



Appendix C

Country Adaptations to Items and Item Scoring

C.1 Fourth Grade

C.1.1 Items to be deleted

ALL COUNTRIES

M11_04, M14_04 Mathematics (faulty distracters)

S02_08, S08_06 Science (faulty distracters)

ARMENIA

S01_03, S01_04 Science (negative discrimination)

CYPRUS

S01_04 Science (poor discrimination)

HUNGARY

M04_11 Mathematics (not administered)

M07_08 Mathematics (negative discrimination)

M14_06 Mathematics (printing error)

S10_02 Science (printing error)

IRAN

S05_06 Science (printing error)

LITHUANIA

M12_06C Mathematics (printing error)

MOLDOVA

S08_08, S10_02 Science (negative discrimination)

MOLDOVA (*Russian only*)

M09_04 Mathematics (negative discrimination)

S03_02, S13_06, S14_04 Science (negative discrimination)

MOROCCO

M11_10 Mathematics (poor discrimination)

S04_01 Science (printing error)

NETHERLANDS

M04_06 Mathematics (scorer reliability less than 70%)

S13_03 Science (scorer reliability less than 70%)

SLOVENIA

M03_06 Mathematics (Slovenia administered a different item than the International version)

TUNISIA

S05_06 Science (printing error)

S07_10 Science (poor discrimination)

YEMEN

M03_08 Mathematics (printing error)

S07_10 Science (translation error)

C.1.2. Items needing options changed**MOLDOVA** (*Russian only*)

M08_05 Mathematics (printing error, recode D to B and B to D)

C.1.3 Constructed-response items needing category recoding**ALL COUNTRIES**

M11_12 Mathematics (recode 20 to 10, 10 to 71)

S08_08 Science (recode 20 to 10, 10 to 73, 11 to 74, 12 to 75)

C.2 GRADE 8

C.2.1 Items to be deleted

BAHRAIN

S05_08 Science (negative discrimination)

BOTSWANA

S02_01, S05_01, S11_09 Science (negative discrimination)

CANADA – ONTARIO AND QUEBEC (*French only*)

M05_07 Mathematics (printing error)

EGYPT

M01_12 Mathematics (Booklets 1 and Booklet 12 for Arabic version only)

M04_12 Mathematics (all Booklets for French version only)

S07_10, S09_13 Science (negative discrimination)

S08_10A, S08_10B Science (Booklets 2 for Arabic version only)

S14_01 Science (all Booklets for Arabic version only)

GHANA

M01_01 Mathematics (data moved from M01_01 to M01_02 in Booklet 6 and Booklet 12)

M01_02 Mathematics (Booklet 6 and Booklet 12)

M01_05, M01_12, M01_14, M02_06, M02_07, M02_12, M02_14, M02_15, M03_13, M04_01, M05_09, M06_13, M07_02, M07_10, M08_02, M08_05, M08_07, M08_09, M09_05, M10_02, M10_03, M10_04, M10_05, M11_02, M11_05, M11_06, M11_10, M11_12, M12_04, M12_05, M12_09, M12_10, M13_02, M13_09, M13_10, M13_11, M14_01, M14_03, M14_09 Mathematics (printing error)

M10_07, M10_08, M10_09 Mathematics (printing error in Booklet 6 only)

M12_03 Mathematics (not administered)

S01_03, S09_03 Science (printing error)

S14_01 Science (negative discrimination)

HUNGARY

M07_01 Mathematics (printing error)

INDONESIA

M02_04 Mathematics (negative discrimination)

S11_09 Science (negative discrimination)

ITALY

M06_10 Mathematics (printing error with fractions)

JORDAN

M08_06, M09_01 Mathematics (translation error)

M14_05 Mathematics (poor discrimination)

M14_08 Mathematics (negative discrimination)

S05_08, S07_08, S09_05, S09_06 Science (translation error)

KOREA

S02_11 Science (printing error)

LATVIA

M04_11A Mathematics (printing error)

M11_03 Mathematics (scorer reliability less than 70%)

M14_01 Mathematics (poor discrimination)

LITHUANIA

S14_09 Science (scorer reliability less than 70%)

LEBANON

M01_06 Mathematics (negative discrimination)

MACEDONIA

M14_05 Mathematics (negative discrimination)

S01_10 Science (negative discrimination)

S05_02 Science (translation error)

MOLDOVA

M06_10 (negative discrimination)

MOROCCO

M03_01, M03_05 Mathematics (printing error)

S01_08, S04_10 Science (negative discrimination)

S01_12 Science (translation error)

NETHERLANDS

S11_05 Science (negative discrimination)

PALESTINIAN NATIONAL AUTHORITY

M14_08 Mathematics (negative discrimination)

S01_06, S01_16, S05_08, S09_05, S09_06 Science (negative discrimination)

S07_08 Science (translation error)

ROMANIA

M12_11 Mathematics (printing error)

SAUDI ARABIA

M13_06 Mathematics (negative discrimination)

M13_07 Mathematics (poor discrimination)

S01_08, S05_08 Science (negative discrimination)

SLOVAK REPUBLIC

M06_12 Mathematics (printing error in Booklets 2, 5, and 6)

M12_13A Mathematics (negative discrimination)

S11_01 Science (printing error)

SLOVENIA

S14_08B, S14_09 Science (scorer reliability less than 70%)

TUNISIA

M03_05, M03_10, M08_06 Mathematics (translation error)

S04_10, S13_01 Science (negative discrimination)

C 2.2. Constructed-response items needing category recoding**ALL COUNTRIES**

M07_05, M13_04 Mathematics (recode 20 to 10, 10 to 70)

S07_11, S08_10B, S09_03 Science (recode 20 to 10, 10 to 12, 29 to 19)

S10_06 Science (recode 20 to 10, 21 to 11, 22 to 12, 29 to 19, 10 to 71, 11 to 72, 19 to 79)

S13_10 Science (recode 20 to 10, 29 to 19, 10 to 70, 70 to 71, 71 to 72, 19 to 79)