



This month's topic: Technology Enhanced Items (TEIs) Introduction

How It Works

The topic for this month's meeting centered on Technology Enhanced Items (TEIs). The National Registry's Examinations Content Manager, Dr. Paul Rosenberger shared with the panel a presentation on TEIs and introduced their relationship with the National Registry's examinations.

There are four types of TEIs the Registry plans to introduce to its examinations –

- Drag and Drop
- Check Box
- Build list
- Sequences

Dr. Rosenberger demonstrated examples of the item types and provided scenarios. These scenarios are genuine and more accurately represent what the practitioner can experience in the field and their application of knowledge to the context of the scenario. To note, the scenarios used were not approved and only for example.

Current State of Research

As we move forward with the ALS Redesign project and the future of sunsetting the psychomotor examination, we are expanding the types of examination items by using TEIs to better capture the knowledge, skills, and capabilities of the candidate.

The National Registry has information featured on their website about Technology Enhanced Items (TEIs), including the examples shared with this panel. Learn more about the new item types here: <https://nremt.org/Document/TEIs>

TEIs are simply computer technology delivered items. The objective is to create enhanced testing and cognitive assessment through prompting a candidate's engagement, critical thinking, and knowledge application.

Posed Question

How can we best prepare educators and candidates for these new item types? What information is key to share?

The panel provided insightful feedback, explained in the consensus below, that will guide the National Registry as we move forward with the improvement of our examinations.

The Consensus

As technology continues to evolve, the National Registry's examination continues to evolve with it. Technologically Enhanced Items (TEIs), use technology to provide a better understanding of candidate comprehension and knowledge. We understand the importance of educators, vendors, and others in the industry as they will play a vital role in the implementation of new item types and will continue to focus on their development and creating materials to ensure the message is spread to all and the resources to learn more are available.

The panel provided suggestions to better support the educators and candidates with the new item types. We are using their feedback to make improvements to ensure everyone has the support and tools they need for success.

We appreciate the opportunity to collaborate and communicate with the ALS Expert Panel and EMS community as we make progress with the ALS Redesign project.

Previous Meeting Update

As mentioned in previous panel meetings, a concern was brought forth by the panel calling for a modification of the examination scheduling policy for candidates who seek to retest.

The current policy requires candidates to wait 15 days before submitting a new application and receiving a new Authorization To Test (ATT). Candidates can experience limitations with local testing centers' varying scheduling conditions and lapsed time.

Although this policy remains active, we have added this to our priorities. This implementation does not have an execution date, but we plan for it to coincide with IT changes next year.