

Performance Scoring



*Meeting the increasing demand
for performance-based assessments*





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A comprehensive approach to performance scoring ● ● ● ● ●

PEMSolutions™ (Pearson Educational Measurement Solutions) provides a comprehensive approach to assessment that includes industry-leading capabilities in performance scoring. Our Scoring Network features a combination of professionally trained experts and innovative technologies to quickly deliver dependable and accurate scoring of student written responses.

Performance-based test items can help your assessment program measure students' achievement in areas of critical thinking, problem-solving, and communication – skills that can be the most difficult to measure in a large-scale testing format. PEMSolutions Scoring Network can help you score performance items in a wide variety of subject areas, using dependable trained scorers and the infrastructure to score millions of responses accurately.

Benefits

- **Comprehensive Technology.** The system addresses the needs of a project from start to finish, providing a highly streamlined and efficient scoring process, plus numerous built-in conveniences and custom options based on years of scoring experience.
- **Diversified Scorer Pool.** Our pool of available scorers includes specialized expertise while incorporating cultural and geographical diversity, options for in-state or out-of-state scoring, and options for regional and nationally distributed scoring.
- **High-level Security.** Unique ID and password protection and protocols grant users access to only authorized functions and pools of student responses for which they are trained and qualified.
- **Improved Work Schedules.** As soon as a pool of responses is processed, it can be routed to scorers to begin scoring. Continuous processing and scoring allows you to receive quality results in a timely fashion.
- **Ease of Use.** System features are clear and intuitive, allowing scorers to concentrate on following scoring protocol and not on the learning the technology.
- **Increased Reliability.** High-caliber training connected with reliability monitoring tools support the quality processes that help achieve and maintain a high level of reliability across scoring locations.
- **Increased Accuracy.** Tools and reports allow supervising staff to monitor scorer accuracy for meeting the pre-defined standards, while features such as Messaging and Calibration Scoring help individual scorers monitor their own performance.
- **Timely Access.** Numerous reports are available with up-to-the-moment data to help you monitor and document scoring activities.
- **Secure and Organized.** With our electronic capture and distribution of response images, official test documents remain secure and organized in a Pearson facility, virtually eliminating lost or misplaced documents.





Performance Scoring

The Scoring Network supports two types of response evaluation – holistic and analytic scoring – plus a configurable representation of the score points and traits to fit the needs of any project.

The Scoring Network provides up to four levels of scoring, where you define the percentage required for reliability, resolution, and adjudication.

First Reading	A qualified scorer evaluates and assigns a score to a response.
Reliability	Another scorer evaluates and assigns a second score to the response, known as the reliability read.
Resolution	An independent, blind third score can be required when disagreement exists between the first two scores. Each project defines the level of agreement needed (e.g., only non-adjacent scores), and who performs resolution (e.g., a scorer or supervisory staff).
Adjudication	An independent, non-blind fourth score (or, in some cases, a third non-blind score) is assigned by supervisory staff when disagreement exists among the first, second, and third scores.

Quality Processes

The Scoring Network uses a variety of tools to manage performance. It begins with training effective scorers, continues with ongoing mentoring, and ends with judicious monitoring of scoring activities.

ISO Quality Standards

To our knowledge, Pearson Educational Measurement is the only provider of performance scoring to have obtained ISO certification, an internationally recognized standard for quality assurance.

Training	Delivered online or in a classroom setting, training provides: <ul style="list-style-type: none">• Company background and purpose• Concept of performance scoring• The response prompt• The rules for scoring the response• Sample scored responses (i.e., anchor papers)• User instructions for the Scoring Network
Practice	Using a simulation of the Scoring Network interface, candidates score practice sample responses, receiving feedback from true score comparisons and explanatory annotations.
Qualification	Using another sample set, candidates must achieve a pre-defined level of agreement with the true score in order to qualify for live scoring.
Calibration	In the midst of live scoring, scorers temporarily return to sample sets to reinforce the scoring rules and agreement.
Inter-Reader Reliability (IRR)	The Scoring Network randomly distributes responses for a second score and provides data back to supervisory staff on agreement between scorers, called inter-reader reliability (IRR), which can help identify the need for further practice or calibration.
Validity	The Scoring Network randomly distributes pre-scored responses to collect data on the agreement between experts and the scorer pool, which is used to calculate accuracy and reported to the customer.
Frontreading	Supervisory staff reviews and nominates ideal responses that can be used in range finding, training, practice, qualification, and validity.



Backreading	To further monitor scorer performance, supervisory staff can review scored responses for appropriateness and the need for corrective action.
Dashboard	The Scoring Network presents each scorer with individualized performance data, providing timely feedback and driving self-improvement and motivation.
Reports	Supervisory staff can proactively track progress and accuracy with a comprehensive suite of daily, cumulative, and on-demand reports.
Review	Through the Scoring Network's messaging tool, scorers can convey questions or concerns about a response to supervisory staff, who can review and provide appropriate guidance or action.

Added Features

The Scoring Network provides industry-leading functionality and continues to develop improvements to our scoring solution to better serve our customers.

- Blank Detection
- Query by Team
- Calibration Sets with Review Responses
- Automatic Qualification
- End-of-Set Calibration Reports
- Enhanced Export Scores Process
- Non-Blind Resolution Scoring
- Oracle HR Interface
- QC Change Rate
- QC Workflow Control
- Sequentially Linked Item Scoring

Comprehensive Training

The Scoring Network tailors training to meet the needs of every customer and every scoring project.

- **Online Training.** A systematic method of delivery increases flexibility and consistency for more efficient training.
- **Stand-up Training.** Content, approach, and pacing is tailored to the specific atmosphere of a group gathered in a classroom setting.
- **Custom Training.** Supplementary resources and activities are added at the customer's request.
- **Reference Library.** Supporting materials such as rubrics, practice sets, and anchor papers are available online to scorers, staff, and customers.

To learn how to put PEMSolutions performance scoring to work for you, visit www.PEMSolutions.com or call 1-800-627-0365.

