

Solutions Through Innovation:

Customized Measurement Services

SCHROEDER MEASUREMENT TECHNOLOGIES, INC (SMT) offers a wide range of examination and related support services to organizations that sponsor certification and licensing programs. Based on a thorough analysis of client needs, SMT applies innovative technologies and methodologies to ensure cost-effective solutions. SMT strictly adheres to important testing related guidelines (see box). SMT provides a full range of traditional examination services to credentialing agencies, including:

- ≈ Role Delineation/Job Analysis Studies
- ≈ Development of Passing Standards or Cut Scores
- ≈ Examination Specification/Test Blueprint Development
- ≈ Test and Item Statistical Analyses
- ≈ Development of Survey Instruments
- ≈ Development of Examination Forms and Versions
- ≈ Equating of Examination Forms (both traditional and IRT)
- ≈ Item Writing, Review, and Validation Services

Additionally, SMT has earned a strong reputation for assisting clients, and even other testing companies, with unique measurement challenges that require highly specialized or special purpose services. Examples of these customized services include:

Measurement Models – the preparation and conversion of a credentialing agency’s examination program to more sophisticated measurement models. For example, SMT assists organizations in preparing for the implementation of IRT-based Computer Adaptive Testing.

Technological Solutions – the conversion of an organization’s program to more sophisticated technology platforms. For example, SMT assists agencies implementing more powerful Item Banking systems. SMT provides both the support necessary to convert item banks and to fully train organization staff.

Customized Assessments – the development of highly specialized assessment models that use “non-tradition” methodologies. For example, SMT designs portfolio-based assessments, essay exams and rubrics, performance tests, and case study assessments.

Program Audits – SMT assists organizations in auditing their examination development, test administration, scoring, and candidate processing to ensure compliance with industry standards. Where deficiencies or inconsistencies are identified, SMT recommends program adjustments.

Specialized Data Analyses – SMT assists agencies with unique data or statistical challenges. For example, SMT provides specialized statistical reports and testimony in support of legal challenges to an examination program, establishes data collection methods for demographic analyses, and applies advanced statistical algorithms to identify possible security breaches or copyright infringements.

SMT adheres to guidelines established by these organizations:

- American Psychological Association (APA)
- American Educational Research Association (AERA)
- National Council on Measurement in Education (NCME)
- National Organization for Competency Assurance (NOCA)
- Council on License, Enforcement, and Regulation (CLEAR)
- Association of Test Publishers (ATP)



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Call or e-mail us to discuss how we can help you!