APPENDIX C

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:
\bigcirc	Population 1			
\bigcirc	Population 2			
\bigcirc	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 enroled 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? O yes	or 🔿 no				
1b.	Do you plan to subsample within classrooms? \bigcirc yes	or 🔿 no				
2a.	Specify the adjacent grades selected for the international desired target population: grades 3 and 4 grades 2 and 3 other (<i>specify and explain</i>):					
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 (<i>if applicable</i>):					
	Total enrolment excluded from national desired target population (<i>box</i> [<i>a</i>] - <i>box</i> [<i>b</i>]):	[c]				
	Percentage ($box [c] \div box [a]$):	[d]	%			
4.	Describe the data source:					

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

See Section 6.1 of Sampling Manual.

TIMSS Participant:

Natio	nal Project Coordinator:			
	The international desired target population includes all students enroled 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?O yesor				
1b.	Do you plan to subsample within classrooms? O yes	or 🔿 no		
2a.	Specify the adjacent grades selected for the international desired ta grades 7 and 8 grades 6 and 7 other (arget population: (specify and explain):	•	
2b.	Specify the percent coverage of the age cohort in the grade pair:	9	%	
2c.	Total national enrolment in the grades specified in 2a:	[a]		
3a. Describe the coverage of the national desired target population emphase differences from the international desired target population:		phasizing any		
	Total enrolment in the desired target population:	[b]		
3b.	Describe the population(s) to be excluded from the national desired <i>applicable</i>):	d target population (i	f	
	Total enrolment excluded from national desired target population (<i>box</i> [<i>a</i>] - <i>box</i> [<i>b</i>]):	[c]		
	Percentage $(box [c] \div box [a])$:	[d] %	6	
4.	Describe the data source:			

Form 2/part 1 Population 3 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 who are enroled on a full-time basis in one of the final segments of public or private secondary education.

00	=	Math generalists and physics generalists
MO	=	Math specialists and physics generalists
OP	=	Math generalists and physics specialists
MP	=	Math specialists and physics specialists

1. Identify and describe the Population 3 subsystems in your country:

- 2. Retention rates are important in describing differences between school systems. Please tell us the percentage of each age cohort enroled in school in your country. (This is an update of information provided in the Participation Survey).
- 3. Define the mathematics and/or physics specialists under investigation:

Math (M)

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)
00		
МО		
ОР		
MP		

Population	Population Sub-System:		
Student Groups	% of Enrolment in Sub-system	Type of School(s)	
00			
МО			
ОР			
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.

National Project Coordinator:				
Asse	essment population (from Form 1):			
1.	Number of students in national desired target population (from box [b] on Form 2/part 1):	[a]		
2.	School exclusions:			
	Reason for exclusion:	No. of students:		
	TOTAL	[b]		
	Percentage of exclusions (<i>box</i> [<i>b</i>] ÷ <i>box</i> [<i>a</i>]): %	[c]		
3.	Number of students in national defined target population (<i>box</i> [<i>a</i>] - <i>box</i> [<i>b</i>]):	[d]		
4.	Within-school exclusions:			
	Reason for Exclusion:	Expected No. of students:		
	TOTAL	[e]		

5. Describe the data source:

Stratification Variables

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

TIMSS Participant:

National Project Coordinator:

Assessment population (from Form 1):

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 Part	icipant:
National Pro	oject Coordinator:
Assessment	population (from Form 1):
1. 2. 3.	Stratum Number and name: Enter the minimum cluster size (mcs) to be used: Specify the source of information used to determine the coefficient of intraclass correlation (rho):
4.	Enter rho: Specify the precision requirements (<i>i.e.</i> 95% confidence limits of ±0.2s for estimated means):
	Stratum Number and name
1.	Stratum Number and name:
2. 3.	Enter the minimum cluster size (mcs) to be used: Specify the source of information used to determine the coefficient of intraclass correlation (rho):
4.	Enter rho: Specify the precision requirements (<i>i.e.</i> 95% confidence limits of ±0.2s for estimated means):
-	

Form 4/part 2

Type of Sample Frame

To be completed for EACH population listed on Form 1. See Section 9.4 of Sampling Manual.

TIM	ISS Participant:			
Nati	ional Project Coordinator:			
Ass	essment population (from Form 1):			
1.	Describe the type of sampling fr	Describe the type of sampling frame to be used:		
	\bigcirc Single level (<i>check one</i>):	Type A		
		Туре В 🔿		
		Type C 🔾		
	\bigcirc Double level (<i>check one</i>):	Type D		
		Type E 🔿		
	Other (<i>specify</i>):			
2.	Describe the measure of size to 1 1991 school year):	be used (i.e. total enrolment in target grades for 1990-		
3.		ed provide preliminary description of information . The ICC will provide support, if necessary, to assist the of a double-level frame.		

Form 5/part 1 Schools Excluded from the Sampling Frame

To be completed for EACH population listed on Form 1. See Section 9.5 of Sampling Manual.

TIMSS Participant:

National Project Coordinator:

Assessment population (from Form 1):

Identification number of excluded school	REASON FOR EXCLUSION	Measure of size of excluded school
TOTAL		

Form 5/part 2 Recording the Formation of Pseudo-schools

To be completed for EACH population listed on Form 1. See Section 9.5 of Sampling Manual.

TIMSS Participant:

National Project Coordinator:

Assessment population (from Form 1):

Identification	Identification	Measure of Size				
Number of Superschool*	School #1	School #2	School #3	School #4	School #5	of Pseudo- school
TOTAL						

* Retain the identification number of the largest school making up the pseudo-school.

Form 6/part 1 Strata for Defined Target Population

To be completed for EACH population listed on Form 1. See Section 9.8 of Sampling Manual.

TIMSS Participant:

National Project Coordinator:

Assessment population (from Form 1):

(1)	(2)	(3)	Popula	tion of Students
			(4)	(5)
Design Domain (D.D.)	Stratum	Population of Schools (Number)		Percentage of: Pop. D.D.
Domain (D.D.)	(Name)	(Number)	Number	Pop. D.D.
			<u> </u>	

Form 6/part 2 Strata for Defined Target Population

To be completed for EACH population listed on Form 1. See Section 9.8 of Sampling Manual.

TIMSS Participant:

National Project Coordinator:

Assessment population (from Form 1):

Stratum		Sample of Schools	Ex	pected of Students
	(3)	(4)	(5)	(6)
(-)				
			Lower	Upper
Name:	mcs	Number:	Grade	Upper Grade
	Stratum (2) Name:	(2) (3)	(2) (3) (4)	StratumSample of SchoolsSample(2)(3)(4)(5)LowerLower

Selecting the Sample of Schools

TIMSS Participant:

Assessment population (from Form 1 — including Design Domain and Explicit Stratum) :

(1) School	(2) Pseudo- school	(3) Measure of Size	(4) Cumulative	(5) Sampled
List Number	(✔)	(from sorted sampling frame)	Measure of Size	(✔)
Tot	al from pr	evious page. ———		

Identifying the Sample of Schools

To be completed for EACH population listed on Form 1. See Section 10.3 of Sampling Manual.

TIMSS Participant:

Assessment population (from Form 1 — including Design Domain and Explicit Stratum):

S [a] Total Measure of Size	D [b] Desired Sample	I [c] Sampling Interval	RN [d] Random Number
	(1) Line Number	(2) Selection Numbers	

Populations 1 and 2 School Tracking Form Use one form for each school from the designed sample along with its replacement schools. See Section 10 of Sampling Manual.

(2) (3) (4) (5) (6) me, Address and Phone Number of School Name and Phone Number Measure of Status* Date Materials Semi- me, Address and Phone Number of School of School Coordinator Size Status* Date Materials Semi- me, Address and Phone Number of School of School Coordinator Size Status* Date Materials Semi- metrial ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender ender	Population:				TIMSS	TIMSS Participant:	ant:	
(3) (4) (5) (6) Name and Phone Number Measure of Status* Date Materials Sent of School Coordinator Size Date Materials Returned Image: Sent of School Coordinator Size Image: Sent of Size Image: Sent of School Coordinator Size Image: Sent of Size Image: Sent of School Coordinator Size Image: Sent of Size Image: Sent of School Coordinator Size Image: Sent of Size Image: Sent of School Coordinator Size Image: Sent of Size Image: Sent of School Coordinator Size Image: Sent of Size Image: Sent of Size Size Image: Sent of Size Image: Sent of Size Image: Sent of Size Size Size Image: Sent of Size Image: Sent of Size Size Size Image: Sent of Size Image: Sent of Size Size Size Size Image: Sent of Size Size Size </td <td>[a] Total Measure of Size</td> <td>f Size</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	[a] Total Measure of Size	f Size						
Name and Phone Number Measure of of Status* Date Materials Sent of School Coordinator Size Date Materials Sent Date Materials Date Materials Returned Date Materials Returned Date Materials Date Materials Date Materials Returned Date Materials Date Materials Date Materials	(1)		(2)	(3)	(4)	(5)	(9)	(2)
of School Coordinator Size Date Materials Returned Date Materials Date Materials Date Materials Date Material Date Materials <td></td> <td></td> <td></td> <td>Name and Phone Number</td> <td>Measure of</td> <td>Status*</td> <td></td> <td>Date of</td>				Name and Phone Number	Measure of	Status*		Date of
	School ID Name, A	Name, ∤	Address and Phone Number of School	of School Coordinator	Size		Date Materials Returned	Assessment

Populations 1 and 2 Class Tracking Form

Population: 1

2

TIMSS Participant:

To be completed for participating schools listed on the Form 9. See Section 11 of Sampling Manual.

[a] School Name & Address:

[b] School Coordinator & Contact:

[c] Schoo	ol ID [d] N	/inimum	[e] Target	[f]	Random	[g] Sampling	[h1] First Selected	l [h2] Secon	d Selected
	0	Cluster Size	e Grade		Start	Interval	Classroom	Classi	room
(1) Line	(2)	(3) Stream or	(4) Location		(5) Total Number of		Students Eligible		(9)
Number	Class ID	Track	(Room)		Students	Students	for Testing	Count	Sample