

Exhibit 1.2: TIMSS Advanced 2015 Development Schedule for Achievement Items

Date(s)		Group and Activity
July – December	2012	TIMSS & PIRLS International Study Center conducted content analysis of the curricular topics described in the <i>TIMSS Advanced 2008 Assessment Frameworks</i> and <i>TIMSS Advanced 2008 International Report</i>
October	2012	Task Force proposed updates for the 2015 Assessment Frameworks, incorporating results from the content analysis (Boston, USA)
January	2013	TIMSS & PIRLS International Study Center compiled proposed updates to Assessment Frameworks in preparation for the 1 st National Research Coordinator (NRC) meeting
February	2013	NRCs reviewed proposed updates to Assessment Frameworks at 1 st NRC meeting (Hamburg, Germany)
March	2013	TIMSS & PIRLS International Study Center met with ACER representatives to discuss item development (Boston, MA)
March	2013	TIMSS & PIRLS International Study Center incorporated feedback from 1 st NRC meeting to further refine the <i>TIMSS Advanced 2015 Assessment Frameworks</i> and surveyed NRCs online about proposed assessment topic areas and objectives
April	2013	Science and Mathematics Item Review Committee (SMIRC) reviewed proposed advanced mathematics and physics frameworks, developed innovative reasoning tasks and prototype items, and reviewed draft <i>TIMSS 2015 Item Writing Guidelines</i> at the 1 st SMIRC meeting (Oslo, Norway)
May	2013	TIMSS & PIRLS International Study Center prepared final drafts of TIMSS Advanced 2015 advanced mathematics and physics assessment frameworks, incorporating SMIRC and NRC comments
May	2013	TIMSS & PIRLS International Study Center updated TIMSS Item Writing Guidelines for 2015
May	2013	NRCs reviewed <i>TIMSS Advanced 2015 Assessment Frameworks</i> and developed draft field test items using <i>TIMSS 2015 Item Writing Guidelines</i> at 2 nd NRC meeting (Amsterdam, The Netherlands)
June – August	2013	TIMSS & PIRLS International Study Center further refined draft field test items and scoring guides and continued to develop additional items to cover frameworks
July	2013	Advanced Mathematics and Physics Task Forces reviewed and edited draft field test items and scoring guides, developed additional items to cover the frameworks, and classified items into preferred and alternate sets (Boston, USA)
September	2013	SMIRC reviewed draft field test items and scoring guides at 2 nd SMIRC meeting (St. Petersburg, Russia)
September – October	2013	TIMSS & PIRLS International Study Center revised draft field test items and scoring guides to address SMIRC comments
November	2013	NRCs reviewed and approved proposed field test items at 3 rd NRC meeting (Budapest, Hungary)
November – December	2013	TIMSS & PIRLS International Study Center assembled field test items into assessment blocks
December	2013	TIMSS & PIRLS International Study Center distributed field test achievement booklets to NRCs
January	2014	TIMSS & PIRLS International Study Center collected student responses to constructed response items from English-speaking countries to develop scoring training materials

Exhibit 1.2: TIMSS Advanced 2015 Development Schedule for Achievement Items (Continued)

Date(s)		Group and Activity
February	2014	Advanced Mathematics and Physics Task Forces modified scoring guides for constructed response items based on student responses and developed scoring training materials for 4 th NRC meeting (Boston, USA)
March – April	2014	Countries conducted TIMSS Advanced 2015 field test
March	2014	TIMSS & PIRLS International Study Center published <i>TIMSS Advanced 2015 Assessment Frameworks</i>
March	2014	NRCs received scoring training for TIMSS Advanced 2015 constructed response field test items at 4 th NRC meeting (Sydney, Australia)
April – May	2014	Countries submitted field test achievement data for analysis and review
June	2014	Advanced Mathematics and Physics Task Forces reviewed field test item statistics
June – July	2014	TIMSS & PIRLS International Study center assembled proposed item blocks in preparation for the 3 rd SMIRC meeting
July	2014	SMIRC reviewed proposed item blocks in conjunction with field test results at 3 rd SMIRC meeting (Sofia, Bulgaria)
August	2014	NRCs reviewed and approved item blocks for TIMSS Advanced 2015 data collection at 5 th NRC meeting (Paris, France)
September	2014	TIMSS & PIRLS International Study Center distributes materials for the TIMSS Advanced pilot test for new items
October	2014	TIMSS & PIRLS International Study Center distributed TIMSS Advanced 2015 data collection achievement booklets to NRCs
January	2015	Advanced Mathematics and Physics Task Forces review scoring guides and update scoring training materials (Boston, MA)
February	2015	TIMSS & PIRLS International Study Center updated and prepared materials for TIMSS Advanced 2015 constructed response item scoring training and distributed them to NRCs in preparation for the 6 th NRC meeting
March	2015	NRCs received scoring training for constructed response items at 6 th NRC meeting (Prague, Czech Republic)
March	2015	TIMSS & PIRLS International Study Center distributed final TIMSS Advanced scoring guides and training materials for 2015 data collection