

**Comparative Study of Electoral Systems (CSES)**  
**Module 4: Design Report (Sample Design and Data Collection Report)**  
September 10, 2012

Country: Montenegro  
Date of Election: October 14, 2012

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Date of Preparation: October 27, 2013

NOTES TO COLLABORATORS:

- Where brackets [ ] appear, answer by placing an “X” within the appropriate bracket or brackets.
- If more space is needed to answer any question, please lengthen the document as necessary.

**Collaborator(s):**

Collaborators are the contact persons for election studies that appear in the CSES dataset - they are not necessarily the parties who collected the data. These collaborators and their contact information will be listed on the CSES website.

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**Data Collection Organization:**

Organization that conducted the survey field work/data collection:

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Address: Njegoseva 16, 81000, Podgorica, Montenegro

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**Funding Organization(s):**

Organization(s) that funded the data collection:

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Website:

### **Archiving Organization**

If appropriate, please indicate the primary location where the full, original election study dataset (not just the CSES portion) will be archived:

Organization: De Facto Consultancy  
Address: Njegoseva 16, 81000, Podgorica, Montenegro

Telephone: +382 68 010 153  
Fax: /  
E-Mail: office@defacto.me  
Website: [www.defacto.me](http://www.defacto.me)

Please indicate the date when the study is expected to be available at this archive:

November, 2013

### **Study Design**

1. Timing of the study that the CSES Module was included in:

- Post-Election Study
- Pre-Election/Post-Election Panel Study
- Between Rounds

2a. Date Post-Election Interviewing Began:

February, 2013

2b. Date Post-Election Interviewing Ended:

March, 2013

3. Mode of interviewing for the post-election survey in which the CSES Module appeared:

(If multiple modes were used, please mark all that apply.)

- In person, face-to-face
- Telephone
- Mail or self-completion supplement
- Internet

4a. Was the survey part of a panel study?

- Yes
- No

4b. If the survey was part of a panel study, please describe the design of the panel study, including the date at which interviewing for each prior wave began and ended:



**Translation**

Please provide copies of questionnaires in all languages used as part of the election study deposit. For questionnaires in a language other than English, please also provide a version of each translated back into English. Note: Questions are based on those developed for the ISSP.

5. Was the questionnaire translated?

- Yes, translated by member(s) of research team
- Yes, by translation bureau
- Yes, by specially trained translator(s)
- No, not translated

6. Please list all languages used for the fielded module:

Montenegrin

7a. If the questionnaire was translated, was the translated questionnaire assessed/checked or evaluated?

- Yes, by group discussion
- Yes, an expert checked it
- Yes, by back translation
- Other; please specify: \_\_\_\_\_
- No
- Not applicable

7b. If the questionnaire was translated, was the questionnaire pre-tested?

- Yes
- No
- Not applicable

7c. If the questionnaire was translated, were there any questions which caused problems when translating?

- Yes
- No
- Not applicable

7d. If the questionnaire was translated, please provide a list of all questions which caused problems when translating. For each question listed, describe what problems were encountered and how they were solved:

### **Sample Design and Sampling Procedures**

8. Please describe the population that your sample is meant to be representative of:

Montenegro is a former Yugoslav republic that regained its independence in May 2006 and became 192<sup>nd</sup> member of United Nations. The Referendum for the purposes of reaching this decision was organized according to the rules mediated by international and EU community. In total 419 240 voters participated (86.5%) out of which 230 661 was in favor of independence (55.5%).

Its current Constitution was passed on October 19<sup>th</sup> 2007.

According to the latest census (2011), it has 620 029 inhabitants. The average Montenegrin is 37 years old. Average woman is 38 and man 36 years old. Average inhabitant of urban areas is 37 and rural 38 years old. Adult population represents 76.5% of the population.

There are 306 236 men (49.4%) and 313 793 women (50.6%) living in the country. The population growth rate is estimated to be 2.21. According to the latest information provided by National statistical office Monstat (2004), at birth average Montenegrin man is expected to live 71 and woman 76 years.

The largest population groups are Montenegrins (44.9%), Serbs (28.7%), Bosniaks (8.6%), Albanians (4.9%) and Muslims (3.3%). The whole ethnic structure according to the latest census is presented in the following table.

### **Eligibility Requirements**

9a. Must a person be a certain age to be interviewed?

- Yes  
 No

If yes, what ages could be interviewed?

18 +

9b. Must a person be a citizen to be interviewed?

- Yes  
 No

9c. Must a person be registered to vote to be interviewed?

- Yes  
 No

9d. Please list any other interviewing requirements or filters used:

### Sample Frame

10a. Were any regions of the country excluded from the sample frame?

- [ ] Yes  
[X] No

If yes, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

If yes, please explain:

10b. Were institutionalized persons excluded from the sample?

- [ ] Yes  
[ ] No

If yes, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

If yes, please explain:

10c. Were military personnel excluded from the sample?

- [ ] Yes  
[X] No

If yes, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

If yes, please explain:

10d. If interviews were conducted by telephone, what is the estimated percentage of households without a phone? \_\_\_\_\_ %

Please explain:

10e. If interviews were conducted by telephone, were unlisted telephone numbers included in the population sampled?

- Yes
- No

If no, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

10f. Were other persons excluded from the sample frame?

- Yes
- No

If yes, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

If yes, please explain:

10g. Please estimate the total percentage of the eligible population excluded from the sample frame: \_\_\_\_\_ %

### Sample Selection Procedures

11. Please describe, in your own words, how the sample for the study was selected. If the survey is part of a panel study, please also describe the original sample, from the beginning of the study.

Sample procedure for the research has been done in accordance to multistage random procedure. There are three stages in this regard. First, it is regional division, second it is a choice of ‘mesna zajednica’ (the smallest municipal unit which is at the same time a unit for voting), and third it is random procedure based on ‘step-and-go’ inside of ‘mesna zajednica’. Circles census varies from 5-8, depending on structure of ‘mesna zajednica’.

12a. What were the primary sampling units?

Regions

12b. How were the primary sampling units selected?

Dividing the whole population into three regions based on proportion.

12c. Were the primary sampling units randomly selected?

- [ ] Yes  
[ X] No

Please explain how the units were randomly selected. If the units were not randomly selected, please provide a justification for why the units were not randomly selected.

Division of the whole population on three regions is first step due to the differences in population structure, historical and economic reasons

13. Were there further stages of selection?

- [X ] Yes  
[ ] No

13a. If there were further stages of selection, what were the sampling units at each of the additional stages?

- 1) We divided the whole population into three regions
- 2) In each region we randomly choose mesna zajednica (in plural)
- 3) In each mesna zajednica we define circulus census based on structure of unit
- 4) Step-and-go procedure to select household
- 5) Last birthday as a criterion to chose respondent in household

13b. If there were further stages of selection, how were the sampling units selected at each of the additional stages?

Mesna zajednica

13c. If there were further stages of selection, were units at each of these stages randomly selected?

- Yes  
 No

Please explain how the units were randomly selected. If the units were not randomly selected, please provide a justification for why the units were not randomly selected.

Random choice of number of mesna zajednica in the frame of each region

14a. How were individual respondents identified and selected in the final stage?

Step-and-go procedure to select households, last birthday as a criterion to select respondent in the household

14b. Could more than one respondent be interviewed from a single household?

- Yes  
 No

If yes, please explain:

15. Did the sample design include clustering at any stage?

- Yes  
 No

If yes, please describe:

**16. Did the sample design include stratification?**

Definition: Stratification involves the division of the population of interest according to certain characteristics (for instance: geographic, political, or demographic). Random selection then occurs within each of the groups that result.

Yes

No

If yes, please describe (please include the list of characteristics used for stratification):  
Regional division includes three regions. The main characteristics for them would be

	Proportion	Geography	Nationality	Economy	History	Population
North	32,3%	Mountain area	Mixed, Serbian dominant	Weak	Traditionally inclining to Serbia and Bosnia	Old
Center	43,9%	Valleys	Mixed, Montenegrin dominant	Medium	Socialist heritage	Young
South	23,8%	Seaside	Mixed/mixed	Strong	Mediterranean culture with Austro-Hungarian heritage	Medium

**17. Was quota sampling used at any stage of selection?**

Yes

No

If yes, please describe:

**18. Was substitution of individuals permitted at any stage of the selection process or during fieldwork?**

Yes

No

If yes, please describe: Step-and-go-procedure would continue if there is nobody at household on second visit

**19. Under what circumstances was a household designated non-sample? Please check all that apply:**

Non-residential sample point

All members of household are ineligible

Housing unit is vacant

[ X] No answer at housing unit after \_\_\_\_\_ callbacks  
[ ] Other (Please explain):

20. Were non-sample replacement methods used?

- [ ] Yes  
[ X] No

Please describe:

21a. For surveys conducted by telephone, was the sample a random digit dial (RDD) sample?

- [ ] Yes  
[ ] No

21b. For surveys conducted by telephone, was the sample a listed sample?

- [ ] Yes  
[ ] No

21c. For surveys conducted by telephone, was the sample a dual frame sample?

- [ ] Yes  
[ ] No

If yes, what % list frame \_\_\_\_\_ and what % RDD \_\_\_\_\_

22. For surveys conducted by mail, was the sample a listed sample?

- [ ] Yes  
[ ] No

Please describe:

23. For surveys conducted on the Internet, did any respondents self-select into the survey?

- [ ] Yes  
[ ] No

Please explain:

### Incentives

24a. Prior to the study, was a letter sent to the respondent?

- Yes  
 No

(If yes, please provide a copy of the letter.)

24b. Prior to the study, was a payment sent to the respondent?

- Yes  
 No

If yes, please describe (including amount of payment):

24c. Prior to the study, was a token gift sent to the respondent?

- Yes  
 No

If yes, please describe:

24d. Did respondent receive an additional payment after their participation? (Do not include any payment made prior to the study.)

- Yes  
 No

If yes, please describe (including amount of payment):

24e. Were any other incentives used?

- Yes  
 No

If yes, please describe:

## Interviewers

25. Please describe the interviewers (e.g., age, level of education, years of experience):  
Interviewers are between age of 25 and 45. They are working for De Facto Consultancy on regular basis for over 5 years now.

26. Please provide a description of interviewer training:  
Meeting with explanation of the purpose of the survey, main problems and things to be aware of. Going through whole questionnaire and explaining the meaning of each question.

## Contacts

27a. What was the average number of contact attempts made per household, for the entire sample?

27b. For households where contact was made, what was the average number of contact attempts prior to first contact?

27c. During the field period, how many contacts were made with the household before declaring it a **non-sample**?

28d. During the field period, how many contacts were made with the household before declaring it a **non-interview**?

28e. During the field period, what were the maximum number of days over which a household was contacted?

28f. During the field period, did interviewers vary the time of day at which they re-contacted the household?

- Yes
- No

If yes, please describe:

### Refusal Conversion

29a. Were efforts made to persuade respondents who were reluctant to be interviewed?

- Yes  
 No

Please describe:

29b. Were respondents who were reluctant to be interviewed sent a letter persuading them to take part?

- Yes

- No

(If yes, please provide a copy of the letter or letters.)

If yes, please describe:

29c. Was payment offered to respondents who were reluctant to take part?

- Yes  
 No

If yes, how much?

29d. Were respondents who were reluctant to take part turned over to a more experienced interviewer?

- Yes  
 No

29e. What was the maximum number of re-contacts used to persuade respondents to be interviewed?

29f. Were any other methods used to persuade respondents reluctant to be interviewed to take part?

- Yes  
 No

If yes, please describe:

**Interview/Survey Verification**

Definition: Interview/survey verification is the process of verifying that an interview was conducted and that the survey was administered to the correct respondent, for quality control purposes.

30. Was interview/survey verification used?

- Yes
- No

If yes, please describe the method(s) used:

If yes, please indicate the percent of completed surveys that were verified: \_\_\_\_\_ %

## Response Rate

Note: If multiple modes of interviewing were used for the post-election survey in which the CSES Module appeared, please repeat the following questions as appropriate for each of the modes used.

31. What was the response rate of the survey that the CSES Module appeared in? Please show your calculations. (If the CSES Module appeared in a panel study, please report the response rate of the first wave of the study, even if the CSES Module did not appear in that wave.)

32. Please provide the following statistics for the survey that the CSES Module appeared in. (If the CSES Module appeared in a panel study, please report the statistics for the first wave of the study, even if the CSES Module did not appear in that wave.)

A. Total number of households in sample: \_\_\_\_\_

B. Number of valid households: \_\_\_\_\_

C. Number of invalid (non-sample) households: \_\_\_\_\_

D. Number of households of unknown validity: \_\_\_\_\_

E. Number of completed interviews: \_\_\_\_\_

F. Number of partial interviews: \_\_\_\_\_

G. Number of refusals and break-offs: \_\_\_\_\_

H. Number non-contact (never contacted): \_\_\_\_\_

I. Other non-response: \_\_\_\_\_

The sum of B+C+D should equal the value of A. If not, please describe why:

If statistic D (number of households of unknown validity) has a value greater than zero (0), please estimate the proportion of households of unknown validity that are valid:

The sum of E+F+G+H+I should equal the value of B. If not, please describe why:

If statistic I has a value greater than zero (0), please describe what cases fall into this category:

33. If the CSES Module appeared in a panel study, how many waves were conducted prior to the wave that included the CSES Module?

34. If the CSES Module appeared in a panel study, what was the total panel attrition between the first wave of the study and the wave that included the CSES Module? Please show your calculations.

35. If the CSES Module appeared in a panel study, please provide the number of completed interviews for the wave that included the CSES Module:

36. If the CSES Module appeared in a panel study, please provide the following statistics for panel attrition by age and education. In each cell, indicate the percent of all completed interviews in each category for the indicated wave.

<b>Age</b>	First wave of study	Wave that included CSES
18-25	%	%
26-40	%	%
41-64	%	%
65 and over	%	%

<b>Education</b>	First wave of study	Wave that included CSES
None	%	%
Incomplete primary	%	%
Primary completed	%	%
Incomplete secondary	%	%
Secondary completed	%	%
Post-Secondary Trade/Vocational	%	&
University incomplete	%	%
University degree	%	%

### **Post-Survey Adjustment Weights**

37. Are weights necessary to make the sample representative of the population being studied?

- Yes  
 No

If yes, please explain:

Weights have been done first by age and second by ethnicity. Final weights have been done as a multiplication of two weights

38. Are weights included in the data file?

- Yes  
 No

39. If weights are included in the data file, please describe in detail how the weights were constructed:

1. Weights are based on census 2011 data
2. First weight (weight1) is constructed based on ethnicity distribution for four main national groups
3. Second weight (weight2) is constructed based on age (categorical) and gender distribution. For this purpose, we produce three age groups: 18-34, 35-54 and 55+
4. Final weight represent multiplication of two weights (weight1\*weight2)

40a. If weights are included in the data file, are the weights designed to compensate for disproportionate probability of selection?

- Yes (to some extent)  
 No

If yes, please describe:

Simply, it does not fit perfectly. Moreover, any kind of non parametric test of sampling adequacy would be negative

40b. If weights are included in the data file, are the weights designed to match known demographic characteristics of the population?

- Yes  
 No

If yes, please describe:

Already explained. We took age, gender and ethnicity as criterion

40c. If weights are included in the data file, are the weights designed to correct for non-response?

- Yes
- No

If yes, please describe:

40d. If weights are included in the data file, are the weights designed to correct to the official election results?

- Yes
- No

If yes, please describe:

41. Comparison of Completed Interviews to Population (please provide as percentages of the total):

Characteristic	Population Estimates	Completed Interviews	
		Unweighted Distribution	Weighted Distribution
<u>Age</u>			
18-25	%	%	%
26-40	%	%	%
41-64	%	%	%
65 and over	%	%	%
<u>Education</u>			
None	%	%	%
Incomplete Primary	%	%	%
Primary Completed	%	%	%
Incomplete Secondary	%	%	%
Secondary Completed	%	%	%
Post-Secondary Trade/ Vocational	%	%	%

University Incomplete	%	%	%
University Degree	%	%	%

Gender

Male

Female

42. Please indicate the source of the population estimates in the prior question. English language sources are especially helpful. Include website links or contact information if applicable.

[www.monstat.org](http://www.monstat.org)