



To: State Board of Education

From: IDOE

Re: Final approval of cut score for CORE Computer Education licensure assessment

Date: March 12, 2014

Background:

In 2011, Pearson Evaluation Systems was selected through an RFP process as the incoming vendor for Indiana's educator license assessments. Since August 2011, Pearson has been developing content and pedagogy assessments aligned to Indiana's educator standards that were adopted in December 2010.

The final approval of licensure tests and scores occurred at the August 2013 meeting when the board approved 61 new tests and the panel recommended cut scores for all tests but Computer Education. The board voted preliminary approval on January 15, 2014 to the panel-based cut score for the Computer Education assessment; that preliminary score was posted for public comment for 30 days. One comment was received, which is on the accompanying attachment.

State Board responsibility: The state board of education is responsible for approval of licensure examinations and cut scores under 515 IAC 8-2-2:

515 IAC 8-2-2 Minimum acceptable scores

Authority: IC 20-28-2-6; IC 20-28-5-12

Affected: IC 4-22-7-7; IC 20-28-5-3

Sec. 2. (a) The board shall approve examinations and determine minimum acceptable scores for:

- (1) examinations required for an applicant to demonstrate proficiency in a content area as described in 515 IAC 8-1-8 through 515 IAC 8-1-44;
 - (2) school leaders' licensure assessments;
 - (3) examinations required for an applicant to demonstrate proficiency in basic reading, writing, and mathematics*;
- and
- (4) examinations required for an applicant to demonstrate proficiency in pedagogy.

(b) Prior to taking final action to approve examinations and determine minimum acceptable scores, the board shall do the following:

- (1) Provide public notice of the proposed action at least thirty (30) days prior to taking final action. The public notice shall include the following:
 - (A) A summary of each examination the board proposes to approve.
 - (B) The proposed minimum acceptable scores for each examination.
 - (C) The time period in which the board will accept public comments.
- (2) Accept and consider public comment.

(c) In taking final action to approve the examinations and minimum acceptable score, the board shall establish the effective date of the approved examinations and minimum acceptable scores that shall be not sooner than six (6) months after the date of the final action.

(d) An applicant who obtains at least the minimum acceptable score on an examination required under section 1 of this rule during the time the applicant is enrolled in an approved program may use that score even if a different score or a different examination is required at the time of application for the license.

*The basic skills assessments are required for admission into teacher preparation programs.

Action Needed: DOE is requesting final approval of the panel-based passing score of 54 for Computer Education. This score will become effective six months from the final approval date.

Indiana CORE Assessments for Educator Licensure Computer Education Panel Recommended Passing Scores with SEM Adjustments

Test Code	Assessment Name	Total Possible Score Points	Standard Error of Measurement (SEM)	Panel-based Passing Score -2.0 SEM	Panel-based Passing Score -1.0 SEM	Panel-based Passing Score	Panel-based Passing Score +1.0 SEM	Panel-based Passing Score +2.0 SEM
013	Computer Education	80	4.212	46	50	54	58	63

INTERPRETIVE NOTES

The notes below are an integral part of the above table.

- **Total Possible Score Points** = the number of scorable multiple-choice items included in the test.

- **Standard Error of Measurement (SEM)** = $\sqrt{\left(\frac{1}{i-1}\right) \times c \times (i-c)}$ where i = number of scorable multiple-choice items on the test and c = panel-based passing score.

- **Panel-based Passing Score -2.0 SEM** = sum of medians of panel member item judgments minus two Standard Errors of Measurement (SEM), rounded to the nearest integer.
- **Panel-based Passing Score -1.0 SEM** = sum of medians of panel member item judgments minus one Standard Error of Measurement (SEM), rounded to the nearest integer
- **Panel-based Passing Score** = sum of medians of panel member item judgments, rounded to the nearest integer.
- **Panel-based Passing Score +1.0 SEM** = sum of medians of panel member item judgments plus one Standard Error of Measurement (SEM), rounded to the nearest integer.
- **Panel-based Passing Score +2.0 SEM** = sum of medians of panel member item judgments plus two Standard Errors of Measurement (SEM), rounded to the nearest integer.