

Exhibit 3.5: TIMSS Advanced 2015 Advanced Mathematics Stratification Variables

| Country | Explicit Stratification Variables | Number of Explicit Strata | Implicit Stratification Variables |
|-------------------------|--|---------------------------|--|
| France | School type (2) Success rate level (5) | 8 | None |
| Italy | School type (2) Region (5) | 10 | None |
| Lebanon | School type (2) | 2 | Region (7) |
| Norway | School size (5) | 5 | None |
| Portugal | School type (2) Region (7) | 8 | None |
| Russian Federation | Region (28) Presence of advanced mathematics streams (3) | 77 | Region (14) Location (9) |
| Russian Federation 6hr+ | Presence of students from two advanced mathematics streams (3) Region (27) | 48 | Region (14) Location (9) |
| Slovenia | Presence of students from the two study populations (2) Percentage of mathematics experts in school | 4 | None |
| Sweden | Programs offered (3) School size (3) | 9 | School type (2) |
| United States | Presence of advanced program (2) School type (2) Census Region (4) | 9 | Urbanization (4) Ethnicity status (2) |