.0	6666666	Not applicable	
				7777777	Refusal	
				8888888	Don't know	
				9999999	No answer	
						G16a/b/c: Ask if G14a/b/c > 0 or G14a/b/c < 0 or G14a = 7, 8
G16a/b/c	FRLNETI	Fair level of [weekly/monthly/annual] net [pay/pensions/social benefits] for you	F7.0	6666666	Not applicable	
				7777777	Refusal	
				8888888	Don't know	
				9999999	No answer	
						Ask G17a if G8=1 Ask G17b if G8=2 Ask G17c if G8=3
G17a/b/c	OCCINFR	Net [pay/pensions/social benefits] of people same occupation as you in country, how fair	F1.0	-4	Low, extremely unfair	
				-3	Low, very unfair	
				-2	Low, somewhat unfair	
				-1	Low, slightly unfair	
				0	Fair	
				1	High, slightly unfair	
				2	High, somewhat unfair	
				3	High, very unfair	
				4	High, extremely unfair	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						G18-G19: Ask all
G18	TOPINFR	Top 10% full-time employees in country, earning more than [amount], how fair	F1.0	-4	Low, extremely unfair	G18-G19: Same format, values and categories
				-3	Low, very unfair	
G19	BTMINFR	Bottom 10% full-time employees in country, earning less than [amount], how fair		-2	Low, somewhat unfair	
				-1	Low, slightly unfair	
				0	Fair	
				1	High, slightly unfair	
				2	High, somewhat unfair	
				3	High, very unfair	
				4	High, extremely unfair	
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
						G20: Ask all
G20	WLTDFFR	Differences in wealth in country, how fair	F1.0	-4	Small, extremely unfair	
				-3	Small, very unfair	
				-2	Small, somewhat unfair	
				-1	Small, slightly unfair	
				0	Fair	
				1	Large, slightly unfair	
				2	Large, somewhat unfair	
				3	Large, very unfair	
				4	Large, extremely unfair	
				7	Refusal	
				8	Don't know	
				9	No answer	
						G21-G25: Ask all
G21	RECSKIL	Influence decision to recruit in country: person's knowledge and skills	F1.0	1	Not much or no influence	G21-G25: Same format, values and categories
G22	RECEXP	Influence decision to recruit in country: person's on-the-job experience		2	Some influence	
G23	RECKNOW	Influence decision to recruit in country: person knows someone in organisation		3	Quite a lot of influence	
				4	A great deal of influence	
				7	Refusal	
				8	Don't know	
G24	RECIMG	Influence decision to recruit in country: person has immigrant background		9	No answer	
G25	RECGNDR	Influence decision to recruit in country: person's gender				
						G26-G29: Ask all
G26	SOFRDST	Society fair when income and wealth is equally distributed	F1.0	1	Agree strongly	G26-G29: Same format, values and categories
				2	Agree	
G27	SOFRWRK	Society fair when hard-working people earn more than others		3	Neither agree nor disagree	
				4	Disagree	
G28	SOFRPR	Society fair when takes care of poor and in need, regardless of what give back		5	Disagree strongly	
				7	Refusal	
G29	SOFRPRV	Society fair when people from families with high social status enjoy privileges		8	Don't know	
				9	No answer	
						G30-G32: Ask all
G30	PPLDSRV	By and large, people get what they deserve	F1.0	1	Agree strongly	G30-G32: Same format, values and categories
				2	Agree	
G31	JSTPREV	Confident that justice always prevails over injustice		3	Neither agree nor disagree	
				4	Disagree	
G32	PCMPINJ	Convinced that in the long run people compensated for injustices		5	Disagree strongly	
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1h. Data file 1: Main questionnaire, section H

Qno	Name	Label	Format	Values	Categories	Comment
						Ha-Hu: Ask all
Ha	IPCRTIV	Important to think new ideas and being creative	F1.0	1	Very much like me	Ha-Hu: Same format, values and categories
Hb	IMPRICH	Important to be rich, have money and expensive things		2	Like me	
Hc	IPEQOPT	Important that people are treated equally and have equal opportunities		3	Somewhat like me	
				4	A little like me	
Hd	IPSHABT	Important to show abilities and be admired		5	Not like me	
				6	Not like me at all	
He	IMPSAFE	Important to live in secure and safe surroundings		7	Refusal	
				8	Don't know	
Hf	IMPDIFF	Important to try new and different things in life		9	No answer	
Hg	IPFRULE	Important to do what is told and follow rules				
Hh	IPUDRST	Important to understand different people				
Hi	IPMODST	Important to be humble and modest, not draw attention				
Hj	IPGDTIM	Important to have a good time				
Hk	IMPFREE	Important to make own decisions and be free				
Hl	IPHLPPL	Important to help people and care for others well-being				
Hm	IPSUCES	Important to be successful and that people recognize achievements				
Hn	IPSTRGV	Important that government is strong and ensures safety				
Ho	IPADVNT	Important to seek adventures and have an exciting life				
Hp	IPBHPRP	Important to behave properly				
Hq	IPRSPOT	Important to get respect from others				
Hr	IPLYLFR	Important to be loyal to friends and devote to people close				
Hs	IMPENV	Important to care for nature and environment				
Ht	IMPTRAD	Important to follow traditions and customs				
Hu	IMPFUN	Important to seek fun and things that give pleasure				

Table F.1i. Data file 1: Main questionnaire, section I

Qno	Name	Label	Format	Values	Categories	Comment
						Ask I1-I3 if C31=1
I1	TESTHI1	In country governing parties are punished in elections when they have done a bad job	F2.0	00	The governing parties are not punished at all in elections when they have done a bad job	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	The governing parties are punished completely in elections when they have done a bad job	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
I2	TESTHI2	In country the government protects citizens against poverty	F2.0	00	The government does not protect citizens against poverty at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	The government protects citizens against poverty completely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
I3	TESTHI3	In country the government explains its decisions to voters	F2.0	00	The government does not explain its decisions to voters at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09		
				10	The government explains its decisions to voters	

Qno	Name	Label	Format	Values	Categories	Comment
					completely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask I4-I6 if C31=2
I4	TESTHI4	In country governing parties are punished in elections when they have done a bad job	F2.0	00	The governing parties are not punished at all in elections when they have done a bad job	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09	The governing parties are punished in elections when they have done a bad job	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
I5	TESTHI5	In country the government protects citizens against poverty	F2.0	00	The government does not protect citizens against poverty at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		
				09	The government protects citizens against poverty	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
I6	TESTHI6	In country the government explains its decisions to voters	F2.0	00	The government does not explain its decisions to voters at all	
				01		
				02		
				03		
				04		
				05		
				06		
				07		
				08		

Table F.1i. Data file 1: Main questionnaire, section I

Qno	Name	Label	Format	Values	Categories	Comment
				09	The government explains its decisions to voters	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask I7-I9 if C31=3
I7	TESTHI7	In country governing parties are punished in elections when they have done a bad job	F2.0	00	Does not apply at all	I7-I9: Same format, values and categories
				01		
I8	TESTHI8	In country the government protects citizens against poverty		02		
				03		
I9	TESTHI9	In country the government explains its decisions to voters		04		
				05		
				06		
				07		
				08		
				09		
				10	Applies completely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1j. Data file 1: Other variables

~: New variable since ESS8.

Qno	Name	Label	Format	Values	Categories	Comment
	REGIONxx	Region, [country]	A5	"99999"	Not available	See section E1.4
	INTAGEA	Age of interviewer	F3.0	999	Not available	See section E3.1
	INTGNDR	Gender of interviewer	F1.0	1	Male	
				2	Female	
				9	Not available	
	INWDDS	Start of interview, day of month	F2.0	99	Not available	
	INWMMS	Start of interview, month	F2.0	99	Not available	
	INWYYS	Start of interview, year	F4.0	9999	Not available	
	INWSHH	Start of interview, hour	F2.0	99	Not available	
	INWSMM	Start of interview, minute	F2.0	99	Not available	
	INWDDE	End of interview, day of month	F2.0	99	Not available	
	INWMME	End of interview, month	F2.0	99	Not available	
	INWYYE	End of interview, year	F4.0	9999	Not available	
	INWEHH	End of interview, hour	F2.0	99	Not available	
	INWEMM	End of interview, minute	F2.0	99	Not available	
	AINWEHH	End of module a, hour	F2.0	99	Not available	
	AINWEMM	End of module a, minute	F2.0	99	Not available	
	BINWEHH	End of module b, hour	F2.0	99	Not available	
	BINWEMM	End of module b, minute	F2.0	99	Not available	
	CINWEHH	End of module c, hour	F2.0	99	Not available	
	CINWEMM	End of module c, minute	F2.0	99	Not available	
	DINWEHH	End of module d, hour	F2.0	99	Not available	
	DINWEMM	End of module d, minute	F2.0	99	Not available	
	FINWEHH	End of module f, hour	F2.0	99	Not available	
	FINWEMM	End of module f, minute	F2.0	99	Not available	
	~GINWEHH	End of module g, hour	F2.0	99	Not available	
	~GINWEMM	End of module g, minute	F2.0	99	Not available	
	HINWEHH	End of module h, hour	F2.0	99	Not available	

Table F.1j. Data file 1: Other variables

~: New variable since ESS8.

Qno	Name	Label	Format	Values	Categories	Comment
	HINWEMM	End of module h, minute	F2.0	99	Not available	
	IINWEHH	End of module i, hour	F2.0	99	Not available	
	IINWEMM	End of module i, minute	F2.0	99	Not available	

Table F.2. Data file 2: Interviewer's questionnaire; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	IDNO	RESPONDENT'S IDENTIFICATION NUMBER	F9.0			See section E2
	CNTRY	Country	A2			See sections E1.1, E2
						J1-J4: Fill in for all
J1	RESCLQ	Clarification of questions	F1.0	1	Never	J1-J4: Same format, values and categories
J2	RESRELQ	Respondent reluctant to answer		2	Almost never	
J3	RESBAB	Respondent tried to answer questions to the best of ability		3	Now and then	
				4	Often	
J4	RESUNDQ	Respondent understood the questions		5	Very often	
				8	Don't know	
				9	No answer	
						J5: Fill in for all
J5	PREINTF	Anyone present who interfered with the interview	F1.0	1	Yes	Fill in J6
				2	No	Go to J6a
				9	No answer	
						J6: Fill in if J5=1
J6	PREWHP	Husband/wife/partner interfered with interview	F1.0	0	Not marked	J6 PREWHP-PRENA: Same format, values and categories
				1	Marked	
	PRESD	Son/daughter (inc. step/adopted) interfered with interview				
	PREPPIL	Parent/parent in law interfered with interview				
	PREOREL	Other relative interfered with interview				
	PRENREL	Other non-relative interfered with interview				
	PREDK	Don't know who interfered with interview				
	PRENAP	Who interfered with interview not applicable				
	PRENA	Who interfered with interview no answer				
						J6a: Fill in for all
J6a	RESSWCD	Respondent's use of showcards, extent	F1.0	1	Respondent used all of the applicable showcards	
				2	Respondent used only some of the applicable showcards	
				3	Respondent refused/ was unable to use the showcards at all	
				8	Don't know	
				9	No answer	
						J7: Fill in for all
J7	INTLNGA	Interview questionnaire language	A3	"999"	No answer	J7: ISO 639-2, see section D1.2
						J8: Fill in for all
J8	INTNUM	Interviewer's identification number	F6.0			See table F3: INTNUM= INTNUM1 or INTNUM2 or INTNUM3 See also section E3.1
						J9: Fill in for all
J9	ACOMINT	Additional comments on the interview, interviewer	A50			In language of interview

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	IDNO	Respondent's identification number	F9.0			See section E2
	CNTRY	Country	A2			See sections E1.1 and E2
	TYPESAMP	Type of the sample	F1.0	1	Individual person	TYPESAMP: Fill in for all
				2	Household	
				3	Address	
A1	NUMHH	Number of households at the address	F3.0	666	Not applicable	NUMHH: Fill in if TYPESAMP=3
				999	Not available	
A2	HHSELECT	Number of households selected at the address	F2.0	66	Not applicable	HHSELECT: Fill in if TYPESAMP=3 and 1 < NUMHH < 13
				99	Not available	
	MULTHNUM	Identification number of household on address	F3.0	666	Not applicable	MULTHNUM: Fill in if TYPESAMP=3 and HHSELECT > 1
				999	Not available	
B2	NHHMEM	Number of members 15 years or more in household	F2.0	66	Not applicable	NHHMEM: Fill in if TYPESAMP=2,3
				99	Not available	
	AGE_SU	Exact age of the sample unit (individual sample frame)	F3.0	666	Not applicable	AGE_SU: Fill in if TYPESAMP=1
				999	Not available	
	GNDR_SU	Gender of the sample unit (individual sample frame)	F1.0	1	Male	GNDR_SU: Fill in if TYPESAMP=1
				2	Female	
				6	Not applicable	
				9	Not available	
	DEFECTCF	Contact form information for the sample unit	F1.0	1	Contact form filled in by interviewer	DEFECTCF: Fill in for all
				2	Contact form missing	
	INTERVA	Interview information for the sample unit	F1.0	1	Complete and valid interview related to CF	INTERVA: Fill in for all
				2	Interview incomplete	
				3	Interview invalid	
				4	No interview because of opt out list	
				5	No interview for other reason	
				9	Not available	
	TELNUM	Telephone number	F1.0	1	Present	TELNUM: Fill in for all
				2	No phone	
				3	Refused	
				9	Not available	
	SBATCH	Sample batch number (on first entry into the field)	F3.0	666	Not applicable	BATCH: Fill in for all.
	INTNUM1	Interviewer-number of the interviewer who started the visits	F6.0	999999	Not available	INTUM1-INTNUMN: See section E3.1 INTNUM1: Fill in for all
	TOTCIN1	Number of visits the original interviewer (intnum1) did	F3.0	999	Not available	TOTCIN1: Fill in for all
	INTNUM2	Interviewer-number of the interviewer	F6.0	666666	Not applicable	INTNUM2: Fill in if

Qno	Name	Label	Format	Values	Categories	Comment
		who started the re-issue		999999	Not available	more than one interviewer deployed for sample unit
	TOTCIN2	Number of visits the second interviewer (intnum2) did	F3.0	666	Not applicable	TOTCIN2: Fill in if more than one interviewer deployed for sample unit
				999	Not available	
	INTNUM3	Interviewer-number of the third interviewer	F6.0	666666	Not applicable	INTNUM3: Fill in if more than two interviewers deployed for sample unit
				999999	Not available	
	TOTCIN3	Number of visits the third interviewer (intnum3) did	F3.0	666	Not applicable	TOTCIN3: Fill in if more than two interviewers deployed for sample unit
				999	Not available	
	INTNUMN	Interviewer-number of the n-th interviewer	F6.0	666666	Not applicable	INTNUMN: Fill in if N interviewers deployed for sample unit
				999999	Not available	
	TOTCINN	Number of visits the n-th interviewer (intnumn) did	F3.0	666	Not applicable	TOTCINN: Fill in if N interviewers deployed for sample unit
				999	Not available	
1	DATEV1	Date of the first visit	F2.0	99	Not available	DATEV1: Fill in for all. Calendar number of day.
	DATE2	Date of the second visit	F2.0	66	Not applicable	DATE2-DATEN: Fill in according to total number of contact attempts for sample unit. Calendar number of day.
	DATE3	Date of the third visit		99	Not available	
	DATE4	Date of the fourth visit				
	DATE5	Date of the fifth visit				
	DATE6	Date of the sixth visit				
	DATE7	Date of the seventh visit				
	DATE8	Date of the eighth visit				
	DATE9	Date of the ninth visit				
	DATEN	Date of the n-th visit				
1	MONV1	Month of the first visit	F2.0	99	Not available	MONV1: Fill in for all. Calendar number of month.
	MONV2	Month of the second visit	F2.0	66	Not applicable	MONV2-MONVN: Fill in according to total number of contact attempts for sample unit. Calendar number of month.
	MONV3	Month of the third visit		99	Not available	
	MONV4	Month of the fourth visit				
	MONV5	Month of the fifth visit				
	MONV6	Month of the sixth visit				
	MONV7	Month of the seventh visit				
	MONV8	Month of the eighth visit				
	MONV9	Month of the ninth visit				
	MONVN	Month of the n-th visit				
2	DAYV1	Weekday of the first visit	F2.0	01	Monday	DAYV1: Fill in for all
				02	Tuesday	

Qno	Name	Label	Format	Values	Categories	Comment
				03	Wednesday	
				04	Thursday	
				05	Friday	
				06	Saturday	
				07	Sunday	
				99	Not available	
	DAYV2	Weekday of the second visit	F2.0	01	Monday	DAYV2-DAYVN: Fill in according to total number of contact attempts for sample unit
	DAYV3	Weekday of the third visit		02	Tuesday	
	DAYV4	Weekday of the fourth visit		03	Wednesday	
	DAYV5	Weekday of the fifth visit		04	Thursday	
	DAYV6	Weekday of the sixth visit		05	Friday	
	DAYV7	Weekday of the seventh visit		06	Saturday	
	DAYV8	Weekday of the eighth visit		07	Sunday	
	DAYV9	Weekday of the ninth visit		66	Not applicable	
	DAYVN	Weekday of the n-th visit		99	Not applicable	
3	HOURV1	Hour of the first visit	F2.0	99	Not available	HOURV1: Fill in for all. Range 0-23
	HOURV2	Hour of the second visit	F2.0	66	Not applicable	HOURV2-HOURVN: Fill in according to total number of contact attempts for sample unit Range 0-23
	HOURV3	Hour of the third visit		99	Not available	
	HOURV4	Hour of the fourth visit				
	HOURV5	Hour of the fifth visit				
	HOURV6	Hour of the sixth visit				
	HOURV7	Hour of the seventh visit				
	HOURV8	Hour of the eighth visit				
	HOURV9	Hour of the ninth visit				
	HOURVN	Hour of the n-th visit				
3	MINV1	Minute of the first visit	F2.0	99	Not available	MINV1: Fill in for all. Range 0-59
	MINV2	Minute of the second visit	F2.0	66	Not applicable	MINV2-MINVN: Fill in according to total number of contact attempts for sample unit Range 0-59
	MINV3	Minute of the third visit		99	Not available	
	MINV4	Minute of the fourth visit				
	MINV5	Minute of the fifth visit				
	MINV6	Minute of the sixth visit				
	MINV7	Minute of the seventh visit				
	MINV8	Minute of the eighth visit				
	MINV9	Minute of the ninth visit				
	MINVN	Minute of the n-th visit				
4	MODEVB1	Mode of the first visit	F1.0	1	Personal face-to-face	MODEVB1: Fill in for all
				2	Telephone	
				3	Personal but only by intercom	
				4	Information through survey organisation	
				5	Other	
				9	Not available	
	MODEVB2	Mode of the second visit	F1.0	1	Personal face-to-face	MODEVB2-MODEVBN: Fill in according to total number of contact
	MODEVB3	Mode of the third visit		2	Telephone	
	MODEVB4	Mode of the fourth visit		3	Personal but only by intercom	

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	MODEVB5	Mode of the fifth visit		4	Information through survey organisation	attempts for sample unit
	MODEVB6	Mode of the sixth visit		5	Other	
	MODEVB7	Mode of the seventh visit		6	Not applicable	
	MODEVB8	Mode of the eighth visit		9	Not available	
	MODEVB9	Mode of the ninth visit				
	MODEVBN	Mode of the n-th visit				
	NUMTEL	Number of automatic calls before first face-to-face contact or contact attempts	F3.0	666	Not applicable	NUMTEL, NUMTELA: See section E4
				999	Not available	
	NUMTELA	Number of automatic calls after first face-to-face contact or contact attempts	F3.0	666	Not applicable	
				999	Not available	
5	RESULB1	Result of the first visit	F2.0	01	Completed interview	RESULB1: Fill in for all
				02	Partial interview	Go to N1
				03	Contact with unidentified person	
				04	Contact with respondent but no interview	Fill in OUTNIC1
				05	Contact with someone other than respondent	
				06	No contact at all	Go to N1
				07	Invalid address	Go to OUTINVAL
				08	Other information about sample unit	Fill in OUTNIC1
				99	Not available	
						RESULB2-RESULBN: Fill in according to total number of contact attempts for sample unit
	RESULB2	Result of the second visit	F2.0	01	Completed interview	
	RESULB3	Result of the third visit		02	Partial interview	Go to N1
	RESULB4	Result of the fourth visit		03	Contact with unidentified person	
	RESULB5	Result of the fifth visit		04	Contact with respondent but no interview	Fill in OUTNICn
	RESULB6	Result of the sixth visit		05	Contact with someone other than respondent	
	RESULB7	Result of the seventh visit		06	No contact at all	Go to N1
	RESULB8	Result of the eighth visit		07	Invalid address	Go to OUTINVAL
	RESULB9	Result of the ninth visit		08	Other information about sample unit	Fill in OUTNICn
	RESULBN	Result of the n-th visit		66	Not applicable	
				99	Not available	
						OUTNICn: Fill in if RESULBn=3,4,5,8 Go to N1
6	OUTNIC1	Outcome when there was no interview (visit 1)	F2.0	01	An appointment was made	
	OUTNIC2	Outcome when there was no interview (visit 2)		02	Refusal of target respondent	Fill in REFVIS1 (if 1st refusal), REFVIS2 (if 2nd refusal), REFVIS3 (if 3rd refusal), REFVISN (if Nth refusal)
	OUTNIC3	Outcome when there was no interview (visit 3)		03	Refusal by proxy (family, acquaintance)	
	OUTNIC4	Outcome when there was no interview (visit 4)		04	Someone refused, not sure if respondent	
	OUTNIC5	Outcome when there was no interview (visit 5)		05	Respondent not available/away	
	OUTNIC6	Outcome when there was no interview (visit 6)		06	Respondent mentally/physically not able, ill/sick (short term)	Go to N1

Qno	Name	Label	Format	Values	Categories Comm	ent
	OUTNIC7	Outcome when there was no interview (visit 7)		07	Respondent mentally/physically not able, ill/sick (long term)	
	OUTNIC8	Outcome when there was no interview (visit 8)		08	Respondent deceased	
	OUTNIC9	Outcome when there was no interview (visit 9)		09	Respondent moved abroad	End contact procedure
	OUTNICN	Outcome when there was no interview (visit n)		10	Respondent moved, unsure whether abroad	
				11	Respondent moved, within country	Go to 13 (New address)[1]
				12	Language barrier	Go to 6b (Language)[2]
				13	Other	Go to N1
				66	Not applicable	
				99	Not available	
7	REFVIS1	Number of visit at which a refusal occurred (1)	F3.0	666	Not applicable	REFVIS1: Fill in if OUTNICn=2,3,4, and 1st refusal
	REFVIS2	Number of visit at which a refusal occurred (2)		999	Not available	REFVIS2: Fill in if OUTNICn=2,3,4, and 2nd refusal
	REFVIS3	Number of visit at which a refusal occurred (3)				REFVIS3: Fill in if OUTNICn=2,3,4, and 3rd refusal
	REFVISN	Number of visit at which a refusal occurred (n)				REFVISN: Fill in if OUTNICn=2,3,4, and Nth refusal
8	RERSB1_1	Reason for refusal (1_1)	F2.0	1	It is bad timing (otherwise engaged, sick children, visitors,…)	RERSB1_1-1_N: Fill in if 1st refusal
	RERSB1_2	Reason for refusal (1_2)		2	I am not interested	RERSB2_1-2_N: Fill in if 2nd refusal
	RERSB1_3	Reason for refusal (1_3)		3	I don't know enough about this topic, too difficult for me	
	RERSB1_4	Reason for refusal (1_4)		4	This is a waste of time	RERSB3_1-3_N: Fill in if 3rd refusal
	RERSB1_5	Reason for refusal (1_5)		5	This is a waste of money	
	RERSB2_1	Reason for refusal (2_1)		6	The survey interferes with my privacy / I give no personal information	RERSBN_1-N_N: Fill in if Nth refusal
	RERSB2_2	Reason for refusal (2_2)		7	I never do surveys	Maximum five reasons for each refusal.
	RERSB2_3	Reason for refusal (2_3)		8	I have already cooperated in surveys too often	
	RERSB2_4	Reason for refusal (2_4)		9	I do not trust surveys	
	RERSB2_5	Reason for refusal (2_5)		10	I have had bad experiences before with surveys	
	RERSB3_1	Reason for refusal (3_1)		11	I don't like the subject	
	RERSB3_2	Reason for refusal (3_2)		12	My partner/family/household members do not give approval	
	RERSB3_3	Reason for refusal (3_3)		13	I do not admit strangers to my house, I am afraid to let them in	
	RERSB3_4	Reason for refusal (3_4)		14	Other	
	RERSB3_5	Reason for refusal (3_5)		66	Not applicable	
	RERSBN_1	Reason for refusal (n_1)		99	Not available	
	RERSBN_2	Reason for refusal (n_2)				
	RERSBN_3	Reason for refusal (n_3)				
	RERSBN_4	Reason for refusal (n_4)				
	RERSBN_5	Reason for refusal (n_5)				
9	COOPA1	Estimation of the cooperation rate at refvis1	F2.0	1	Target respondent will definitely not cooperate in future	COOPA1: Fill in if 1st refusal
	COOPA2	Estimation of the cooperation rate at refvis2		2	Target respondent will probably not cooperate in future	COOPA2: Fill in if 2nd refusal COOPA3: Fill in if 3rd refusal

[1] Variable 13 (New address) not to be included in CF file deposit to ESS Data Archive (cf. flow chart)
[2] Variable 6b (Language) not to be included in CF file deposit to ESS Data Archive (cf. flow chart)

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	COOPA3	Estimation of the cooperation rate at refvis3		3	Target respondent may perhaps cooperate in future	COOPAN: Fill in if Nth refusal
	COOPAN	Estimation of the cooperation rate at refvisn		4	Target respondent will cooperate in future	
				5	No contact with respondent	Assessed future cooperation rate at first, second and third refusal
				66	Not applicable	
				88	Don't know	
				99	Not available	
10	AGEB_1 AGEB_2 AGEB_3 AGEB_N	Estimation of age of respondent or household member who refuses, by interviewer	F2.0	1	Under 20	AGEB_1: Fill in if 1st refusal AGEB_2: Fill in if 2nd refusal AGEB_3: Fill in if 3rd refusal AGEB_N: Fill in if Nth refusal
				2	20 to 39	
				3	40 to 59	
				4	60 or over	
				66	Not applicable	
				88	Don't know	
				99	Not available	
11	GENDERB1 GENDERB2 GENDERB3 GENDERBN	Gender of respondent or household member who refuses, recorded by interviewer	F2.0	1	Male	GENDERB1: Fill in if 1st refusal GENDERB2: Fill in if 2nd refusal GENDERB3: Fill in if 3rd refusal GENDERBN: Fill in if Nrd refusal
				2	Female	
				66	Not applicable	
				88	Don't know	
				99	Not available	
12	OUTINVAL	Outcome address invalid	F2.0	01	The house/address is derelict or demolished	OUTINVAL: Fill in if RESULBn=7
				02	The home is not yet built or not ready for occupation	
				03	The address is not occupied (empty, second home, seasonal home, ...)	
				04	The address is not residential: only purpose is business, industrial	
				05	The address is not residential: institution (retirement home, hospital, military unit, monastery, ...)	End contact procedure
				06	The address is not traceable. The information I was given is insufficient	
				07	Other	
				66	Not applicable	
				99	Not available	
N1	TYPE	Type of house respondent lives in	F2.0	01	Single unit: Farm	TYPE: Fill in if RESULBn=1,2,6 or OUTNICn=1,2,3,4, 5,6,7,12,13 and neighbourhood characteristics not already registered for sample unit in previous contact attempt.
				02	Single unit: Detached house	
				03	Single unit: Semi-detached house	
				04	Single unit: Terraced house	
				05	Only housing unit in building with other purpose	
				06	Multi-unit house, flat	
				07	Multi-unit: Student apartments, rooms	
				08	Multi-unit: Nursing / retirement home	
				09	House-trailer or boat	
				10	Other	
				88	Don't know	
				99	Not available	

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
N2	ACCESS	Entry phone or locked gate/door before reaching respondent's individual door	F1.0	1	Yes, entry phone	ACCESS: Fill in if RESULBn=1,2,6 or OUTNICn=1,2,3,4, 5,6,7,12,13 and neighbourhood characteristics not already registered for sample unit in previous contact attempt.
				2	Yes, locked gate/door	
				3	Yes, entry phone and locked gate/door	
				4	No, neither of these	
				9	Not available	
N3	PHYSA	Assessment overall physical condition building/house	F1.0	1	Very good	PHYSA: Fill in if RESULBn=1,2,6 or OUTNICn=1,2,3,4, 5,6,7,12,13 and neighbourhood characteristics not already registered for sample unit in previous contact attempt.
				2	Good	
				3	Satisfactory	
				4	Bad	
				5	Very bad	
				9	Not available	
N4	LITTERA	Amount of litter and rubbish in the immediate vicinity	F1.0	1	Very large amount	LITTERA-VANDAA: Fill in if RESULBn=1,2,6 or OUTNICn=1,2,3,4, 5,6,7,12,13 and neighbourhood characteristics not already registered for sample unit in previous contact attempt.
				2	Large amount	
N5	VANDAA	Amount of vandalism and graffiti in the immediate vicinity		3	Small amount	
				4	None or almost none	
				9	Not available	
	RECONVA	Number of visit when refusal conversion activities started	F3.0	00	No refusal conversion took place	RECONVA: Fill in if OUTNICn=2,3,4
				666	Not applicable	
				999	Not available	

Table F.4 Data file 4: Sample design data; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	IDNO	RESPONDENT'S IDENTIFICATION NUMBER	F9.0			See section E2
	CNTRY	COUNTRY	A2			See sections E1.1 and E2
						For further variable descriptions, see section F4.1
	PROB1	SELECTION PROBABILITY FIRST SAMPLING STAGE	F14.12			PROB1: Mandatory
	PROB2	SELECTION PROBABILITY SECOND SAMPLING STAGE	F14.12	.	Not applicable	PROB2-PROB4: Fill in according to number of sampling stages
	PROB3	SELECTION PROBABILITY THIRD SAMPLING STAGE				
	PROB4	SELECTION PROBABILITY FOURTH SAMPLING STAGE				
	PSU	PSU IDENTIFICATION	Fn.0			PSU: Mandatory
	SAMPPOIN	SAMPLINGPOINT IDENTIFICATION	Fn.0	.	Not applicable	SAMPPOIN: Fill in if multi-stage design where PSUs and sample points not coterminous
	SSU	SSU IDENTIFICATION	Fn.0	.	Not applicable	SSU: Fill in if 3 or more stages and more than one 3rd-stage unit selected within each 2nd-stage unit
	STRATEX1	EXPLICIT STRATUM IDENTIFICATION	Fn.0	.	Not applicable	STRATEX1: Fill in if explicit stratification at 1st stage
	STRATIM1	IMPLICIT STRATUM IDENTIFICATION 1	Fn.0	.	Not applicable	STRATIM1: Fill in if implicit stratification at 1st stage
	STRATIM2	IMPLICIT STRATUM IDENTIFICATION 2	Fn.0	.	Not applicable	STRATIM2: Fill in if 2 or more stages and implicit stratification at 2nd stage
	STRTVAL1	VALUE ON FIRST STRATIFICATION VARIABLE	Fn.0	.	Not applicable	STRTVAL1: Fill in if implicit stratification at 1st stage
	STRTVAL2	VALUE ON SECOND STRATIFICATION VARIABLE	Fn.0	.	Not applicable	STRTVAL2: Fill in if implicit stratification at 1st stage, based upon combination of 2 or more variables
	STRTVAL3	VALUE ON THIRD STRATIFICATION VARIABLE	Fn.0	.	Not applicable	STRTVAL3 Fill in if implicit stratification at 1st stage, based upon combination of 3 or more variables
	OUTCOME	FIELD OUTCOME	F1.0	1	Data in main data file	OUTCOME: Mandatory
				2	Eligible non-respondent	
				3	Ineligible	

Table F.4 Data file 4: Sample design data; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	RESSAM	RESERVE SAMPLE IDENTIFICATION	Fn.0	.	Not applicable	RESSAM: Fill in if reserve sample used
	FIELDINI	FIELDWORK AGENCY WORKING ON THE SAMPLE UNIT	F2.0	.	Not applicable	FIELDINI: Fill in if more than one fieldwork agency.
	DOMAIN	SAMPLING DOMAIN IN THE SIGN-OFF FORM	F2.0	.	Not applicable	DOMAIN: Fill in if more than one sampling domain

Annex, Sample design data file

F4.1 File description

The file should contain one record for each <u>selected address</u>, in the case of address-based samples, or for each <u>selected individual</u>, in the case of individual-based (population register) samples – i.e. the complete gross sample. (In the rare event of a design in which it is possible to select more than one person at an address, extra records will be needed for any extra persons thus selected.) Please make sure that you include all ineligible and non-responding units as well as responding ones.
The table below lists the variables that should be included on the file. Please use the variable names exactly as they appear here. Please include all variables, even though several of them are likely to be blank (missing) for all units.

The annex contains examples of how the variables should be interpreted for different types of sample design. It is suggested that you look closely at these examples. National coordinators may seek advice from their nominated member of the sampling and weighting expert panel if necessary.

Note on missing values: All variables up to and including "outcome" should be present on the data file. Those variables that are not relevant to the sample design (e.g. 3rd-stage probabilities, in the case of a 2-stage design) should be left blank. For missing values on variables that *do* apply, use code 9 for items that are missing through interviewer or other error. This should apply only to certain items in the case of address-based sampling.

We assume that SPSS, STATA or SAS system files will be delivered.

NAME of variable	MEANING OF VARIABLE (label) and codes
IDNO	*Mandatory*. **Element number** *(same as in main data file).* This uniquely identifies the selected element (address or person). It will be the key for matching this file to the respondent data file. Numeric.
PROB1	*Mandatory*. **Selection or inclusion probability at first stage**. Numeric, positive, non-zero, 12 decimal places (or as many as necessary to provide at least 4 significant figures for all cases). For multi-stage samples, all records with the same value of PSU should have the same value of PROB1.
PROB2	*Applies if there are at least 2 stages of selection.* **Selection or inclusion probability at second stage** (conditional upon first stage). Numeric, positive, non-zero, 12 decimal places (or as many as necessary to provide at least 4 significant figures for all cases). All records with the same combination of PSU/SSU should have the same value of PROB2.
PROB3	*Applies if there are at least 3 stages of selection.* **Selection probability at third stage** (conditional upon first two stages). Numeric, positive, non-zero, 12 decimal places (or as many as necessary to provide at least 4 significant figures for all cases). For some designs, either PROB3 or PROB4 will correspond to the reciprocal of the number of persons aged 15 or over at the address. In this case the value should be blank for ineligibles (OUTCOME=3) and should be 9 for non-responding units (OUTCOME=2) where the number of persons aged 15+ was not established.
PROB4	*Applies if there are 4 stages of selection.* **Selection probability at fourth stage** (conditional upon first 3 stages). Numeric, positive, non-zero, 12 decimal places (or as many as necessary to provide at least 4 significant figures for all cases).

PSU	*Mandatory. For 1-stage designs, PSU = IDNO.* **First stage unit** (primary sampling unit) to which the sample element belongs. Integer. Value labels are not needed: PSUs can be anonymous.
SAMPPOIN	*Applies only to multi-stage designs where PSUs and sample points are not coterminous.* **Sampling point** to which the sample element belongs. Integer. Value labels are not needed: sampling points can be anonymous.
SSU	*Applies if there are 3 or more stages and more than one 3rd-stage unit is selected within each 2nd-stage unit.* **Second stage unit** (secondary sampling unit) to which the sample element belongs. Integer. Need only be unique within PSU.
STRATEX1	*Applies if explicit stratification was used at 1st stage (independent selections from each stratum).* **Stage 1 explicit stratum** to which the sample element belongs. All records with the same value of PSU should have the same value of STRATEX1. If more than one variable was used for stratification, STRATEX1 stores the unique crosscombinations, i.e. the stratum cell identifiers.
STRATIM1	*Applies if implicit stratification was used at 1st stage (systematic selections - possibly PPS - from an ordered list).* **Order on list of PSU** (order of selection). If PSUs are numbered in the order of selection then STRATIM1 = PSU.
STRATIM2	*Applies if there are 2 or more stages and if implicit stratification was used at 2nd stage (systematic selections from an ordered list).* **Order on list of SSU/element** within the PSU (order of selection). All records with the same combination of PSU/SSU (if any) should have the same value of STRATIM2
STRTVAL1	*Applies if implicit stratification was used at 1st stage.* **First implicit stratification variable**. Numeric value.
STRTVAL2	*Applies if implicit stratification was used at 1st stage, based upon a combination of 2 or more variables.* **Second implicit stratification variable**. Numeric value.
STRTVAL3	*Applies if implicit stratification was used at 1st stage, based upon a combination of 3 or more variables.* **Third implicit stratification variable**. Numeric value.
OUTCOME	*Mandatory* **Summary field outcome**. Value = 1 for respondent (data in questionnaire data file), 2 for eligible non-respondent (refusal, non- contact, unable to be interviewed due to language, health, etc.), 3 for ineligible (outside of survey population: died, moved abroad, vacant address, etc.)
RESSAM	*Applies if reserve sample(s) used.* In the exceptional case where reserve samples are used, this variable indicates to which part of the sample an element belongs (1=main sample, 2=first res. sample, 3=second res. sample, etc.) One record should be included for each reserve sample element (address or individual) that was selected and activated. Unused reserve sample elements should not be included in the SDDF.
FIELDINI	*Applies only if more than one institute conducts the fieldwork.* Variable indicating the fieldwork institute working on the sample element (i.e. contact and/or interview). Assign a number to each fieldwork agency.

DOMAIN	*Applies only if more than one sampling domain is used, (i.e. if a multi sampling design survey was conducted).* This variable indicates to which sampling domain an element belongs (1=1st sampling domain in the Sign-Off Form, 2=2nd sampling domain in the Sign-Off Form, etc.).
Micro Auxiliary Variables	*Optional, but strongly encouraged* Relevant micro-level auxiliary variables that could be used in non-response analysis and non-response adjustment. For example, gender, age, education level, type of living area, household size, mother tongue, citizenship and other information from registers and administrative sources. Please provide informative variable labels and value labels.
Macro Auxiliary Variables	*Optional, but strongly encouraged*. Relevant macro-level auxiliary variables that could be used for calibration or other benchmarking the sample information to population level. For example, 15+ population by STRATEX1 if explicit stratification is used or other calibration margins by gender or age group. Please provide informative variable labels and value labels.

F4.2 Examples

Example 1: *Single-stage un-clustered sample of persons selected from population register, stratified by region and proportional allocation of the gross sample size (n) to strata.*

- PROB1 = *n/N* for all records (*n* is number of persons selected into the gross sample in each stratum including any who turn out to be ineligible for the survey, *N* is total number on the register, excluding any who were given a zero probability of selection);
- STRATEX1 = region indicator;
- PROB2, PROB3, PROB4, PSU, SAMPPOINT, SSU, STRATIM1, STRATIM2, STRTVAL1, STRTVAL2, STRTVAL3 blank for all records.

Example 2: *Clustered sample of addresses within PSUs, with field selection of one person per address. PSUs selected systematically PPS from an ordered list (order of population size within regions). Equal number of addresses selected from each PSU, systematically from a geographically-ordered list.*

Notation: *m* PSUs selected out of *M* in population

N_i addresses in i^{th} PSU, $\sum_{i=1}^{M} N_i = N$;

total of *n* addresses selected, i.e. *n/m* in each of *m* PSUs;

total number of eligible persons at k^{th} address is $\boldsymbol{\mu_k}$.

- PROB1 = $\dfrac{m \times N_i}{N}$

- PROB2 = $\dfrac{n}{m \times N_i}$

- PROB3 = $\dfrac{1}{\mu_k}$

It may be problematic to obtain PROB3 for all non-respondents if not contacted or if any other data source is not available.
- PSU = 1, 2, 3, ... m;
- STRATIM1 = 1, 2, 3, … *m* in order PSUs were selected;
- STRATIM2 = 1, 2, 3, … *n/m* in order addresses were selected within PSU;
- STRTVAL1 = region indicator;
- STRTVAL2 = population size of the PSU;
- PROB4, SAMPPOINT, SSU, STRATEX1, STRATEX2, STRTVAL3 blank for all records.

F4.3 Checking plausibility of PROB variables.

You can check the plausibility for your calculated PROB variables before the first data release. This can help to facilitate an orderly data release, as potential problems with the calculation of the design weights can be addressed at a much earlier stage and it may help to prevent the necessity of resupplying a corrected SDDF.

The product of the PROB variables should produce the inclusion probabilities of the elements in the gross sample.

For example, in a 3-stage sampling design the SDDF must have three PROB variables, and

$$PROB1_i * PROB2_i * PROB3_i = \pi_i$$

where $PROB1_i$, $PROB2_i$, and $PROB3_i$ are the values of variable PROB1, PROB2 and PROB3 for the *i*-th element respectively and π_i is the inclusion probability of the *i*-th element, i.e. the probability of person *i*-th person to be included into the sample.

A fundamental check for the plausibility of the calculated PROB variables can be done by comparing N and $\widehat{N}$, where N is size of the target population and $\widehat{N}$ is given by

$$\widehat{N} = \sum_{i=1}^{ngross} \pi_i^{-1}$$

with *ngross* as the gross sample size. $\widehat{N}$ represents an estimate of N, thus both values should be reasonably close to each other. If $\widehat{N}$ differs much from N, say by over 25%, then this is evidence that at least one of the calculated PROB variables might be wrong. In case of missing values in a PROB variable, e.g. because the households size was unknown, then, for the purpose of calculating $\widehat{N}$, the missing values can be substituted by the mean of the available values for the respective PROB variable.

A more sophisticated check would be to compare the estimate of some socio-demographic variables, like age, gender, region and education with the corresponding official values.

For example, if x_{ai} is an indicator variable of the i-th element in the net sample, which assumes a value of 1 if the element belongs to region a and 0 otherwise. Then the following estimator

$$\bar{x}_a = \frac{\sum_{i=1}^{nnet} x_{ai} \pi_i^{-1}}{\sum_{i=1}^{nnet} \pi_i^{-1}}$$

should produce an estimate close to the official percentage of people living in region a. The value *nnet* is the net sample size for the region variable, i.e. the number of persons that responded to the variable. The same procedure can be applied for all other regions and also with indicator variables for gender, age, and level of education.

It should be noted that an estimator like $\bar{x}_a$ can of course be subject to non-response bias, as it presents only a complete case analysis. Hence, only distinct difference between estimated values and official figures should be considered as a sign of incorrect calculated PROB variables.

F5. Flowchart of the routings in the ESS main

A2 NETUSOFT
ASK A2: ASK ALL
GO TO A3: If code 4, 5 at A2
GO TO A4: If code 1-3, 7 and 8 at A2

A2

A3 NETUSTM
ASK A3: If code 4, 5 at A2
GO TO A4: ALL

A3

A4 to B12 ASK ALL
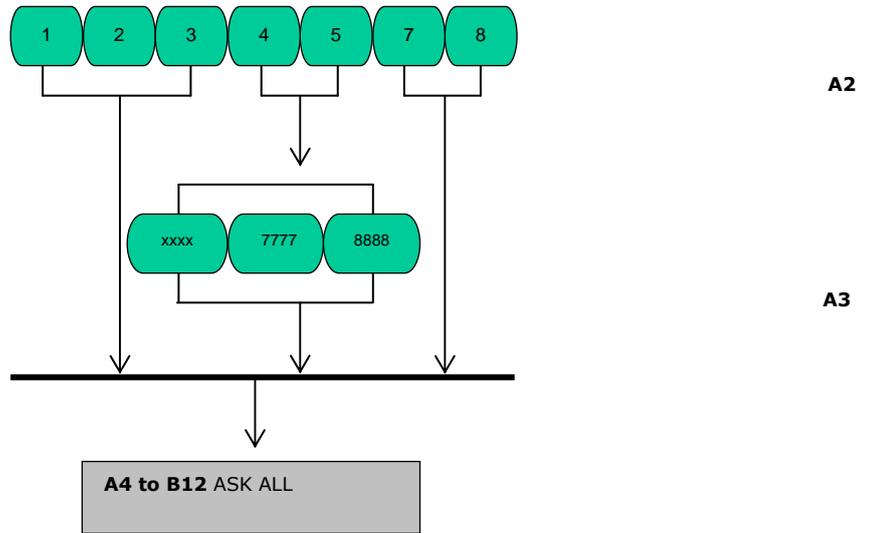
B13 VOTE
ASK B13: ASK ALL
GO TO B14: If code 1 at B13
GO TO B15: If code 2,3,7 or 8 at B13

B13

| 1 | 2 | 3 | 7 | 8 |

B14 PRTVTxx PRTVxx1 PRTVxxN
COUNTRY SPECIFIC QUESTION AND CODES
ASK B14: If code 1 at B13
GO TO B15: ALL

B14

| 01 | xx | 77 | 88 |

B15 to B22 ASK ALL
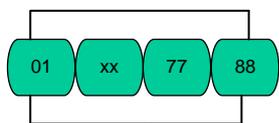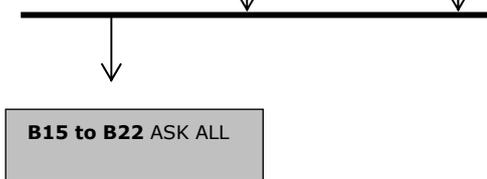
B23 CLSPRTY
ASK B23: ASK ALL
GO TO B24: If code 1 at B23
GO TO B25:
If code 2,7 or 8 at B23

B23

| 1 | 2 | 7 | 8 |

B24 PRTCLxx
COUNTRY SPECIFIC QUESTION AND CODES
ASK B24: If code 1 at B23
GO TO B25: If party coded (code 01 to xx) at B24
GO TO B26: If code 77 or 88 at B24

B24

| 01 | xx | 77 | 88 |
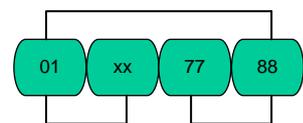
B25 PRTDGCL
ASK B25: If party coded (code 01 to xx) at B24
GO TO B26: ALL

B25

| 1 | 2 | 3 | 4 | 7 | 8 |

B26 to C10 ASK ALL
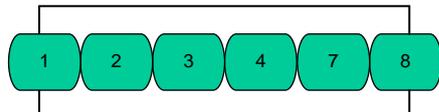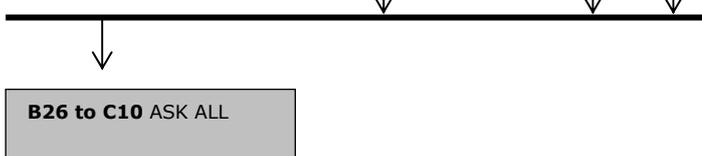
C11 RLGBLG
ASK C11: ASK ALL
GO TO C12: If code 1 at C11
GO TO C13: If code 2,7 or 8 at C11

| 1 | 2 | 7 | 8 |

C12 RLGDNM
COUNTRY SPECIFIC CODES
FOR RECODING INTO
ESS STANDARD CODING FRAME
ASK C12: If code 1 at C11
GO TO C15: ALL

| 01 | xx | 77 |

C13 RLGBLGE
ASK C13: If code 2,7 or 8 at C11
GO TO C14: If code 1 at C13
GO TO C15: If code 2,7 or 8 at C13

| 1 | 2 | 7 | 8 |

C14 RLGDNME
ASK C14: If code 1 at C13
GO TO C15: ALL

| 01 | xx | 77 |

C15 to C17 ASK ALL
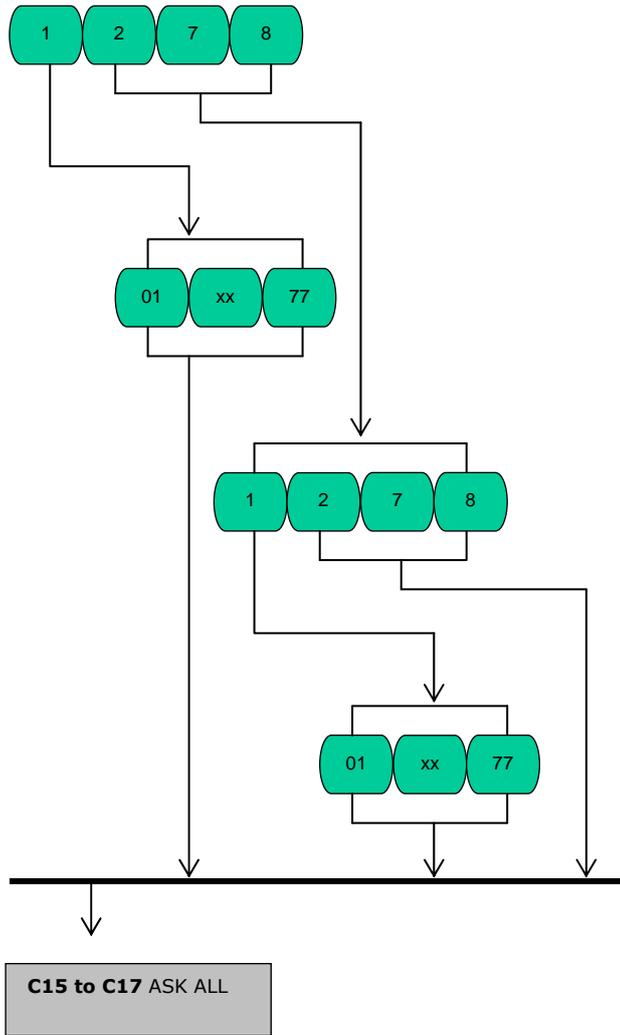
C18 DSCRGRP
ASK C18: ASK ALL
GO TO C19: If code 1 at C18
GO TO C20: If code 2,7 or 8 at C18

| 1 | 2 | 7 | 8 |

C19 DSCRRCE DSCRNTN DSCRRLG
DSCRLNG DSCRETN DSCRAGE
DSCRGND DSCRSEX DSCRDSB
DSCROTH (DSCRREF) DSCRDK
ASK C19: If code 1 at C18
CODE ALL THAT APPLY
GO TO C20: ALL

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |
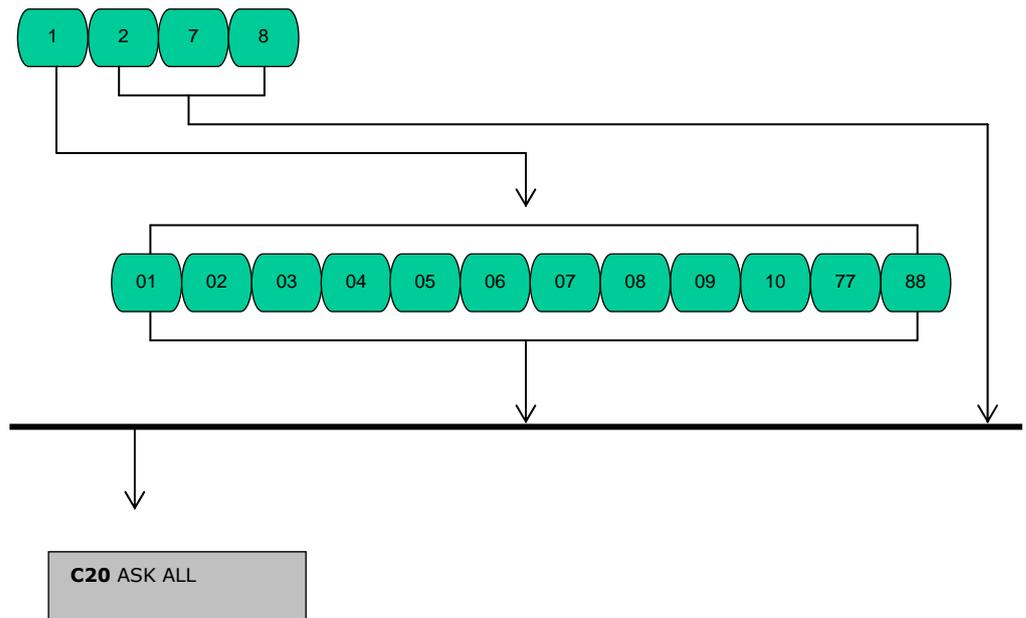
C20 ASK ALL

C20 CTZCNTR
ASK C20: ASK ALL
GO TO C21: If code 2, or 8 at C20
GO TO C22: If code 1 or 7 at C20
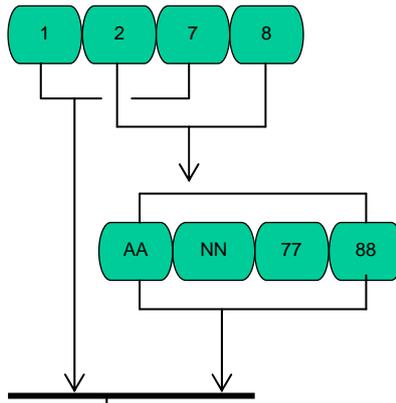
C21 CTZSHIPC
ISO 3166-1
ASK C21: If code 2 or 8 at C20
GO TO C22: ALL

C22 BRNCNTR
ASK C20: ASK ALL
GO TO C23: If code 2 at C22
GO TO C24: If code 1,7 or 8 at C22
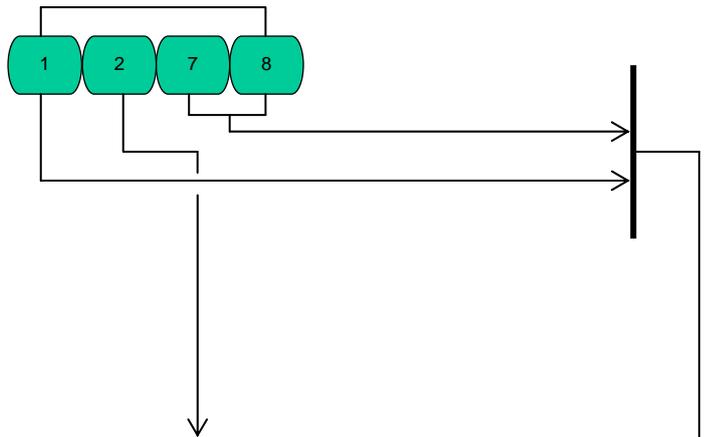
C23 CNTBRTHC
ISO 3166-1
ASK C23: If code 2 at C20
GO TO C24: If country coded
or code "77" or "88" at C22

C24 LIVECNTA
ASK C24: If code 2 at C23
GO TO C25: ALL

C25 to C27 ASK ALL
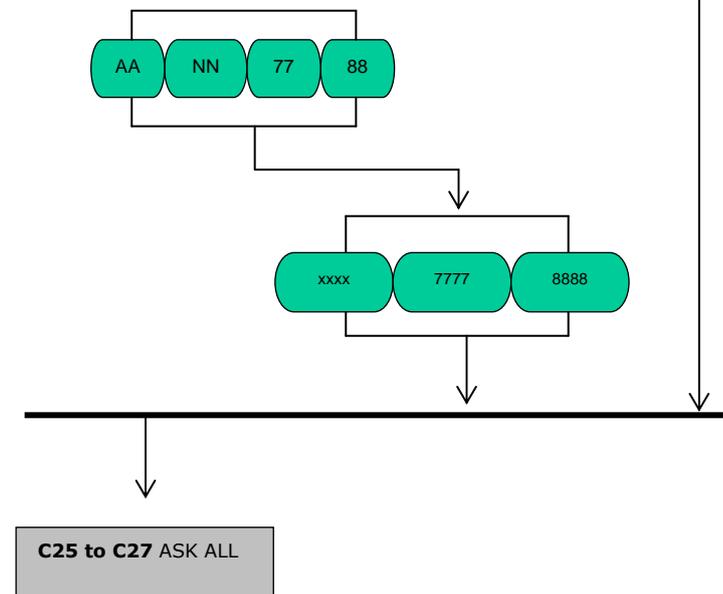
C27 FACNTR
ASK C27: ASK ALL
GO TO C28: If code 2 at C27
GO TO C29: If code 1,7 or 8 at C27

C27

| 1 | 2 | 7 | 8 |

C28 FBRNCNTB
ISO 3166-1
ASK C28: If code 2 at C27
GO TO C29: ALL

C28
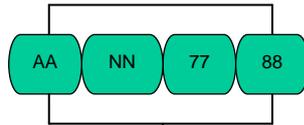
| AA | NN | 77 | 88 |

C29 MOCNTR
ASK C29: ASK ALL
GO TO C30: If code 2 at C29
Go to C32: If code 1,7 or 8 at
C29

C29

| 1 | 2 | 7 | 8 |
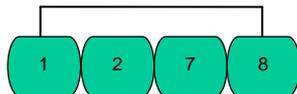
C30 MBRNCNTB
ISO 3166-1
ASK C30: If code 2 at C29
Go to C32: CODE ALL

C30

| AA | NN | 77 | 88 |

Automated random allocation to C31,
Groups 1, 2 and 3
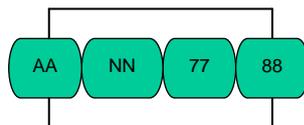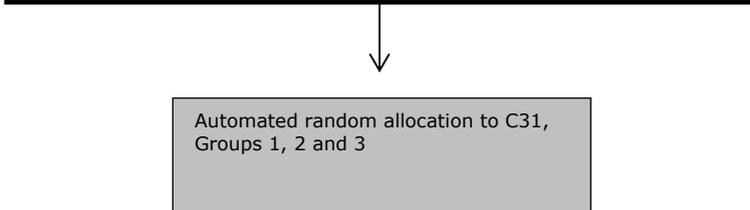
C31 ADMDW
CODE C31: CODE ALL by automated random allocation to groups 1, 2 or 3.
GO TO C32: If code 1 at C32
GO TO C35: If code 2 at C32
GO TO C38: If code 3 at C32

C31

| 1 | 2 | 3 |
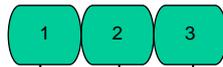
C32 TESTHC32
CODE C32: If code 1 at C31
GO TO C33: ALL

C32

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |
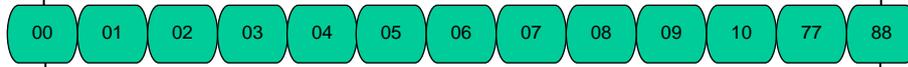
C33 TESTHC33
CODE C33: If code 1 at C31
GO TO C34: ALL

C33

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |

C34 TESTHC34
CODE C34: If code 1 at C31
GO TO C41: ALL

C34

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |

C35 TESTHC35
CODE C35: If code 2 at C31
GO TO C36: ALL

C35

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |

C36 TESTHC36
CODE C36: If code 2 at C31
GO TO C37: ALL

C36

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |

C37 TESTHC37
CODE C37: If code 2 at C31
GO TO C41: ALL

C37

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |

C38 TESTHC38
CODE C38: If code 3 at C31
GO TO C39: ALL

C38

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |

C39 TESTHC39
CODE C39: If code 3 at C31
GO TO C40: ALL

C39

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
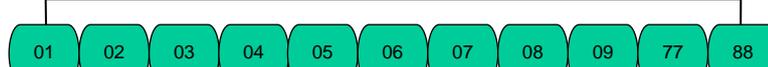
C40 TESTHC40
CODE C40: If code 3 at C31
GO TO C41: ALL

C40

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
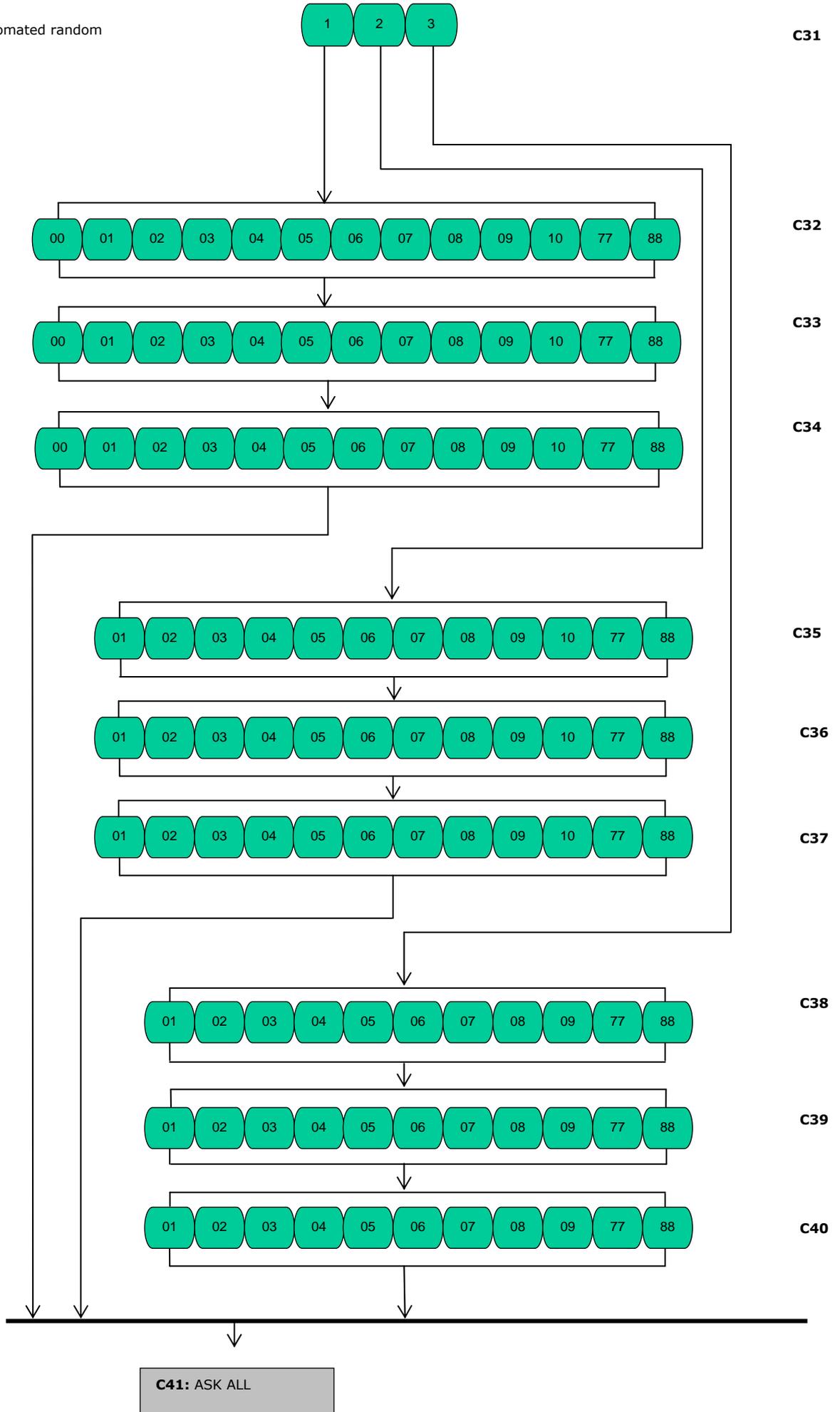
C41: ASK ALL

D1 EVPDEMP
ASK D1: ASK ALL
GO TO D2: If code 1 at D1
GO TO D3: If code 2,7 at D1

D2 PDEMPYR
ASK D2: If code 1 at D1
GO TO D3: ALL

D3 ASK ALL
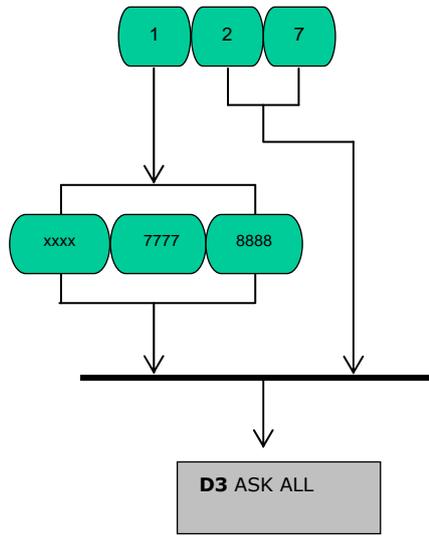
D4 EVLVPTN
ASK D4: ASK ALL
GO TO D5: If code 1 at D4
GO TO D6: If code 2, 7 at D4

D5 LVPTNYR
ASK D5: If code 1 at D4
GO TO D6: ALL
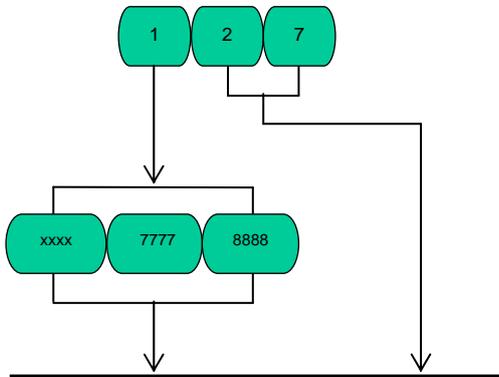
D6 EVMAR
ASK D6: ASK ALL
GO TO D7: If code 1 at D6
GO TO D8: If code 2, 7 at D6

D7 MARYR
ASK D7: If code 1 at D6
GO TO D8: ALL

D8 ASK ALL
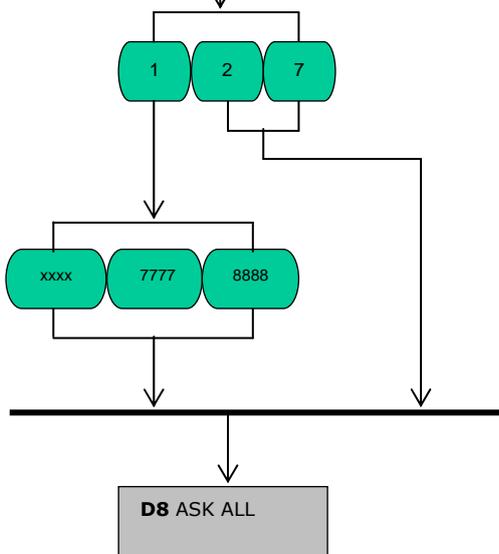
D8 BTHCLD
ASK D8: ASK ALL
GO TO D9: If code 1 at D8
GO TO D14a: If code 2,7 or 8 at D8

D8

| 1 | 2 | 7 | 8 |

D9 NBTHCLD
ASK D9: If code 1 at D8
GO TO D10: ALL

D9

| xx [1] | xx [>1] | 77 | 88 |

D10 FCLDBRN
ASK D10: If code 1 at D8
GO TO D11: If >1 at D9
GO TO D12: If 1, 77 or 88 at D9 and <2003 at D10
GO TO D14a: If 1, 77 or 88 at D9 and >=2003 at D10

D10

| xxxx [<2003] | xxxx [>=2003] | 7777 | 8888 |

ASK D11: If >1 at D9

ASK D12: If 1, 77, 88 at D9 and <2003 at D10

ASK D14a: If 1, 77, 88 at D9 and >=2003 at D10

D11 YCLDBYR
ASK D11: IF >1 at D9
GO TO D12: If 1, 77 or 88 at D9 and <2003, 7777 or 8888 at D10
GO TO D14a: If 1, 77 or 88 at D9 and >=2003, 7777 or 8888 at D10

D11

| xxxx | 7777 | 8888 |

ASK D12: If <2003 at D10

ASK D14a: If >=2003, 7777, 8888 at D10

D12 NGCHLD
ASK D12: If <2003 at D10
GO TO D13: If >=1 at D12
GO TO D14a: If 0, 77 or 88 at D12

D12

| xx [0] | xx [>=1] | 77 | 88 |

D13 YGCDBYR
ASK D13: If >=1 at D12
GO TO D14: If <2003 at D13
GO TO D14a: If >=2003, 7777 or 8888 at D13

D13

| xxxx [<2003] | xxxx [>=2003] | 7777 | 8888 |

D14 GGCHLD
ASK D14: If <2003 at D13
GO TO D14a: ALL

D14

| 1 | 2 | 7 | 8 |

D14a CODE ALL
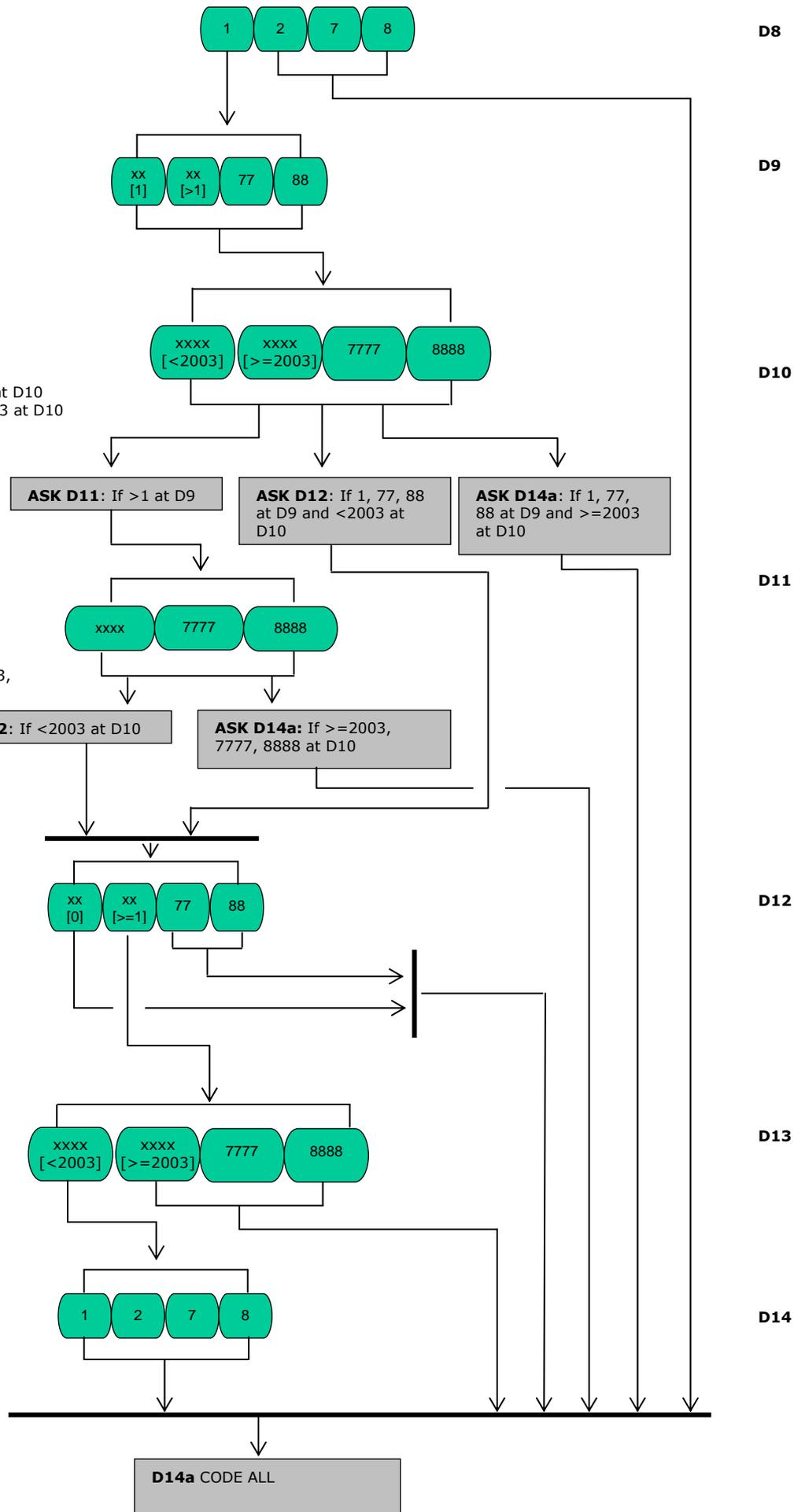
F4 RSHIPA2 - RSHIPAN;
ASK F4: ASK ALL
GO TO F6:
If code 01 at F4
GO TO F7:
If NOT code 01 at F4

| 01 | 02 | 03 | 04 | 05 | 06 | 77 | 88 |

F6 RSHPSTS
ASK F6:
If code 01 at F4
GO TO F7:
If code 01,02,05,06,
77 or 88 at F6
GO TO F8:
If code 03 or 04 at F6

| 01 | 02 | 03 | 04 | 05 | 06 | 77 | 88 |
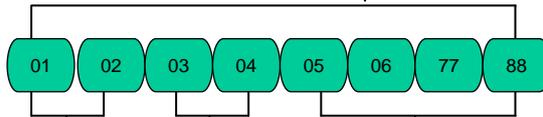
F7 LVGPTNEA
ASK F7:
If NOT code 01 at F4
or code 01,02,05,06,
77 or 88 at F6
GO TO F8: ALL

| 1 | 2 | 7 | 8 |
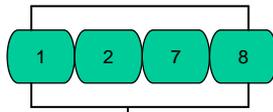
F8 DVRCDEVA
ASK F8: ASK ALL
GO TO F11: If NOT code 01
at F4 or if code 03,04 at F6
GO TO F13: If code 01 at F4
or code 01,02,05,06,
77 or 88 at F6
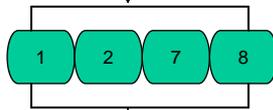
| 1 | 2 | 7 | 8 |

ASK F11:
If NOT code 01 at F4
or code 03, 04 at F6

F11 MARSTS
ASK F11: If NOT code 01 at
F4 or if code 03 or 04 at F6
GO TO F13: If NOT code 02
at F4

| 01 | 02 | 03 | 04 | 05 | 06 | 77 | 88 |
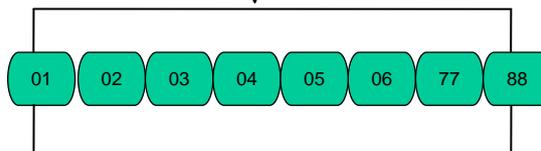
ASK F13:
If NOT code 02 at F4

F13 CHLDHHE
ASK F13: If NOT code 2 at F12
GO TO F14: ALL

| 1 | 2 | 7 | 8 |
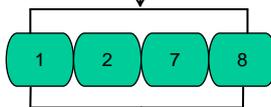
F14 ASK ALL

F17a PDWRK EDCTN UEMPLA
UEMPLI DSBLD RTRD CMSRV
HSWRK DNGOTH (DNGREF) DNGDK
ASK F17a: ASK ALL
GO TO F17c: If more than one coded
At F17a
GO TO F18: If only one coded at F17a

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |

Ask F17c: If more than one coded at F17a, 01-09

Ask F18: If only one coded at F17a, 01-09

F17c MAINACT
ASK F17c: If more than one coded at
F17a, 01-09
GO TO F18: If NOT code 01 at F17a

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |

Go to F21: If code 01 at F17a

Ask F18: If NOT code 1 at F17a
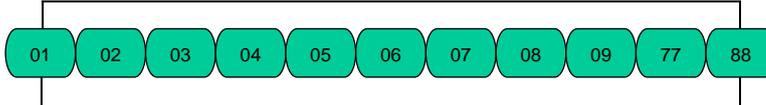
F18 CRPDWK
ASK F18: Code 02 to 09, 77 or 88 at F17a
GO TO F19: If code 2,7 or 8 at F18
GO TO F21: If code 1 at F18

| 1 | 2 | 7 | 8 |
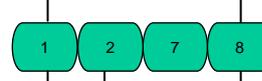
F19 PDJOBEV
ASK F19: If code 2,7 or 8 at F18
GO TO F20: If code code 1 at F19
GO TO F36: If code 2,7 or 8 at F19

| 1 | 2 | 7 | 8 |

F20 PDJOBYR
ASK F20: If code 1 at F19
GO TO F21: If year coded or code 7777
or 8888 at F20

| xxxx | 7777 | 8888 |
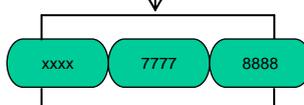
Ask F21: If code 01 at F17a or code 01
at F18 or code 01 at F19

Go to F36: ASK ALL

F21 EMPLREL
ASK F21: If code 01 at F17a or code 1 at F18 or code 1 at F19
GO TO F22: If code 2 at F21
GO TO F23: If code 1, 3, 7 or 8 at F21

F21

| 1 | 2 | 3 | 7 | 8 |
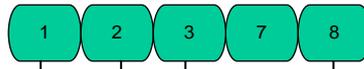
F22 EMPLNO
ASK F22: If code 2 at F21
GO TO F24:
If number coded or code 77777 or 88888 at F22

F22

| xxxxx | 77777 | 88888 |
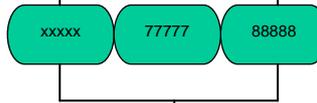
F23 WRKCTRA
ASK F23: If code 1, 3, 7 or 8 at F21
GO TO F24: If code 1,2,3,7 or 8 at F23

F23

| 1 | 2 | 3 | 7 | 8 |
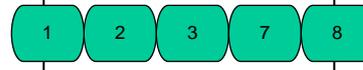
F24 ESTSZ
ASK F24: If code 01 at F17a or code 1 at F18 or code 1 at F19
GO TO F25: If code 1 to 5, 7 or 8 at F24

F24

| 1 | 2 | 3 | 4 | 5 | 7 | 8 |
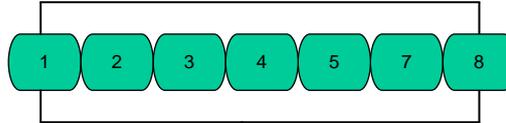
F25 JBSPV
ASK F25: If code 01 at F17a or code 1 at F18 or code 1 at F19.
GO TO F26: If code 1 at F25
GO TO F27: If code 2, 7 or 8 at F25

F25

| 1 | 2 | 7 | 8 |

F26 NJBSPV
ASK F26: If code 1 at F25
GO TO F27:
If number coded or code 77777 or 88888 at F26

F26

| xxxxx | 77777 | 88888 |
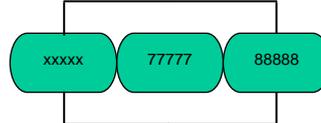
ASK F27 to F35b:
If code 01 at F17a or code 1 at F18 or code 1 at F19

F36 UEMP3M
ASK F36: ALL
GO TO F37: If code 1 at F36
GO TO F39: If code 2, 7 or 8 at F36

| 1 | 2 | 7 | 8 |

F37 UEMP12M
ASK F37: If code 1 at F36
GO TO F38: If code 1, 2, 7 or 8 at F37

| 1 | 2 | 7 | 8 |
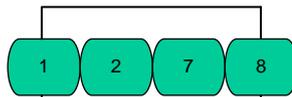
F38 UEMP5YR
ASK F38: If code 1 at F36
GO TO F39: ALL

| 1 | 2 | 7 | 8 |

F39 to F42 ASK ALL
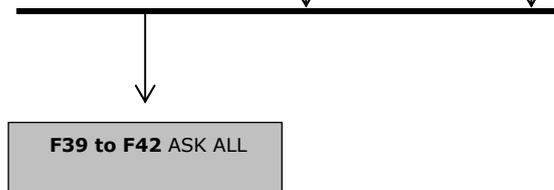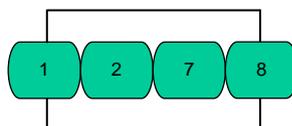
F42a: Ask F42a if more than one household member at F1

F42a IINCSRC
ASK F42a: If more than one household member at F1

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
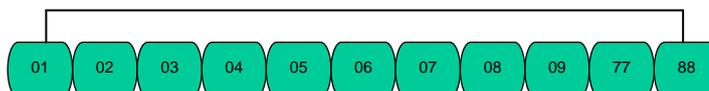
F44-F51: Ask F44–F51 if code 01 at F4

F52: Go to F52 if NOT code 01 at F4.

F44 EDULVLPB
ASK F44:
If code 1 at F4
GO TO F45a:
If code 000 to 800, 5555, 7777 or 8888 at F44

F44

| 000 | 113 | 129 | 221 | 222 | 223 | 212 | 213 | 229 | 321 | 322 | 323 | nnn | 800 | 5555 | 7777 | 8888 |
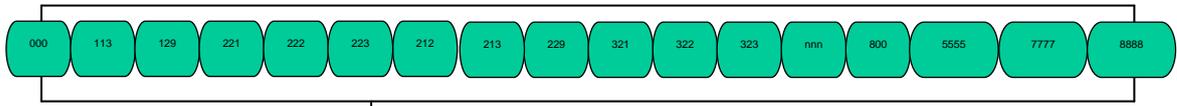
F45a PDWRKP EDCTNP
UEMPLAP UEMPLIP DSBLDP RTRDP
CMSRVP HSWRKP DNGOTHP
(DNGREFP) DNGDKP
ASK F45a: If code 1 at F4
CODE ALL THAT APPLY
GO TO F45b:
If code 01 to 09, 77 or 88 at F45a

F45a

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
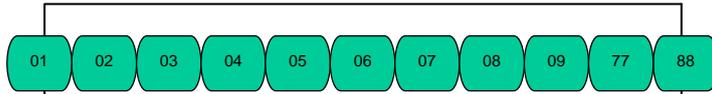
F44-F51: Ask F44–F51 if more than one coded at F45a

F44-F51: Ask F44–F51 if only one coded at F45a

F45c MNACTP
ASK F45c: If more than one coded at F45a (01-09)
GO TO F45d: If code 01 to 09, 77 or 88 at F45c

F45c

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |

F46: Ask F46 if NOT code 01 at F45a
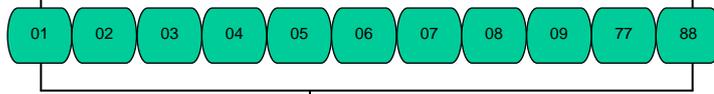
F46 CRPDWKP
ASK F46: If code NOT code 01 at F45a
GO TO F52: If code 2, 7 or 8 at F46

F46

| 1 | 2 | 7 | 8 |
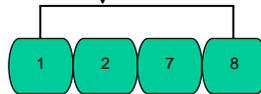
ASK F47 to F51:
If code 01 at F4
and [code 01 at F45a or code 1 at F46]

Go to F52:
If NOT code 01 at F4 or code 2,(7) or 8 at F46

F53 EMPRF14
ASK F53: ASK ALL
GO TO F54: If code 1,2 or 8 at F53
GO TO F56: If code 3, 4 or 7 at F53

F53

| 1 | 2 | 3 | 4 | 7 | 8 |
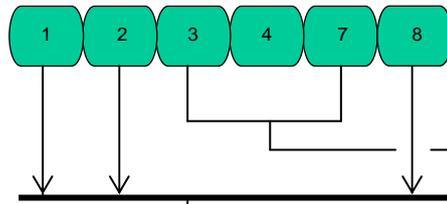
F54
ASK F54: If code 1,2 or 8 at F53
NOT TO BE INCLUDED IN FILE 1.

F54

F55 OCCF14B
ASK F55: If code 1, 2, or 8 at F53
GO TO F56: ALL

F55

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |

F56 ASK ALL
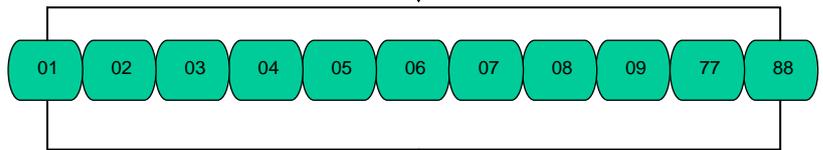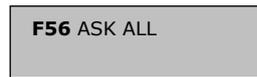
F57 EMPRM14
ASK F57: ASK ALL
GO TO F58: If code 1,2 or 8 at F57
GO TO F60: If code 3, 4 or 7 at F57

F57

| 1 | 2 | 3 | 4 | 7 | 8 |
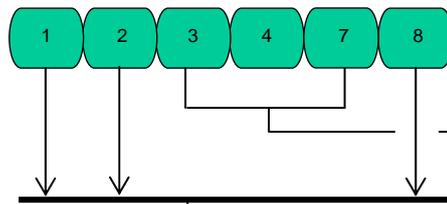
F58
ASK F58: If code 1,2 or 8 at F57
NOT TO BE INCLUDED IN FILE 1

F58

F59 OCCM14B
ASK F59: If code 1, 2 or 8 at F57
GO TO F60: ALL

F59

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |

F60 ASK ALL
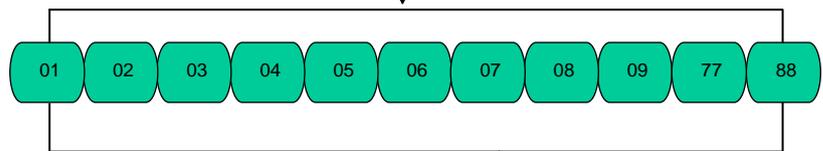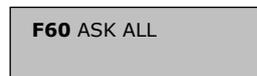
G8 FVGABC
CODE G8: CODE if F1=1 and F40=1-6 OR
if F42a=1-6.
CODE 1 AT G8: If code 1,2,3 at F42a OR
if code 1 at F1 and code 1,2,3 at F40
CODE 2 AT G8: If code 4 at F42a OR
if code 1 at F1 and code 4 at F40
CODE 3 AT G8: If code 5,6 at F42a OR
if code 1 at F1 and code 5,6 F40
CODE 6 AT G8: If code 7,8,9 at F42 OR
If code 1 at F1 and code 7,8 at F40

G8

```
    1    2    3    6
```

| ASK GROUP 1 | ASK GROUP 2 | ASK GROUP 3 |
| (Questions 8a – 17a) | (Questions 8b – 17b) | (Questions 8c – 17c) |

G18 ASK ALL
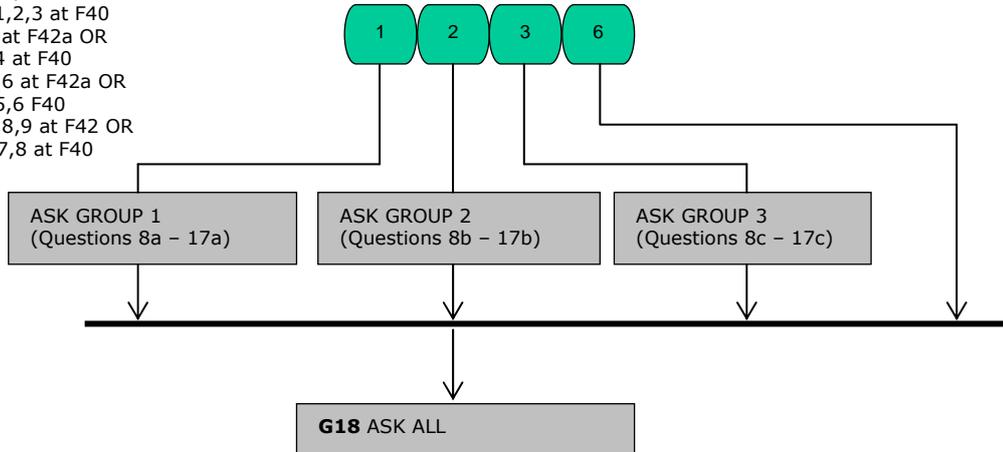
Group 1: Questions 8a – 17a

G9a GRSPNUM
ASK G9a: ALL IN GROUP 1
GO TO G10a: If code 7777777 or
888888 at G9a
GO TO G11a: If 0 or >0 at G9a

G9a

```
xxxxxxx    xxxxxxx    7777777    8888888
  [0]        [>0]
```

G10a GRSPLET
ASK G10a: If code 7777777 or
8888888 at G9a
GO TO G11a: ASK ALL IN GROUP 1

G10a

```
01  02  03  04  05  06  07  08  09  10  77  88
```
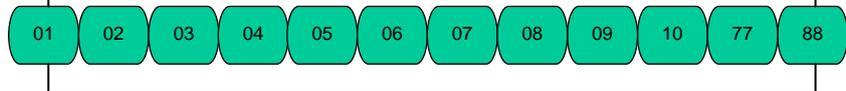
G11a ASK ALL IN GROUP 1

G11a NETINUM
ASK G11a: ALL IN GROUP 1
GO TO G12a: If code 7777777 or
8888888 at G11a
GO TO G13a: If 0 or >0 at G11a and >0 or
7777777, 8888888 at G9a
GO TO G14a: If >0 at G11a and 0 at G9a
GO TO G17a: If 0 at G11a and 0 at G9a

G11a

```
xxxxxxx    xxxxxxx    7777777    8888888
  [0]        [>0]
```
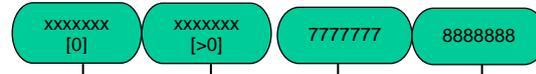
G12a NETILET
ASK G12a: If code 7777777 or
8888888 at G11a
GO TO G13a: If >0 or 7777777, 8888888
at G9a
GO TO G14a: If 0 at G9a and >0 or
7777777, 8888888 at G11a

G12a

```
01  02  03  04  05  06  07  08  09  10  77  88
```
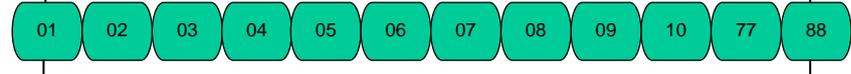
G13a ASK IF >0 OR 7777777, 8888888 at G9a

G13a GRSPFR
ASK G13a: If >0 or 7777777, 8888888 at G9a
GO TO G14a: If >0 or 7777777, 8888888 at
G11a
GO TO G15a: If 0 at G11a and
>0 or <0 or 7, 8 at G13a
GO TO G17a: If 0 at G11a and 0 at G13a

| -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 7 | 8 |

G13a
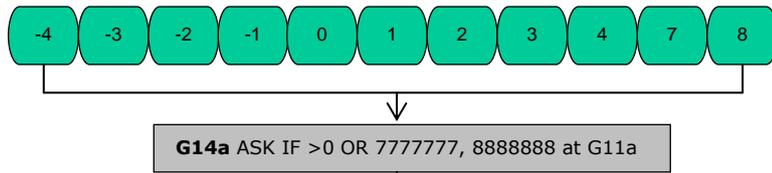
G14a ASK IF >0 OR 7777777, 8888888 at G11a

G14a NETIFR
ASK G14a: If >0 or 7777777, 8888888 at G11a
GO TO G15a: If >0 or <0 or 7, 8 at G13a
GO TO G16a: If 0 at G13a and
>0 or <0 or 7, 8 at G14a
GO TO G17a: If 0 at G13a and 0 at G14a

| -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 7 | 8 |

G14a
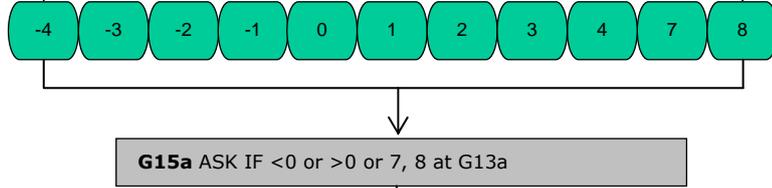
G15a ASK IF <0 or >0 or 7, 8 at G13a

G15a FRLGRSP
ASK G15a: If >0 or <0 or 7, 8 at G13a
GO TO G16a: If >0 or <0 or 7, 8 at G14a
GO TO G17a: If 0 at G14a

| xxxxxxx | 7777777 | 8888888 |

G15a
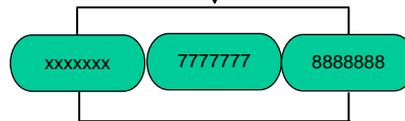
G16a ASK IF <0 or >0 or 7, 8 at G14a

G16a FRLNETI
ASK G16a: If >0 or <0 or 7, 8 at G14a
GO TO G17a: ALL IN GROUP 1

| xxxxxxx | 7777777 | 8888888 |

G16a
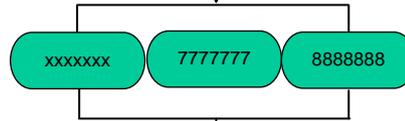
G17a ASK ALL IN GROUP 1

G17a OCCINFR
ASK G17a: ALL IN GROUP 1
GO TO G18: ALL

| -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 7 | 8 |

G17a

G18 ASK ALL
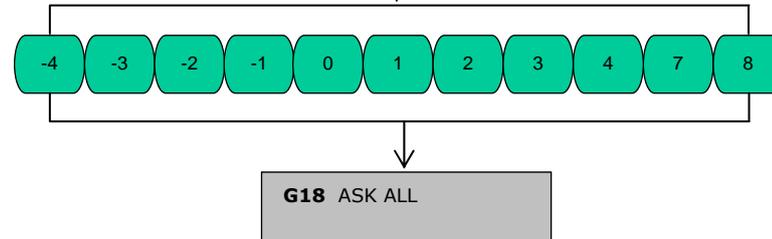
G11b NETINUM
ASK G11b: ALL IN GROUP 2
GO TO G12b: If code 7777777 or
8888888 at G11b
GO TO G14b: If >0 at G11b
GO TO G17b: If 0 at G11b
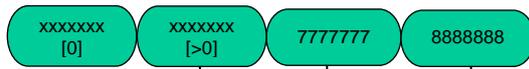
| xxxxxxx [0] | xxxxxxx [>0] | 7777777 | 8888888 | **G11b** |

G12b NETILET
ASK G12b: If code 7777777 or
8888888 at G11b
GO TO G14b: If >0 or 7777777,
8888888 at G11b
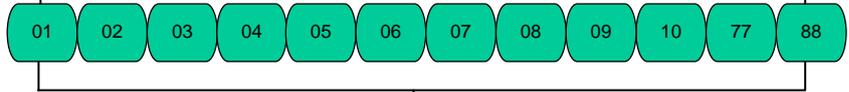
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 | **G12b** |
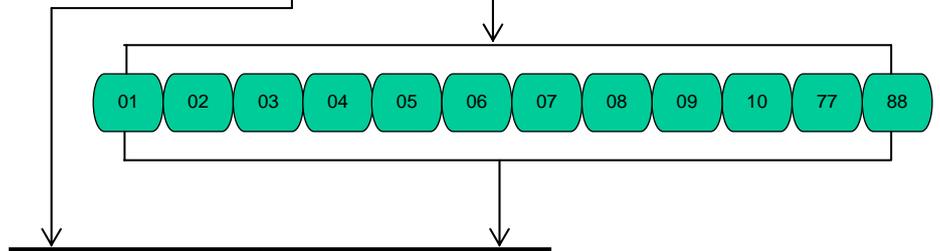
G14b ASK IF >0 OR 7777777, 8888888 at G11b

G14b NETIFR
ASK G14b: If >0 or 7777777, 8888888 at G11b
GO TO G16b: If >0 or <0 or 7, 8 at G14b
GO TO G17b: If 0 at G14b
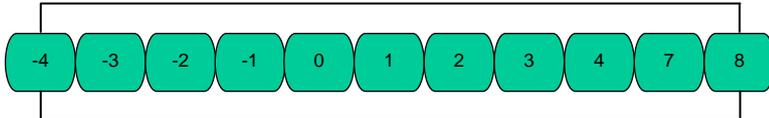
| -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | **G14b** |

G16b ASK IF <0 or >0 or 7, 8 at G14b

G16b FRLNETI
ASK G16b: If >0 or <0 or 7, 8 at G14b
GO TO B17b: ALL IN GROUP 2
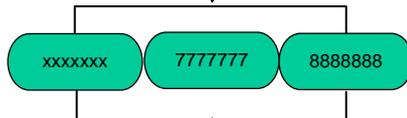
| xxxxxxx | 7777777 | 8888888 | **G16b** |

G17b ASK ALL IN GROUP 2

G17b OCCINFR
ASK G17b: ALL IN GROUP 2
GO TO G18: ALL

| -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | **G17b** |
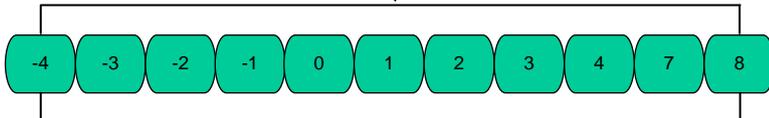
G18 ASK ALL

G11c NETINUM
ASK G11c: ALL IN GROUP 3
GO TO G12c: If code 7777777 or
8888888 at G11c
GO TO G14c: If >0 at G11c
GO TO G17c: If 0 at G11c

G11b

| xxxxxxx [0] | xxxxxxx [>0] | 7777777 | 8888888 |
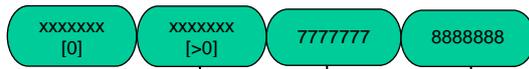
G12c NETILET
ASK G12c: If code 7777777 or
8888888 at G11c
GO TO G14c: If >0 or 7777777,
8888888 at G11c

G12b

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |
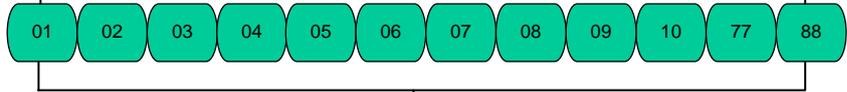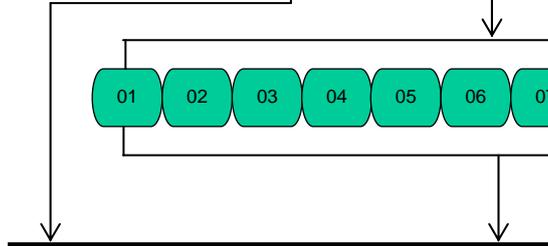
G14c ASK IF >0 OR 7777777, 8888888 at G11c

G14c NETIFR
ASK G14c: If >0 or 7777777, 8888888 at G11c
GO TO G16c: If >0 or <0 or 7, 8 at G14c
GO TO G17c: If 0 at G14c

G14b

| -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 7 | 8 |

G16c ASK IF <0 or >0 or 7, 8 at G14c

G16c FRLNETI
ASK G16c: If >0 or <0 or 7, 8 at G14c
GO TO B17c: ALL IN GROUP 3

G16b

| xxxxxxx | 7777777 | 8888888 |

G17c ASK ALL IN GROUP 3

G17c OCCINFR
ASK G17c: ALL IN GROUP 3
GO TO G18: ALL

G17b

| -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 7 | 8 |

G18 ASK ALL

F6. Flowchart of the routings in the ESS contact forms

TYPESAMP
FILL IN ALL
GO TO NUMHH (A1): If code 03 at TYPESAMP
GO TO B1 (Visit number): If code 02 at TYPESAMP
GO TO AGE_SU: If code 01 at TYPESAMP

NUMHH (A1)
FILL IN NUMHH (A1): If code 03 at TYPESAMP
GO TO A4 (Household details): If code 01 at NUMHH
GO TO HHSELECT (A2): If codes 02-12 at NUMHH
GO TO A3 (Number of selected households):
If code > 12 at NUMHH

HHSELECT (A2)
FILL IN HHSELECT (A2): If codes 02-12 at NUMHH
GO TO A4 (Household details): If code 01 at HHSELECT
GO TO MULTHNUM: If code > 01 at HHSELECT

MULTHNUM
FILL IN MULTHNUM: If code > 01 at HHSELECT
GO TO A4 (Household details): ALL

A3 (Selected HH number)
FILL IN A3 (Selected HH number): If code > 12 at NUMHH
GO TO A4 (Household details): ALL
*variable not to be included in CF file

A4 (HH details)
FILL IN A4 (HH details): If code = 03 at TYPESAMP
GO TO B1 (Visit number): ALL
*variable not to be included in CF file

B1 (Visit number selection)
FILL IN B1 (Visit number selection): If code 02 or 03 at TYPESAMP
GO TO NHHMEM (B2): ALL
*variable not to be included in CF file

NHHMEM (B2)
FILL IN NHHMEM: If code 02 or 03 at TYPESAMP
GO TO B3 (Birhday last): If code 02 at TYPESAMP and code > 01 at NHHMEM and selection method = Birth *or* code 03 at TYPESAMP and code > 01 at NHHMEM and selection method = 5HH or Birth
GO TO B3_a (Respondent select A): If code 02 or 03 at TYPESAMP and selection method = kish and code 02-12 at NHHMEM
GO TO B3_b (Respondent select B): If code 02 or 03 at TYPESAMP and selection method = kish and NHHMEM > 12
GO TO B4 (Record name): If code 02 or 03 at TYPESAMP and code 01 at NHHMEM.

B3 (Birthday last)
FILL IN B3 (Birthday last): If code 02 at TYPESAMP and code > 01 at NHHMEM and selection method = Birth *or* code 03 at TYPESAMP and code > 01 at NHHMEM and selection method = 5HH or Birth
GO TO B4 (Record name): ALL
*variable not to be included in CF file

B3_a (Respondent select A)
FILL IN B3_a (Respondent select A): If code 02 or 03 at TYPESAMP and selection method = kish and code 02-12 at NHHMEM
GO TO B4 (Record name): ALL
*variable not to be included in CF file

B3_b (Respondent select_B)
FILL IN B3_b (Respondent select B): If code 02 or 03 at TYPESAMP and selection method = kish and code > 12 at NHHMEM
GO TO B4 (Record name): ALL
*variable not to be included in CF file

ADD_5HH/ ADD_BIRTH/ HH_BIRTH

ADD_KISH/ HH_KISH

TYPESAMP=01   B3   NHHMEM=01   B3_a   B3_b

B4 (Record name)
FILL IN B4 (Record name): If code 02 or
03 at TYPESAMP
GO TO DATEV1/DATEn: ALL
*variable not to be included in CF file

Write in

AGE_SU
FILL IN AGE_SU: If code 01 at TYPESAMP
GO TO GNDR_SU: ALL

15

GNDR_SU
FILL IN GNDR_SU: If code 01 at TYPESAMP
GO TO DATEV1/DATEn: ALL

01   02

5 RESULBn
FILL IN RESULBn: If n ^> total number of contact attempts for sample unit
GO TO N1: If code 01,02 or 06 at RESULBn and neighbourhood characteristics not already registered in previous contact attempt
GO TO OUTNICn: If code 03,04,05 or 08 at RESULBn
GO TO OUTINVAL: If code 07 at RESULBn

| 01 | 02 | 06 | 03 | 04 | 05 | 08 | 07 |

6 OUTNICn
FILL IN OUTNICn: If code 03,04,05 or 08 at RESULBn
GO TO 6b: If code 12 at OUTNICn
GO TO 13: If code 11 at OUTNICn
GO TO N1: If code 01,05,06,07 or 13 at OUTNICn
GO TO REFVIS1: If code 02,03 or 04 at OUTNICn and first refusal
GO TO REFVIS2: If code 02,03 or 04 at OUTNICn and second refusal
GO TO REFVIS3: If code 02,03 or 04 at OUTNICn and third refusal
GO TO REFVISn: If code 02,03 or 04 at OUTNICn and n-th refusal
END: If code 08,09 or 10 at OUTNICn

| 02 | 03 | 04 | 08 | 09 | 10 | 01 | 05 | 06 | 07 | 13 | 12 | 11 |

6b (Language of respondent)
FILL IN 6b: If code 12 at OUTNICn
GO TO N1: If neighbourhood characteristics not already registered in previous contact attempt
*variable not to be included in CF file

language

7 REFVIS1, REFVIS2, REFVIS3, REFVISn
FILL IN REFVIS1: If code 02,03 or 04 at OUTNICn and first refusal
FILL IN REFVIS2 (codes 02-10 only): If code 02,03 or 04 at OUTNICn and second refusal
FILL IN REFVIS3 (codes 03-10 only): If code 02,03 or 04 at OUTNICn and third refusal
FILL IN REFVISn (codes n-10 only): If code 02,03 or 04 at OUTNICn and n-th refusal
GO TO RERSB1_1-1_5: If first refusal
GO TO RERSB2_1-2_5: If second refusal
GO TO RERSB3_1-3_5: If third refusal
GO TO RERSBn_1-n_5: If n-th refusal

REFVIS1 REFVIS2 REFVIS3

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |

8 RERSB1_1-1_5, RERSB2_1-2_5, RERSB3_1-3_5, RERSBn_1-n_5
FILL IN RERSB1_1-RERSB1_5: If first refusal
FILL IN RERSB2_1-RERSB2_5: If second refusal
FILL IN RERSB3_1-RERSB3_5: If third refusal
FILL IN RERSBn_1-RERSBn_5: If n-th refusal
GO TO COOPA1: If first refusal
GO TO COOPA2: If second refusal
GO TO COOPA3: If third refusal
GO TO COOPAn: If n-th refusal

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 |

9 COOPA1, COOPA2, COOPA3, COOPAn
FILL IN COOPA1: If first refusal
FILL IN COOPA2: If second refusal
FILL IN COOPA3: If third refusal
FILL IN COOPAn: If n-th refusal
GO TO AGEB_1: If first refusal
GO TO AGEB_2: If second refusal
GO TO AGEB_3: If third refusal
GO TO AGEB_n: If n-th refusal

| 01 | 02 | 03 | 04 | 05 | 88 |

10 AGEB_1, AGEB_2, AGEB_3, AGEB_n
FILL IN AGEB_1: If first refusal
FILL IN AGEB_2: If second refusal
FILL IN AGEB_3: If third refusal
FILL IN AGEB_n: If n-th refusal
GO TO GENDERB1: If first refusal
GO TO GENDERB2: If second refusal
GO TO GENDERB3: If third refusal
GO TO GENDERBn: If n-th refusal

| 01 | 02 | 03 | 04 | 88 |

11 GENDERB1, GENDERB2, GENDERB3, GENDERBn
FILL IN GENDERB1: If first refusal
FILL IN GENDERB2: If second refusal
FILL IN GENDERB3: If third refusal
FILL IN GENDERBn: If n-th refusal
GO TO N1: If neighbourhood characteristics not already registered in previous contact attempt

| 01 | 02 | 03 | 04 | 88 |

12 OUTINVAL
FILL IN OUTINVAL: If code 07 at RESULBn
GO TO: End contact procedure

| 01 | 02 | 03 | 04 | 05 | 06 | 07 |

RESULBn= 01,02,06

OUTNICn= 02,03,04

OUTNICn= 01,05,06,07, 12,13

OUTNICn= 08,09,10

RESULBn= 07 via OUTINVAL

OUTNICn=11

13 (New address)
FILL IN 13: If code 11 at OUTNICn
GO TO 14: if code 01 at 13
End contact procedure: If code 02 at 13
*variable not to be included in CF file

01   02

14 (New address in interviewer area?)
FILL IN 14: If code 01 at 13
GO TO: Start new visit if code 01 at 14 (skip N1-N5)
End contact procedure: If code 02 at 14
*variable not to be included in CF file

01   02

- - - - -> Routing if N1 to N5
were already coded for sample
unit in a previous contact attempt

N1 to N5: If code 01,02,06 at RESULBn *or* code 01,02,03,04,05,06,07,12,13 at OUTNICn and neighbourhood characteristics not already registered for sample unit in previous contact attempt.

END CONTACT PROCEDURE:
If code 07 at RESULBn *or* code 08,09 or 10 at OUTNICn *or* code 02 at 14 (New address in interviewer area?) *or* code 07 at OUTNICn after completing N1-N5

Only if OUTNICn=07

NEW VISIT (DATEn-MODEVBn):
If code 01 at 14 (New address in interviewer area?) *or* code 01,02,06 at RESULBn or code 01,02,03,04,05,06,07,12,13 at OUTNICn and neighbourhood characteristics already registered for sample unit in previous contact attempt.

G. Programmes for applying Data Protocol variable names, labels and categories

To assist the data producers, and ensure data to be as consistent and harmonised as possible, NSD offers SPSS and SAS programmes with the official ESS variable names, labels, categories and formats. The variable labels in the programmes include the question numbers to facilitate cross-references between the questionnaires and the variables. The programmes are available for download from the "Data protocol and variable definitions" page on the ESS NC Intranet site at www.europeansocialsurvey.org/intranet/nc. Please apply the ESS9 2018 Data Protocol variable names, labels and categories to the data files before you submit them to the archive. The package of programmes includes the following syntax/dictionary files:

SPSS

ESS9ms.sps	Main questionnaire, syntax
ESS9ms.sav	Main questionnaire, dictionary, SPSS Windows 12-14
ESS9i.sps	Interviewer's questionnaire, syntax
ESS9i.sav	Interviewer's questionnaire, dictionary, SPSS Windows 12-14
ESS9cf.sps	Contact forms, syntax
ESS9cf.sav	Contact forms, dictionary, SPSS Windows 12-14
ESS9sddf.sps	Sample data file, syntax
ESS9sddf.sav	Sample data file, dictionary, SPSS Windows 12-14
ESS9Standards.sps*	Value labels for international standards in ESS (see section D1).
ESS9RenameQtoM.sps	Renaming variables in the Main and Interviewer's questionnaires from question numbers to ESS mnemonic names, syntax.

SAS

ESS9ms.sas	Main questionnaire, syntax
ESS9ms.sas7bdat	Main questionnaire, dictionary, SAS Windows 8-9
ESS9i.sas	Interviewer's questionnaire, syntax
ESS9i.sas7bdat	Interviewer's questionnaire, dictionary, SAS Windows 8-9
ESS9cf.sas	Contact forms, syntax
ESS9cf.sas7bdat	Contact forms, SAS Windows 8-9
ESS9sddf.sas	Sample data file, syntax
ESS9sddf.sas7bdat	Sample data file, SAS Windows 8-9
ESS9Standards.sas*	Formats for international standards in ESS (see section D1).
ESS9RenameQtoM.sas	Renaming variables in the Main and and Interviewer's questionnaires from question numbers to ESS mnemonic names, syntax.

Comment to ESS9standards.*: If the survey organisation does not have procedures for automatic checking of wild codes in the variables
CTZSHIPC "CITIZENSHIP"
CNTBRTHC "COUNTRY OF BIRTH"
LNGHOM1 "LANGUAGE MOST OFTEN SPOKEN AT HOME: FIRST MENTIONED"
LNGHOM2 "LANGUAGE MOST OFTEN SPOKEN AT HOME: SECOND MENTIONED"
FBRNCNTB "COUNTRY OF BIRTH, FATHER"
MBRNCNTB "COUNTRY OF BIRTH, MOTHER"
ISCO08 "OCCUPATION, ISCO08"
NACER2 "INDUSTRY, NACE REV.2"
ISCO08P "OCCUPATION PARTNER, ISCO08"
ANCTRY1 "FIRST ANCESTRY, EUROPEAN STANDARD CLASSIFICATION OF CULTURAL AND ETHNIC GROUPS"

ANCTRY2 "SECOND ANCESTRY, EUROPEAN STANDARD CLASSIFICATION OF CULTURAL AND ETHNIC GROUPS"
the value labels/formats in ESS9Standards.* can be added to File 1 to facilitate proof-reading (spotting empty labels in frequency tables).

H. National technical summary and Appendices

The metadata documentation is an important part of the high quality ESS data and represents one of the major strengths of the European Social Survey. The National Teams have a central role in the production of such documentation by providing the National Technical Summary (NTS) and its appendices.

For those who have access to the fully licensed Adobe Acrobat program, NSD will make the National Technical Summary and its appendices available as electronic forms in PDF format. These should be downloaded, filled in and deposited to the ESS Archive at NSD along with the other electronic deliverables. The forms will be available for download from the "Survey documentation" page at the ESS NC Intranet site www.europeansocialsurvey.org/intranet/nc by the end of September 2018. The National Teams will be notified by e-mail when these forms are available.

NSD encourages the use of the PDF electronic forms. For users who do not have access to a fully licensed Adobe Acrobat, a version will also be available in Word format.

Please save the National Technical Summary and appendices according to the list below, where xx is the country code as specified in table E1.

National Technical Summary: Ntech2018xx
NTS Appendix on Education: Ntech2018xx_documentation_of_education
NTS Appendix on Income: Ntech2018xx_documentation_of_income
NTS Appendix on Political Parties: Ntech2018xx_documentation_of_parties
NTS Appendix on Marital and Relationship status: Ntech2018xx_documentation_of_marital
                                                     _and_relationship_status