



Dimensions

Schroeder Measurement Technologies, Inc.
 2494 Bayshore Blvd., Suite 201, Dunedin, FL 34698
 Phone: (800) 556-0484 or (727) 738-8727

Business Development Office
 262 Chapman Road, Suite 108, Newark, DE 19702
 Phone (302) 737-0796

Visit us at www.smttest.com

SMT introduces web testing

SMT has experienced an increased request for on-line practice and CEU examinations. Consequently, SMT has developed and administrating Web-based practice examinations for our clients, processing fees and providing candidate and client score reports.

Administrating Web-based examinations is a simple process for SMT since our item banking system, SMT-Bank™ was initially designed to deliver examinations in all media. Web-based administration is facilitated by integrating SMT-Bank with our new Web testing engine, SMT-WebTest™. SMT-WebTest offers test-takers a simple, intuitive testing engine with features similar to those offered at dedicated testing centers.

SMT-WebTest is configurable to client requirements:

- Color schemes and headers customized to organization
- Feedback can be added after each question
- Customized test-takers' final reports
- Test-takers can navigate freely through the test or move sequentially

SMT client earns ANSI accreditation

The International Information Systems Security Certification Consortium ((ISC)²®), an SMT client since 1997, has been granted certification accreditation in the area of information security under ISO/IEC 17024 for the consortium's CISSP® credential by ANSI (American National Standards Institute), the United States representation of the International Standards Organization (ISO).



SMT President Lee Schroeder (center) with Roy Swift and Frances Schrotter of ANSI at the (ISC)² accreditation announcement.

"This is a significant milestone for (ISC)² and the international information security section,"
 (Please see ANSI, page 2)

SMT hosts NOCA casino cruise

Be our guest at an exciting casino cruise at this year's annual NOCA conference in Miami. Watch your mail for this postcard and bring it to our booth at the NOCA exhibit to get your boarding pass and a special gift!



Schroeder Measurement Technologies invites you to

**An evening of dining,
Gaming, and cruising**
Aboard the 200' Casino Princessa
Thursday, November 18
7:00 p.m. – midnight



Bring this card to NOCA booth 211 to pick up your boarding pass!

- Includes:
- Shuttle to boat
- Dinner
- 2 cocktails
- Slot tokens



Legal defensibility

Role delineation is a critical step in the development of a legally defensible testing mechanism. Performing a role delineation study and using the resulting data to develop exam specifications ensures that candidates are tested on critical incidents or the knowledge, skill, and abilities (KSA'S) that are relevant to the role for which they are being certified/licensed.

The defensibility of an exam is dependent upon the content validity of the questions included. Validity, therefore, becomes the most important consideration in test development. Content validity refers to the appropriateness, meaningfulness, and usefulness of the specific inferences made from test scores. It involves the establishment of the relationship between a test instrument and the KSA's required to successfully perform the job.

Test validation is the process by which a test developer collects evidence to support the types of inferences that are to be drawn from test scores. Under the Equal Employment Opportunity Commission and American Psychological Association guidelines, examinations should meet the requirements of content validity typically including:

1. Selecting a panel of qualified experts
2. Defining the performance domain

(Please see Legal Defensibility, page 3)

Welcome new SMT clients



NFPT is a major certifying organization that specializes in fundamental Personal Fitness Trainer Certification and offers unparalleled NFPT Affiliate support through NFPT's magazine, website, and complete consultation guideline provision.

NFPT has retained SMT to perform Job Role Delineation Studies, Item Writing and Test Development Services, Scoring and Reporting for several titles. The NFPT's Personal Fitness Trainer Certification Program is the result of extensive independent research studies performed by health professionals at NFPT subsidiary research facilities from 1985 until the date of program conception. The purpose of these studies was to apply new scientific principles to various forms of resistance exercises. Applied science and physiology are always used to reinforce new NFPT principles.



National Contract Management Association

NCMA has retained SMT to assist the NCMA to complete their job task study, develop a survey instrument and analyze the survey data.

ANSI

(continued from page 1)

said James E. Duffy, CISSP, Executive Director for (ISC)². As (ISC)²'s testing vendor, SMT was an integral part of assisting (ISC)² in gaining this prestigious recognition, especially in the technical areas related to examinations.

"SMT played a vital role in the ANSI accreditation process," Duffy added, "ensuring (ISC)² test development, psychometric analysis, and exam security met the stringent requirements of ISO/IEC 17024. They have been a valued partner for some time and should share in this tremendous achievement."

"We are delighted that the (ISC)² credentialing program for Certified Information System Security Professionals (CISSP) has been accredited by ANSI" commented SMT President Lee Schroeder. "(ISC)² has consistently provided the highest level of support for the continuing development of this credentialing program and SMT experts have always ensured that the program met the highest standards within the credentialing industry. It is, therefore, most exciting to see an organization of ANSI's stature recognize the tremendous and well focused efforts of both organizations by providing this accreditation. SMT was also very pleased to work with ANSI staff and assessors on the accreditation process, a process that we found to be straight-forward, open and formative."



AERA/NCME

The annual National Council on Measurement in Education convention this year was held in San Diego. This meeting is known for high quality presentations. The Standard Setting and Multi-stage Testing (MST) sessions were particularly interesting.

Abdullah A. Ferdous and Dr. Barbara S. Plake presented the factors that influence the decisions of panelists when establishing ratings during a standard setting workshop. They studied three groups of raters; "high rating group", "moderate rating group", and "low rating group." The study revealed that there were differences in the thinking patterns of the three groups. The high and moderate groups tend to apply a criterion-referenced perspective when making the ratings. Conversely, the low group tends to employ a norm-referenced approach to the task of setting a passing standard.

MST is an adaptive testing technique that allows adaptation at the testlet level instead of at the item level. This model typically includes three series of testlets delivered to a candidate.

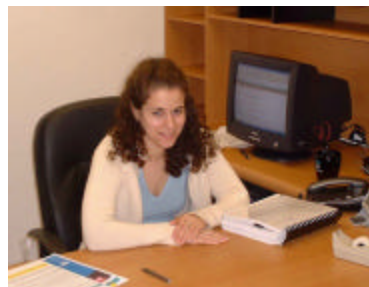
Candidate capabilities are assessed at each testlet routing them to a measurement commensurate with their ability. SMT currently employs item-level adaptation for our clients who use computer adaptive testing.

We are planning to transition our clients to MST over the next few years because the virtues include fixed form development in the form of testlets. MST allows us to control content specifications, pretesting, item exposure and difficulty without using algorithms. While item level adaptation is highly effective, MST is a viable alternative.

SMT adds space, marketing assistant

After just one and half years since our last major corporate growth, SMT is expanding again. We are proud to say that our continued company growth has required additional office space in our Dunedin, Florida headquarters. An additional 3,400 square foot of office space has been added to meet our needs.

SMT also welcomes Amy Meryl Ackerman to our Business Development Office in Newark, Delaware.



Amy is our new Marketing Assistant who was previously a Sales Representative for Minolta. Amy is a graduate of the University of Delaware Business School.

If you are an association or licensing agency looking for a genuine partner for your exam program, call us at (302) 737-0796 or send your inquiry to the address in the front banner.

SMT to host Washington certification network meeting

SMT will host the December 8, 2004 meeting of the Washington Certification Network meeting. The topic will be "Lost in Translation".

Be sure to contact the group at <http://www.communicators.com/washington/index.cfm> to join the group and reserve your spot!

SMT calendar

American Society of Association Executives Annual Meeting, August 14, 2004, Minneapolis, Minnesota.

American Board of Nursing Specialties Fall Meeting, October 1-2, Peabody Hotel, Memphis

Council on Licensure, Enforcement and Regulation Annual Conference, September 30 – October 2, 2004, Kansas City, Missouri.

National Organization for Competency Assurance Annual Educational Conference, November 17-20, 2004, Loews Miami South Beach.

Legal defensibility

(continued from page 2)

3. Weighting content domains by importance to public protection
4. Developing and validating test items that meet the content
5. Providing a structured framework to match items to the content domain
6. Taking steps to minimize subjective bias
7. Setting the passing score at the appropriate level