

# **APPENDIX C**

**Form 1****TIMSS Participation**

*See Section 5.5 of Sampling Manual.*

TIMSS Participant: \_\_\_\_\_

National Project Coordinator: \_\_\_\_\_

- 1 Specify the populations that will be investigated in your country. For each population, specify the usual start date of the school year, and the expected date of testing for the main survey.

	Usual start date of the school year:	Expected date of testing for the main survey:	Usual end date of the school year:
<input type="radio"/> Population 1	_____	_____	_____
<input type="radio"/> Population 2	_____	_____	_____
<input type="radio"/> Population 3	_____	_____	_____

2. Describe the age and birthdate rules for entering primary school in your country.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Describe the grade structure of early primary school in your country (*for example, nursery, kindergarten, grades 1 through 6, etc.*).

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Population 1  
Describing National Desired Target Population

**Form 2/part 1**

See Section 6.1 of Sampling Manual.

TIMSS Participant: \_\_\_\_\_

National Project Coordinator: \_\_\_\_\_

*The international desired target population includes all students enrolled on a full-time basis in the two adjacent grades that contain the largest proportion of students in the age 9 cohort at the time of testing.*

- 1a. Do you plan to sample two classrooms per grade?     yes    or     no
- 1b. Do you plan to subsample within classrooms?     yes    or     no
- 2a. Specify the adjacent grades selected for the international desired target population:  
 grades 3 and 4     grades 2 and 3     other (*specify and explain*):

2b. Specify the percent coverage of the age cohort in the grade pair:  %

2c. Total national enrolment in the grades specified in 2a:  [a]

3a. Describe the coverage of the national desired target population emphasizing any differences from the international desired target population:

\_\_\_\_\_

\_\_\_\_\_

Total enrolment in the desired target population:  [b]

3b. Describe the population(s) to be excluded from the national desired target population (*if applicable*):

\_\_\_\_\_

\_\_\_\_\_

Total enrolment excluded from national desired target population  
(*box [a] - box [b]*):  [c]

Percentage (*box [c] ÷ box [a]*):  [d] %

4. Describe the data source: \_\_\_\_\_

\_\_\_\_\_

## Population 2

**Form 2/part 1 Describing National Desired Target Population**

See Section 6.1 of Sampling Manual.

TIMSS Participant: \_\_\_\_\_

National Project Coordinator: \_\_\_\_\_

*The international desired target population includes all students enrolled on a full-time basis in the two adjacent grades that contain the largest proportion of students in the age 13 cohort at the time of testing.*

1a. Do you plan to sample two classrooms per grade?     yes    or     no

1b. Do you plan to subsample within classrooms?     yes    or     no

2a. Specify the adjacent grades selected for the international desired target population:  
 grades 7 and 8     grades 6 and 7     other (*specify and explain*):

2b. Specify the percent coverage of the age cohort in the grade pair:     %

2c. Total national enrolment in the grades specified in 2a:     [a]

3a. Describe the coverage of the national desired target population emphasizing any differences from the international desired target population:

Total enrolment in the desired target population:     [b]

3b. Describe the population(s) to be excluded from the national desired target population (*if applicable*):

Total enrolment excluded from national desired target population  
(*box [a] - box [b]*):     [c]

Percentage (*box [c] ÷ box [a]*):     [d] %

4. Describe the data source: \_\_\_\_\_



2. Retention rates are important in describing differences between school systems. Please tell us the percentage of each age cohort enrolled in school in your country. (This is an update of information provided in the Participation Survey).

9 \_\_\_\_\_  
13 \_\_\_\_\_  
14 \_\_\_\_\_  
15 \_\_\_\_\_  
16 \_\_\_\_\_  
17 \_\_\_\_\_  
18 \_\_\_\_\_  
19+ \_\_\_\_\_

3. Define the mathematics and/or physics specialists under investigation:

Math (M)

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Physics (P)

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4. Describe the distribution of student groups by sub-system, and type of school (1 form per sub-system).

Population Sub-System:		
Student Groups	% of Enrolment in Sub-system	Type of School(s)
OO		
MO		
OP		
MP		

Population Sub-System:		
Student Groups	% of Enrolment in Sub-system	Type of School(s)
OO		
MO		
OP		
MP		

**Form 2/part 2****National Defined Target Population**

*To be completed for EACH population listed in Form 1. See Section 6.2 of Sampling Manual.*

TIMSS Participant:

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National Project Coordinator:

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Assessment population (*from Form 1*):

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1. Number of students in national desired target population  
(*from box [b] on Form 2/part 1*):

[a]
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2. School exclusions:

Reason for exclusion:	No. of students:
<b>TOTAL</b>	[b]

- Percentage of exclusions ( $\text{box [b]} \div \text{box [a]}$ ):  
%

[c]
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3. Number of students in national defined target  
population ( $\text{box [a]} - \text{box [b]}$ ):

[d]
-----

4. Within-school exclusions:

Reason for Exclusion:	Expected No. of students:
<b>TOTAL</b>	[e]

5. Describe the data source:
- 
- 
-

**Form 3****Stratification Variables**

To be completed for EACH population listed on Form 1. See Section 7 of Sampling Manual.

TIMSS Participant:

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National Project Coordinator:

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Assessment population (from Form 1):

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**Part 1**

List and describe the variables used for design domains:

No.	Description:	Number of levels:

**Part 2**

Provide details about enrolment in single grade and multi-grade schools (for Populations 1 and 2 only):

	Enrolment in lower grade:	Enrolment in upper grade:	Total Enrolment:
Schools with both grades:			
Schools with only upper grade:	_____		
Schools with only lower grade:		_____	
TOTAL			

**Part 3**

List and describe the variables used for implicit strata:

No.	Description:	Number of levels:

**Form 4/part 1****Stratification Variables (cont.)**

*To be completed for EACH population listed on Form 1. See Section 8 of Sampling Manual.*

TIMSS Participant: \_\_\_\_\_

National Project Coordinator: \_\_\_\_\_

Assessment population (*from Form 1*): \_\_\_\_\_

1. Stratum Number and name:
2. Enter the minimum cluster size (mcs) to be used:
3. Specify the source of information used to determine the coefficient of intraclass correlation ( $\rho$ ):  
\_\_\_\_\_  
\_\_\_\_\_

Enter  $\rho$ :

4. Specify the precision requirements (*i.e. 95% confidence limits of  $\pm 0.2s$  for estimated means*):  
\_\_\_\_\_  
\_\_\_\_\_

1. Stratum Number and name:
2. Enter the minimum cluster size (mcs) to be used:
3. Specify the source of information used to determine the coefficient of intraclass correlation ( $\rho$ ):  
\_\_\_\_\_  
\_\_\_\_\_

Enter  $\rho$ :

4. Specify the precision requirements (*i.e. 95% confidence limits of  $\pm 0.2s$  for estimated means*):  
\_\_\_\_\_  
\_\_\_\_\_















Populations 1 and 2  
**School Tracking Form**

**Form 9**

Use one form for each school from the designed sample along with its replacement schools. See Section 10 of Sampling Manual.

Population: \_\_\_\_\_ TIMSS Participant: \_\_\_\_\_

[a] Total Measure of Size

(1) School ID	(2) Name, Address and Phone Number of School	(3) Name and Phone Number of School Coordinator	(4) Measure of Size	(5) Status*	(6) Date Materials Sent Date Materials Returned	(7) Date of Assessment
†1.	_____ _____ _____ _____	_____ _____ _____ _____			_____ _____	
†2.	_____ _____ _____ _____	_____ _____ _____ _____			_____ _____	
†3.	_____ _____ _____ _____	_____ _____ _____ _____			_____ _____	

†Number 1 is the school from the designed sample. Number 2 is the first replacement school. Number 3 is the second replacement school.  
\*Enter "N" for non-participating. A check-mark (✓) indicates participation.



