Comparative Study of Electoral Systems (CSES)
Module 3: Sample Design and Data Collection Report
June 05, 2006

Country: **Taiwan (Republic of China)**
Date of Election: **March 22 , 2008**

Prepared by: **YU, Ching-hsin**
Date of Preparation: **January 14, 2009**

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:

Organization: Election Study Center, National Chengchi University
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Funding Organization(s):

Organization(s) that funded the data collection:

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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: Election Study Center, National Chengchi University
Address:
No. 64 Sec. 2 Zhi-Nan Rd., Wenshan, Taipei City 116, Taiwan

Telephone: +886-2-2938-7134
Fax: +886-2-2938-4094
E-Mail: esc@nccu.edu.tw
Website: http://esc.nccu.edu.tw/ OR
          http://www.tedsnet.org/

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

Study Design

1. Timing of the study that the CSES Module was included in:
        [X] Post-Election Study
        [] Pre-Election/Post-Election Panel Study

2a. Date Post-Election Interviewing Began:
June 2008

2b. Date Post-Election Interviewing Ended:
September 2008

3. Mode of (post-election) interview:
        [X] In person, face-to-face
        [ ] Telephone
        [ ] Mail or self-completion supplement
        [ ] Internet

4a. Was the survey part of a panel study?
        Yes
        [X] 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:

<u>Translation</u>
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?
     [X] 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:
    Traditional Chinese

7a. If the questionnaire was translated, was the translated questionnaire assessed/checked or
evaluated?
     [X] 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?
     [X] Yes
     [ ] No
     [ ] Not applicable

7c. If the questionnaire was translated, were there any questions which caused problems when
translating?
     [] Yes
     [X] 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:

Eligible voters in Taiwan's 2008 presidential election

Eligibility Requirements

9a. Must a person be a certain age to be interviewed?
　　[X] Yes
　　[ ] No

　　If yes, what ages could be interviewed? Twenty and older

9b. Must a person be a citizen to be interviewed?
　　[X] Yes
　　[ ] No

9c. Must a person be registered to vote to be interviewed?
　　[ ] Yes
　　[X] No NA—all eligible voters were automatically registered

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?
    [X] Yes
    [] No

    If yes, what percent of the total eligible population did this exclude from the sample frame? ___0____ %

    If yes, please explain: They are not eligible to vote.

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
[X] 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: __0_____ %

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.

In this study, we divided the population into six geographic regions, then estimated the proportions of samples for each region. We employed 73 single-member districts in the 2008 legislative election as our primary sampling unit (PSU). The secondary sampling units are villages/*li* and then respondents were systematically drawn from household registration list provided by the Ministry of Interior. Based on the principle of the probabilities proportional to the size (PPS), a total of 1,905 cases were completed.

12a. What were the primary sampling units?

73 single-member districts in the 2008 legislative election.

12b. How were the primary sampling units selected?

Stratified random sampling.

12c. Were the primary sampling units randomly selected?
        [X] 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.

Based on household registration list provided by the Ministry of Interior, we divide 73 signal-member districts into 6 geographic regions (strata). Subsequently, based on the principle of probabilities proportional to size (PPS), we randomly select approximately 2 to 12 districts from each strata.

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?

Based on household registration list provided by the Ministry of Interior, we divide 73 signal-member districts into 6 geographic regions (strata). Subsequently, according to the probabilities proportional to size (PPS), we randomly select approximately 2 to 12 districts from each strata, then further select 2 to 4 villages or *li* from each selected districts. Finally, around 16 respondents were sampled from every selected village or *li*.

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

Please see 13a for more information.

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

Please see 13a for more information.

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

Please see 13a for more information.

14b. Could more than one respondent be interviewed from a single household?
    [X] Yes
    [] No

    If yes, please explain: Please see 13a for more information.

15. Did the sample design include clustering at any stage?
    [ ] Yes
    [X] 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.
    [X] Yes
    [ ] No

      If yes, please describe (please include the list of characteristics used for stratification):

Based on the household registration list provided by the Ministry of Interior, we divide 73 signal-member districts into 6 geographic regions (strata).

17. Was quota sampling used at any stage of selection?
    [ ] Yes
    [X] No

    If yes, please describe:

18. Was substitution of individuals permitted at any stage of the selection process or during fieldwork?
    [X] Yes
    [ ] No

    If yes, please describe: After 3 contact attempts without success, the sampled respondent was replaced by the supplement sample also systematically drawn from the same village/*li*.

19. Under what circumstances was a household designated non-sample? Please check all that apply:
    [X]Non-residential sample point
    [ ] All members of household are ineligible
    [X]Housing unit is vacant
    [X]No answer at housing unit after ___3____ 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

NA

21b. For surveys conducted by telephone, was the sample a listed sample?
        [ ] Yes
        [ ] No

NA

21c. For surveys conducted by telephone, was the sample a dual frame sample?
        [ ] Yes
        [ ] No

NA

        If yes, what % list frame_____ and what % RDD_____

22. For surveys conducted by mail, was the sample a listed sample?
        [ ] Yes
        [ ] No

NA
        Please describe:

23. For surveys conducted on the Internet, did any respondents self-select into the survey?
        [ ] Yes
        [ ] No

NA

        Please explain:

Incentives

24a. Prior to the study, was a letter sent to the respondent?
    [X]Yes
    [ ] No

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

24b. Prior to the study, was a payment sent to the respondent?
    [ ] Yes
    [X]No

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

24c. Prior to the study, was a token gift sent to the respondent?
    [] Yes
    [X] 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.)
    [X] Yes
    []No

    If yes, please describe (including amount of payment):
    A voucher of Family Mart Convenience Store or reusable chopsticks (around NT$ 100.00, or US$ 3.00).

24e. Were any other incentives used?
    [ ] Yes
    [X] No

    If yes, please describe:

Interviewers

25. Please describe the interviewers (e.g., age, level of education, years of experience):

Interviewers: College and graduate students from departments of social sciences.
Supervisor: Experienced interviewers, most of them graduate students, from National Cheng-chi
           University, Tunghai University, and National Sun Yat-Sen University.

26. Please provide a description of interviewer training:

One full-day training session for interviewers and on-site practice.

Contacts

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

The average number of contact attempts is 1.69 for 5,981 samples.

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

We sent a letter to respondents prior to first contact.

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

1 to 3 times

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

1 to 3 times

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

44 days
 From June 29, 2008 to August 11, 2008.

28f. During the field period, did interviewers vary the time of day at which they re-contacted the household?
        [X] Yes
        [ ] No

If yes, please describe: Interviewers must re-contact their respondents at different times of day, i.e. in the morning, afternoon, or night.

Refusal Conversion

29a. Were efforts made to persuade respondents who were reluctant to be interviewed?
[X] Yes
[ ] No

Please describe:

We will send supervisors to contact respondents if necessary.

29b. Were respondents who were reluctant to be interviewed sent a letter persuading them to take part?
[ ] Yes
[X] 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
[X] No

If yes, how much?

29d. Were respondents who were reluctant to take part turned over to a more experienced interviewer?
[X] Yes
[ ] No

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

3 times

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

       [X] Yes

       [ ] No

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

After interviewers completed their survey, their supervisor will call back or contact respondents to make sure that correct respondents were interviewed.

       If yes, please indicate the percent of completed surveys that were verified: _100____ %

Response Rate

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.)

31.85%

(E/A)*100=1905/5981*100=31.85%

See 32 for more information.

32. Please provide the following statistics for the survey that the CSES Module appeared in. Note: 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:	5,981
B. Number of valid households:	5,483
C. Number of invalid (non-sample) households:	498
D. Number of households of unknown validity:	0
E. Number of completed interviews:	1,905
F. Number of partial interviews:	1
G. Number of refusals and break-offs:	1,388
H. Number non-contact (never contacted):	705
I. Other non-response:	1,484

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 that zero (0), please describe what cases fall into this category:

ITEM	CASE NUMBER
03 R was temporarily not at home	141
09 R worked, studied, or travelled elsewhere	512
10 R worked, studiesd or travelled overseas	170
11 R was registered in the household, but did not lives here	429
14 unable to locate the address	43
19 R was physically or mentally unable to be interviewed	90
20 language problems	11
21 R missing	20
22 emigration	7
23 served in the military	17
24 got married and moved out	14
25 in jail	6
26 became a monk or nun	3
27 death	16
29 invalid answers	5

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

NA

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.

NA

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:

NA

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.
NA

Post-Survey Adjustment Weights

37. Are weights necessary to make the sample representative of the populated being studied?
   [X] Yes
   [ ] No

   If yes, please explain: To adjust our samples more representative to eligible voters in 2008 presidential election.

38. Are weights included in the data file?
   [X] Yes
   [ ] No

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

```
The survey data are weighted by raking with gender, age (5 groups),
education (5 groups), and area (6 regions), so we can generalize our
samples to eligible voters in 2008 presidential election. The
demographic characteristics are based on "2007 Taiwan-Fuchien
Demographic Fact Book Republic of China", published by the Ministry of
Interior Republic of China.
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40a. If weights are included in the data file, are the weights designed to compensate for disproportionate probability of selection?
   [ ] Yes
   [X] No

   If yes, please describe:

40b. If weights are included in the data file, are the weights designed to match known demographic characteristics of the population?
   [X] Yes
   [ ] No

   If yes, please describe: The survey data are weighted by raking with gender, age (5 groups), education (5 groups), and area (6 regions), so we can generalize our samples to eligible voters in 2008 presidential election. The demographic characteristics are based on "2007 Taiwan-Fuchien Demographic Fact Book Republic of China", published by the Ministry of Interior Republic of China.

40c. If weights are included in the data file, are the weights designed to correct for non-response?
    [ ] Yes
    [X] 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
    [X] 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
Age			
20-29	21.34%	18.22%	21.30%
30-39	21.45%	19.90%	21.45%
40-49	21.77%	20.58%	21.79%
50-59	17.35%	19.63%	17.34%
60 and over	18.08%	21.68%	18.11%
Education			
Primary school and below	20.15%	23.71%	20.15%
Junior high school	14.60%	12.49%	14.60%
High or vocational school	29.82%	27.29%	29.83%
Technical college	13.88%	14.01%	13.88%
University degree and over	21.55%	22.50%	21.53%
Gender			
Male	50.04%	50.55%	50.02%
Female	49.96%	49.45%	49.98%

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.

The demographic characteristics are based on "2007 Taiwan-Fuchien
Demographic Fact Book Republic of China", published by the Ministry of
Interior Republic of China.

 The following link can access **Statistical Yearbook of Interior**

http://www.moi.gov.tw/stat/year.aspx