

Solutions Through Innovation:

Technologies

At *Schroeder Measurement Technologies Inc.*, our objective is to meet the unique needs of each client in a credentialing program by applying the most advanced solutions that add value and cost-effectiveness. SMT has developed a “tool-chest” of technological applications to streamline nearly every aspect necessary to conduct a model examination certification program.

Item Banking Using SMT- Bank™ *SMT-Bank* is a Windows-based item banking, test construction, and test development support system, designed to handle hundreds of test development tasks. The system facilitates:

- Storage of questions/graphics as they will appear on examinations
- Tracks item and form statistics
- Provides for equating

Remote Item Writing Using SMT-Item.Net™ *SMT-Item.Net* permits a secure remote item writing process via the Internet.

- Item writers are assigned an access password to the SMT web site
- System designed for online item writing training
- Offers update access to items at item writers convenience

Item Diagnostics Using SMT- Match™ *SMT-Match* finds similar elements of text from different sources. *SMT-Match* uses a mathematical model to describe textual elements and then applies a statistical model to calculate the probability that a pair of textual elements is derived from the same root language. It can be used to compare electronic item banks to identify identical or similar items. *SMT-Match* has been used successfully in litigation to prove copyright infringement.

Inventory Control Using SMT- Track™ *SMT-Track* is an extensive inventory control system for secure test documents that include:

- Records of exam master copy creations prior to printing
- Records of exam production
- Cradle to grave exam material tracking; production/shipment/test site receipt/ destruction
- Report generation showing current location and/or history of any secure material

Computer-Based Testing Using SMT- PCTest™ *SMT-PCTest* is a system for the administration of electronic examinations, fully interfaced with *SMT-Bank*. *SMT-PCTest* exam functionality includes:

- Unlimited movement about the exam
- Immediate scoring
- Flagging questions to be answered later
- Scoring diagnostic reporting

Remote Scoring Using SMT- Remote™ *SMT-Remote* is a secure method of scoring candidates answer sheets remotely. Candidate answer sheets are scanned using an optical mark reader, transmitted to SMT, scores are transmitted back to a test site within minutes.

Candidate Processing Using SMT- Admin™ *SMT-Admin* is a Windows-based system for complete candidate processing, including:

- Recording candidate information
- Aids in determining candidate eligibility
- Scheduling candidate examination site and time
- Produces admission letter and test site roster
- Scans and scores candidate answer sheets
- Produces score reports



Schroeder
Measurement
Technologies
262 Chapman Road
Suite 108
Newark, DE 19702
(302) 737-0796
number1@smtest.com