

Exhibit 5.4: Population and Sample Sizes – TIMSS Advanced 2015 – Physics

Country	Population		Sample		
	Schools	Students	Schools	Students	Student Population Size Estimated From Population
France	2,106	162,106	144	3,958	172,309
Italy	1,277	106,005	114	3,424	105,084
Lebanon	1,635	62,121	250	1,156	4,464
Norway	216	4,394	127	2,472	4,166
Portugal	283	6,084	149	1,783	5,669
Russian Federation	3,364	71,009	193	3,822	66,886
Slovenia	59	1,557	50	1,106	1,505
Sweden	407	15,387	133	3,727	15,430
United States	33,411	3,816,235	165	2,932	200,235