**AGREEMENT FOR PARTICIPATION**

**Programme for International Student Assessment (PISA) 2018**

BETWEEN

The Organisation for Economic Co-operation and Development located at 2, rue André-Pascal, 75775 Paris Cedex 16, France, represented by Mr Anthony Rottier, Executive Director and Mr. Andreas Schleicher, Director, Directorate for Education and Skills” hereinafter referred to as “**OECD**”

on the one hand,

AND

The Ministry of Education and Science of the Republic of Latvia, situated at Vaļņu iela 2, Riga, LV-1050, Latvia, represented by the Minister for Education and Science Mr. Kārlis Šadurskis, hereinafter referred to as the ”**Participating Entity**”

on the other hand,

Hereinafter jointly referred to together as the “Parties” or separately as a “Party”

IT HAS BEEN AGREED AS FOLLOWS:

## Programme content

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| Article 1 | a) Under this Agreement for participation in the OECD Programme for International Student Assessment (PISA) 2018, the following activities will be undertaken: * The sample design and the drawing of the sample for the PISA Field Trial, which will be conducted in 2017. The development of the manuals and survey instruments (*e.g.*, assessment instruments and questionnaires) for the Field Trial.
* The training of national experts and administrators through the experts from the PISA 2018 international contractors, responsible for the implementation of PISA 2018 (the “International Contractors”), in matters of field administration, quality assurance and the marking of open-ended items for the Field Trial.
* The sample design and the drawing of the sample for the PISA Main Study.
* The development of the manuals and survey instruments (*e.g.,* assessment instruments and questionnaires) for the Main Study.
* The training of national experts and administrators through the experts from the International Contractors in matters of field administration, quality assurance and the marking of open-ended items for the Main Study.
* Assistance through the International Contractors with the development of the national version of the survey instruments (including survey manuals and tests), including the independent verification of the instruments for linguistic and psychometric equivalence through experts from the International Contractors.
* Provision and training by the International Contractors of independent national[[1]](#footnote-2) PISA Quality Monitors (PQM) who will visit a sub-sample of the schools during the assessment. This procedure is part of the high quality monitoring program from PISA.
* The verification and analysis of the national data (including scaling) through experts from the International Contractors.
* Assistance for the preparation of the national database and report, including the preparation of preliminary and final versions of national and international indicators as well as international reports.
* Special assistance for the development of national reports.

b) The Participating Entity may choose to participate in the following optional activities at no extra cost. The implementation of :* an educational career questionnaire
* an ICT questionnaire

c) Other optional activities that the Participating Entity may choose to participate in at an additional cost include the implementation of * a grade-based sample
* an assessment of financial literacy
* a parent questionnaire
* a teacher questionnaire
* a well-being questionnaire

These activities will take place subject to interest by a sufficient number of countries/economies. Financial arrangements for participation in these options will be made separately from this Agreement. |

### Rules for participation

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| Article 2 | The Participating Entity will establish a PISA National Centre, nominate a National Project Manager (NPM) and ensure that an appropriate infrastructure and appropriate resources are in place to implement the PISA 2018 assessment in accordance with the PISA Technical Standards that are set out in Annex A. The NPM is responsible for all tasks related to the national implementation of PISA. The NPM has full rights (to have a seat at the table, take the floor and take part in the decision-making process) and obligations (to fully participate and exchange information) at the NPM meetings. The NPM will be also able to access all materials for NPMs. It is desirable that the NPM serve the project implementation over the whole duration of the programme. However, where changes are inevitable, the Participating Entity will inform the OECD immediately and take all necessary steps to ensure a smooth transition, including making all relevant documentation accessible to the new NPM.  |
| Article 3 | Subject to approval of Participating Entity’s participation as a participant in meetings of the PISA Governing Board (PGB) in accordance with applicable OECD rules and procedures, including the payment of participant fees, the Participating Entity will have the option of nominating a representative to participate in meetings of the PGB with a participant status. The PGB represents all OECD Members at the senior policy level and is responsible for specifying the policy priorities and standards for the development, implementation and analysis of PISA. Participants’ representatives to the PGB have rights to access to materials for the PGB members, with the exception of material whose access is restricted to OECD Members, and have obligations for exchanging information. |
| Article 4 | The Participating Entity agrees to implement the programme in accordance with the PISA Technical Standards that are set out in Annex A, including the standards referring to the areas of: sampling (including population coverage, exclusions and response rates), translation and translation verification, test administration, quality monitoring, coding, data entry and data submission. Failure to so do will result in invalidity of the results for international purposes, thus, non inclusion in the international reports. As part of this, the Participating Entity will: * Define and describe their country’s national target population and prepare a complete list of sample schools and student samples with the help of the International Contractors. The geographic coverage of countries must comply with international law, as defined by the "United Nations Standard Country or Area Codes and Geographical Regions";
* Translate all assessment materials including test items, questionnaires and manuals into primary languages of the Participating Entity’s country, verify them and finalise them with high quality of translation through the correspondences with the International Contractors;
* Attend NPM meetings and training meetings organised by the International Contractors;
* Prepare for and conduct the data collections for the Field Trial and the Main Study;
* Collect the assessment materials, code students’ responses, enter data, verify them and send the data to the International Contractors; and
* Conduct analysis and produce a national report.
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| Article 5 | The Participating Entity will contribute EUR 151 000 in the period 2016-2019 to support the costs related to this programme. Failure to do so will result in the termination of this Agreement. The Participating Entity will pay as follows on receipt of the corresponding invoices from the OECD: EUR 16 000 in 2016 and EUR 45 000 per year for three years from 2017 to 2019 inclusive. The first instalment will be paid in full upon signature of this Agreement and receipt of the corresponding invoice from the OECD. The payments in 2017, 2018 and 2019 will be made by the first of March each year.These contributions will be administered according to the Financial Regulations and other relevant OECD rules, policies and procedures, which currently provide for an administrative cost recovery charge of 6.3% of the total contribution amount. Additionally, the Participating Entity will be responsible for all costs related to the national implementation of the programme, including travel expenses for NPM to attend scheduled meetings as well as costs for international options which the Participating Entity decides to participate in.  |

### Nomination of a National Project Manager and a PISA Governing Board member

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| Article 6 | A National Project Manager (NPM) shall be: Mr. Andris KangroProfessor, Faculty of Education, Psychology and Art, University of LatviaAddress: Jūrmalas gatve 76, Riga, LV-1083, LatviaE-mail: andris.kangro@lu.lv, tel.: +371 29460054As described in Article 2, the NPM has full rights to access to materials for NPMs and to participate in the NPM meetings and has obligations to engage in all activities for NPMs. The Participating Entity agrees to inform the OECD in writing of any changes in personnel affecting this Article. |
| Article 7 | Subject to the provisions of Article 3, the Participating Entity has the option of nominating a representative to attend PISA Governing Board (PGB) meetings. The Participating Entity’s representative shall be: Ms. Aļona BabičaExpert of Department of Policy Initiatives and DevelopmentMinistry of Education and Science of the Republic of Latvia Address: Vaļņu iela 2, Riga, LV-1050, Latvia E-mail: alona.babica@izm.gov.lv, tel.: +371 67047703Subject to the provisions of Article 3, the Participating Entity’s representative to the PGB has full rights to access to materials for PGB members and has obligations to exchange information. Subject to the provisions of Article 3, Participating Entity’s representative will be able to attend the PGB meetings as a participant. The Participating Entity agrees to inform the OECD in writing of any changes in personnel affecting this Article. |

### Deliverables and Support from the OECD and the International Contractors

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| Article 8 | The OECD will: * Assist the Participating Entity with the successful implementation of PISA during all stages of the design, development, implementation and analysis of PISA;
* Assist the Participating Entity with communication with the International Contractors;
* Assist the Participating Entity with the analysis and interpretation of the findings and with situating them in the national policy context; and
* Integrate the results into the international reports and finalise the technical report.
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| Article 9 | The International Contractors will* **Produce the integrated framework and test specifications for the assessment of reading, mathematical, scientific literacy, and the innovative domain of global competencies.** The International Contractors will ensure sufficient continuity between the framework for PISA 2018 and the previous six PISA cycles in order to provide information concerning the levels of student proficiency in key domains and the social, economic and educational indicators that are associated with them, and to provide regular reports on changes in such levels and indicators over time. At the same time, the International Contractors will develop the framework further in order to respond to the expanded PGB’s policy concerns.
* **Support the Participating Entity in developing the sampling plans for the Field Trial and the Main Study.** The International Contractors will provide technical support for the Participating Entity to define the target population. The International Contractors will provide all necessary materials for sampling such as the Sampling Manual and computer software for sampling as well as a training session for the use of the software. The International Contractors will nominate persons for the Sampling Referee and work closely with the Referee to ensure the quality of sampling.
* **Produce the assessment instruments including test items and questionnaires**. Collaborating with the NPMs and international experts, the International Contractors will create item pools in the domains of reading, mathematics, science and global competencies, construct assessment instruments according to the test specifications and content presented in the assessment frameworks, revise the Field Trial assessment instruments for the Main Study, finalise the instruments for the Main Study and produce the report mapping test items to the respective frameworks for the assessment instruments. The International Contractors will develop a framework for the contextual questionnaires meeting the PGB’s policy concerns, identify relevant variables and discuss their relationship to learning processes and outcomes, assist in the process of building consensus around the PISA context questionnaires and their goals and finalise the questionnaires.
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|  | * **Produce documents for survey procedures and operations.** The International Contractors will prepare a document that provides a thorough overview of the project as a whole, including resource requirements for each phase of the project, and a detailed schedule of project tasks and activities. The connection of each implementation task to the PISA Technical Standards will be made explicit. The International Contractors will also produce supporting documentation that describes particular activities such as items preparation, sampling, translation and data management in detail.
* **Organise NPM meetings and training meetings**. The International Contractors will organise two meetings per year in the years 2016 and 2017 and one meeting in 2018. The meetings will cover the issues of sampling, survey procedures and operations for the Field Trial and the Main Study, translation and verification, coder training, data cleaning and data management.
* **Ensure the quality of the translation of the assessment instruments into primary languages of the Participating Entity’s country**. The International Contractors will provide the Participating Entity with the PISA translation and adaptation guidelines in addition to two equivalent source versions of all assessment instruments in English and French. The International Contractors will develop a detailed translation and reconciling training module for the Participating Entity to use. The International Contractors will appoint an experienced team of international verifiers to conduct the linguistic quality control of translated materials, suggest revisions as needed and provide expert linguistic advice. The Translation and Verification Referee of the International Contractors will monitor the verification team’s deliverables.
* **Produce the reports on survey procedures and quality assurance procedures for the Field Trial and the Main Study.** The International Contractors will hire experts to monitor the status of the National Centre and to observe the survey procedures, organise their visit to the National Centre and provide feedback to the Participating Entity in order to maintain a high quality of PISA implementation. The International Contractors will produce monitoring reports in the areas of test administration.
* **Produce the reports on the results from the Field Trial and the Main Study.** Following the Field Trial and the Main Study, the International Contractors will carry out preliminary analyses and check the values of item difficulty, point-biserial indices and other psychometric coefficients for possible data entry errors, translation or other problems. The International Contractors will produce a report containing preliminary item statistics for all countries, a report on item-by-country interactions, a report on items that have statistically undesirable characteristics and a report on analyses for gender and language based differential item functioning. The International Contractors will also produce the reports on trend analysis linking the 2018 results with results from the previous six cycles.
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|  | * **Produce the cleaned databases for data collected**. The International Contractors will examine the data received from the Participating Entity and conduct a final data cleaning by communicating with the Participating Entity. The International Contractors will scale the test items, construct achievement scales in the domains of reading, mathematics, science and global competencies, and produce proficiency levels. The International Contractors will also construct attitude scales from the context questionnaires.
* **Produce material for the PISA 2018 technical report and a fully documented data product**. The technical report will include detailed descriptions for test design, questionnaire development, sample design and sample weights, translation procedure, field operations, scaling of test items as well as context questionnaire data, and proficiency scale construction. The International Contractors will make the international database available for the Participating Entity under embargo before the official data release. At the time of the official data release, the International Contractors will upload the international database as well as questionnaires and codebooks and launch various data functions of creating customised data tables on the PISA web site.
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## Confidentiality undertaking on the use of materials from PISA

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| Article 10 | The Participating Entity is granted a non-exclusive right to use, in the form and subject to the terms and conditions specified in this Agreement, all documents listed under Article 11 from the *PISA*. These documents, as well as all other information, outputs or results, intermediate or final, arising from or relating in any manner to the *PISA* programme, as well as any related copyright and other intellectual property rights, are and shall at all times remain the sole property of the OECD.The Participating Entity shall take all necessary regulatory, administrative and technical measures to ensure that all materials from the *PISA* are used only for work specified in Article 12. |
| Article 11 | a) Assessment materials (*e.g.*, test items) and their related documents (*e.g.*, coding guides) shall remain confidential, except for the set of assessment materials released by the OECD in its publications. The Participating Entity shall take all necessary regulatory, administrative and technical measures to ensure that none of the assessment materials of the *PISA* ordocumentation accompanying them are distributed to any individual not identified in Article 18 of this Agreement. Upon the finalisation of the PISA 2018 cycle, the Participating Entity shall personally ensure that all *assessment materials* have been either securely stored or destroyed.b) Questionnaires and manuals are not confidential and their access may be granted for work specified in Article 12, conducted on behalf of the Participating Entity or any other purposes for which the Participating Entity is involved, upon prior written approval of the OECD. |
|  | c) Databases and reports labelled *confidential* or *under embargo* shall be kept confidential until their release by the OECD in accordance with Article 12. The Participating Entity shall be directly liable for the security of the data and compliance with this Agreement during that period. Furthermore, the Participating Entity shall directly ensure that any individual identified in Article 18 who is working with these embargoed or confidential materials has signed a confidentiality statement certifying that the signatory will abide by all confidentiality provisions stated in this Agreement. In cases where the signatory is an employee of the Participating Entity, the confidentiality statement should further provide that failure to abide by all confidentiality provisions stated in this Agreement will render the signatory subject to disciplinary action by the employer. |
| Article 12 | The use of materials listed in Articles 11a) and 11c) is permitted solely for the national implementation of PISA in the Participating Entity country, preparation of national reports or documents, with the condition that no data and information derived from these materials shall be published or otherwise disseminated to any individual other than those identified in Article 18 of this Agreement prior to the publication of the first international PISA report by the OECD or prior express written consent from the OECD. Any other use shall require the explicit and written consent from the OECD. |
| Article 13 | The Participating Entity shall meet the schedule of payments described in Article 5 and comply with all technical standards presented in Annex A of this Agreement.The Participating Entity may not process, disseminate or otherwise allow any of the materials or data from the *PISA* to be made available or used for any purpose whatsoever other than the purposes described in Article 12. Failure to comply with these requirements shall be grounds for termination of the Agreement by OECD with immediate effect, and shall result in non-supply of further materials or data and possible legal action by the OECD.  |
| Article 14 | The Participating Entity undertakes to state the source of the data as “OECD/PISA” in all uses of the information, and, where applicable, to include a proper copyright notice, as follows: *[NAME of PUBLICATION],* © *[DATE]*, Organisation for Economic Co-operation and Development (OECD), Paris.Moreover, the Participating Entity undertakes to properly acknowledge “PISA” and “OECD/PISA” as trademarks of the OECD, by (a) placing a ™ symbol following the first prominent use of the mark in any document and (b) including the following statement in every document which makes reference to the mark(s): PISA and OECD/PISA are trademarks of the Organisation for Economic Co-operation and Development (OECD). |
| Article 15 | Obligations under Articles 10, 11, 12, 13 and 14 of this Agreement shall continue after the expiry or termination of this Agreement without any time limit except for the confidentiality of any material that has been publicly released by the OECD or put into the public domain, such as the final international database. |

### Duration and termination of this Agreement

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| Article 16 | This Agreement shall come into force and effect upon its signature by both Parties and shall remain in full force and effect until the completion of all activities for PISA 2018 as described herein, unless terminated earlier in accordance with the provisions hereof. The OECD reserves the right to terminate the present Agreement at any time with immediate effect, either for non-respect of the Participating Entity’s obligations under this Agreement, in particular those set forth in Articles 2, 4, 5 and 10-12 above, or for non-delivery of instruments for translation verification and data for processing on specified dates. The OECD may also terminate the present Agreement for any other reason, upon notice of 30 days to the Participating Entity. No compensation may be claimed by the Participating Entity in the event of termination of the Agreement by the OECD. |

### Department responsible for managing this Agreement and access right

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| Article 17 | The person responsible for managing the Agreement at the OECD shall be the administrative & communications coordinator of the Early Childhood and Schools Division of the Directorate for Education and Skills at the OECD, who is currently:Ms. Juliet Evans2, rue André-Pascal, 75775 Paris Cedex 16, FranceTel.: +33 1 4524 9994Fax: +33 1 4430 6177E-mail: juliet.evans@OECD.orgResponsible for managing the Agreement for the Participating Entity shall be:Ms. Aļona BabičaExpert of Department of Policy Initiatives and DevelopmentMinistry of Education and Science of the Republic of Latvia Address: Vaļņu iela 2, Riga, LV-1050, Latvia E-mail: alona.babica@izm.gov.lv, tel.: +371 67047703The OECD and the Participating Entity agree to inform one another in writing of any changes in personnel affecting this Article. |
| Article 18 | Pursuant to Article 11, the Participating Entity may grant the individuals identified below access to all *test materials or materials labelled ”confidential”* from the *PISA* or parts of it, subject to the provisions of this Agreement. Each individual is to be identified with the full name, affiliation and contact details.Individual 1: Mr. Andris KangroProfessor, Faculty of Education, Psychology and Art, University of LatviaAddress: Jūrmalas gatve 76, Riga, LV-1083, LatviaE-mail: andris.kangro@lu.lv, tel.: +371 29460054Individual 2: Ms. Rita KiseļovaAsist. professor, Vice-Dean of Faculty of Education, Psychology and Art, University of LatviaAddress: Jūrmalas gatve 76, Riga, LV-1083, LatviaE-mail: rita.kiselova@lu.lv, tel.: +371 67034027Individual 3: Mr. Andris GrīnfeldsProfessor, Dean of Faculty of Education, Psychology and Art, University of LatviaAddress: Jūrmalas gatve 76, Riga, LV-1083, LatviaE-mail: andris.grinfelds@lu.lv, tel.: +371 67033864The Participating Entity agrees to inform the OECD in writing of any changes in personnel affecting this Article. |

### General provisions

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| Article 19 | Any dispute arising from the interpretation or implementation of this Agreement, which cannot be settled by mutual agreement, shall be settled by binding arbitration in accordance with the Permanent Court of Arbitration Optional Rules for Arbitration involving International Organizations and States, as in effect on the date of this Agreement. The number of arbitrators shall be one. The arbitrator shall be chosen by agreement between OECD and the Participating Entity or, failing such agreement on the choice of the arbitrator within three months after the request for arbitration, the arbitrator shall be appointed in accordance with the aforementioned Rules at the request of any Party. The language to be used in the arbitral proceedings and submissions shall be English. The place of arbitration shall be Paris, France. The decision of the arbitrator shall be final and not subject to appeal. |

 Made in Paris in two copies on …………………

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| ……………………………………….Andreas SchleicherDirectorDirectorate for Education and Skills, OECD |  |
| ……………………………………….Anthony RottierExecutive DirectorOn behalf of the *OECD* | …………………………………………..Kārlis ŠadurskisMinister for Education and Science of the Republic of LatviaOn behalf of the *Participating Entity* |

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# ANNEX A

# PISA 2018 Technical standards and guidelines

## Purpose of document

 The purpose of this document is to list the set of standards upon which the PISA 2018 data collection activities will be based, as was the case for previous PISA. In following the procedures specified in the standards, the partners involved in the data collection activities contribute to creating an international dataset of a quality that allows for valid cross-national inferences to be made.

 The standards for data collection and submission were developed with three major, and inter-related, goals in mind: consistency, precision and generalisability of the data. Furthermore, the standards serve to ensure a timely progression of the project in general.

* *Consistency*: Data should be collected in an equivalent fashion in all countries, using equivalent test materials. Comparable samples of each country’s student population should perform under test conditions that are as similar as possible. Given consistent data collection (and sufficiently high response rates), test results are likely to be comparable across regions and countries. The test results in different countries will reflect differences in the performance of the students measured, and will not be caused by factors which are un-related to performance.
* *Precision*: Data collection and submission practices should leave as little room as possible for spurious variation or error. This holds for both systematic and random error sources, e.g. when the testing environment differs from one group of students to another, or when data entry procedures leave room for interpretation. An increase in precision relates directly to the quality of results one can expect: The more precise the data, the more powerful the (statistical) analyses, and the more trustworthy the results to be obtained.
* *Generalisability*: Data are collected from specific individuals, in a specific situation, and at a certain point in time. Individuals to be tested, test materials and tasks etc. should be selected in a way that will ensure that the conclusions reached from a given set of data do not simply reflect the setting in which the data were collected but hold for a variety of settings and are valid in the target population at large. Thus, collecting data from a representative sample of the population, for example, will lead to results that accurately reflect the level of literacy of fifteen-year-old students in a country.
* *Timeliness*: Consistency, precision and generalisability of the data can be obtained in a variety of ways. However, the tight timelines and budgets in PISA, as well as the sheer number of participating countries, preclude the option of developing and monitoring local solutions to be harmonized at a later stage in the project. Therefore, the standards specify one clear-cut path along which data collection and data submission should progress.

 This document strives to establish a collective agreement of mutual accountability among countries, and of the international contractor towards the countries. This document details each standard, its rationale, and the quality assurance data that need to be collected to demonstrate that the standard has been met.

 Where standards have been fully met, the international contractors will recommend to the OECD Secretariat that the data be included in the PISA 2018 database. Where standards have not been fully met, an adjudication process will determine the extent to which the quality and international comparability of the data have been affected. The result of data adjudication will determine whether the data will be recommended for inclusion in the PISA 2018 dataset.

 In principle each dataset should be evaluated against all standards jointly. Also, it is possible that countries’ proposed plans for implementation are not, for various and often unforeseen circumstances, actually implemented (e.g. national teacher strike affecting not only response rates but also testing conditions; unforeseen National Centre budget cuts which impact on print and data management quality). Therefore, the final evaluation of standards needs to be made with respect to the data as submitted since this is the definitive indication of what may appear in the released international dataset.

 If any issues with attaining standards are identified, the International Survey Director initiates communication with the National Centre as soon as possible to give advice on resolving problems.

 The PISA standards act as a benchmark of best practice. As such, the standards are designed to assist National Centres and international contractors by explicitly indicating the expectations of data quality and study implementation endorsed by the PISA Governing Board, and by clarifying the timelines of the activities involved. The standards formulate levels of attainment, while timelines and feedback schedules of both the participating countries and the international contractors are defined in the PISA operations manuals.

 As specified in the contracts for the implementation of the seventh cycle of the OECD Programme for International Student Assessment, the international contractors take responsibility for developing and implementing procedures for assuring data quality. Therefore, the international contractors mediate, and monitor the countries’ activities specified in this document, while the adherence to the standards by all international contractors is monitored by the participating countries via the OECD Secretariat.

 Where the technical standards stipulate that variations from the standards require agreement between participating countries and the international contractors, National Project Managers are asked to initiate the process of negotiation and to undertake everything possible to facilitate an agreement. Where agreement between National Project Managers and the international contractors cannot be reached, the OECD will adjudicate and resolve the issues. The OECD will also adjudicate any issues resulting from non-compliance with the technical standards that cannot be resolved between participating countries and the international contractors.

 There are three types of standards in this document; each with a specific purpose:

* Data Standards refer to aspects of study implementation that directly concern the quality of the data or the assurance of that quality. These standards have been endorsed by the Technical Advisory Group and wherever proportions or quantities are specified (for example, response rates), these have been reached through examination of research undertaken or have been reviewed by members of the Technical Advisory Group with the aim of minimising the effect of any potential bias in the data.
* Management Standards are in place to ensure that all PISA operational objectives are met in a timely and coordinated manner.
* National Involvement Standards reflect the expectations set out in the PISA 2018 Terms of Reference that the content of the PISA tests is established in consultation with national representatives with international content expertise. In particular, these standards ensure that the internationally developed instruments are widely examined for cross-national, cross-cultural and cross-linguistic validity and that the interests and involvement of national stakeholders are considered throughout the study.

## Format of the document

 The standards are grouped into sections that relate to specific tasks in the PISA data collection process. For every section, a rationale is given explaining why standard setting is necessary. The standards in each section consist of three distinct elements. First, there are the Standards themselves that are numbered and are shown in shaded boxes. Second, there are Notes that provide additional information on the standards directly. The notes are listed after the standards in each section. Third, there are the quality assurance measures that will be used to assess if a standard has been met or not. These are listed at the end of each section. In addition, the standards contain words that have a defined meaning in the context of the standards. These words are shown in italics throughout the document and are clarified in the Definitions section at the end of the document, where the terms are listed alphabetically.

## Scope

 The standards in this document apply to data from adjudicated entities that include both PISA participants and additional adjudicated entities. The PISA Governing Board will approve the list of adjudicated entities to be included in a PISA cycle.

## Data standards

### 1. Target population and sampling

 Rationale: Meeting the standards specified in this section will ensure that in all countries, the students tested come from the same target population in every country, and are in a nearly equivalent age range. Therefore, the results obtained will not be confounded by potential age effects. Furthermore, to be able to draw conclusions that are valid for the entire population of fifteen-year-old students, a representative sample shall be selected for participation in the test. The size of this representative sample should not be too small, in order to achieve a certain precision of measurement in all countries. For this reason, minimum numbers of participating students and schools are specified.

 The procedures for drawing the samples used in the study are crucial to data quality. The goal of the project is to collect data that are representative for the population at large, in such a way that the reliability of the results can be quantified. To reach this goal the sampling procedures must follow established scientific principles for drawing samples from finite populations.

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| **Standard 1.1** The *PISA Desired Target Population* is *agreed upon* through negotiation between the National Project Manager and the international contractors within the constraints imposed by the definition of the *PISA Target Population*.**Standard 1.2** Unless *otherwise* *agreed upon* only *PISA-Eligible students* participate in the test.**Standard 1.3** Unless *otherwise* *agreed upon,* the *testing period*:* is no longer than eight consecutive weeks in duration for computer-based testing participants,
* is no longer than six consecutive weeks in duration for paper-based testing participants,
* does not coincide with the first six weeks of the academic year, and
* begins exactly three years from the beginning of the *testing period* in the previous PISA cycle

**Standard 1.4** Schools are sampled using *agreed upon*, established and professionally recognised principles of scientific sampling.**Standard 1.5** Student lists should not be collected more than 8 weeks prior to the start of data collection, unless otherwise *agreed upon*.**Standard 1.6** Students are sampled using *agreed upon*,established and professionally recognised principles of scientific sampling and in a way that represents the full population of *PISA-Eligible students*.**Standard 1.7** The *PISA Defined Target Population* covers 95% or more of the *PISA Desired Target Population*. That is, *school-level exclusions* and *within-school exclusions* combined do not exceed 5%. **Standard 1.8** The student sample size for the **computer-based mode** is a minimum of 6300 assessedstudents, and 2100 for *additional adjudicated entities*, or the entire *PISA Defined Target Population* where the *PISA Defined Target Population* is below 6300 and 2100 respectively. The student sample size of assessed students for the **paper-based mode** is a minimum of 5250. **Standard 1.9** The school sample size needs to result in a minimum of 150 participating schools, and 50 participating schools for *additional adjudicated entities*, or all schools that have students in the *PISA Defined Target Population* where the number of schools with students in the *PISA Defined Target Population* is below 150 and 50 respectively. Countries not having at least 150 schools, but which have more students than the required minimum student sample size, can be permitted, *if agreed upon* , to take a smaller sample of schools while still ensuring enough sampled PISA students overall.**Standard 1.10** The final weighted school response rate is at least 85% of sampled eligible and non-excluded schools. If a response rate is below 85% then an acceptable response rate can still be achieved through *agreed upon* use of replacement schools. **Standard 1.11** The final weighted student response rate is at least 80% of all sampled students across responding schools.**Standard 1.12** The final weighted sampling unit response rate for any optional cognitive assessment is at least 80% of all sampled students across responding schools. **Standard 1.13** Unless *otherwise agreed upon*, the international contractors will draw the school sample for the Main Survey. **Standard 1.14** Unless *otherwise agreed upon*, the National Centre will use KeyQuest to draw the student sample, using the list of eligible students provided for each school. |

Note 1.1 Standards 1.1 through 1.14 apply to the Main Survey but not the Field Trial.

Note 1.2 Data from schools where the student response rate is greater than 25% will be included in the PISA dataset.

Note 1.3 For the purpose of calculating school response rates, a participating school is defined as a sampled school in which more than 50% of sampled eligible, non-excluded students respond.

Note 1.4 Acceptable response rates obtained through the use of replacement schools are described in detail in the School Sampling Preparation Manual.

Note 1.5:

Guidelines for acceptable exclusions that do not affect standard adherence, are as follows:

- School level exclusions that are exclusions due to geographical inaccessibility, extremely small school size, administration of PISA would be not feasible within the school, and other agreed upon reasons and whose students total to less than 0.5 % of the PISA Desired Target Population,

- School level exclusions that are due to a school containing only students that would be within-school exclusions and that total to less than 2.0 % of the PISA Desired Target Population, and

- Within-school exclusions that total to less than 2.5 % of the PISA Desired Target Population – these exclusions could include, for example, students not able to do the test because of a functional disability.

Note 1.6 Principles of scientific sampling include, but are not limited to:

- The identification of appropriate stratification variables to reduce sampling variance and facilitate the computation of non-response adjustments.

- The incorporation of an agreed target cluster size of PISA-Eligible students: The minimum acceptable target cluster size is 25 students. In determining the target cluster size for a given country, or stratum within a country, it is necessary to ensure that the minimum sample size requirements for both schools and students will be met.

Note 1.7 Any exceptional costs associated with verifying a school sample taken by the National Centre, or a student sample selected other than by using KeyQuest will be borne by the National Centre.

Note 1.8 Agreement with the international contractor on alternative methods of drawing samples will be subject to the principle that the sampling methods used are scientifically valid and consistent with PISA's documented sampling methods. Where a PISA participating country chooses to draw the school sample, the National Centre provides the international contractor with the data and documentation required for it to verify the correctness of the sampling procedures applied. Where a PISA participating country chooses not to use KeyQuest to draw the student sample, the National Centre provides the international contractor with the data and documentation required for it to verify the correctness of the sampling procedures applied.

 Quality Assurance

* Sampling procedures as specified in the PISA operations manuals
* School sample drawn by the international contractors (or if drawn by the National Centre, then verified by the international contractors)
* Student sample drawn through KeyQuest (or if drawn by other means, then verified by the international contractors)
* Sampling forms submitted to the international contractors
* Main Survey Review

### 2. Language of testing

 Rationale: Using the language of instruction will ensure analogous testing conditions for all students within a country, thereby strengthening the consistency of the data. It is assumed that the students tested have reached a level of understanding in the language of instruction that is sufficient to be able to work on the PISA test without encountering linguistic problems (see also the criteria for excluding students from the potential assessment due to insufficient experience in the language of assessment: within-school exclusions). Thus, the level of literacy in reading, mathematics and science can be assessed without interference due to a critical variation in language proficiency.

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| **Standard 2.1** The PISA test is administered to a student in a language of instruction provided by the sampled school to that sampled student in the major domain (Reading) of the test.If the language of instruction in the major domain is not well defined across the set of sampled students then, if *agreed upon*, a choice of language can be provided, with the decision being made at the student, school, or National Centre level. Agreement with the international contractor will be subject to the principle that the language options provided should be languages that are common in the community and are common languages of instruction in schools in that *adjudicated entity*. If the language of instruction differs across domains then, if *agreed upon,* students may be tested using assessment instruments in more than one language on the condition that the test language of each domain matches the language of instruction for that domain. Information obtained from the Field Trial will be used to gauge the suitability of using assessment instruments with more than one language in the Main Survey. In all cases the choice of test language(s) in the assessment instruments is made prior to the administration of the test. |

### 3. Field Trial participation

 Rationale: The Field Trial gives countries the opportunity to try out the logistics of their test procedures and allows the international contractors to make detailed analyses of the items so that only suitable ones are included in the Main Survey.

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| **Standard 3.1** *PISA* participants participating in the PISA 2018 Main Survey will have successfully implemented the Field Trial. Unless otherwise *agreed upon*:* A Field Trial should occur in an assessment language if that language group represents more than 5% of the target population.
* For the largest language group among the target population, the Field Trial student sample should be a minimum of 200 students per item.
* For all other assessment languages that apply to at least 5% of the target population, the Field Trial student sample should be a minimum of 100 students per item.
* For *additional adjudicated entities*, where the assessment language applies to at least 5% of the target population in the entity, the Field T*rial student sample should be a* minimum of 100 students per item.
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Note 3.1 The PISA Technical Standards for the Main Survey generally apply to the Field Trial, except for the Target Population standard, the Sampling standard, and the Quality Monitoring standard. For the Field Trial a sampling plan needs to be agreed upon.

Note 3.2 The sample size for the Field Trial will be a function of the test design and will be set to achieve the standard of 200 student responses per item.

Note 3.3 Consideration will be given to reducing the required number of students per item in the Field Trial where there are fewer than 200 students in total expected to be assessed in that language in the Main Survey.

### 4. Adaptation of tests, questionnaires and school-level materials

 Rationale: In order to be able to assess how the performance in a country has evolved from one PISA cycle to the other, the same instruments have to be used in all assessments. If instruments differ, then it is unclear whether changes in performance reflect changes in literacy or whether they just mirror the variation in the test items. The same holds true for the assessment instruments that are used within a PISA cycle: To validly compare performance across countries, all assessment instruments have to be as similar as possible. In fact, it is of utmost importance to provide equivalent information to the students in all countries that take part in the study. Therefore, not only the assessment instruments, but also the instructions given to the students and the procedures of data-collection have to be equivalent. To achieve this goal, other individuals who play a key role in the data-collection process, i.e. the test administrators, school coordinators, and school associates, should receive the same information in all participating countries.

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| **Standard 4.1** The majority of test items used for linking are administered unchanged from their previous administration. The computer-based versions include instructions as to the appropriate response mode for each item and may require some minor revision as noted in 4.2 below. **Standard 4.2** All assessment instruments are psychometrically equivalent to the *source versions*. *Agreed upon* adaptations to the local context are made if needed.**Standard 4.3** National versions of questionnaire items used in previous cycles will be administered unchanged from their previous administration, unless amendments have been made to source versions.**Standard 4.4** The questionnaire instruments are equivalent to the *source versions*. *Agreed upon* adaptations to the local context are made if needed.**Standard 4.5** *School-level materials* are equivalent to the *source versions.* *Agreed upon* adaptations to the local context are made if needed.  |

Note 4.1 The quality assurance requirements for this standard apply to instruments that are in an assessment language used as a language of instruction for more than 10% of the target population.

 Quality Assurance

* Agreed upon adaptation to school-level materials using method specified by the international contractor
* Questionnaire Adaptation Spreadsheet (QAS)
* Test Adaptation Spreadsheets (TAS, for paper and computer instruments) and Booklet Adaptation Spreadsheet (BAS, for paper-based booklets only), in which adaptations to assessment units, orientation and help files, common booklet parts and coding guides are documented. For languages that are the languages of instruction for 10% or more of the target population, adaptations will be checked for compliance with the PISA Translation and Adaptation Guidelines by international verifiers, and the verifiers' recommendations will be vetted by the translation referee.
* For languages that are the languages of instruction for 10% or more of the target population: Verifier Reports (statistics generated by the TAS, in combination with a short qualitative report)
* Field Trial and Main Survey ReviewForms.
* Item and scale statistics generated by the international contractors (assessment materials and questionnaires).

### 5. Translation of assessment instruments, questionnaires and school-level materials

 Rationale: To be able to compare the performance of students across countries, and of students with different instruction languages within a country, the linguistic equivalence of all materials is central. While Standards 4.1 to 4.4 serve to ensure that equivalent information is given to the students in all countries involved, in general, the following Standards 5.1 and 5.2 emphasise the importance of language. Again the goal is to ensure that literacy will be assessed, and not variations of information caused by differences in the translation of materials.

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| **Standard 5.1** The following documents are translated into the assessment language in order to be linguistically equivalent to the international source versions. * All administered assessment instruments
* All administered questionnaires
* The Test Administrator script from the Test Administrator (or School Associate) Manual
* The Coding Guides

**Standard 5.2** Unless otherwise agreed upon, school-level materials are translated/adapted into the assessment language to make them functionally equivalent to the international source versions.  |

Note 5.1 The quality assurance requirements for this standard apply to instruments that are in a language that is administered to more than 10% of the target population.

 Quality Assurance

* Agreed upon Translation Plan developed in accordance with the specifications in the PISA operations manuals where the Translation Plan would require double translation by independent translators.
* Agreed Upon Questionnaire Adaptation Spreadsheet (QAS)
* Test Adaptation Spreadsheets (TAS) and Booklet Adaptation Spreadsheet (BAS, for paper-based booklets only), in which adaptations to assessment units, orientation and help files, common booklet parts and coding guides are documented. Adaptations will be checked for compliance with the PISA Translation and Adaptation Guidelines by international verifiers, and the verifiers' recommendations will be vetted by the translation referee.
* Verifier Reports (statistics generated by the TAS, in combination with a short qualitative report)
* Submitted final materials as used in the study
* Field Trial and Main Survey Review Forms
* Item and scale statistics generated by the international contractors (assessment materials and questionnaires)

### 6. Testing of national software versions

 Rationale: Countries must thoroughly test and validate the national software releases that are used to deliver the PISA computer-based instruments in schools, as well as the online questionnaires that are delivered via the Internet.

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| **Standard 6.1** The international contractors must test all national software versions prior to their release to ensure that they were assembled correctly and have no technical problems. **Standard 6.2** Once released, countries must test the national software versions following testing plans to ensure the correct implementation of national adaptations and extensions, display of national languages, and proper functioning on computers typically found in schools in each country.  |

Note 6.1 Errors found during testing should be promptly communicated to the international contractors using agreed-upon problem reporting procedures. These procedures require that testing results are shared with the international contractors in order to monitor the quality of the instruments.

 Quality Assurance

* Detailed testing plans
* Review of testing results

### 7. Technical Support

 Rationale: Countries participating in the computer-based delivery mode will be primarily responsible for resolving PISA-related operational issues in their countries, including hardware issues and provision of technical support to schools and test administrators.

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| **Standard 7.1** Each country should have a designated PISA helpdesk with contact information provided to each of its *test administrators* and school coordinators. **Standard 7.2** The country helpdesk staff must: * be familiar with the PISA computer system requirements applications and training materials,
* be familiar with all national software standards and procedures; and
* attend the *test administrator* training sessions to become familiar with the computer-based assessments and appreciate the challenges faced by schools and *test administrators*.
 |

 Quality Assurance

* National Centre Quality Monitoring
* Field Trial and Main Survey Review Forms

### 8. Test administration

 Rationale: Certain variations in the testing procedure are particularly likely to affect test performance. Among them are session timing, the administration of test materials and support material like blank papers and calculators, the instructions given prior to testing, the rules for excluding students from the assessment etc. A full list of relevant test conditions is given in the school-level materials. To ensure that the data are collected consistently, and in a comparable fashion, for all participants, it is therefore very important to keep the chain of action in the data collection process as constant as possible.

 Furthermore, the goal of the assessment is to arrive at results which cover a wide range of areas. Given the time constraints, any one student is presented only with a certain portion of the test items. Moreover, to preclude sources of random error unforeseen by the test administrators and the test designers, the students taking part in the survey have to be selected a-priori, in a statistically random fashion. Only then will the students participating in the study mirror the population of fifteen-year-old students in the country. The statistical analysis will take this sampling design into account, thereby arriving at results that are representative for the population at large. For these reasons, it is of utmost importance to assign the proper test booklets or computer equivalent to the participants specified beforehand. The student tracking form is central in monitoring whether this goal has been achieved.

 The test administrator plays a central role in all of these issues. Special consideration is therefore given to the training of the test administrators, ensuring that as little variation in the data as possible is caused by random or systematic variation in the activities of test administrators.

 An important part of the testing situation relates to the relationship between test administrators and test participants. Therefore, any personal interaction between test administrators and students, either in the past or in the testing situation, counteracts the goal of collecting data in a consistent fashion across countries and participants. Strict objectivity of the test administrator, on the other hand, is instrumental in collecting data that reflect the level of literacy obtained, and that are not influenced by factors un-related to literacy. The results based on these data will be representative for the population under consideration.

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| **Standard 8.1** All test sessions follow international procedures as specified in the PISA operations manuals*,* particularly the procedures that relate to:* test session timing,
* maintaining test conditions,
* responding to students’ questions,
* student tracking , and
* assigning assessment materials.

**Standard 8.2** The relationship between Test Administrators and participating students must not compromise the credibility of the test session. In particular, the Test Administrator should not be the reading, mathematics, or science instructor of any student in the assessment sessions he or she will administer for PISA. |

Note 8.1 Test Administrators should preferably not be school staff.

 Quality Assurance

* Session Report Forms
* PISA Quality Monitors (only for Main Survey)
* Main Survey Review Form

### 9. Training Support

 Rationale: NPMs or their designees shall participate in a train-the-trainer session conducted by qualified contractor staff. This ensures standardisation of training delivery to test administrators, allows trainers to become familiar with PISA materials and procedures, and informs trainers of their responsibilities for overseeing the PISA testing.

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| **Standard 9.1** Qualified contractor staff will conduct trainer training sessions with NPMs or designees on PISA materials and procedures to prepare them to train PISA test administrators.**Standard 9.2** NPMs or designees shall use the comprehensive training package developed by the contractors to train PISA test administrators.**Standard 9.3** All test administrator training sessions should be scripted to ensure consistency of presentations across training sessions and across countries. Failure to do so could cause errors in data collection and invalidate the results.**Standard 9.4** In-person test administrator trainings should be conducted by the NPMs or designees, unless a suitable alternative is *agreed upon*. **Standard 9.5** PQMs need to successfully complete self-training materials, attend webinars to review and enhance the self-training, and attend the *test administrator* training, *unless otherwise agreed upon*. |

 Quality Assurance

* Participation in trainer training sessions in standardised procedures by qualified contractor staff
* National Centre Quality Monitoring
* Main Survey Review Forms
* Monitored training of PQMs

### 10. Implementation of national options

 Rationale: These standards serve to ensure that for students participating both in the international and the national survey, the national instruments will not affect the data used for the international comparisons. Data are therefore collected consistently across countries, and potential effects like test fatigue, or learning effects from national test items, are precluded.

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| **Standard 10.1** Only *national options* that are *agreed upon* between the National Centre and the international contractors are implemented.**Standard 10.2** Any *national option* instruments that are not part of the core components of PISA are administered after all the test and questionnaire instruments of the core component of PISA have been administered to students that are part of the international PISA sample. |

### 11. Security of the material

 Rationale: The goal of the PISA assessment is to measure the literacy levels in the content domains. Prior familiarisation with the test materials, or training to the test, will heavily degrade the consistency and validity of the data. In the extreme case, the results would only reflect how well participants are able to memorise the test items. In order to be able to assess the competencies obtained during schooling rather than short-term learning success, and to make valid international comparisons, confidentiality is extremely important.

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| **Standard 11.1** PISA materials designated as secure are kept confidential at all times. Secure materials include all test materials, data, and draft materials. In particular:* no-one other than approved project staff and participating students during the test session is able to access and view the test materials,
* no-one other than approved project staff will have access to secure PISA data and embargoed material, and
* formal confidentiality arrangements will be in place for all approved project staff.
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 Quality Assurance

* Security arrangements as specified in the PISA operations manuals or agreed upon variation
* National Centre Quality Monitoring
* PISA Quality Monitors (only for Main Survey)
* Field Trial and Main Survey Review Forms

### 12. Quality monitoring

 Rationale: To obtain valid results from the assessment, the data collected have to be of high quality, i.e. they have to be collected in a consistent, reliable and valid fashion. This goal is implemented first and foremost by the test administrators, who are seconded by the quality monitors. The quality monitors provide country-wide supervision of all data-collection activities.

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| **Standard 12.1** PISA Main Survey test administration is monitored using site visits by trained independent quality monitors.**Standard 12.2** Fifteen site visits to observe test administration sessions are conducted in each PISA participating country/economy, and five site visits in each adjudicated region. **Standard 12.3** Test administration sessions that are the subject of a site visit are selected by the international contractors to be representative of a variety of schools in a country/economy. |

Note 12.1 A failure to meet the Quality Monitoring standard in the Main Survey will lead to a significant lack of quality assurance data for other standards.

Note 12.2 The Quality Monitoring standards apply to the Main Survey but not to the Field Trial.

Note 12.3 The National Centre provides the international contractors the assistance required to implement the site visits effectively. This includes nominating sufficient qualified individuals to ensure that the required number of schools is observed.

 Quality Assurance

* Curricula Vitae of the PISA Quality Monitor nominees forwarded to the international contractors.
* PISA Quality Monitor Reports

### 13. Assembling and printing paper-based materials

 Rationale: Variations in assembly and print quality may affect data quality. When the quality of paper and print is very poor, the performance of students is influenced not only by their levels of literacy, but also by the degree to which test materials are legible. To rule out this potential source of error, and to increase the consistency and precision of the data collection, paper and print quality samples are solicited from National Centres participating in paper-based components in their first cycle of participation.

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| **Standard 13.1**  All paper-based student assessment material will be centrally assembled by the international contractors and must be printed using the final print-ready file and *agreed upon* paper and print quality. **Standard 13.2** The cover page of all PISA test paper-based materials used for students and schools must contain all information as specified by the PISA Governing Board.**Standard 13.3** The layout and pagination of all test paper-based material is the same as in the *source versions*, *unless otherwise agreed upon.***Standard 13.4** The layout and formatting of the paper-based questionnaire material is equivalent to the source versions, with the exception of changes made necessary by national adaptations. |

Note 13.1 For National Centres that have participated in previous cycles, PISA instruments used in previous cycles or from the Field Trial preceding the Main Survey that have been submitted to the previous international contractor can be used for the purpose of agreeing on printing quality where the National Centre indicates that printing and paper of the same standard will be used. Otherwise, National Centres will submit a sample of printed material to the international contractors for agreement, including the cover and selected items as specified in the PISA operations manuals.

Note 13.2 The cover page of all PISA PBA instruments used in schools should contain all information necessary to identify the material as being part of the data-collection process for PISA, and for checking whether the data collection follows the assessment design, i.e. whether the mapping of the student on the one hand, and test booklets and questionnaires, on the other, have been correctly established The features of the cover page referred to in Standard 13.2 are specified in the PISA operations manuals.

 Quality Assurance

* Submitted sample or agreement that quality will be similar to previous cycle or Field Trial versions
* Materials submitted to the international contractors, as described in note 13.1 above.
* Field Trial and Main Survey Review Forms

### 14. Response coding

 Rationale: To ensure the comparability of the data, the responses from all test participants in all participating countries have to be coded following approved coding designs that are presented to both the Field Trial and the Main Survey. Therefore, all coding procedures have to be standardised, and coders have to complete training sessions to master this task.

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| **Standard 14.1** The coding scheme described in the coding guides is implemented according to instructions from the international contractors’ item developers.**Standard 14.2** Representatives from each National Centre attend the international PISA coder training session for both the Field Trial and the Main Survey.**Standard 14.3** Both the single and multiple coding procedures must be implemented as specified in the *PISA operations manuals* (see Note 14.1). These procedures are implemented in all software that countries will be required to use.**Standard 14.4** Coders are recruited and trained following *agreed procedures*. |

**Note 14.1.** Preferred procedures for recruiting and training coders are outlined in the *PISA operations manuals.*

**Note 14.2** The optimum number of Coder Training session participants would depend on factors such as the expertise of National Centre staff, and resource availability.

 Quality Assurance

* Indices of inter-coder agreement
* Field Trial and Main Survey Review Forms

### 15. Data submission

 Rationale: The timely progression of the project, within the tight timelines given depends on the quick and efficient submission of all collected data. Therefore, one single data submission format is proposed, and countries are asked to submit only one database to the international contractors. Furthermore, to avoid potential errors when consolidating the national databases, any changes in format that were implemented subsequent to the general agreement have to be announced.

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| **Standard 15.1** Each *PISA participant* submits its data in a single complete database, unless otherwise *agreed upon.***Standard 15.2** All *data* collected for PISA will be imported into a national database using the Data Management Expert (DME) data integration software provided by the international contractors following specifications in the corresponding operational manuals and international/national record layouts (codebooks). Data are submitted in the DME format.**Standard 15.3** Data for all *instruments* are submitted. This includes the assessment data, questionnaires data, and tracking data as described in the *PISA operations manuals*. **Standard 15.4** Unless *agreed upon*, all data are submitted without recoding any of the original response variables.**Standard 15.5** Each PISA participating country’s database is submitted with full documentation as specified in the *PISA operations manuals.*  |

## Management standards

### 16. Communication with the international contractors

 Rationale: Given the tight schedule of the project, delays in communication between the National Centres and the international contractors should be minimised. Therefore, National Centres need continuous access to the resources provided by the international contractors.

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| **Standard 16.1** The international contractors ensure that qualified staff are available to respond to requests by the National Centres during all stages of the project. The qualified staff:* Are authorised to respond to National Centre queries,
* Acknowledge receipt of National Centre queries within one working day,
* Respond to coder queries from National Centres within one working day,
* Respond to other queries from National Centres within five working days, or, if processing the query takes longer, give an indication of the amount of time required to respond to the query.

**Standard 16.2** The National Centre ensures that qualified staff are available to respond to requests by the international contractors during all stages of the project. The qualified staff:* Are authorised to respond to queries,
* Are able to communicate in English,
* Acknowledge receipt of queries within one working day,
* Respond to queries from international contractors within five working days, or, if processing the query takes longer, give an indication of the amount of time required to respond to the query.
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Note 16.1 Response timelines and feedback schedules for the National Centres and the international contractor are further specified in the PISA operations manuals.

### 17. Notification of international and national options

 Rationale: Given the tight timelines, the deadlines given in the following two standards will enable the international contractor to progress with work on time.

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| **Standard 17.1** Nationaloptions are *agreed upon* with the international contractorsbefore 1 December in the year preceding the Field Trial and before 1 November in the year preceding the Main Survey. **Standard 17.2** The National Centre notifies the OECD Secretariat of its intention to participate in specific international options three months prior to the start of the translation period.  |

### 18. Schedule for submission of materials

 Rationale: To meet the requirements of the work programme, and to progress according to the timelines of the project, the international contractor will need to receive a number of materials on time.

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| **Standard 18.1** An *agreed upon* *Translation Plan* will be negotiated between each National Centre and the international contractors. **Standard 18.2** The *following* items are submitted to the international contractors in accordance with *agreed timelines*:* the Translation Plan
* a print sample of booklets prior to final printing, for countries using the paper-based instruments (where this is required, see Standard 13.1 and Note 13.1),
* results from the national checking of adapted computer-based assessment materials and questionnaires,
* adaptations to school-level materials,
* sampling forms (see Standard 1),
* demographic tables,
* completed Field Trial and Main Survey Review Forms, and
* other documents as specified in the PISA operations manuals.

**Standard 18.3** *Questionnaire* materials are submitted for linguistic verification only after all adaptations have been *agreed upon*.**Standard 18.4** All adaptations to those elements of the school-level materials that are required to be functionally equivalent to the source as specified in Standard 5.2, need to be *agreed upon.*  |

 Quality Assurance

* Agreed upon Translation Plan
* international contractors’ records
* Assessment materials submitted for linguistic verification with corresponding adaptation spreadsheets filled in by the National Centre

### 19. Management of data

 Rationale: Consolidating and merging the national databases is a time-consuming and difficult task. To ensure the timely and efficient progress of the project, the international contractors need continuous access to national resources helping to rule out uncertainties and to resolve discrepancies. This standard aims to prevent substantial delays to the whole project which could result from a delay in processing the data of a small number of participating countries.

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| **Standard 19.1** The timeline for submission of national databases to the international contractors is within eight weeks of the last day of testing for the Field Trial and within eight weeks of the last day of testing for the Main Survey, unless otherwise *agreed upon*.**Standard 19.2** National Centres execute data checking procedures as specified in the *PISA operations manuals* before submitting the database.**Standard 19.3** National Centres make a data manager available upon submission of the database. The data manager:* is authorised to respond to international contractor data queries,
* is available for a three-month period immediately after the database is submitted unless otherwise *agreed upon*,
* is able to communicate in English,
* is able to respond to international contractor queries within three working days, and
* is able to resolve data discrepancies.

**Standard 19.4** A complete set of PISA paper-based instruments as administered and including any *national options*, is forwarded to the international contractors on or before the first day of testing. The submission includes the following:* hard copies of instruments,
* electronic PDF copies of instruments

**Standard 19.5** To enable the *PISA participant* to submit a single dataset, all instruments for all *additional adjudicated entities*will contain the same variables as the primary *adjudicated entity* of the *PISA participant*. |

Note 19.1 :

Each participating country/economy will receive its own national micro-level PISA database (the “national database”), in electronic form and delivered as agreed upon a pre-specified timeline that varies based on their data submission. The national database will contain the complete set of responses from the students, school principals and surveyed participants (parents, teachers) in that country/economy.

Each participating country/economy has access to and can publish its own data after a date that is established by the PISA Governing Board for the publication of the initial OECD publication of the survey results (the “initial international OECD publication”).

The OECD Secretariat will not release national data to other countries/economies until participating countries/economies have been given an opportunity to review and comment on their own national data and until the release of such data has been approved by the national authorities.

A deadline and procedures for withdrawing countries/economies’ national data from the international micro-level PISA database (the “international database”) will be decided upon by the PISA Governing Board. Countries/economies can withdraw data only prior to obtaining access to data from other countries/economies. Withdrawn data will not be made available to other countries/economies.

The PISA Governing Board will discuss with participating countries/economies whose data manifests technical anomalies as to whether the data concerned can be included in the international database. The decision of the PISA Governing Board will be final. Participating countries/economies may, however, continue to use data that are excluded from the international database at the national level.

The international contractors will then compile the international database, which will comprise the complete set of national PISA databases, except those data elements that have been withdrawn by participating countries/economies or by the PISA Governing Board at the previous stage. The international database will remain confidential until the date on which the initial international OECD publication is released.

National data from all participating countries/economies represented in the international database will be made available to all participating countries/economies from the date on which the initial international OECD publication is released.

After release of the initial international OECD publication, the international database will be made publicly available on a cost-free basis, through the OECD Secretariat. The database may not be offered for sale.

The international database will form the basis for OECD indicator reports and publications.

The international contractors will have no ownership of instruments or data nor any rights of publication and will be subject to the confidentiality terms set in this agreement.

The OECD establishes rules to ensure adherence to the above procedure and to the continued confidentiality of the PISA data and materials until the agreed release dates. These include confidentiality agreements with all individuals that have access to the PISA material prior to its release.

As guardian of the process and producer of the international database, the OECD will hold copyright in the database and in all original material used to develop, or be included in, the PISA Field Trial and PISA Main Survey (among them the assessment materials, school-level materials, and coding guides) in any language and format.

 Quality Assurance

* international contractors’ Records

### 20. Archiving of materials

 Rationale: The international contractors will maintain an electronic archive. This will provide an overview of all materials used and ensure continuity of materials available in participating countries across PISA survey cycles, therefore building upon the knowledge gained nationally in the course of the PISA cycles. This will also ensure that the international contractors have the relevant materials available during data cleaning, when they are first required.

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| **Standard 20.1** The international contractors will maintain a permanent electronic archive of all assessment materials, school-level materials and coding guides, including all national versions. **Standard 20.2** The National Project Manager must submit one copy of each of the following translated and adapted Main Survey materials to the international contractors:* a hard copy of all administered Test Instruments, including *national options* (paper-based countries only);
* a hard copy of all administered Questionnaires, including *national options* (paper-based countries only);
* electronic versions of the school-level materials; and
* electronic versions of the Coding Guides.

**Standard 20.3** Unless otherwise requested, National Centres will archive all Field Trial materials until the beginning of the Main Survey, and all Main Survey materials until the publication of the international report. Materials to be archived include:* all respondents’ paper-based test booklets and questionnaires (PBA countries) or USB drives containing completed SDS and all associated data (CBA countries)
* sampling forms,
* student lists,
* student tracking instruments, and
* all data submitted to the international contractors.

After completion of a survey the National Centre will transfer this archive to the international contractors who will compile the national archives from all participants and transfer them to OECD after completion of the Main Survey. |

## National involvement standards

### 21. National feedback

 Rationale: National feedback in areas such as test development is important in maintaining the dynamic and collaborative nature of PISA. National feedback ensures that instruments achieve cross-national, cross-cultural and cross-linguistic validity. It also promotes the inclusion of the interests and involvement of national stakeholders.

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| **Standard 21.1** National Centres develop appropriate mechanisms in order to promote participation, effective implementation, and dissemination of results amongst all relevant national stakeholders.**Standard 21.2** National Centres provide feedback to the international contractors on the development of instruments, domain frameworks, the adaptation of instruments, and other domain-related matters that represent the perspectives of the relevant national stakeholders.  |

Note 21.1 As a guideline feedback might be sought from the following relevant stakeholders: policy makers, curriculum developers, domain experts, test developers, linguistic experts and experienced teachers.

 Quality Assurance

* National Centre Quality Monitoring
* Documented strategies
* List of committees and groups
* Membership records of representative groups and/or committees
* Meeting records of representative groups and/or committees

### 22. Meeting attendance

 Rationale: Attendance at National Project Managers and training meetings is required as these represent a key component of participating in PISA. Important information is shared and discussed and training in data management, sampling, computer systems, and coding is conducted at these international meetings. These also allow for individual consultation and communication with contractors, which is often very helpful.

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| **Standard 22.1** Representatives from each National Centre are required to attend all PISA international meetings including National Project Manager meetings and coder training. Up to 6 international meetings are planned per cycle. * **Standard 22.2** Representatives from each National Centre who attend international meetings must be able to work and communicate in English.
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Note 22.1 The length of these meetings vary from 3 to 5 days.

 Quality Assurance

* Meeting attendance records

## Definitions

 **Additional Adjudicated Entities** - entities in addition to the first and primary entity managed by a PISA participant, where a PISA participant manages more than one adjudicated entity.

 **Adjudicated Entity** - a country, geographic region, or similarly defined population, for which the international contractors fully implements Quality Assurance and quality control mechanisms and endorses, or otherwise, the publication of separate PISA results.

 **Agreed procedures** - procedures that are specified in the PISA operations manuals, or variations that are agreed upon between the National Project Manager and the international contractors.

 **Agreed timelines** - timelines that are specified in the PISA operations manuals, or variations that are agreed upon between the National Project Manager and the international contractors.

 **Agreed upon** - variations and definitions agreed upon between the National Project Manager and the international contractors

 **International contractors website** – The PISA Portal – PISA 2018 project website – can be accessed through the following address: <http://pisa.ets.org/portal>. This website contains the source versions of instruments, manuals and other documents and information relating to National Centres.

 **International Option** – optional additional international instruments or procedures designed and fully supported by the international contractors.

 **KeyQuest** - software developed specifically for the PISA project. The software assists with sampling, student tracking and data submission practices that meet the PISA 2018 technical standards.

 **National Centre Quality Monitoring** – the procedures by which the international contractors monitor the quality of all aspects of the implementation of the survey by a National Centre.

 **National Option** - A national option occurs if:

1. National Centre administers any additional instrumentation, for example a test or questionnaire, to schools or students that are part of the PISA international sample. Note that in the case of adding items to the questionnaires, an addition of five or more items to either the school questionnaire or the student questionnaire is regarded as a national option.

OR

1. National Centre administers any PISA international instrumentation to any students or schools that are not part of an international PISA sample (age-based or grade-based) and therefore will not be included in the respective PISA international database.

 **PISA Defined Target Population** - all PISA-Eligible students in the schools that are listed on the school sampling frame. That is, the PISA Desired Target Population minus exclusions.

 **PISA Desired Target Population** - the PISA Target Population defined for a specific adjudicated entity. It provides the most exhaustive coverage of PISA-Eligible students in the participating economy as is feasible.

 **PISA-Eligible Students** - students who are in the PISA Target Population.

 **PISA Operations Manuals** - all manuals provided by the international contractors. The preparation of the PISA operations manuals will be carried out by the international contractors and will describe procedures developed by the international contractors. The manuals will be prepared following consultation with participating countries/economies, the OECD Secretariat, the Technical Advisory Group and other stakeholders.

 **PISA Participant** - an administration centre, commonly called a National Centre that is managed by a person or persons, commonly called a National Project Manager, who is/are responsible for administering PISA in one or more adjudicated entities. The National Project Manager(s) must be authorised to communicate with the international contractor on all operational matters relating to the adjudicated entities for which the National Project Manager is responsible.

 **PISA Quality Monitor** – a person nominated by the National Project Manager and employed by the international contractors to monitor test administration quality in an adjudicated entity.

 **PISA Target Population** – students aged between 15 years and 3 (completed) months and 16 years and 2 (completed) months at the beginning of the testing period, attending educational institutions located within the adjudicated entity, and in grade 7 or higher. The age range of the population may vary up to one month, either older or younger, but the age range must remain 12 months in length. That is, the population can be as young as between 15 years and 2 (completed) months and 16 years and 1 (completed) month at the beginning of the testing period; or as old as between 15 years and 4 (completed) months and 16 years and 3 (completed) months at the beginning of the testing period.

 **School Co-ordinator** – a person at a school who acts as a liaison between the school and the National Centre to prepare for the assessment in the school.

 **School-Level Exclusions** – contractors’ approved exclusion of schools from the sampling frame because:

* of geographical inaccessibility (but not part of a region that is omitted from the PISA Desired Target Population),
* administration of the PISA assessment within the school would not be feasible,
* all students in the school would be within-school exclusions, or
* of other reasons as agreed upon.

 **School-level Materials** – these materials include:

* School Co-ordinator Manual and Test Administrator Manual (or School Associate Manual)
* Test administration scripts
* Key forms – Student Tracking Form, Session Attendance Form, and Session Report Form

 **Source Versions** – documents provided in English (and, for some documents, French) by the international contractors.

 **Target Cluster Size** - the number of students that are to be sampled from schools where not all students are to be included in the sample.

 **Test administrator** – a person who is trained by the National Centre to administer the PISA test in schools. This person may be a Test Administrator or a School Associate (a School Co-ordinator who also has the role of a Test Administrator).

 **Testing Period** - the period of time during which data is collected in an adjudicated entity.

 **Translation Plan** – documentation of all the processes that are intended to be used for all activities related to translation and languages.

 **Within-school exclusions** - exclusion of students from potential assessment because of one of the following:

* They are functionally disabled in such a way that they cannot take the PISA test. Functionally disabled students are those with a moderate to severe permanent physical disability.
* They have a cognitive, behavioural or emotional disability confirmed by qualified staff, meaning they cannot take the PISA test. These are students who are cognitively, behaviourally or emotionally unable to follow even the general instructions of the assessment.
* They have insufficient assessment language experience to take the PISA test. Students who have insufficient assessment language experience are those who meet all the following three criteria:
* they are not native speakers of the assessment language,
* they have limited proficiency in the assessment language, and
* they have received less than one year of instruction in the assessment language.
* There are no materials available in the language in which the student is taught.
* They cannot be assessed for some other reason as agreed upon.
1. “National” or “national”, when used in “National Project Manager”, “national committee”, “National Centre” or in any other terminology in this Agreement, will be understood to relate to either to a country or an economy, as applicable. [↑](#footnote-ref-2)