

# National Assessment Governing Board

## Assessment Development Committee

August 1 - 2, 2019

### AGENDA

#### Thursday, August 1

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12:30 – 12:45 pm	Welcome and Introductions <i>Carol Jago , ADC Chair</i>  Remarks from Outgoing ADC Members <i>Cary Sneider, ADC Vice Chair</i> <i>Dale Nowlin, ADC Member</i>	
12:45 – 1:45 pm	<b>Closed Session</b> Feasibility Considerations for NAEP Mathematics (SV #5) <i>Samantha Burg, NCES</i>	Attachment A
1:45 – 2:45 pm	Committee Recommendations for the NAEP Mathematics Framework Update (SV #5) <i>Carol Jago and ADC Members</i>	Attachment B
2:45 – 3:00 pm	ADC Activities in the Strategic Vision <i>Carol Jago</i> <i>Michelle Blair, Assistant Director for Assessment Development</i>	Attachment C

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#### Friday, August 2

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11:00 – 11:30 am	Committee Recommendations for the NAEP Mathematics Framework Update (SV #5) – continued <i>Carol Jago and ADC Members</i>	
11:30 am – 12:00 pm	NAEP Resources and Information for Educators: Principles for Action (SV #3, SV #6) <i>Shannon Garrison, Los Angeles Unified School District</i>	Attachment D
12:00 – 1:00 pm	<b>Closed Session</b> Overview of NAEP Reading Item Pool (SV #5) <i>Eunice Greer, NCES</i>	Attachment E
Information Item	Item Review Schedule	Attachment F

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## **FEASIBILITY CONSIDERATIONS FOR NAEP MATHEMATICS**

To inform Committee discussions regarding the NAEP Mathematics Framework and to inform the guidance the Committee will provide to the Framework Development Panel, NCES will summarize operational issues relative to the public comment draft of the 2025 NAEP Mathematics Framework, including trend considerations. The presentation will also summarize how previous NCES research and development relates to aspects of the draft framework.

## **COMMITTEE RECOMMENDATIONS FOR THE NAEP MATHEMATICS FRAMEWORK**

The Assessment Development Committee (ADC) met in July 2019 via teleconference to discuss guidance to the NAEP Mathematics Framework Update Development Panel in light of issues raised during public comment. In this session, the ADC will discuss whether additional refinement to the Committee's guidance is needed, based in part on NCES' feedback regarding feasibility considerations (previous session). On Friday, the ADC will discuss whether refinement is warranted based on the full Board discussion (early Friday morning.).

The Committee's guidance is intended to direct the panel on key policy issues, allowing the next draft of the framework to be responsive to Board concerns. See the NAEP Mathematics Framework Update tab for a copy of the public comment summary and the latest draft of the framework.

## ADC ACTIVITIES IN THE STRATEGIC VISION

The ADC develops recommendations for what NAEP should assess and exercises final authority over all NAEP items. Several activities in the Governing Board Strategic Vision call for ADC's leadership. These projects involve informing educators, updating policies, and exploring new approaches to framework updating, as well as projects to review and update frameworks as needed. A working draft of ADC's project plans is attached, along with a summary of common elements for each framework project.

### Ongoing Committee Discussions

Recent ADC discussions have raised several issues for ongoing discussion as the Committee leads Strategic Vision activities and prepares content recommendations for Board deliberation and action (May 2019 addition **highlighted**):

- The optimal role of NAEP for each content area.
- How Board and Committee priorities should be reflected in upcoming framework updates.
- **How to clarify the context of each framework and how the Board has chosen to navigate this context.**
- Extent to which current frameworks are flexible enough to adapt as needed.
- The level of specificity in assessment results that is most useful to policymakers, researchers, and educators.
- How future NAEP items will be a resource for the field.
- Expected gains and losses to the field for each NAEP framework decision.
- How to establish and maintain partnerships that highlight actionable aspects of results, e.g., teacher access to released NAEP items and contextual information.
- How to develop viable options for new configurations of NAEP assessment content in ways that balance expertise, outreach, research, and trends in curricular standards.
- How to incorporate how other countries think about changing what they assess.
- Whether to more deeply assess an existing content area or add new content areas.
- Whether streamlining of NAEP frameworks is an appropriate goal.
- How to be intentional about content overlap between different assessments, while fulfilling statutory requirements, e.g., biennial reading and mathematics assessment.

**WORKING DRAFT\* PLAN: ALL ADC STRATEGIC VISION (SV) ACTIVITIES***UPDATES SINCE MAY 2019 ARE HIGHLIGHTED*

ACTIVITY	START	FINISH	STATUS
Identify NAEP Resources & Information for Educators (SV #3 Expanding NAEP Resources and SV #6 Contextual Variables)	May 2017	Nov 2021	ADC discussed NAEP Questions Tool and contextual variables in 2017. Suggestions for new or refined NAEP resources can be shared with R&D for Board outreach. In March 2019, the ADC discussed development of a set of principles to guide questionnaire revisions in ways that make them actionable, reflecting the Board's expectations for how NAEP data should be used. To be determined: when/how to develop ADC recommendations. In August 2019, discussion on this topic will continue.
Update Framework Development Policy	Jun 2017	Mar 2018	ADC began revising policy in Summer 2017. Board discussion continued in November 2017. Board adopted the revised policy in March 2018.
Review & Update <b>Mathematics</b> Framework for 2025 Assessment	Aug 2017	Mar 2025 <sup>1</sup>	State math standards review began in August 2017. Results were shared in May 2018 ADC Framework Review, which also engaged external expert commentary. ADC prepared a framework recommendation for Board action, and it was unanimously adopted in August 2018. The framework contractor <sup>2</sup> for the Math Framework Update project was secured in Summer 2018. The Board will review a draft framework when public comment is being collected in Spring 2019. Board action is slated for Summer/Fall 2019, allowing NCES to conduct development leading to a 2025 administration of the updated assessment.
Review & Update <b>Reading</b> Framework for 2025 Assessment	Oct 2017	Mar 2025 <sup>1</sup>	ADC Framework Review was held in March 2018 to inform development of recommendations for a Fall 2019 framework update project launch. In August 2018, the ADC prepared a draft framework recommendation for Board action. Discussion will continue at the November 2018 Board meeting, so the recommendation can be finalized for Board action in March 2019.

\* All timelines are estimated. This draft will be updated based on Board policy decisions. All activities address *Strategic Vision Priority #5 Updating Frameworks*, unless otherwise noted. Factors contributing to the sequencing of framework projects include how recently the last framework update was conducted, staff capacity, timing of the next administration on the NAEP Assessment Schedule, and urgency of the update.

<sup>1</sup> Timeline includes administering the assessment.

<sup>2</sup> The mathematics framework project will be implemented by the same contractor as the reading framework project, on staggered schedules so that most of the mathematics project is completed by the time the reading project begins.

# WORKING DRAFT\* PLAN: ALL ADC STRATEGIC VISION (SV) ACTIVITIES

UPDATES SINCE MAY 2019 ARE **HIGHLIGHTED**

ACTIVITY	START	FINISH	STATUS
Explore New Approaches to Framework Update Processes (also <i>SV #8 International Assessments</i> )	Nov 2017	Aug 2023	The Board's Technical Services contractor is developing several resources to assist in exploring innovations in how NAEP assessment updates are implemented. Framework Update Projects will review other countries' assessment programs to inform frameworks, framework processes, contextual data, and reporting.
Update Item Development Policy	Aug 2018	Aug 2020	The ADC began discussing goals for the policy revision in August 2018. In 2019, an expert panel will be convened to gather insights regarding best practices in assessment development.
Review & Update <b>Civics, Geography, and U.S. History</b> Frameworks	Mar 2018	TBD	Discussion of outreach began in March 2018, with suggestions to develop options for the ADC to consider. In August 2018, ADC review of the current NAEP item pools indicated that framework revisions did not need to be fast-tracked. Framework reviews will begin in 2019, which will include external expert commentary.
Review & Update <b>Economics</b> Framework	TBD	TBD	Depending on ADC recommendations and Board Assessment Schedule decisions, Economics may or may not be a standalone project.
Review & Update <b>Science and Technology &amp; Engineering Literacy (TEL)</b> Frameworks	TBD	TBD	Discussion of outreach began in March 2018, Tentative next steps: learn more about standards in NGSS non-adopter states and learn whether stakeholders view that some or all of the TEL subarea on Technology & Society addresses student achievement goals in Civics, Geography, U.S. History, or Economics.
Review & Update <b>Writing</b> Framework	TBD	TBD	Initial discussion regarding the Writing Framework slated for 2021.
Develop Content Descriptions for the Long-Term Trend (LTT) Mathematics and Reading Assessments ( <i>SV #7 Long-Term Trend</i> )	TBD	TBD	March 2018 Executive Committee deliberations on LTT called for ADC to develop content descriptions of the assessments to support LTT item development, as well as updates to the Governing Board LTT policy and improved explanations of LTT assessment goals. ADC requested these descriptions also illuminate knowledge and skills of lower performing students, if possible. NCES has already developed a list of measurement objectives for LTT Mathematics, and similar work may be possible for Reading. Board staff is using these inputs to begin development of the LTT content descriptions.

## Common Elements of Each Framework Update Project

Based on the revised [Framework Development Policy](#), several milestones address all NAEP assessment framework projects. Framework update projects engage stakeholders and content experts to identify needed revisions, via subject-specific factors including:

- Evolution of discipline and implications for NAEP frameworks
- Relevance to students' postsecondary endeavors
- Student achievement trends in terms of contextual factors
- Digital-based assessment issues
- International content and measurement trends

### MILESTONES: ALL FRAMEWORK PROJECTS

ADC Discussion with External Experts in the Subject Area(s)
ADC Recommendation for Updating Assessment
Board Action on Charge
Framework Contractor Selection
Trend Scan & Resource Compilation
Panel Meetings (3 to 6)
Full Board Review & Public Comment
Framework Draft Finalized
ADC Final Review of Framework
Board Action
Assessment Administered

As a first step, the ADC conducts a framework review, where content experts are invited to a Committee session to provide reflections on the state of the discipline and the extent to which the relevant NAEP framework should be updated. Studies and additional outreach is pursued, as needed, to inform the ADC's recommendation about the type of framework update that is required. Next, the ADC brings its recommendation to the full Board for approval. In the case of an anticipated framework update, the recommendation includes a charge to stakeholders who will serve on the panels convened to draft recommendations for the ADC's consideration.

After Board discussion of the ADC recommendation, the Board will take action on the charge. Concurrently, Board staff will identify a contractor to execute the framework update process.

The framework contractor will launch the project by identifying individuals to serve on the framework panels and by compiling and developing resources to support the meetings of these stakeholders. A subset of these resources will include the Governing Board's charge

to the framework panels as well as documents used to inform the Board's development of the charge. The first meeting of stakeholders will be for the *Visioning Panel* to discuss the major issues to be addressed in the framework. A subset of the Visioning Panel will continue on as the *Development Panel* to develop an updated framework. This panel will also develop the recommended updates to the Test and Item Specifications, as well as the Contextual Variables.

The ADC monitors the framework contractor's work via regular project updates. A draft of the panels' recommended framework will be shared for full Board review and public comment, as well as review by the Board's Committee on Standards, Design and Methodology. This feedback will allow the Development Panel to address concerns and finalize the draft framework, specifications, and contextual variables for the ADC's final review and Board action. The adopted framework, specifications, and contextual variables are given to NCES to begin assessment development, piloting, and finally administration of the operational assessment based on the new framework.



## **NAEP RESOURCES AND INFORMATION FOR EDUCATORS: PRINCIPLES FOR ACTION**

Recent discussions of the ADC have noted the importance of helping educators use NAEP results as one tool to inform their efforts to increase student achievement. Feedback from NAEP Framework Update panelists have also encouraged the Board to increase awareness of NAEP. The Committee on Standards, Design and Methodology is also working to develop a statement on intended uses of NAEP.

Power user and former Board member Shannon Garrison will share ideas on how NAEP can be useful to educators. The discussion will support development of principles for revision of NAEP contextual questionnaire items, as well as broader ideas for outreach to educators.



## **OVERVIEW OF THE NAEP READING ITEM POOL**

The March 2018 review of the NAEP Reading Framework has resulted in an Assessment Development Committee (ADC) recommendation to update the NAEP Reading Framework. This recommendation is reflected in a Charge to the Visioning Panel to be convened for the framework update process. The Charge articulates the scope of anticipated framework updates and the Board's priorities in pursuing this framework update (attached). In June 2019, the WestEd project team began to identify candidates for the Visioning Panel, which is slated to be convened in Fall 2019.

To inform Committee discussions regarding the NAEP Reading Framework in the coming months, NCES will provide an overview of item development for the NAEP Reading Assessment relative to the current NAEP Reading Framework. The presentation will summarize item development considerations that have emerged as NCES has implemented the framework, noting the research and strategies NCES has conducted to address various aspects of the current framework.

**Assessment Development Committee  
Item Review Schedule  
February 2018 – May 2019  
Updated January 30, 2019**

Review Package to Board	Board Comments to NCES	Survey/Cognitive	Review Task	Approx. Number Items	Status
2/13/2019	3/8/2019	Cognitive	TBD TEL (12) Pilot Concept Sketches	18	
2/13/2019	3/8/2019	Survey	2023 Reading (4, 8, 12) Existing Pool Review	106	
2/13/2019	3/8/2019	Survey	2023 Mathematics (4, 8, 12) Existing Pool Review	135	
2/13/2019	3/8/2019	Survey	2023 Science (4, 8, 12) Existing Pool Review	100	
2/21/2019	3/8/2019	Cognitive	2023 Reading (4, 8, 12) Pilot (SBT) Concept Sketches	8-10	

*NOTE: "SBT" indicates Scenario-Based Task  
"DI" indicates Discrete Item.*