

Exhibit MA.1: Countries Participating in the TIMSS Advanced 2015 Advanced Mathematics Assessment and in Earlier TIMSS Advanced Assessments

| Country | 2015 | 2008 | 1995 |
|--------------------|------|------|------|
| France | ● | | ● |
| Italy | ● | ● | ● |
| Lebanon | ● | ● | |
| Norway | ● | ● | |
| Portugal | ● | | |
| Russian Federation | ● | ● | ● |
| Slovenia | ● | ● | ● |
| Sweden | ● | ● | ● |
| United States | ● | | ● |

● Indicates participation in that testing cycle.

The Russian Federation participated in 2015 with an expanded population that included the more specialized students assessed in 1995 and 2008.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS Advanced 2015