2020 Census
Content Consultation Guide

ZAMBIA 2020 CENSUS "Everyone Counts"

Republic of Zambia

CENTRAL STATISTICAL OFFICE

2020 CENSUS
CONTENT CONSULTATION GUIDE

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Acronyms

CAPI	Computer Assisted Personal Interviewing
CSO	Central Statistical Office
ICT	Information, Communication and Technology
PAPI	Pen and Paper Interviews
SDGs	Sustainable Development Goals

1. Background

In Zambia, the most reliable mechanisms in place to systematically collect information on socio-demographic, economic, environment and other issues of national importance are Population and Housing Censuses, household and establishment based surveys. Household and establishment based surveys, however have limitations of sample sizes and neither do they provide information on relative rare events nor can they provide small area data. Consequently, Census of Population and Housing is one of the major source of valuable information needed for research, planning and management. One powerful reminder of the importance of having a regular census is that estimates based on population growth models often turn out to be off target when new population census estimates are made available.

The immediate past census was conducted in 2010 under the approval of the Government of the Republic of Zambia, which recorded social-economic data from 13 million people and 3.2 million households. The 2010 Census of Population and Housing was conducted between 16th October and 15th November 2010, with all parts of the country covered by 30th November, 2010. It was the fifth national population census exercise of Zambia since its independence in 1964, with the previous censuses conducted in 1969, 1980, 1990 and 2000.

2. 2020 Census: Consultation Overview

The 2020 Census consultation process has been launched. Discussions on the 2020 Census content are underway. This marks the beginning of the census cycle. The questionnaire that will be administered in August 2020 will be as a result of two years of dedicated effort to user consultations, testing and questionnaire development.

The objectives of the 2020 Census content consultation guide are to;

- Present questions in the 2020 census questionnaire;
- Present content changes currently being explored;
- Receive opinions on the proposed modifications;
- Gather insight into emerging data requirements.

Although the focus of this wave of consultations is the 2020 Census content, this process welcomes comments on any aspect of the census, including the 2010 Census reports and concepts used in the census communications.

3. 2020 Census: Determining Factors for Questionnaire Content

During the 2020 Census content determination process, data users and stakeholders across Zambia will be consulted on their views regarding the type and extent of socio-economic information they believe the census should provide. Before revisions or additions are formally recommended, the results from consultations will be reviewed in conjunction with the availability of alternative data sources and other influencing factors. Many elements are weighed during the content determination process including the requirement to:

3.1. Support Legal Frameworks, Government Programs and Policies

The census builds a demographic, social and economic profile of the population. It collects a wealth of data on households' characteristics, language of communication, fertility, migration, mortality, ethnicity, disability, economic activities, education, agriculture, housing and social amenities. This data is therefore used to support government's planning and management of national and global development programs, regulatory frameworks and policies.

3.2. Meet the need for Small Area Data and Target Population

Given its coverage, the census is the only reliable source of information on Zambians including those living in remote geographic areas and small population groups. As such, it is widely used by community groups, businesses and governments.

3.3. Maintain High Standards of Data Quality

Extensive qualitative and quantitative testing is carried out prior to each census. The National pilot Census is conducted to measure the reliability and comparability of data, among other purposes.

3.4. Manage Costs

The more the number of questions included in the census questionnaire, the more costly it is to collect the information. Therefore, a limited number of questions should be considered for the census.

3.5. Ensure Historical Comparisons

Historical continuity must be balanced with the relevance of content. Data comparability over time is necessary for trend analysis.

3.6. Consider the burden to Respondents

The burden placed upon respondents has to be controlled. The length and complexity of the questionnaires are both considered in this respect.

3.7. Assess alternative Data Sources

Not all topics are appropriate for a census therefore non-census data sources are also examined. Together with the census, the national statistical system complementary data sources offer greater flexibility than the census alone in meeting data users' needs.

4. 2020 Census: Process Drivers of the 2020 Census

It is important to ensure that the 2020 Census captures all societal changes of primary interest. As part of the process, the Central Statistical Office (CSO) will be reviewing the current content to ensure that it reflects the changes in Zambia, and conduct a census that meets the aspirations (fit purpose) of users and stakeholders. The 2020 Census is engineered by the Census operation processes and supported by applying the following values:

4.1. Innovations

The operational project document has incorporated a number of innovations that will allow us to achieve a modern census for the 21st century. The office has proposed to use mobile technology to undertake the 2020 census.

With increasing availability and coverage of mobile data networks and internet, instant transmission of collected data to cloud-based servers is increasingly viable and both circumvents the tedious data entry stage, and makes data available for processing and analysis in near real-time. The CSO has made huge strides in embracing the new technologies in data capturing. In the recent past all major household based surveys have been conducted using Computer Assisted Personal Interviewing (CAPI) methodology and have provided a good opportunity for implementing the 2020 Census using the CAPI methodology as a substitute for Censuses done by Pen and Paper Interviews (PAPI).

4.2. Timeliness

Data collection for 2020 Census will take place in August 2020. The 2020 census will involve about 31,000 enumerators and 8,000 supervisors among other census staff at different levels. Enumerators will use tablets pre-installed with the data capturing application with a set of validation rules implemented to reduce time of processing and increase the reliability of the collected data. This will enable the office to produce the final Census figures within 3 months after data collection. With envisaged tight deadlines and fiscal constraint pressures, it is crucial that 2017 through 2019 be dedicated to preparation of the 2020 Census: Cartographic mapping using satellite imagery; content development with user consultations; and focused testing and piloting of draft CAPI questionnaires.

4.3. Partnership

Identifying stakeholders is a useful starting point for identifying critical dependencies when planning the census. Good and effective communication with these stakeholders is essential to ensure that each phase of the census meets the needs of the others and that the resources of the CSO are used most effectively. Our partnership programme will span from intra-government, inter-government and inter-agency including non-state actors.

4.4. Doing more with less

The Census Mapping undertaking is fundamental to the success of any population and housing census. The overall goal of census mapping is to provide an updated digital geospatial database of enumeration areas that can be used as a basis for census planning process (Pre-Enumeration Phase), census data collection (Enumeration Phase) and development of sampling frames for surveys, and dissemination of census data (Post-Enumeration Phase).

The Census Mapping exercise will be conducted in order to delineate enumeration areas in the country, to facilitate the counting of persons during enumeration period and to ensure that all areas are covered and that everyone in the country is counted with minimal possibility of under or over counting.

The 2020 census mapping will use GIS mobile mapping data collection tools that will collect data on all structures (residential and commercial buildings, institutions) relevant to achieving and monitoring the SDGs.

Some examples of facilities and infrastructure include; schools, health facilities, irrigation systems, municipal water systems, solid-waste treatment facilities, wastewater treatment facilities, agricultural warehouses, cold storage facilities, drying facilities, processing facilities, and public transit stations.

This is designed to remedy the gap of knowledge about our national physical assets and also to provide a platform for improving future ongoing administrative data and reporting.

5. 2020 Census Content Determination Process: Key Milestones

5.1. User Consultation

Consultations on the 2020 Census content started on 1st August, 2018. So far, internal consultations with CSO subject matter specialists have been conducted. The user consultations will run from August 2018 to July 2019. This process will be done through different channels including inviting written submissions, organizing dedicated meetings, attending conferences and initiating working groups. The Internet will be one of the primary dissemination vehicles for the user consultation materials.

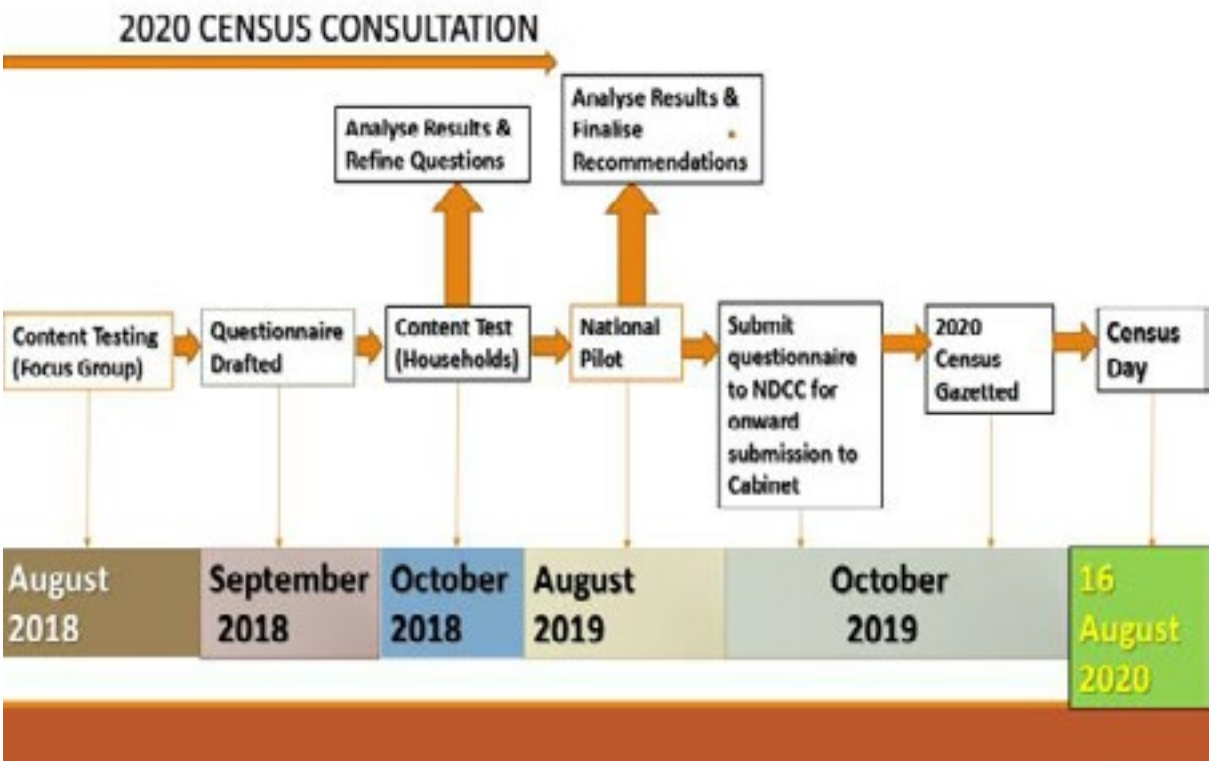
5.2. Pre-testing

Pre-testing is planned for April, 2019 with a small number of households in an enumeration area being selected to test the questionnaire. Pre-tests are used to assess the quality of information that would result from changes made to the questions and questionnaire design. A new question will be added to the census questionnaire only after testing clearly demonstrates it to be effective and shows the respondents willingness and ability to answer it.

5.3. National 2020 Census Pilot

A census pilot to be carried out in a number of enumeration areas, is planned for August 2019. The National 2020 Census Pilot serves to confirm the suitability of a new or modified question or the introduction of innovative procedures such as Computer Assisted Personal Interviewing methodology as well as other census operational procedures.

Figure 1: 2020 Census Content Determination Process: Calendar of Activities



6. 2020 Census Content: Changes presently being considered

Over the decades census content has traditionally remained relatively stable from one census to the next. This stability ensures historical comparability of demographic and socio-economic characteristics. At the same time, these same characteristics must remain relevant in a changing society. Consequently, from time to time, certain census questions are modified in response to feedback from census stakeholders and data users.

However, it is important to mention that the main purpose of Census of Population and Housing is to provide information on the size, distribution and characteristics of the country's Population. While it may seem like a golden opportunity to collect data on a range of issues, there is likely to be a trade-off with accuracy and timeliness. Longer interviews are more likely to lead to interviewer and respondent fatigue, and this could affect the accuracy and timeliness of the data. Also, particularly difficulty or sensitive questions would affect response levels and therefore would have an adverse effect on the whole census processes. The census cannot be a vehicle of all things in one, it is important that priority is given to higher impact issues, in addition to the global core topics, considering both negative and positive implication to the conduct of census.

The CSO is currently reviewing the 2010 and 2020 Census questionnaires (see comparison matrix in Annex 1).

7. 2020 Census Content Consultation: Issues for Discussion

Proposals to questionnaire modification should:

- Indicate the level of priority (low or high);
- Provide a rationale

What changes to the questionnaires would you recommend?

Could any existing question(s) in the census questionnaire be eliminated? Which one(s)? Why?

Which existing question(s) in the census questionnaire would you consider essential? Why?

8. Conclusion

Consideration should be given on how to manage respondent burden when additional questions are requested. Other questions or examples in the same grouping may have to be edited or eliminated in order to minimize the length of the census questionnaires.

The census permits users to assess our country's socio-economic conditions and stimulates broad public debate on social issues.

We look forward to hearing from you.

Annex 1:
2020/2010 Census Questionnaires Comparison Matrix

Question No.	2010 Census Questionnaire	2020 Census Questionnaire Recommendations	Comments
Cover Page	• No Coat of arms	• Cover page has Coat of Arms	
Identification Particulars:			
Province	• It had 9 provinces with a provision of 1 digit province code	• It will have ten (10) provinces with a provision of 2 digits province code	• This is because of the new Muchinga Province
District	• It had 72 districts with 3 digits provision for the district code	• It will have the current 116 districts with 4 digits provision for the district code	• New districts have been established and 113 have been gazetted
Constituency	• It had 3 digits provision for the constituency code	• 3 digits provision for the constituency code will be maintained	
Ward	• It had 2 digits provision for the ward code	• 2 digits provision to be maintained	
Region	• Rural and Urban 1 digit provision for the code (Rural=1, Urban=2)	• Rural and Urban 1 digit provision for the code to be maintained	
Census Supervisory Area (CSA)	• It had 2 digits provision for the CSA	• This has been dropped for the 2020	• The code will be em-bedded in the Standard Enumeration Area (SEA) code
Standard Enumeration Area (SEA)	• It had 1 digit provision for the SEA	• The 1 digit provision for the SEA will be maintained	
Census Building Number	• It had 3 digits provision	• Maintained	
Housing Unit Number (HUN)	• 2 digits code	• Maintained	
Household Number	• 1 digit code	• Maintained	
Village/ Locality Name	• Was collected	• Maintained	
Residential Address	• Was collected	• Maintained	
Chief Area	• Was collected	• Maintained	
P1	• Names of usual residents and visitors	• Maintained	• 2020 Census question rephrased in an effort to achieve full coverage

P2	• Sex	• Sex	• Indicate either male or female
P3	• Relationship to the head of the household	• Maintained with an addition of "brother/sister in law"	
P4	• Age	• Maintained	• To be recorded in years
P5	• Membership status	• Maintained	
P6	• Marital status. 12 years and above	• 10 years and above.	• Capturing of child marriages
P7	• Age of respondent at first marriage or cohabiting. 12 years and above	• Applicable for persons aged 10 years and above	
P8	• This question was asking place of birth, whether in Zambia or not	Introduced to specifically ask if Born in Zambia	• Indicate either Zambia or outside Zambia
P9	• This was part of place of birth question (in P9)	• Maintained but kept as separate question. Applicable for persons born outside Zambia	
P10	• Was this part of the district, rural or urban at the time of birth	• Maintained	
P11	• Place of Birth, stated district or country. It had a 3 digit provision for recording the code for the district or country for persons born in Zambia and those born outside.	• Maintained • It will have a 3 digit provision for recording the code for the country for foreign born persons.	
P12	• This was part of place of birth question (in P9)	• Write country name and recode code for country if born outside Zambia	
P13	• This was part of Place of residence question in P13	• Write district name and recode code for district if resided in Zambia in August, 2019	
P14	• Not Collected	• Place of residence-Was this part of the district, rural or urban.	• New question for 2020
P15	• This was part of place of residence question (in P13)	• Write country name and recode code for country if resided outside Zambia in August, 2019	
P16	• How long has been living continuously in the current place of residence	• Maintained	
P17	• Zambian or non Zambian (ask whether the respondent is Zambian or not)	• Maintained with revised phrasing (ask about a person's nationality)	

P18	• If non-Zambia	• Maintained	• Indicate the code and write the name of the country
P19	• State the purpose of stay in Zambia	• Maintained.	• For 2020, response categories of refugee/ Asylum have been separated so as to be analyzed individually To
P20	• Religion	• Maintained with revised response categories (e.g Christian is part of the response categories as an umbrella term for Protestants and Catholics.	Response category will remain the same
P21	• Ethnicity	• Maintained	
P22	• Predominant language of communication	• Maintained	
P23– P28	• 3 disability questions were asked whether or not a person has a disability, type of disability and cause.	• Disability module will adopt the six (6) questions from wg6 to effect the recommended way of asking disability questions. Cause of disability will not be captured	
P29	• Albinism	• Maintained	
P30 –P31	• Survivorship and residence of biological parents (for persons aged 0-17 years)	• Survivorship of biological parents (for all persons)	
P32		• Birth registration. New question	Birth registration not fully captured using administrative data. To validate administrative data.
P33	• Ask if have a Birth Certificate	• Maintained	• Consistence on the flow of questions
P34	• Green National Registration Card holder. 16 years and above	• Maintained	
P35	• Find out if able to read and write	• Maintained	
P36	• Ever attended school (For 5 years or older)	• Maintain. The age limit will be 2 years and older to cater for Early Child Learning (ECL) for nursery	
P37	• Currently school, attendance (For 5 years or older)	• Maintain but include Early Child Learning (ECL)- (For 2 years or older).	
P38	• Not Collected	• Highest grade/level of education currently attending. New question(For 2 years or older)	

P39	• Highest level of education has … completed (For 5 years and older)	• Maintained but revised to include 'Highest grade' currently attending (For 2 years older)	
P40-P41	• Field of study for the highest level completed for persons aged 5 years or older	• Maintained, but the question has been split to ask separately highest professional qualification (P40) and highest vocational qualification (P41) for persons aged 25 years or older.	
ECONOMIC ACTIVITY			
P42	• What did [NAME] mainly do in the last 7 days	• Maintained	
P43	• The Job search question was **not** collected in 2010	• In the last 30 days, did [NAME] do anything to find a paid job or start own business?	• Rephrased for the 2020 Census and the reference period of last 12 months removed.
P44	• The work availability question was not collected in 2010	• If the job or business opportunity had been available could [NAME] have started last week or in the next 2 week?	
P45	• what was name's employment status in the last 12 months	• In the main job or business that [NAME] has, is he/she…….?	• Rephrased for the 2020 Census and the reference period of last 12 months removed.
P46	• What kind of work did [NAME] doing his /her main job or business during the last 12 months? -------> 3 digit ISCO	• What kind of work did [NAME] do in his /her main job or business during the last 7 days? -------> 4 digit ISCO	• Reference period changed from last 12 months to last 7 days
P47	• What kind of business/ service was mainly carried out by [NAME'S] employer/ establishment/ business in the last 12 months? ------>	• What kind of business/ service was mainly carried out by [NAME'S] employer/ establishment/business? ------>	• Reference period changed from last 12 months to last 7 days
P48	• Ever had live births (females aged 12 years and above)	• Ever had live births (females aged 10 years and above)	• For fertility questions, age lowered to include females who give birth aged 10 or 11
P49	• Not collected	• Age at first live birth	• New question for 2020
P50-P52	• Number of children ever had in lifetime. (Lifetime Fertility)	• Maintained	

P53	• Not collected	• Date of birth of last child born alive	• Adopted the recommended way of collecting current fertility
P54	• Not collected	• Sex of last child born alive	
P55	• Not collected	• Survivorship of last child born alive	• Can be used to derive deaths in the last 12 months or child mortality
HOUSEHOLD CHARACTERISTICS			
H01	• Type of Housing	• Maintained	• Maintained
H02	• Type of material used for roof	• Maintained and revised list of response categories	• Maintained
H03	• Materials used for the walls	• Maintained and revised list of response categories	• Maintained
H04	• Materials used for the floor	• Maintained and revised list of response categories	• Explain the types of concrete and consult with Ministry of Local Government on the final list. Need to come up with a better list
H05	• Type of occupancy	• Maintained	•
H06	• If shared, number of households	• Maintained and rephrased	
H07	• Main source of water supply for household use and drinking water.	• Maintained, but question split into 2: main source for household use (H07A) and for drinking (H07B	
H08	• Number of Living room and bedrooms in the housing unit	• Rephrased to collect total number of rooms	
H09	• Number of persons usually sleeping in this household	• Maintained	• Maintained
H10	• Does this housing unit have a kitchen?	• Maintained	• Maintained
H11	• What is the main source of energy used for Lighting?	• Maintained and revised list of response categories	
H12	• What is the main source of energy used for Cooking ?	• Maintained and revised list of response categories	
H13	• What is the main source of energy used for Heating?	• Maintained and revised list of response catego-ries	• H12, H13, H14 were collected in one question in 2010. For 2020, they are collected as separate questions. Hence, response categories have been revised
H14	• Does the household have?	• Maintained with revised list of assets	

H15	• How is the household refuse disposed?	• Maintained	
H16	• What is the main type of toilet used by members of this household?	• Maintained	
H17	• Is this toilet inside or outside this housing unit?	• Maintained	
H18	• Is the toilet exclusively used by members of this household?	• Maintained	
H19	• Is this housing unit owned by any member of this household?	• Maintained	
H20	• How was this housing unit acquired?	• Maintained	
H21	• Is this housing unit provided free by the employer, friend or relative of any member of this household?	• Maintained	
H22	• Is this housing unit rented from the employer of any member this household?	• Maintained	
H23	• Is this employer _____?	• Maintained	
H24	• Is this housing unit rented from _____?	• Maintained	
AGRICULTURE			
A1	• was the household engaged in the following agriculture activities.	• Maintained and included more answer categories	
A2	• On your holding, which of the following livestock have you Raised……..	• Maintained and included more answer categories	
A3	• On your holding, which of the following poultry have you Raised……..	• Maintained and included more answer categories	
A4	• Has agriculture holding included fish farming	• Question revised to include type of fish farming facilities	
A5	• Household engagement in agricultural services (crop growing. Livestock, poultry, fish farming and game ranching).	• Revised the question to only ask vegetable growing, game ranching, bee keeping and orchard production by any household member	
GENERAL AND MATERNAL DEATHS			
M0	• Is there any member of the household who has died since October 2009?	• Maintained	• Reference date changed to August, 2019

M1	• Not collected	• New question; Full name of the deceased person	
M2	• What was the sex of the deceased?	• Maintained	
M3	• What was the age of the deceased?	• Maintained and revised: What was the age of the deceased **at the time of death**?	
M4	• Not collected	• New question: Date of death	• Introduced to confirm if death occurred in August 2019 or later
M5	• What was the cause of death?	• Was (NAME)'s death due to an accident, violence, homicide or suicide?	
M6	• Did the death occur while pregnant?	• Maintained.	• *Age has been reduced from 12-49 to 10 -49 due to stakeholder data needs/better policy • It was agreed that they will be no change to this question meaning it shall be carried into the 2020 census • It was agreed that the screening instruction for these questions change from 12 - 49 to 10 – 49
M7	• Did the death occur during child birth?	• It was agreed that they will be no change to this question meaning it shall be carried into the 2020 census • It was agreed that the screening instruction for these questions change from 12 - 49 to 10 – 49.	• Need to follow up if causes of death is Accident Violence Homicide Suicide • *If funds allow, follow-up with SAVVY • *Age has been reduced from 12-49 to 10 -49 due to stakeholder data needs/better policy
M8	• Did the death occur during the 6 weeks period following the end of pregnancy, irrespective of the way the pregnancy ended?	• It was agreed that they will be no change to this question meaning it shall be carried into the 2020 census. • It was agreed that the screening instruction for these questions change from 12 - 49 to 10 – 49.	
E1	• Not Applicable	• Household contact number to be collected	• This will ease follow ups if any
E2	• Not Applicable	• GPS to be collected for each household	

The following questions was captured in 2010 but will not be captured in 2020 Census			
	• Residence of Biological parents in the household	• Will not be collected	• Orphanage and not Orphan hood will be measured in the 2020 census
	• Live births in the last 12 months. 12 years to 49 years	• Will not be collected	• Adopted recommended way of capturing current fertility (using date of birth of last child born alive)
	• Number of children had in the last 12 months.	• Will not be collected	• Adopted recommended way of capturing current fertility (using date of birth of last child born alive)
	• Registered voter. 16 years and above	• Will not be collected	• Electoral Commission can provide this data