

National Assessment Governing Board
Assessment Development Committee
Report of August 6-7, 2015

August 6, 2015

Closed Session: 8:30 a.m. – 3:30 p.m.

Assessment Development Committee (ADC) Members: Shannon Garrison (Chair), Cary Sneider (Vice Chair), Frank Fernandes, Doris Hicks, Dale Nowlin, Chasidy White.

Governing Board Staff: Mary Crovo, Michelle Blair, Bill Bushaw.

Other Attendees: AIR: Alka Arora, Kim Gattis. ETS: Jay Campbell, Gloria Dion, Greg Vafis. HumRRO: Steve Sellman. Pearson: Scott Becker, Ross Vogt, Cathy White.

Review of NAEP Mathematics Pilot Items for 2017

In accordance with the provisions of exemption (9)(B) of Section 552b(c) of Title 5 U.S.C., the Assessment Development Committee (ADC) met in closed session on August 6, 2015 from 8:30 a.m. to 3:30 p.m. to review secure NAEP test questions.

The Assessment Development Committee (ADC) reviewed newly-developed mathematics questions for grades 4 and 8 in preparation for the 2016 NAEP pilot test, in preparation for the 2017 operational assessment. These questions were developed for administration in the digital-based platform using computer tablets. The ADC had a number of questions and revisions to the mathematics items, but in general the Committee members were very impressed with the quality of the items, the range of content, and new opportunities to assess important mathematics skills now possible in the digital-based assessment (DBA) platform.

The ADC also reviewed DBA writing prompts for the 2016 pilot in grades 8 and 12, in preparation for the 2017 operational assessment. NAEP's first computer-based writing assessment was conducted on laptops in 2011. In 2017 this assessment is transitioning to the DBA tablet platform. The ADC had many positive comments on these new writing prompts, and also some revisions.

August 7, 2015

Open Session: 10:15 a.m. – 11:10 a.m.

Assessment Development Committee (ADC) Members: Shannon Garrison (Chair), Cary Sneider (Vice Chair), Frank Fernandes, Doris Hicks, Dale Nowlin, Susan Pimentel, Chasidy White.

Governing Board Staff: Mary Crovo.

NCES Staff: Peggy Carr, Alison Deigan, Dana Kelly, Eunice Greer, Elvira Germino Hausken, Holly Spurlock, Brad Thayer, Ebony Walton, William Ward.

Other Attendees: AIR: Kim Gattis, Teresa Neidorf, Fran Stancavage. ETS: Jay Campbell, Robert Finnegan, Greg Vafis. CRP: Edward Wofford. Hager Sharp: Joann Lim. Fulcrum: Michael Slattery. CCSSO: Fen Chou. HumRRO: Sheila Shulz. Pearson: Scott Becker, Ross Vogt, Cathy White. Westat: Greg Binzer.

1. Update on 2014 NAEP Technology and Engineering Literacy (TEL) Assessment

The ADC received an update on the TEL reporting website, which is under development for an early 2016 release of the TEL results. This release will follow the Board's scheduled action on the TEL achievement levels in November 2015. NAEP administered the first-ever TEL assessment in early 2014 to a nationally representative sample of more than 20,000 eighth graders in public and non-public schools.

Robert Finnegan of ETS presented some updated screen shots from the planned TEL Report Card website, which did not display any secure data or released items since this portion of the meeting was an open session. Both the ADC and the Reporting and Dissemination Committee (R&D) had provided substantial comments on earlier versions of the TEL website design. Most of those comments have been addressed in the updated version. Several outstanding issues relate to ensuring the TEL report website encourages users to scroll down to see additional important information. The TEL icons for each task should appear in the first half of the screen to make it easy for users who wish to view the tasks. Additionally, the ADC requested that the website include a link to the TEL video narrated by former ADC Chair Alan Friedman, along with a note acknowledging Alan's significant contributions to the NAEP Technology and Engineering Literacy Assessment.

In terms of next steps, both the ADC and R&D need to review and provide feedback on a working prototype of the website in the near future. The screen shots are helpful, but they do not allow members to explore the full functionality of the website. Board and NCES staff will coordinate this review to occur prior to or during the November 2015 Board meeting, to ensure the timelines allow for Board input on the prototype website well in advance of the TEL Report Card release.

2. Update on NAEP/NGSS Comparison Study Presentation at the National Conference on Student Assessment

Cary Sneider, ADC Vice Chair, summarized the session he moderated at the National Conference on Student Assessment (NCSA) in June. The NCSA is an annual assessment conference sponsored by the Council of Chief State School Officers (CCSSO). The panel presentation focused on results of a study by AIR on the comparison between the NAEP Science, TEL, and Math Frameworks and the Next Generation Science Standards (NGSS). There was significant overlap between NAEP Science and TEL, and NGSS. Cary noted the 2014 TEL results will be an important baseline for implementation of the NGSS, which have been adopted by 14 states to date. Other states are working on adoption of these standards. In terms of the NAEP/NGSS comparison study, next steps should include developing a brief overview of the findings and performing a study to conduct an item-level comparison. Staff will follow-up on these and other recommendations.

Closed Session: 11:10 a.m. - 12:25 p.m.

Assessment Development Committee (ADC) Members: Shannon Garrison (Chair), Cary Sneider (Vice Chair), Frank Fernandes, Doris Hicks, Dale Nowlin, Chasidy White.

Governing Board Staff: Mary Crovo.

NCES Staff: Alison Deigan, Dana Kelly, Eunice Greer, Elvira Germino Hausken, Holly Spurlock, Brad Thayer, William Ward.

Other Attendees: AIR: Kim Gattis, Teresa Neidorf, Fran Stancavage. ETS: Jay Campbell, Robert Finnegan, Greg Vafis. CRP: Edward Wofford. Hager Sharp: Joann Lim. Fulcrum: Michael Slattery. HumRRO: Sheila Shulz. Pearson: Scott Becker, Ross Vogt, Cathy White. Westat: Greg Binzer.

3. Update on NAEP Digital-Based Assessments

In accordance with the provisions of exemption (9)(B) of Section 552b(c) of Title 5 U.S.C., the Assessment Development Committee (ADC) met in closed session on August 7, 2015 from 11:10 a.m. to 12:25 p.m. to receive a briefing on NAEP's transition to digital-based assessment. This briefing included discussion of secure NAEP test questions and data. The ADC also reviewed secure NAEP DBA reading items in grades 4 and 8 for the 2016 pilot, in preparation for the 2017 operational assessment.

Eunice Greer of NCES briefed the ADC on the digital-based assessment (DBA) item development work in reading, mathematics, U.S. History, Geography, and Civics. The presentation included discussion of secure NAEP items and data.

Much work has occurred since the ADC's last update in March 2015. NCES and NAEP contractors have revised all scoring guides to align with the DBA items, examined inter-rater reliability from scoring the 2015 DBA pilot items, and conducted several special studies to examine factors related to the DBA assessments. The results are very promising in terms of moving ahead with DBA.

The ADC was particularly interested in new ways to capture and display the "click-stream" of student responses to various types of DBA items. These innovative digital displays will be very informative for teachers and curriculum experts to view the way students answer questions about reading passages or solve math problems. The ADC looks forward to hearing more about this work at its November 2015 next meeting, in addition to updates on DBA item development activities.

Following the DBA briefing, the ADC had time in closed session to review secure DBA reading items for grades 4 and 8 for the 2016 pilot, in preparation for the 2017 operational assessment.

Open Session: 12:25 p.m. - 12:30 p.m.

In open session, the Committee took the following action under the ADC's delegated authority for item review and approval:

ACTION: The ADC approves the pilot items in mathematics and reading (grades 4 and 8), and writing (grades 8 and 12), with deletions and revisions to be communicated to NCES in writing.

I certify the accuracy of these minutes.



Shannon Garrison, Chair

8-24-15

Date