MEMORANDUM

Institute of Education Sciences United States Department of Education

Date: December 23, 2019

To: Robert Sivinski, OMB

Through: Kashka Kubzdela, NCES

From: Patrick Gonzales, NCES

Re: Program for International Student Assessment 2021 (PISA 2021) Main Study Recruitment and Field Test Change Request (OMB# 1850-0755 v.24)

The Program for International Student Assessments (PISA) is an international assessment of 15-year-olds which focuses on assessing students' reading, mathematics, and science literacy. PISA was first administered in 2000 and is conducted every three years. The United States has participated in all of the previous cycles and is participating in 2021 in order to track trends and to compare the performance of U.S. students with that of students in other education systems. PISA 2021 is sponsored by the Organization for Economic Cooperation and Development (OECD). In the United States, PISA is conducted by the National Center for Education Statistics (NCES), within the U.S. Department of Education. In each administration of PISA, one of the subject areas (reading, mathematics, or science literacy) is the major domain and has the broadest content coverage, while the other two subjects are the minor domains. PISA emphasizes functional skills that students have acquired as they near the end of mandatory schooling (aged 15 years), and students' knowledge and skills gained both in and out of school environments. PISA 2021 will focus on mathematics literacy as the major domain. Reading and science literacy will also be assessed as minor domains, with additional assessment of financial literacy. In addition to the cognitive assessments described above, PISA 2021 will include questionnaires administered to school principals and assessed students. To prepare for the main study in 2021, PISA countries will conduct a field test in the spring of 2020, primarily to evaluate newly developed assessment and questionnaire items but also to test the assessment operations. The PISA 2021 field test will be conducted in April-May 2020. The PISA 2021 main study recruitment will begin in October 2020 and data collection will be conducted October-November 2021. The request to conduct PISA 2021 main study recruitment and field test was approved in December 2019 (OMB# 1850-0755 v.23). This change request: (1) makes small edits and replaces outdated screenshots of the MyPISA project website with screenshots of the MyPISA system that is now ready for the Field Test data collection, scheduled to begin in Spring 2020; (2) replaces the 2018 PISA Main Study video with the 2021 PISA Field Test Video; and (3) updates the package to remove all references to this change request.

This request does not introduce changes to respondent burden or the cost to the federal government.

A detailed summary of the changes in this submission is provided below.

<u>1. Nonsubstantive text edits and new screenshots for the MyPISA online information collection system</u> <u>to reflect changes made for the PISA 2021 Field Test.</u>

Appendix A-1

Throughout the document: the addition of contact information to all screens and transcripts of screens. That text reads as follows:

If you need help accessing this website, please contact the PISA help desk by phone between 8 a.m. and 8 p.m. Eastern Standard Time at 1-888-638-2597 or email <u>PISAHELP@westat.com</u>.

pp. 16, 20, 65, 69 – new screenshot that accurately reflects the birthdates for student participants for the PISA 2021 Field Test (change from "July 1, 2002 and June 30, 2003" to "January 1, 2004 and December 31, 2004")

p. 72 & 73 – screenshot and text updated with new dates for OMB expiration

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p. 74 – screenshot and explanatory text updated to align with previously provided text on p. A-1-75

This screen is the Welcome page for the MyPISA.us site. It provides overview information about the survey and navigation to specific areas of the site. For the field test, references to the teacher list and the teacher FAQ will be removed. The text of the page as it will appear for MyPISA 2021 is shown on the following page.

pp. 75-76 – minor edits to the wording of the website

PISA is an international assessment that measures student learning in science, mathematics, science reading, and for the upcoming 2021 assessment, financial literacy. The assessment occurs every 3 years (2000, 2003, 2006, 2009, 2012, 2015 and 2018), and provides information about the knowledge and skills of U.S. students in comparison with students in more than 80 countries and education systems.

PISA is intended to provide a measure of students' overall preparedness for the future, not just their academic achievement. Knowing how U.S. students perform on PISA provides us with valuable information on how our education system compares with education systems of the other countries with whom we collaborate and compete in the world economy.

PISA is sponsored by the Organization for Economic Cooperation and Development (OECD), an intergovernmental organization of industrialized countries. In the United States, PISA is managed and conducted by the National Center for Education Statistics (NCES) in), within the U.S. Department of Education, and administered by Westat, a firm located in Rockville, MD.

For more specific information on the upcoming PISA 2021 field test Field Test data collection, please see the FAQs and study brochure with timeline linked below.

- PISA 2021 Field Test Brochure
- PISA 2021 Field Test Information Sheet
- PISA 2021 Field Test School FAQs
- PISA 2021 Field Test Student FAQs
- <u>PISA E-file Instructions</u>
- p. 77 new screenshot, easier to read

p. 80 – new screenshot that accurately reflects the birthdates for student participants for the PISA 2021 Field Test (change from "July 1, 2002 and June 30, 2003" to "January 1, 2004 and December 31, 2004"), along with updated explanatory text

This screen provides the E-file instructions and template and is where the school coordinator will securely upload the completed student list. The birth date range will be changed to "born in 2004".

p. 81 – reorganized text

How to Submit Your Student List

Student E-File Submission - Schools are able to submit student lists for sampling electronically through this website. Download the Excel Student E-File Template (below) and import the list of eligible students into the template for submission. The template contains all the necessary fields for sampling.

Student E-File Template

PISA has also developed other resource documents to use including step-by step instructions, quick checks for preparing and submitting lists, as well as an annotated e-file template. These documents provide information and answers to many common questions about the e-filing process.

E-filing Instructions

Student E-File Annotated Template

Student E-file Quick Checks

E-file you school's student list

It is preferred that you include column headers as the first row in your E-File (see the template above for example). However, E-Files without column headers will be accepted. If you cannot submit your student data with this information in an Excel file, please call or email the PISA help desk at <u>PISAHELP@westat.com</u> or call 1-888-638-2597. These documents, linked to below, provide information and answers to many common questions about the e-filing process.

PISA E-file Instructions

PISA Student e-filing template

Student E-file - Annotated Template

Student E-file Quick Steps

- p. 82 new screenshot, better quality image.
- p. 85 new screenshot and explanatory text, removing reference to the teacher survey

This page lists the activities of the PISA assessment team on assessment day. References to completion of the teacher questionnaire will be removed. The text of the page as it will appear for MyPISA 2021 is shown below.

p. 86 - new screenshot with links to PISA 2021 FT documents

This screen provides information about post-assessment activities such as scoring of assessment data and reporting plans. If the PISA 2018 results are available the links will be updated for PISA 2018. The text of the page as it will appear for MyPISA 2021 is shown on the following page.

pp. 88-89 – new screenshot showing links to PISA 2021 Field Test Documents and deleting reference to Teacher forms, which are not used in the PISA 2021 Field Test

Download your school's Questionnaire Logon Forms and Student and Teacher Tracking Forms Form here: <u>Download SC1</u>

Download your school's Session Attendance Forms here: <u>Download SC2</u>

Important documents and letter templates for the PISA 2018 2021 Field Test and the PISA program in general can be found in the documents below.

File name	Description
<u>Facts for Parents</u>	This document is an editable FAQ for parents that is designed accompany the notification letter.
<u>Parent Implicit Consent</u> Letter and Form	This editable document provides a template for parent implicit consent letter and form for schools to edit based on their local policies.
<u>Parent Notification</u> Letter	This editable document provides a template parent notification letter for schools to edit- based on their local policies. PISA requires all parents to be notified prior to assessment- day. The PISA Sample Parent Notification Letter is a sample document prepared to notify parents of their students' selection. You are encouraged to edit this document to suit your school's needs.
<u>PISA 2021 Field Test</u> Brochure	This PDF provides schools with a timeline, roles, and other assessment administration information.
<u>PISA 2021 Field Test</u> <u>School FAQs</u>	The PDF provides schools with answers to frequently asked questions about student, school, and teacher participation, benefits to participating, and administration of assessment.
<u>-PISA 2021 Field Test</u> <u>Student FAQs</u> <u>PISA</u> 2021 Field Test Student FAQs	This PDF provides students with answers to frequently asked questions about assessment administration, subjects assessed, and benefits to participation.
<u>PISA Student e-filing</u> <u>template</u>	This Excel file provides the column headers and formats that are needed for e-filing your student list
- <u>Student E-file Quick</u> Steps	This document provides quick steps and checks for preparing and submitting your student efile. This is designed to be used as an aide in addition to the e-file instructions.

p. 90 – new "Important Websites" screenshot with links to updated PISA results and presentations.

<u>Presentation for Students - PISA 2021 Field Test</u>: Click this link to play the PISA 2021 Presentation for Students.

p. 92 – new screenshot with contact information. New text is seen below

Contact Us

PISA Test Administrator

No TA designated for your account.

[This field is filled once Test Administrators are hired and assigned to work areas]

Contact by Phone

Contact by Email

PISA Help Desk

<u>Appendix A-2</u> – Although this document will be more thoroughly updated in a change request in May 2020 to reflect the full recruitment strategy for the Main Study, we did update this document with some new screenshots to better reflect the changes made for the Field Test.

pp. 23, 27, 68, 72 – new screenshot that accurately reflects the birthdates for student participants for the PISA 2021 Field Test (change from "July 1, 2002 and June 30, 2003" to "January 1, 2004 and December 31, 2004")

p. 75 & 76 - screenshot and text updated with new dates for OMB expiration

OMB No. 1850-0755, Approval Expires ****/** 12/31**/2022

p. 89, 91 - new screenshot with links to PISA 2021 FT documents

This screen provides information about post-assessment activities such as scoring of assessment data and reporting plans. If the PISA 2018 results are available the links will be updated for PISA 2018. The text of the page as it will appear for MyPISA 2021 is shown on the following page.

p. 93 – new "Important Websites" screenshot with links to updated PISA results and presentations.

<u>Presentation for Students - PISA 2021 Field</u> <u>Test</u>: Click this link to play the PISA 2021 Presentation for Students.

p. 94 – new screenshot with contact information. New text is seen below

Contact Us

PISA Test Administrator

No TA designated for your account.

[This field is filled once Test Administrators are hired and assigned to work areas]

Contact by Phone

Contact by Email

PISA Help Desk

2. New Video for the PISA 2021 Field Test: changes begin on p. 93 of Appendix A-1. The full script, with screenshots, can be seen in Appendix A-1. Below is the full script of the video, with changes highlighted.

PISA 2021 Field Test Student Presentation Video

This presentation video is designed to both inform students of the details and importance of the study and to motivate them to participate and do their best. The presentation video is planned to be approximately 12 9 minutes in length or less. The video provides the following information:

- an overview of what PISA is and its goals internationally;
- describes what students need to do
- demonstrations of how to work with PISA computer-based items; and
- where to find more information about PISA.

For reference, we have provided the PISA 2018 video and script in this package. By December 2019, we will submit a change request to OMB to augment this page with a link to the video and its script. The final video will be captioned.

The link to the PISA 2018 video is <u>https://www.dropbox.com/s/s96grwjmwmnczg8/PISA%202018%20With%20Audio</u> <u>%20Mix%204.19.18.mp4?dl=0</u>

The link to the PISA 2021 field test video is: https://www.dropbox.com/s/x25d29nrsy602q5/PISA %202019%20FINE%20CUT.mp4?dl=0

The final video will be 508 compliant and will include subtitles.

PISA 2018 2021 Field Test Student Video Script

Welcome, and thank you for attending this presentation on PISA, the Program for International Student Assessment. Congratulations! You are among a select few students from across the nation that will join students from nearly more than 80 countries and education systems around the world participating in PISA. This presentation will provide some background information and what you can expect on assessment day. To get started let's look at a brief overview of what is PISA.

[OECD video segment:]

What is PISA? PISA is an acronym that stands for the Program for International Student Assessment. It's the brainchild of the OECD - and what's the OECD? It's another acronym that stands for the Organization for Economic Cooperation and Development. The OECD brings together 34 countries with the aim of developing better policies for better lives.

In the late-1990s, countries that are members of the OECD came up with the idea to measure whether 15 yearolds around the world are well-prepared to participate in society. We chose 15 year-olds, rather than 12 or 17 year olds, because most 15 year olds are about to complete their compulsory education.

Experts in the field of education from around the world work together to create a two-hour test that focuses on core subjects, like reading, mathematics, and science. Participating countries decided to administer this test every three years and to rotate the main focus of the test among the three core subjects.

All very well, but testing students is nothing new, so what's so special about PISA?

PISA surveys are designed to find out whether students can use what they have learned in school and apply that knowledge to real-life situations and problems. PISA is less interested in knowing whether the students can repeat - like parrots - what they have been taught in class. Rather, the survey is designed to find out whether, for example, students can use the reading skills they have learned at school to make sense of the information they find in a book, a newspaper, on a government form, or in an instruction manual.

But the point of PISA is not to tell each individual student how well he or she has mastered a set of skills. Instead, PISA results are analyzed and extrapolated to the national level.

Picture one student sitting at a desk in a classroom somewhere taking the PISA test. Now, zoom out as though you're on the space shuttle and you can see the entire country in which that student is sitting. That's what PISA does with its test results.

Adding on to what you just heard....

PISA is the world's largest international education study with more than 500,000 students participating in each cycle.

It measures how well 15-year-old students apply what they've learned in and out of school to real-world problems in reading, science, mathematics, and financial literacy.

PISA provides information about how well students in the United States are performing in comparison to students in countries around the world.

So, which countries participate in the largest international education study in the world? To understand how far-reaching PISA is, let's take a look at this map.

You can think of PISA as an Olympics of the mind. Countries and education systems from every continent, except Antarctica, participate in PISA – in total of more than 80 countries and education systems participate in PISA.

You can think of PISA as an Olympics of the mind. The National Center for Education Statistics website provides a list of each of the countries and education systems that are in PISA this cycle and provides a historical look at participation. You'll notice that many countries participate in PISA every cycle, while some countries participate in certain cycles but not others. Countries like Argentina, Australia, Brazil, Canada, Denmark, Finland, France, Germany, Ireland, Italy, Israel, Japan, Korea, Malaysia, Mexico, the Netherlands, Norway, Spain, Sweden, the United Kingdom and United States take part in PISA most every cycle. In total, nearly 80 countries and education systems will participate in PISA 2018 participating, and provides a look at historical participation in PISA.

In the United States, certain states participate as individual education systems. North Carolina and Massachusetts participated in PISA 2015 as separate education systems.

Who participates in PISA within the United States? PISA samples schools across the country to participate take part in the assessment. Not every school in every state is asked to participate, since PISA relies on a sample of students and schools to represent all the students and schools like them across the country.

In the United States, approximately 8 only about 3,000 students were scientifically sampled to participate in selected for the PISA 2021 field test. The PISA 2021 field test, conducted in the spring of 2020, is a small scale trial run of the PISA 2021 assessment.

On assessment day, you will be asked questions in two or three subjects — either -- math, reading, science, math, or financial literacy. The questions will be based on real-life situations. Remember, PISA is about applying the knowledge you have learned in and out of school, and not just memorizing facts. In a few moments we will go over some example show you a sample PISA items.

PISA is completely computer-based. Assessment questions will be multiple-choice and short-answer. There are no essays or extended writing responses.

After the main assessment, you will be asked to complete questions about your background attitudes and experiences in school, experience with financial matters and your familiarity with information and communication technology. This helps policymakers learn more about students' experiences and attitudes and how they relate to students' level of knowledge and skills.

Because no one student takes the entire assessment, unlike many tests you take, you will not get your own score on PISA.

PISA takes place at your school. You will be excused from class to during the PISA assessment. Now let's take a look at some example items from previous PISA tests and what you can expect to see on assessment day.

Video of PISA 2015 released items & assessment demo

On assessment day, you will receive a logon form, your school and name will be preprinted on the form alongwith your student ID and password for accessing your individual assessment.

Enter your student ID and password in the appropriate places to begin the assessment, when instructed.

Let's Now, let's take a look at an example interactive science item from PISA 2015, Running in Hot Weather. previous PISA tests, and what you can expect to see on assessment day.

PISA items are presented in a layout in which the question, or description of the problem, is presented on the left side of the screen.

[highlight the left panel where question text is presented.]

and the information you will use to answer the question is provided on the right side of the screen.

[highlight the right panel where simulation is presented.]

Many of the science PISA questions are designed to simulate experiments, letting you manipulate different variables such as temperature, water intake, and humidity, or conditions to produce data that will help you answer the question. determine, for example, if a runner will experience dehydration or heat stroke.

[[Zoom in and focus on question, defocus and darken rest of screen]]

In most items, like this item, the question is presented on the left and the simulation controls are located on the right. After reading the prompt and the question, you determine that the effect of drinking water during a run needs to be examined to figure out how it may impact the runners risk of dehydration and heat stroke.

Drinking water [[Circle drinking water]] is the variable that will need to be manipulated.

Notice the green star on the lower left of the screen [[point arrow]]. In many simulations you must select rows of data from tables to support your answer and receive full credit.

To answer this question, "what would be the effect of drinking water during the run on the runner's risk of dehydration," you must first read the prompt to learn what conditions the runner is facing. Set the other variables, 'air temperature' and 'humidity' to the conditions stated in the prompt – 35 degrees Celsius and 60-percent humidity.

[[Box in Air humidity and air temp on right side, then set to 60 and 35 respectively]].

Next, click run to get the results.

Next, change the drinking water to 'no' and run again.

Now you have all the data you need, in the table below, to determine the effect of drinking water on the risk of a runner experiencing dehydration or heatstroke.

[select two rows of data] After you've run the simulation, select the two rows of data that support youranswer. You'll notice that water loss for a runner, when not drinking water, in the second row is greater than the 2% threshold indicated above, and that by drinking water, water loss is zero, as indicated in the first row.

Looking at the risk of heat stroke threshold [[lighten and focus on heatstroke in upper right]] ...

...and the body temperature data in the table, you can see that the risk of heatstroke remains regardless of water intake.

Therefore, the answer to this question is drinking water would reduce the risk of dehydration but not heatstroke. Select the answer on the left....

... and click the right arrow at the top to move onto the next question.

To answer questions, you will select an answer from a list of possible answers or enter a short a response.

At the top of the screen, there are other tools available to you to answer PISA questions, including:

[highlight the top bar of the screen.]

An indicator that shows your current progress in the assessment,

[highlight the green and white bars next to the PISA 2021]

A timer that shows you how much time you have left to work,

[highlight the circle]

Navigation buttons that take you to the next question or back to the previous question.

Let's take a look at some websites that provide additional PISA items from previous cycles. The National Center for Education Statistics, NCES, which is responsible for PISA in the United States, maintains a website with most of the released items from PISA to date:

[[go to http://nces.ed.gov/surveys/pisa/ start video at landing page and clicking on PISA Released Assessment-Items]]

Here you will find paper-versions of items

[highlight the arrows]

And, for some items, if you see a question mark near the arrow buttons, there is additional information available to you in a Help Screen.

[highlight the question mark]

[Transition to the NCES PISA study site. No voice. See next screen.]

[Highlight the NCES PISA web address.]

The International studies website at NCES has questions that are similar to the ones you will take during the PISA test.

[Website address shrinks back and study page is clear]

There are a few computer items that can be shared publically. Assessment items that are scheduled to be used again cannot be shared publically because they are confidential, and doing so would jeopardize the results.

On the NCES released items page, you can click on the word version or PDF version of released items.

Let's click on the reading PDF to get an idea of what PISA reading items look like [[open pdf of readingitems]].

The PDF is designed to be accessible and can be navigated through by clicking on the bookmarks. Sticking with the running theme, let's take a look at 'runners' [[click on runners after opening PDF].

While this is not a computer-based item, it is organized in the same way.

First there is a passage of text, or stimulus. This one being about world footballers' shoes, ...

[scroll through questions] ...and then 4 questions related to the text passage.

In the computer based assessment, you will be able to flip pages and navigate mock webpages. The format of the questions range from multiple choice to short answer. Again, there are no essay questions.

[[Go to questionnaires]]

In addition to the assessment items, NCES website also contains general information about PISA, and questionnaires from previous cycles. Let's take a look at the student questionnaire that was administered in 2015.

The 2018 version of the questionnaire is very similar.

The student questionnaire is designed to collect information about you, and your experiences in school.

Another PISA resource with released assessment items and recent PISA results is the OCED Website.

[From the NCES website, go to OECD international website <u>https://www.oecd.org/pisa/test/</u>]

The OECD website for PISA includes interactive maps, ...released items, ...and other PISA information and videos.

Your participation You play a crucial role in PISA is critical for the success of the study. You PISA because you are the most important part!

Each student who participates takes part represents thousands of students across the nation.

Your participation can help improve the U.S. education system for future students. By participating in this assessment,

AND you are also performing a national service. And wait, there's more.....

As a thank-you for participating:

You will receive a Certificate of Volunteer Service awarding you 4 hours of service time.

And you You can also mention your participation in PISA on future resumes and college applications as an important assessment to which you contributed.

There is a lot of information about PISA. It is most easily found on the PISA website at the National Center for Education Statistics.

Thank you for your time and participation in PISA. Your PISA School Coordinator or Test Administrator will now share with you the details of when PISA will be happening in your school.

<u>3. Updates the package to remove all references to this change request and bring administrative text up-to-date.</u>

Part A

(p. 3) Field test and main study recruitment materials, including letters to state and district officials and school principals, and text for a PISA field test brochure, summary of activities, and "Frequently Asked Questions" are provided in Appendix A. Parental consent letters and related materials for the field test are provided in Appendix B (main study materials will be based on these, but will reflect the main study design and components to be administered). The final U.S.-adapted versions of the international field test questionnaires are provided in Appendix C. By December 2019, we will submit a change request to provide updated materials, including new screenshots of the reprogrammed MyPISA website and an updated video script for PISA 2021. (See Appendices A-1 and A-2 for more details.)

Appendix A-1

(p. 2) Throughout this document are screenshots that show the web content of MyPISA.us for schools and school coordinators from the main study in PISA 20182021 field test, along with text for the PISA 2021 field test. The last section of this document, "MyPISA project website for School Coordinators and schools," documents the contents of the website most extensively, but MyPISA screenshots also appear throughout the sections, "Instructions for School Coordinators to E-file student lists," and "PISA 2021 Field Test School Coordinator Handbook". The systems for the PISA 2021 main study are not yet active, but will not change other than references to the current round of PISA and updates to the specifics of the main study, such as the

appropriate birth year of students within the sample, the number of students to be sampled, and removal of teacher information pertaining to teacher participation in the questionnaire. MyPISA.us is described in Part B of the main study package.

Updated screenshots and, if necessary, any updated text will be provided in a change request by December-2019, including an updated video script for PISA 2021.

The systems for the PISA 2021 Field Test are active, but will need to change slightly to update references to the PISA Main Study, such as the appropriate birth year of students within the sample and the number of students to be sampled. These changes will be made to Appendix A-2 Main Study Recruitment Materials in change requests by May 2020.

(p. 71) The following screenshots have been updated for the PISA 2021 field test and show the web content of MyPISA.us for schools and school coordinators from the main study in PISA 2018 with updated with text following for each screen shown below the screen. The systems for the PISA 2021 field test are not yet active, but will not change other than references to the current round of PISA and updates to the specifics of the field test, such as number of students to be sampled and removal of teacher information pertaining to teacher participation in the questionnaire.

MyPISA.us is described in Part B of the main study package.

Updated screenshots and, if necessary, any updated text will be provided in a change request by December-2019. The text displayed below each screenshot in this section is the text as it will appear on MyPISA.us for-PISA 2021.

Appendix A-2

(p. 2) Throughout this document are screenshots that show the web content of MyPISA.us for schools and school coordinators from the main study field test in PISA 2020 18, along with text for the main study for PISA 2021. The last section of this document, "MyPISA project website for School Coordinators and schools," documents the contents of the website most extensively, but MyPISA screenshots also appear throughout the sections, "Instructions for School Coordinators to E-file student lists," and "PISA 2021 Main Study School Coordinator Handbook". MyPISA.us is described in Part B of the main study package. The systems for the PISA 2021 main study field test are active, but will not need to change slightly to update other than references to the PISA main study and updates to the specifics of the main study, such as the appropriate birth year of students within the sample and the number of students to be sampled. and removal of teacher information pertaining to teacher participation in the questionnaire.

Updated screenshots and, if necessary, any updated text will be provided in a change request by December-2019. Updated screenshots and, if necessary, any updated text will be provided in a change request by May 2020. That change request will also add the Main Study version of the 2021 PISA Field Test recruitment video, as seen beginning on p. 93 of Appendix A-1, and may include some updated versions of other materials currently found in Appendix A-1 but not included here.

(p. 74) Updated screenshots and, if necessary, any updated text will be provided in a change request by December 2019 May 2020. The text displayed below each screenshot in this section is the text as it will appear on MyPISA.us for PISA 2021.