

***NATIONAL ASSESSMENT OF  
EDUCATIONAL PROGRESS***

***Volume 2***

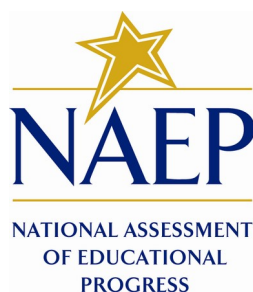
***Tryout Survey Instruments  
for  
System Small Scale Usability Study***

***Request for Clearance for System Small Scale Usability  
Study for the 2010 NAEP Writing Assessment Pilot***

***OMB# 1850-0803***

***(Generic Clearance for Cognitive, Pilot, and Field Test Studies)***

**Student Grade 8 Hardware Evaluation  
Study for Computer-Delivered Pilot Writing Assessment in 2010**



*The amount of time estimated to complete these forms is 60 minutes.*

*March 27, 2009*

## Paperwork Burden Statement

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control number for this information collection is **1850-0803**. The time required to complete this information collection is estimated to average 60 minutes including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. **If you have any comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to:** U.S. Department of Education, Washington, D.C. 20202-4537. **If you have comments or concerns regarding the status of your individual submission of this form, write directly to:** NAEP/NCES, U.S. Department of Education, 1990 K Street N.W., Washington, D.C. 20006-5651.

### **A project of the Institute of Education Sciences.**

The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every NCES employee as well as every agent, such as contractors and NAEP coordinators, has taken an oath and is subject to a jail term of up to 5 years, a fine of up to \$250,000, or both if he or she willfully discloses ANY identifiable information about you.

OMB No. 1850-0803 Approval Expires 09/30/2010

## Rate the Sample Writing Test Program

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Please circle the number that most clearly describes how you feel about each statement. Write in any comments you have below each statement.

1. Using the laptop to perform the test was:

1	2	3	4	5
Very Easy	Easy	Neither Easy Nor Difficult	Difficult	Very Difficult

Comment:

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2. Reading the words on the screen was:

1	2	3	4	5
Very Easy	Easy	Neither Easy Nor Difficult	Difficult	Very Difficult

Comment:

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3. Typing on the keyboard was:

1	2	3	4	5
Very Easy	Easy	Neither Easy Nor Difficult	Difficult	Very Difficult

Comment:

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4. Understanding what to do for the writing test was:

1	2	3	4	5
Very Easy	Easy	Neither Easy Nor Difficult	Difficult	Very Difficult

Comment:

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5. Doing what I needed to do for the writing test was:

1	2	3	4	5
Very Easy	Easy	Neither Easy Nor Difficult	Difficult	Very Difficult

Comment:

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6. The thing I liked best about taking a writing test using this program was:

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7. The thing I liked least about taking a writing test using this program was:

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8. For each statement below, please put a checkmark in one of the boxes from Strongly Agree to Strongly Disagree.

Opinion	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
I liked the “skin” (color scheme) choices.					
It was easy to make the text size bigger or smaller.					
It was easy to listen to the text being read by the computer.					
I was able to understand the question and see a picture or video.					
I was able to highlight words.					
I was able to open and close the sections /areas of the screen I needed to use without problems.					
I liked being able to use the pre-writing area.					
It was easy to answer the test question in the writing					

<b>Opinion</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>No Opinion</b>	<b>Disagree</b>	<b>Strongly Disagree</b>
area.					
I already knew how to use a word processor.					
I figured out how to use the word processor.					
I already knew how to use a spell checker.					
I figured out how to use the spell checker.					
I liked being able to turn the timer (clock) off.					
I knew my progress during the test and was able to plan my time well.					
I had enough time to write a response.					

## Fulcrum IT TWA Prototype Usability Study

### Student Tasks and Facilitator Observations

	<b>Purpose of the prototype/system performance test:</b>	1. Validate mental model, navigation, and page flow	3. Uncover design and technology issues	
		2. Evaluate user interaction with page-level controls and features	4. Determine effectiveness of content, editorial style, and graphics, and functionality of features	* Rating Scale 0 = no problems 1 = some problems 2 = many problems 3 = could not do
<b>Task No.</b>	<b>Key Area</b>	<b>Task / Question</b>	<b>Comments/ Problems</b>	<b>User Performance Rating *</b>
1	Login	Sign in using assigned student number		
2	Tutorial	View tutorial		
3	Prompt	Begin Prompt #1		
4	Use features			
4a		Open / close panes		
4b		Change skin (color scheme)		
4c		Change font size		
4d		Use text-to-speech		
4e		Magnify text		
4f		Highlight text		
4g		Get Spanish version		
4h		Other		
4i		Other		
5	Use Planning pane	Type in panel		
6	Use Response pane	Type in panel		
6a		Copy/paste text		
6b		Format text		
6c		Use thesaurus		
7		Use Spell check		

8	Submit prompt			
9	Proceed to section with background questions and complete			
10	Submit background questions			
11	Log off			

## Fulcrum IT TWA Prototype Usability Study

### System Operations

				* Rating Scale 0 = no problems 1 = some problems 2 = many problems 3 = did not work
	<b>Scenario</b>	<b>Task / Question</b>	<b>Comments/ Problems</b>	<b>System Performance Rating *</b>
A	Laptops fully connected between student and administrator machine	Can administrator monitor testing; do student machines write data back to admin machine throughout test?		
B	Laptops fully disconnected with administrator retrieving data via USB from the student machine and putting it on the administrator machine	Can administrator begin and end test without connectivity; specifically retrieve data from student machines at the end?		
C	Laptops fully connected between student and administrator machine; several machines lose connection and then are re-connected	Does system notify administrator of lost connectivity; can administrator re-connect and retrieve all data successfully from student machines?		
D	Laptops begin fully connected, lose connection and do not recover it for the remainder of the assessment	Does system notify administrator of lost connectivity; can administrator retrieve all data successfully from student machines?		