

APPENDIX I

LIST OF ORGANIZATIONS THAT DID NOT RESPOND TO QUESTIONNAIRE

The following certification programs did not respond to requests for information on their programs and therefore could not be listed in the directory. However, information obtained from their organization's website, from the American National Standards Institute's NSSN site, or from the Occupational Safety and Health Administration's (OSHA) site or other government websites indicates that they do operate certification programs. The information listed below was obtained from these sources.

3-A SANITARY STANDARDS SYMBOL ADMINISTRATIVE COUNCIL

ACRONYM: 3-ASC

ADDRESS: Administrative Officer
3-A Sanitary Standards Symbol Administrative Council
Colonial Center
1500 Second Ave SE, Suite 209
Cedar Rapids, IA USA 52403

PHONE: 319-286-9221 **FAX:** 319-286-9290

E-MAIL: vmills@mcleodusa.net

URL ADDRESS: <http://www.3-a.org/council/>

PURPOSE: The 3-A Symbol Council, organized in 1956, grants authorizations to use the 3-A Symbol on equipment that meets 3-A Sanitary Standards for design and fabrication. The name 3-A was chosen to represent these three founding associations: the International Association of Food Industry Suppliers (IAFIS), International Association for Food Protection (IAFP) and Milk Industry Foundation (MIF). Since 1944, the 3-A Program has included representation from suppliers and equipment fabricators, all national dairy processing associations, the U.S. Department of Agriculture (USDA), the U.S. Public Health Service (USPHS) and state regulatory agencies. Symbol Council Trustees authorize and administer use of the 3-A Symbol, but do not participate in preparing the 3-A Standards. Once a 3-A Sanitary Standard has been developed and becomes effective, manufacturers may receive authorization from the 3-A Symbol Council to use the Symbol. Voluntary use of the 3-A Symbol on dairy and food equipment serves three important purposes: assures processors that equipment meets sanitary standards; provides accepted criteria to equipment manufacturers for sanitary design; and establishes guidelines for uniform evaluation and compliance by sanitarians. For dairy and food equipment manufacturers to use the 3-A Symbol, they must file an application with the 3-A Symbol Council office. A company executive is required to sign the Application for Authorization to use the Symbol, initialing each paragraph of the Standard to signify that the equipment is compliant with all provisions of that Standard. A statement of quality controls in place must be submitted along with drawings or pictures of the equipment. The Council may also request additional materials to ensure compliance on complex subassemblies. The Council

reviews the application and, if all areas are in compliance under that specific 3-A Standard, the manufacturer is permitted to use the 3-A Symbol. Equipment manufacturers are required to place the serial number of the 3-A Standard with which it complies adjacent to the 3-A Symbol on their equipment. Authorizations to use the 3-A Symbol are renewable each year. Amendments to an authorization can be made if a manufacturer desires to change design or add new models to the line. A manufacturer may do so by submitting an Application for Amendment, in which the changes are specifically designated. All records are kept at the 3-A Symbol Council office.

PRODUCTS CERTIFIED: Dairy and food equipment

ACCREDITATIONS/RECOGNITION: 3-A Sanitary Standards are referenced in the Grade A Pasteurized Milk Ordinance (PMO) and are fully utilized by USDA - Dairy Grading Branch.

ACCURACY SCIENTIFIC INSTRUMENTS, DIVISION OF A&M THERMOMETER

ACRONYM: ASICO

ADDRESS: 17 Piney Park Road
Asheville, NC 28806

PHONE: 1-800-685-9211 **FAX:** 828-254-5611

URL ADDRESS: <http://www.main.nc.us/amthermometer/calibrate.htm>

PURPOSE: Provides calibrations for a variety of thermometers covering the ranges from -100/400°C. The customer's thermometers are calibrated/certified in constant temperature baths using an NIST certified standard thermometer. The customer is provided a Report of Calibration/Certification, or Report of Text which contains the results of the calibration/certification and other important information related to this particular thermometer. In general, the Thermometer must be of an acceptable design and workmanship, and be compatible with existing calibration facilities. The type known as laboratory, chemical, or ASTM thermometers consisting of a solid stem with graduation lines and numbers permanently etched or placed on the stem, are usually accepted. Other types, such as Beckmann, calorimetric, and enclosed scale (Einschluss) laboratory thermometers are also accepted. Industrial and/or mechanical type thermometers with special configurations may be accepted for testing if they can be inserted into the comparison bath.

PRODUCTS CERTIFIED: Thermometers.

ACCREDITATIONS/RECOGNITION: ISO-9002 Registered.

ACTS TESTING LABORATORIES, INC.**ACRONYM:** ACTS**ADDRESS:** 100 Northpointe Parkway
Buffalo, New York 14228-1884**PHONE:** 716-505-3300 **FAX:** 716-505-3301Butterfield Office Plaza
2625 Butterfield Road
Suite 301 North
Oak Brook, Illinois 60523-1261 USA
PHONE: 630-623-4690 **FAX:** 630-623-4699276 Main Avenue
Clifton, New Jersey 07014 USA
PHONE: 973-470-2200 **FAX:** 973-470-8115425 East Colorado Street, Suite 660
Glendale, Ca 91205
PHONE: 818-549-2470 **FAX:** 818-549-2471**URL ADDRESS:** <http://www.actstesting.com/>

PURPOSE: ACTS is the Consumer Products Division of Bureau Veritas, a professional firm dedicated to quality, health and safety, and environment management. Bureau Veritas, founded in 1828, has a presence in 500 offices in 120 countries and a qualified workforce of more than 10,000 experts. Bureau Veritas provides an extensive range of specialized services including inspections, conformity assessment, testing, consulting and training, certifications, and other quality-related activities.

PRODUCTS CERTIFIED: Packaging; toys; juvenile products; garments and textiles; health, beauty, food, and household products; and hard lines of general merchandise & housewares electrical/electronic products, toys/juvenile products, hardware & building supplies, lawn & garden, and sporting goods; and electronic products.

ACCREDITATIONS/RECOGNITION: Micro lab is audited three times each year by the New York State Department of Agriculture and the New York State Department of Health, and receives proficiency samples from these same agencies three times a year. The laboratory complies with Good Manufacturing Practices in all aspects of supply preparation, testing, and reporting. Package testing lab certified by ISTA (The International Safe Transit Association),

ALL AMERICA ROSE SELECTIONS**ACRONYM:** AARS**ADDRESS:** 221 N. LaSalle Street, Suite 3500,
Chicago, Illinois 60601**PHONE:** 312-372-7090**URL ADDRESS:** <http://www.rose.org/>

PURPOSE: AARS has been testing roses since 1938. Over the years, the program has evolved into a sophisticated process with a network of Official Test Gardens within select Public Gardens throughout the United States. These gardens, which represent a wide range of climates, maintain standards specified by AARS to ensure that roses undergoing testing receive the care normally provided by an average - not necessarily expert - home gardener. Rose specimens are submitted to the gardens each year from rose producers. The specimens are assigned an official AARS number and undergo a two-year trial program. A judge - usually a college horticulture professor or supervisor of a large public garden - is assigned to evaluate each garden. During the evaluation period, roses are graded by a prescribed numerical scoring system on vigor, growth habit, disease resistance, foliage, flower production, bud and flower form, opening and finishing color, fragrance, stem and overall value. This complex scoring system has been developed to answer consumer demand for beautiful, easy-to-grow roses. The end result is a new crop of AARS winning roses each year.

PRODUCTS CERTIFIED: Roses

AMERICAN ASSOCIATION OF CEREAL CHEMISTS**ACRONYM:** AACC**ADDRESS:** 3340 Pilot Knob Road
St. Paul, MN 55121-2097**PHONE:** +1-651-454-7250 **FAX:** +1-651-454-0766**E-MAIL:** aacc@scisoc.org**URL ADDRESS:** <http://www.scisoc.org/aacc/>

PURPOSE: AACC is an international organization of cereal science and other professionals studying the chemistry of cereal grains and their products or working in related fields. AACC introduced the Check Sample Service in 1948 after recognizing that laboratories had only limited ways of ensuring laboratory accuracy. The service began by providing checks for cereal laboratories. Today, AACC offers a variety of check sample services of contemporary analytical interest. When a laboratory subscribes to an AACC check sample series, it will receive specially prepared test samples from AACC according to the frequency specified for that series. The subscribing laboratory performs specific analyses on the sample(s) and returns its results to AACC. AACC will then provide a statistical evaluation of the analytical results comparing on a confidential coded basis the subscribing a laboratory's data with

those of other laboratories. Thus, the subscriber is able to see how its results compare with those of other industrial and government laboratories in terms of accuracy. If warranted, an annual certificate suitable for framing and display will be issued. AACC also provides reference food fiber sources in bulk quantities for experimental research studies. Certified wheat bran (in either soft white or hard red wheat) and certified oat bran are available. Also available are a standard hard wheat flour sample with moisture, protein, ash, and falling number analytical values, a standard cereal-based product with vitamin and mineral analytical values, and analytical reference standards for beta-glucan and total, insoluble, and soluble dietary fiber.

PRODUCTS CERTIFIED: Laboratories, cereals, and grains

AMERICAN ASSOCIATION OF MEDICAL MILK COMMISSION, INC.

ACRONYM: AAMMC

ADDRESS: Los Angeles, California

PHONE: 213-664-1977 **FAX:** 213-664-0870

ANA CERTIFICATION SERVICES

ACRONYM: ANACS

ADDRESS: P.O. Box 182141
Columbus, OH 43218-2141

PHONE: 1-800-888-1861

URL ADDRESS: <http://www.anacs.com/>

PURPOSE: The American Numismatic Association operated ANACS from its inception in 1972 until the ANA sold ANACS to Amos Press in 1990. The acronym "ANACS" originally stood for American Numismatic Association Certification Service. Today, unbiased expert graders at ANACS render an opinion on a coin's authenticity and grade.

PRODUCTS CERTIFIED: Coins.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ACRONYM: ASME

ADDRESS: ASME International
Three Park Avenue
New York, NY 10016-5990

PHONE: 800-THE-ASME (U.S./Canada, 95-800-843-2763 (Mexico, 973-882-1167 (outside North America)

E-MAIL: infocentral@asme.org

URL ADDRESS: <http://www.asme.org>

PURPOSE: ASME operates a number of conformity assessment programs:

AUTHORIZED INSPECTION AGENCY (AIA) ACCREDITATION PROGRAM: An AIA is the inspection organization of states or municipality of the United States or a Canadian Province, or an insurance company authorized to write boiler and pressure vessel insurance. ASME accredits AIAs to inspect boilers and pressure vessels (nuclear and non-nuclear), which are to be stamped with an ASME Code Symbol.

BOILER AND PRESSURE VESSEL ACCREDITATION PROGRAM: Since 1916, The American Society of Mechanical Engineers (ASME) has accredited companies to certify that their products and services comply with ASME codes and standards. More than 4500 companies in 62 countries are currently accredited. ASME Code Symbol Stamps are used to indicate that stamped items conform to the latest edition of the ASME Boiler and Pressure Vessel Code. Utilization of the ASME Code Symbol Stamp is a means of complying with the laws and regulations in most of the US and Canada, as well as other countries throughout the world. Whether or not an ASME Code Symbol Stamp is legally required, it provides users with a high degree of confidence that the stamped items conform to established safety standards.

NUCLEAR COMPONENT ACCREDITATION PROGRAM: Is responsible for issuance of Nuclear Components N-Type Certificates of Authorization and Accreditation. Program covers vessels, pumps, valves, piping systems, storage tanks, and related equipment and supports for nuclear power plants.

QUALITY SYSTEM CERTIFICATE PROGRAM: Covers the issuance of Quality System Certificate for Nuclear Material Organization

PRESSURE RELIEF DEVICE (PRD) TESTING LABORATORY ACCREDITATION PROGRAM: Accredits laboratories that test valves, which are to be stamped with an ASME Code Symbol Stamp (V, UV, HV, NV, and UV3).

REINFORCED THERMOSET PLASTIC (RTP) PRESSURE VESSEL ACCREDITATION PROGRAM.

FASTENER ACCREDITATION PROGRAM (FAP): Covers fastener manufacturers, alteration distributors, and non-alteration distributors of fasteners; and fastener testing laboratories. Accreditation is based on the ASME FAP-1 Standard.

**QEI - ELEVATOR INSPECTOR CERTIFICATION ORGANIZATION
ACCREDITATION PROGRAM**

ELEVATOR INSPECTOR CERTIFICATION ORGANIZATION (QEI) ACCREDITATION PROGRAM: Covers organizations that certify elevator inspectors and inspector supervisors in accordance with the ASME QEI-1 Standard. Inspectors certified by accredited organizations are qualified to inspect elevators, escalators, and related equipment covered by the ASME A17.1 Elevator Code.

CERTIFICATION OF HIGH CAPACITY FOSSIL FUEL FIRED PLANT OPERATORS (QFO) PROGRAM: This new certification program will cover operators of oil, gas, and coal fired boilers with heat input greater than 10,000,000 Btu/hr. Certification criteria will include evaluation of qualifications in both safety and air emissions.

HAZARDOUS WASTE INCINERATOR OPERATOR (QHO) CERTIFICATION PROGRAM: Hazardous waste incineration facility employees perform a wide range of duties based on skill and function. These duties relate to incinerator operation, e.g., preparation of waste feed stream, the feeding of wastes, the handling of residues, and the operation of air pollution control equipment. The individuals involved typically perform the duties of control room and field operators. This certification program is intended for the certification of individuals directly involved with hazardous waste incinerator operation. People supervising these operators may be certified depending on their level of direct involvement.

MEDICAL WASTE INCINERATOR OPERATOR (QMO) CERTIFICATION PROGRAM: Covers operators and operator supervisors of medical waste incinerators. Certification is based on three components: recommended training, experience or demonstration of acceptable skills and ability, and passing a written examination. Operating experience is not a requirement for special class operators, however, it is not intended that persons with this type of certification operate the equipment, except under the direct supervision of a certified operator or certified operator supervisor. There are four classes of certification, which depend on the combination of equipment operated: Class A applies to operators of incinerators with heat recovery systems and APCDs; Class B applies to operators of incinerators with heat recovery systems; Class C applies to operators of incinerators with APCDs; and Class D applies to incinerators with neither APCDs nor heat recovery systems. The QMO Certification Program is intended to serve as a means for complying with federal, state, and local regulations, which require operators to be certified.

RESOURCE RECOVERY FACILITY OPERATOR (QRO) CERTIFICATION PROGRAM: Covers operators of resource recovery facilities processing municipal solid waste (MWCs). It applies to persons who hold, or wish to hold, the positions of Shift Supervisor or Chief Facility Operator. Candidates are required to meet minimum education and experience requirements and pass a written multiple-choice examination for provisional certification. Full certification entails a site-specific oral examination.

GEOMETRIC DIMENSIONING TOLERANCE PROFESSIONALS (GDTP) CERTIFICATION PROGRAM: Provides the means to recognize proficiency in the

understanding and application of the geometric dimensioning and tolerancing principles expressed in ASME Y14.5 Standard. There are two levels of certification: technology level and senior level.

AMERICAN STANDARDS TESTING BUREAU

ACRONYM: ASTB

ADDRESS: 40 Water St.
New York, NY 10004

PHONE: 212-943-3156

E-MAIL: worldteck@aol.com

PURPOSE: ASTB is an independent, scientific organization serving industry, government and professionals worldwide for over 75 years.

AOAC RESEARCH/AOAC INTERNATIONAL

ACRONYM: AOAC RI

ADDRESS: 481 North Frederick Avenue
Suite 500
Gaithersburg, Maryland 20877-2417 USA

PHONE: +1-301-924-7077 (worldwide) or 1-800-379-2622 (toll-free from North America)

FAX: +1-301-924-7089

E-MAIL: aoac@aoac.org

URL ADDRESS: <http://www.aoac.org/>

PURPOSE: AOAC Research Institute was incorporated in December 1991 as a subsidiary of AOAC INTERNATIONAL. The AOAC RI is a non-profit, international, scientific organization. The AOAC Research Institute administers the Performance Tested Methods Program, and provides Consulting Services to assist development of analytical methods. The Performance Tested Methods Program provides an independent third-party review of test kit performance claims. Test kits found to be in conformance with their claims are granted Performance Tested Methods status by the AOAC RI. The Performance Tested Methods status assures the test kit user that independent assessment has been conducted and the kit performs as claimed. The Performance Tested Methods Program provides a rapid entry point into the AOAC validation process and provides a rapid approval process. Performance Tested certified kits are evaluated for accuracy, precision, detection limits, false positive/negative rates, ruggedness cross-reactivity, stability, lot-to-lot consistency, matrix claims, and compared to an existing method.

PRODUCTS CERTIFIED: Analytical test kits.

ACCREDITATIONS/RECOGNITIONS: Test Kit Database Information (See website) lists organizations that recognize the test kit and/or method.

APA ENGINEERED WOOD ASSOCIATION**ACRONYM:** APA EWS**ADDRESS:** P.O. Box 11700,
Tacoma, Washington 98411-0700**PHONE:** 253-565-6600 **FAX:** 253-565-7265**E-MAIL:** help@apawood.org**URL ADDRESS:** <http://www.apawood.org/>

PURPOSE: EWS members produce more than 70 percent of the glued laminated timber (glulam) and the majority of the wood I-joists manufactured in North America. The trademarks of APA - The Engineered Wood Association and Engineered Wood Systems appear only on products manufactured by member mills and are the manufacturers' assurance that the products conform to the standard shown on the trademark. That standard may be a(n): APA Performance Standard-Voluntary Product Standard PS 1-95 for Construction and Industrial Plywood; or Voluntary Product Standard PS 2-92 for Wood-Based Structural-Use Panels. Engineered wood products bearing the EWS mark are manufactured in accordance with an APA or a national standard such as ANSI Standard A190.1, American National Standard for Structural Glued Laminated Timber. Quality of all APA and EWS trademarked products is subject to verification through APA audit. Quality inspection and testing is an integral part of APA's mission. APA maintains four quality-testing laboratories in key producing regions, and has a staff of 29 experienced auditors and 13 laboratory technicians. Additional work is carried out at APA's sophisticated research center in Tacoma, Washington. APA auditors make unannounced visits to member mills and work regularly with mill staff to solve production issues that affect product quality and efficient manufacturing. Under a new program called QMS (Quality Management System), APA and its OSB and plywood member mills are in the process of implementing an updated method of third-party certification in the structural panel industry. The APA QMS places emphasis on mill quality control programs rather than relying on testing and inspection of the finished product. This approach, which was developed in conjunction with APA members and is based on ISO 9000, has been applied with considerable success in other industries.

PRODUCTS CERTIFIED: Composite panels, glued laminated timber, I-joists, exterior siding, laminated veneer, lumber, oriented strand board, plywood, rim board, specialty wood products

APPLIED RESEARCH LABORATORIES**ACRONYM:** ARL**ADDRESS:** 5371 NW 161st St
Hialeah, FL 33014**PHONE:** 305-624-4800

PURPOSE: To provide independent inspection, testing, and engineering services to all industries.

PRODUCTS CERTIFIED: Elevators and escalator electrical equipment; door assemblies; gas appliances; gas-fired construction heaters; gas food service equipment; direct gas-fired industrial air heaters; amusement and gaming machines; electric wired cabinets; electric panelboards; electric-motor-operated appliances; elevator doors; electric water heaters; factory-made air ducts and air connectors; commercial electric cooking appliances; power outlets; windows and window systems; refrigerated medical equipment; commercial refrigerators and freezers; dehumidifiers; electric heating appliances; specialty transformers; electric industrial control equipment; electric medical and dental equipment; fire dampers; ice makers; electric dry-cleaning machines; underwater lighting fixtures; exhaust hoods for commercial cooking equipment; oil-fired air heaters and direct-fired heaters; household electric dishwashers; motor-operated water pumps; commercial-industrial gas-heating equipment; electric boilers; motor control centers; electric ranges; electric motors; electric household cooking and food-serving appliances; lamp ballasts; electric swimming pool pumps, filters and chlorinators; laboratory equipment; motor-operated air compressors, vacuum pumps and painting equipment; lighting fixtures; transformers; low voltage landscape lighting systems; heating and cooling equipment; duct heaters; fixed and location-dedicated electric room heaters; electric clothes washing machines and extractors; electric clothes dryers.

LAB ACCREDITATIONS: OSHA

ASSOCIATED LABORATORIES, INC

ACRONYM: ALI

ADDRESS: P.O. Box 152837
Dallas TX 75315

PHONE: 214-565-0593, 214-565-0594, 214-565-1400

FAX: 214-565-1094

URL ADDRESS: <http://www.assoc-labs.com/>

PURPOSE: Manufacturers enrolled in any of our quality assurance programs submit their samples to any one of the many approved testing laboratories throughout the United States. The laboratory conducts the required performance tests and reports its findings to ALI. After the test results are reviewed for conformance to test and design requirements, ALI issues the manufacturer a Notice of Product Certification, which includes product listing in ALI's widely consulted Certified Products Directory. ALI's involvement as a third-party administrator, that validates the integrity of test results, removes a considerable burden from the shoulders of the manufacturer. Currently, more than 400 clients throughout North America participate in our certification programs, and that number is growing daily. ALI actively participates with manufacturer's associations and various other national and regional code-writing bodies to remain at the leading edge of the certification industry. Through ongoing involvement with various

code-writing bodies, ALI is also able to inform its certification clients of the latest developments in regulations that affect their industries. ALI is a certification and testing laboratory that is primarily focused on the fenestration industry. The American Architectural Manufacturers Association (AAMA) contracts with ALI for the validation and administrative functions of their certification programs of windows and doors for new construction, replacement and manufactured housing applications. ALI inspects all participating manufacturers facilities to assure that the products or services bearing the AAMA mark or symbol do, in fact, conform to the requirements of the standard. ALI administers the AAMA Component Verification program, detailing the requirements of testable components used in AAMA certified products. ALI also administers AAMA's participation as an Inspection Agency for the National Fenestration Rating Council (NFRC). NFRC is an independent, non-profit organization made up of representatives from manufacturers, suppliers, builders, specifiers, architects, state code and energy offices, utilities and consumer groups. As part of the National Energy Policy Act of 1992, Congress directed the U.S. Department of Energy to monitor and evaluate NFRC's results. NFRC has developed a single, uniform system for rating and labeling the energy performance of all windows, doors and skylights.

PRODUCTS CERTIFIED: Carpet, carpet cushion, paints, sealants, sealed insulated glass, security systems for windows and doors, weather-stripping, window screening.

ACCREDITATIONS/RECOGNITIONS: ALI programs have been accredited by the American National Standards Institute (ANSI) and recognized by agencies of the federal government.

CSA INTERNATIONAL

ADDRESS: Cleveland, OH
 8501 East Pleasant Valley Road
 Cleveland, OH 44131-5575 USA
PHONE: 216-524-4990
FAX: 216-642-3463
E-MAIL: george.gruss@csa-international.org

Charlotte, NC
 5970 Fairview Road #416
 Charlotte, NC 28210
PHONE: 704-552-5125
FAX: 704-552-0683
E-MAIL: todd.strothers@csa-international.org

Dallas, TX
 208 Billings Street,
 Suite 190, Arlington Oaks Office Park ,
 Arlington, TX 76010
PHONE: 817-652-9600
FAX: 817-652-9884
E-MAIL: george.gruss@csa-international.org

Nashville, TN

639 East Main Street - B202
Hendersonville, TN 37075
PHONE: 615-822-9952
FAX: 615-822-9311
E-MAIL: david.hughes@csa-international.org

Irvine, CA
2805 Barranca Parkway
Irvine, CA 92606-5114
PHONE: 949-733-4300
FAX: 949-733-4320

URL ADDRESS: <http://www.csa-international.org>

PURPOSE: Conducts performance and safety tests to prevent fire, shock and mechanical hazards on products sold in North America and worldwide.

AREAS OF TESTING: acoustic/vibration; chemical testing; chromatography; electrical/electronic testing; mechanical testing; metrology; nondestructive evaluation; optics/photometry; radiation, ionizing; spectroscopy; thermal analysis; thermal/fire testing.

PRODUCTS CERTIFIED: HVAC equipment; appliances (electric and gas); other liquid petroleum products; motor-operated tools, hearth products, hydronic products, components and accessories, windows and doors; plumbing products; drinking water products; electrical and electronic products for EMC and energy efficiency; hazardous location products/equipment.

LAB ACCREDITATIONS: OSHA, SCC, NVLAP.

CAST IRON SOIL PIPE INSTITUTE**ACRONYM:** CISPI**ADDRESS:** 5959 Shallowford Road, Suite 419
Chattanooga, TN 37421**PHONE:** 703-869-4617**URL ADDRESS:** <http://www.cispi.org/>

PURPOSE: The Cast Iron Soil Pipe Institute (CISPI) was organized in 1949 by the leading American manufacturers of cast iron soil pipe and fittings. The Institute is dedicated to aiding and improving the plumbing industry. Through the preparation and distribution of technical reports, we seek to advance interest in the manufacture, use and distribution of cast iron soil pipe and fittings, and through a program of research and the cooperative effort of soil pipe manufacturers, we strive to improve the industry's products, achieve standardization of cast iron soil pipe and fittings, and provide a continuous program of product testing, evaluation and development. Assurance that pipe and fittings meet the approved standards and tolerances of the Institute is provided by registered trade mark, which are the collective marks all member companies may place on their products.

PRODUCTS CERTIFIED: Cast iron soil pipe and fittings.

CEDAR SHAKE AND SHINGLE BUREAU**ACRONYM:** CSSB**ADDRESS:** P.O. Box 1178
Sumas, WA 98295-1178**PHONE:** 604-820-7700 **FAX:** 604-820-0266**E-MAIL:** info@cedarbureau.com**URL ADDRESS:** <http://www.cedarbureau.org/>

PURPOSE: The Cedar Shake & Shingle Bureau is the non-profit industry association that represents Certi-label brand product manufacturing members, distributors, wholesalers, retailers, Approved Installers, Roof Maintenance Technicians and other associates. Founded in 1915, the Cedar Bureau administers a quality assurance program, lobbies for building code acceptance of Certi-label products, provides quality marketing services, and protects the viability of the cedar shake and shingle roofing and sidewall industries. Member mills that market shingles and shakes under the labels of the Cedar Shake & Shingle Bureau are bound together by a rigid quality code. Unscheduled checks conducted by expert shingle and shake inspectors assure that the products are of the highest grade attainable-top quality materials graded, packed, labeled, and shipped according to strict standards.

PRODUCTS CERTIFIED: shingles, shakes.

CELLULAR TELECOMMUNICATIONS INDUSTRY ASSOCIATION**ACRONYM:** CTIS**ADDRESS:** 1250 Connecticut Avenue, NW, Suite 800
Washington, DC**PHONE:** 202-785-736-3896 **FAX:** 202-466-7239**URL ADDRESS:** <http://www.wow-com.com/>

PURPOSE: The CTIA Certification Program is a testing program designed ensure that mobile phones perform according to industry standards. CTIA's Certification Program is a separate voluntary testing program. While CTIA represents the vast majority of cell phone manufacturers, participation in the certification program is optional. The purpose of the CTIA Certification Program is to ensure subscriber satisfaction with carrier networks. By encouraging wireless subscriber station conformance with established industry standards, the certification program impartially identifies subscriber stations that conform to industry standards through independent verification. The identification of requirements and test procedures are available through published CTIA Certification Program test plans. Test plans are based on existing industry standards (ANSI, ETSI, EIA/TIA standards) for AMPS, NAMPS, TDMA, GSM-1900, and CDMA wireless subscriber stations. Electronic copies of several test plans can be downloaded at TestMark Laboratories. The CTIA Certification Program incorporates extensive testing based on industry standards. Testing is much broader in scope than the FCC's or DOC's type acceptance testing. The North American cellular industry launched the voluntary certification program in September, 1991 at the request of the carriers. Since then, the original AMPS program has been expanded to include dual-mode NAMPS, dual-mode dual-band TDMA, dual-mode dual-band CDMA, dual-mode dual-band GSM-1900, and Authentication. All CTIA Certified wireless subscriber stations also incorporate Authentication. To assist in the identification of authentication-capable subscriber stations, CTIA created the Authentication Seal. As an objective certification body, CTIA contracts independent regulatory recognized test laboratories to perform certification testing. On October 1, 1996, CTIA selected Intertek Testing Services/Testmark Laboratories for testing and consulting services for selected CTIA Certification Programs. CTIA had also selected CETECOM, GmbH for testing and consulting services for the CTIA GSM-1900 Certification Program. Mobile stations are identified by model number, software/firmware revision number and FCC or DOC type acceptance numbers for purposes of the Certification Program. Each unit is certified individually, however, multiple certification awards may be granted to units which are determined to be identical to certified units. When a phone passes certification, the manufacturer earns the right to exhibit the CTIA Certification Seal and/or the CTIA Authentication Seal on the phone and its packaging and to use the seals in their advertising. The Certification and Authentication Seals, in turn, signifies to consumers that the phone meets or exceeds the industry's performance standards. Wireless subscriber stations meeting the program requirements are certified for 18 months before they must be recertified. To ensure conformance throughout the 18 month certification period, CTIA may randomly re-test previously certified

units at the discretion of the CTIA Certification Program Operations Manager. CTIA controls the program's administrative procedures and the Program Management Document that outlines the program requirements. The program is administered by the CTIA Certification Program Operations Manager. Over 17 manufacturers currently participating and hundreds of different models of phones certified to date.

PRODUCTS CERTIFIED: Mobile phones.

CERTIFIED BALLAST MANUFACTURERS ASSOCIATION

ACRONYM: CBM

ADDRESS: 355 Lexington Avenue, 17th Floor
New York, NY 10017-6603

PHONE: 212-297-2122 **FAX:** 212-370-9047

URL ADDRESS: <http://www.certbal.org/>

PURPOSE: Ballasts which carry the CBM seal assure customers that the product meets or exceeds the requirements of ANSI (American National Standards Institute) C82.1 for magnetic types and C82.11 for high frequency (electronic) types and associated ANSI Standards (C82.2 method of measurement, C82.3 defining the reference ballast, and C78.1, C78.2 or C78.3 depending on the type of lamp to be operated). Being "CBM Certified" means that ballasts provide specified lamp performance including specified light output and lamp starting from the "certified for use" types listed on the label. It also means that the ballasts meet the standards of ANSI/UL 935, are listed by a nationally recognized testing laboratory and provide efficient use of energy, operating at high power factor to minimize line current. This assurance is backed by the CBM check-up. Periodically, as often as monthly, independent Intertek Testing Services/ITS visits each participant's manufacturing facilities, selects random samples of "CBM Certified" ballasts from production or stock and tests them to make sure they continue to measure up. Procedures are in place to notify and cause appropriate action from the participant regarding any non-compliance. A challenge procedure provides participants and the public with the opportunity to challenge the performance of product purchased in the marketplace. This challenge procedure works to prevent participants from allowing substandard product from reaching the market. The industry does an excellent job of policing the use of the "CBM Certified" seal. Applicants should write a letter to the Secretary of CBM, requesting participation in the program. A non-refundable application fee must accompany the application. Upon receipt of the application and fee, CBM will notify the participant and the certifying laboratory, Intertek Testing Services/ITS, (ITS), that the participant is authorized to send qualification samples to the certifying laboratory. CBM also provides the applicant with a copy of the Procedural Guide which explains all phases of the program. (A copy of the Procedural Guide may be obtained before applying for the CBM program for a fee. ITS then tests sample ballasts. The manufacturer pays scheduled fees for these services. ITS notifies participant and CBM of test results. If the tests are passed, CBM then sends two copies of the CBM Ballast Certification Program Participation Agreement to the

applicant for signature and return. Upon return of the agreements, CBM sends reproducible art of the seal "CBM Certified by ITS" to aid in the preparation of labels. CBM notifies ITS to schedule a factory survey and get additional samples. A quality program analysis is made by the laboratory to make sure that the manufacturer has established procedures for testing and quality. The evaluator visits the factory, conducts the survey and collects samples of each certified catalog number for further tests. The cost of this survey and pickup is paid by the applicant (a fee plus travel expenses). The participant bears the cost of shipment to the laboratory of all sample selections and sample selections must be received by the laboratory within a specific time frame. ITS tests the second sample selection. The confirmation tests are performed within two weeks from the date of receipt of the second samples. If the second samples pass, and ITS notifies CBM that all fees have been paid, CBM executes the Participation Agreement. Upon completion of all requirements and signing of the agreements, the manufacturer is authorized to place d i.e. CBM mark on each "equal to the sample" of the catalog numbers certified, which must be done within 30 days of notification. CBM advises ITS to initiate follow up service. Follow up service is an important part of the assurance factor of the program. Throughout the year, unannounced visits are made by the certifying laboratory inspectors and samples of each certified catalog number are selected for further tests. This is assurance that CBM standards continue to be met. All participants submit monthly reports of unit sales on the certified item to the laboratory and make payments according to a schedule of fees, for both testing services and advertising & promotion, graduated by sales volume.

PRODUCTS CERTIFIED: Fluorescent lamp ballasts.

COOLING TOWER INSTITUTE

ACRONYM: CTI

ADDRESS: P.O. Box 73383
Houston, TX 77273

530 Wells Fargo Drive, Suite 218
Houston, TX 77090

PHONE: 281-583-4087 **FAX:** 281-537-1721

E-MAIL: vmanser@cti.org

URL ADDRESS: <http://www.cti.org>

PURPOSE: For nearly thirty years, the Cooling Technology Institute has provided an independent, third party, thermal performance testing service to the cooling tower industry. In 1995, the CTI also began providing an independent, third party, drift performance testing service as well. Both these services are administered through the CTI Multi-Agency Tower Performance Test Program and provide comparisons of the actual operating performance of a specific tower installation to the design performance. By providing such information on a specific tower installation, the CTI Multi-Agency Testing Program stands in contrast to the CTI Cooling Technology Certification Program which certifies all models of a specific manufacturer's line of cooling towers perform in accordance with their published thermal ratings. To be licensed as a CTI Cooling Tower Performance Test Agency, the agency must pass a rigorous screening process and demonstrate a high level of technical expertise. Additionally, it must have a sufficient number of test instruments, all meeting rigid requirements for accuracy and calibration. Once licensed, the Test Agencies for both thermal and drift testing must operate in full compliance with the provisions of the CTI License Agreements and Testing Manuals, which were developed by a panel of testing experts specifically for this program. Included in these requirements are strict guidelines regarding conflict of interest to insure CTI Tests are conducted in a fair, unbiased manner. Cooling tower owners and manufacturers are strongly encouraged to utilize the services of the licensed CTI Cooling Tower Performance Test Agencies.

PRODUCTS CERTIFIED: Cooling towers, cooling tower performance testing agencies.

CORPORATION FOR OPEN SYSTEMS INTERNATIONAL

ACRONYM: COS

ADDRESS: 8260 Willows Oaks Corporate Drive
Fairfax, VA 22130

PHONE: 703-205-2700 **FAX:** 703-846-8590

PURPOSE: COS was founded in 1986 by a coalition of computer and communications manufacturers, major commercial and industrial users of networked systems, elements of the civilian and defense arms of the United States government and foreign government and commercial organizations. It includes the North American MAP/TOP Users Group and has numerous university, trade and user group association affiliates. COS selects and implements test suite specifications and profiles based on international OSI/ISDN and related standards, contributes to the setting of conformance testing standards, and administers a product certification program - the COS MARK - which serves as a means of

promoting high quality conformance and interoperability testing for OSI/ISDN products and services and is an indicator to prospective product purchasers of product interoperability. COS also works with users of open systems to promote the necessary requirements for enterprise, multi-vendor interoperability

PRODUCTS CERTIFIED: OSI/ISDN products and services.

DRIED FRUIT ASSOCIATION OF CALIFORNIA

ACRONYM: DFA

ADDRESS: 710 Striker Avenue
Sacramento, CA 95834-1112

PHONE: 916-561-5900 **FAX:** 916-561-5906

URL ADDRESS: <http://www.dfaofca.com/>

PURPOSE: DFA is a non-profit organization whose membership includes cooperatives, independent packers and grower packers of more than 95% of California's dried fruit and tree nut production. DFA of California has been ensuring food quality and standards since 1908. Since the 1930's, it has conducted quarterly unannounced sanitation inspections at member facilities since 1954. The Food and Drug Administration has recognized our sanitation program for its excellence. A partnership was formalized in 1995 between DFA of California and FDA, in which FDA recognized DFA's expertise in food safety and sanitation. Unannounced inspections examine the facility in a comprehensive manner where every aspect of the production facility is evaluated. This program has been successful by ensuring that members' products are top quality and produced under the most safe and sanitary conditions possible. The inspections are unannounced and highly effective in assisting the company in complying with food safety and GMP regulations. If a member facility receives an unsatisfactory rating, and the problems are not corrected within a specified period of time, DFA, as part of the partnership agreement, is mandated to turn the facility over to FDA. Recently DFA has authorized the inspection of non-member facilities. DFA applies the same rigorous standards to non-member facilities to ensure a complete and thorough evaluation.

PRODUCTS CERTIFIED: Dried fruit.

ACCREDITATIONS/RECOGNITIONS: Has a cooperative relationship with FDA.

ECOLAB, INC., PACKAGING TESTING SERVICES**ACRONYM:** PTS**ADDRESS:** 940 Loan Oak Road
Eagan, MN 55121**PHONE:** 612-688-1647 **FAX:** 612-688-1638**PRODUCTS CERTIFIED:** Packaging.**ACCREDITATIONS/RECOGNITIONS:** DOT approved; United Nations
third-party packaging certification agency.**EDUCATED SAFETY SERVICES, A DIVISION OF EDUCATED DESIGN & DEVELOPMENT, INC.****ACRONYM:** ESS**ADDRESS:** 2200 Gateway Center Blvd., Suite. 215
Morrisville, NC 27560**PHONE:** 919-469-9434 **FAX:** 919-469-5743**PURPOSE:** Educated Design & Development Inc is active in the following
in the electrical safety area.**FACTORY MUTUAL RESEARCH CORP.****ACRONYM:** FM or FMRC**ADDRESS:** 1151 Boston-Providence Turnpike
Norwood, MA 02062**PHONE:** 781-762-4300 **FAX:** 781-762-9375**URL ADDRESS:** <http://www.fmglobal.com/>**PURPOSE:** Internationally recognized organization, which conducts
research, writes standards, and conducts product certification to
benefit property loss control. FMRC provides independent third-party
laboratory services used to obtain product certification to
internationally recognized reliability standards.**AREAS OF TESTING:** Acoustic/vibration, chemical testing,
electrical/electronic testing, electrostatic, mechanical testing,
nondestructive, evaluation, thermal/fire testing**PRODUCTS CERTIFIED:** Automatic sprinkler systems; combustion safeguards;
electrical signaling; fire pump installation systems; fixed
extinguishing systems; flammable gas equipment; flammable liquid
equipment; fuel & combustion controls; gas detection instruments; gas
safety shutoff valves; household fire protection equipment; hydrants &
hose; industrial trucks; oil safety shutoff valves; portable
extinguishers; automatic material handling systems; dry cleaning

equipment; solvent machines, electrical and electronic equipment; information technology; electrical laboratory equipment; electronic measuring equipment; process control equipment; testing equipment; electrical heat tracing systems; electrostatic neutralizing equipment; general utilization equipment; laundry equipment; material level-limit switches; material level indicators; nonflammable transformer fluids; electrical supply equipment; transformer fluids; hazardous classified) location electrical equipment; electrical circuit protective systems; other electrical equipment and components; grouped cables; building materials; air handling systems and components; building insulation products and systems; cooling towers; damage-limiting construction; roofing and siding products; fire doors and windows and frames; fire door testing devices; fire protective coatings; heat and smoke vents for roofs; idle material handling; interior finish materials; plastic building panels; suspended ceilings, plastic; windstorm resistant fenestration products; environmental air ducts/fibrous glass; filters/clean room; fume and/or smoke exhaust duct systems; fasteners for use in roof construction.

LAB ACCREDITATIONS: OSHA.

FITZSIMMONS & ASSOCIATES, INC.

ACRONYM: RVF

ADDRESS: 1860 Arthur Dr.
West Chicago, IL 60185

PHONE: 630-231-0680 **FAX:** 630-231-0811

E-MAIL: rvf@therightstuff.com

URL ADDRESS: <http://www.therightstuff.com/>

PURPOSE: RV Fitzsimmons & Assoc. Inc., founded in 1974, is a chemical analytical laboratory for analysis of all materials including metals, polymers, resins, & rubbers.

PRODUCTS CERTIFIED: Adhesives, air, alloys, asphalt, coatings, cosmetics, detergents, dyes, environmental, fats & oils, flammability, fuels, glues, wastes, hydrocarbons, lubricants, sealants, paints, paper products, petrochemicals, plastics, resins & rubbers, sewage, soils, solvents, water, waxes.

GOOD HOUSEKEEPING INSTITUTE**ACRONYM:** GHI**ADDRESS:** Letters Editor
Good Housekeeping,
959 Eighth Ave.
New York, NY 10019.**FAX:** 212-649-2378.**URL ADDRESS:** <http://goodhousekeeping.women.com/gh/index.htm>

PURPOSE: The Good Housekeeping Institute is the consumer product evaluation laboratory of Good Housekeeping magazine. Founded in 1900 for the purpose of consumer education and product evaluation, the Good Housekeeping Institute reviews all advertisements submitted to the magazine; only those that it finds acceptable are published, and those advertisers become eligible to earn the Good Housekeeping Seal. Since 1909, the Good Housekeeping Seal has been a highly recognized statement of the magazine's renowned Consumers' Policy. The Good Housekeeping Consumers' Policy, published in every issue of the magazine, states that if a product bearing the Seal proves to be defective within two years of purchase, Good Housekeeping will replace the product or refund the purchase price. Advertisers whose products are found acceptable may elect to use the Good Housekeeping Seal in the ads, on their packaging, and in other promotions at no additional fee. Good Housekeeping also offers Web Site Certification. To obtain certification, a site and its products must be in good taste, consistent with the editorial philosophy of Good Housekeeping magazine. The site must be fully operational when reviewed by the Good Housekeeping Institute, provide useful information, be easy to navigate, have a clearly defined privacy policy, and full disclosure of the use of "cookies" and how they can be disabled/deleted. The site cannot disable a Back or Home button or browser. Sites accepted will be re-evaluated regularly.

PRODUCTS CERTIFIED: Websites, consumer products.**HAMPTON ROADS TESTING LABORATORIES, INC.****ACRONYM:** HRT**ADDRESS:** 611 Howmet Dr.
Hampton, VA 23661-1390**PHONE:** 757-826-5310 **FAX:** :757-827-1366**E-MAIL:** hrt@hrtcoal.com**PURPOSE:** Conducts coal, coke, oil sampling and analysis; petroleum coke sampling and analysis.**HARTFORD STEAM BOILER INSPECTION & INSURANCE COMPANY****ACRONYM:** HSB

ADDRESS: One State Street
 P.O. Box 5024
 Hartford CT 06102-5024

PHONE: 860-722-1866 **FAX:** 860-722-5106

URL ADDRESS: <http://www.hsb.com/>

PURPOSE: HSB is the world's largest Authorized Inspection Agency (AIA) accredited by The American Society of Mechanical Engineers (ASME)®. HSB's staff of inspectors and supervisors provide inspection services for boilers, pressure vessels, nuclear components and process and power plants around the world. Services also include pressure vessel and piping design, finite element analysis, and quality assurance program development. HSB also offers assistance in complying with U.S. DOT and Canadian Transport Commission regulations for tank trucks and other devices/cylinders used in over-the-road and rail transportation.

PRODUCTS CERTIFIED: Boilers, pressure vessels, nuclear components and processes, power plants.

ACCREDITATIONS/RECOGNITIONS: American Society of Mechanical Engineers.

HEAD PROTECTION RESEARCH LABORATORY - UNIVERSITY OF SOUTHERN CALIFORNIA (USC)

ACRONYM: HPRL-USC

ADDRESS: 6409 Alondra Blvd.
 Paramount, CA 90723-3759

PHONE: +1 562 529 3295 **FAX:** +1 562 529 3297

E-MAIL: info@hprl.org

URL ADDRESS: <http://www.hprl.org/>

PURPOSE: Compliance testing of protective headgear to ASTM, CPSC, ANSI, DOT, SFI, etc. standards. Also, conducts testing of playing surfaces and sports mats.

PRODUCTS CERTIFIED: Helmets for motorcycle, motor sports, bicycle, aviation, equestrian, industrial, fire, and riot helmets.

HYDRONICS INSTITUTE - THE DIVISION OF GAMA (FORMERLY THE INSTITUTE OF BOILER AND RADIATION MANUFACTURERS)

ACRONYM: HI OR I=B=R

ADDRESS: 35 Russo Pl.
 P.O. Box 218
 Berkley Heights, NJ 07922

PHONE: 908-464-8200 **FAX:** 908-464-7818
EMAIL: gamaorg@aol.com

URL ADDRESS: <http://www.gamanet.org>

PURPOSE: The Gas Appliance Manufacturers Association (GAMA) is a national trade association whose members manufacture over 90 percent of all the residential, commercial and industrial gas appliances made in the United States. GAMA also represents manufacturers of certain products which use oil or electricity as their energy source. There are a number of product divisions within GAMA. Four of those, the Furnace Division, Hydronics Institute Division, Direct Heating Division and Water Heater Division, have developed separate efficiency certification programs which verify manufacturers' equipment efficiency ratings in accordance with federally mandated test procedures. The GAMA Furnace and Hydronics Institute Divisions sponsor the certification program for residential gas and oil central furnaces and boilers. The GAMA Direct Heating Division sponsors the efficiency certification program for vented gas room heaters, floor furnaces and wall furnaces. The GAMA Water Heater Division sponsors the efficiency certification program for residential gas, oil, electric (including heat pump type) water heaters, and commercial water heaters. Each of these programs operate independently of each other.

PRODUCTS CERTIFIED: Residential gas and oil central furnaces and boilers; vented gas room heaters; floor furnaces; wall furnaces; residential gas, oil, electric (including heat pump type) water heaters; commercial water heaters.

NATIONAL WOODEN PALLET AND CONTAINER ASSOCIATION

ACRONYM: NWPCA

ADDRESS: 1800 North Kent Street, Suite 911
 Arlington, VA 22209-2109

PHONE: 703-527-7667 **FAX:** 703-527-7717
E-MAIL: bpeters@palletcentral.com

URL ADDRESS: <http://www.nwpc.com/>

PURPOSE: The NWPCA is an international trade association representing the interests of manufacturers, recyclers and distributors of pallets. The SPEQ® Quality Assurance Program was developed in direct response to pallet user's concerns. SPEQ® Pallets are built to meet both the buyers' predetermined performance standard and NWPCA's Uniform Standard. SPEQ® Pallets are totally recyclable. SPEQ® Program offers total flexibility--choose new or repaired pallets, stringer or block pallets, internal or external pallet management, etc. The cornerstone of the SPEQ® Program is the Uniform Standard for Wood Pallets. To become a licensed SPEQ® supplier, a company must pass a series of stringent surprise quality inspections by an independent quality auditor. For most SPEQ® candidates, this requires adopting a

company-wide quality program. SPEQ® licensed Pallet professionals must also pass up to six unannounced quality audits per year to maintain their standing.

PRODUCTS CERTIFIED: Wooden pallets.

NEWSPAPER ASSOCIATION OF AMERICA

ACRONYM: NAA

ADDRESS: 1921 Gallows Road
Suite 600
Vienna, Va. 22182

PHONE: 703-902-1600

URL ADDRESS: <http://www.naa.org/>

PURPOSE: To ensure existing industry standards are met, NAA, in partnership with Rochester Institute of Technology and Harrington's Newsprint Testing, tests newsprint and black and color inks for characteristics that may affect printing quality. Newsprint is tested for: moisture content; grammage; caliper/parker print-surface roughness; optical properties (printing opacity, iso brightness, color $l^*a^*b^*$); and elmdorf tearing strength. Inks are tested for: color test (shade and strength), viscosity (Laray falling rod or Brookfield spindle); ink tack; ink grind; ad emulsification water pick-up. NAA has partnered with Harrington's Newsprint Testing to provide NAA members with quality newsprint testing. This program operates through newspaper members submitting samples from newsprint rolls they are using. The individual results are reported to the submitting paper. Sample turn-around time for this program is 10 days of receipt of sample. Quarterly reports allow newspapers to examine the overall newsprint properties being reported for each mill. They also show in general terms how consistent individual newsprint mills are in producing newsprint with the same properties and how much individual properties of the newsprint vary during the manufacturing process. These comparisons are possible through having a single lab using consistent operating procedures on the same equipment.

PRODUCTS CERTIFIED: Newsprint, inks.

NORTHWEST LABORATORIES OF SEATTLE

ACRONYM: NWL

ADDRESS: 241 South Holden St
Seattle, WA 98108

PHONE: 206-763-6252 **FAX:** 206-763-3949

E-MAIL: moreinfo@nwlabsl896.com

URL ADDRESS: <http://www.nwlabsl896.com/>

PURPOSE: NWL conducts product testing of: furniture & beds, playground surfaces, artificial turf, proof load testing, packaging, safety harnesses, car racing safety, tools, jacks & lifts, windows & doors, and sports equipment,

PRODUCTS CERTIFIED: furniture & beds, playground surfaces, artificial turf, proof load testing, packaging, safety harnesses, car racing safety, tools, jacks & lifts, windows & doors, sports equipment,

ACCREDITATIONS/RECOGNITIONS: NWL tests non-bulk packaging and packages in accordance with 49 CFR subpart M. Certification number is (USA/M4886). All of testing is done on fiberboard cases.

PENNIMAN & BROWNE, INC.

ACRONYM: P&B

ADDRESS: 6252 Falls Road
Baltimore, MD 21209

PHONE: (+1) 410-825-4131 **FAX:** (+1) 410-321-7384

E-MAIL: husteer@hotmail.com

PROFESSIONAL COIN GRADING SERVICE

ACRONYM: PCGS

ADDRESS: P.O. Box 9458
Newport Beach, CA 92658

PHONE: 800-447-8848 or 949-833-0600

E-MAIL: info@pcgs.com

URL ADDRESS: <http://pcgs.com/>

PURPOSE: The Professional Coin Grading Service began serving the coin-buying public on February 3, 1986. In addition to standardized grading, PCGS offered a cash-backed grading guarantee, problem-free coins, safe long-term storage, and sight-unseen trading. After 14 years of operation, PCGS has graded a total of 6,186,399 coins with a cumulative declared value of \$8,793,578,588. PCGS pioneered the tamper-evident, sonically-sealed, high security capsule as a method of reinforcing its Guarantee of Grade & Authenticity of each PCGS coin. In addition, the unique certification number permanently sealed inside each coin capsule may be utilized by the coin's owner as a reliable means of identification after the PCGS coin re-enters the marketplace. The Series Number and Coin Number used on the PCGS certification insert correspond to the numbers listed in the PCGS Guide to collecting coins.

PRODUCTS CERTIFIED: Coins.

SAFETY PLAY, INC.**ACRONYM:** SPI**ADDRESS:** 10460 Roosevelt Blvd., #295
St. Petersburg, Fl 33716**PHONE:** 1-888-878-0244 **FAX:** 727)-522-0061**E-MAIL:** safetyplay@mindspring.com**URL ADDRESS:** <http://www.mindspring.com/~safetyplay/>

PURPOSE: Provides a certificates that indicates that equipment complies with relevant laws, standards, and guidelines. A Certificate of Compliance is supplied when SPI has inspected and passed the recreation/playground/sports site, plans, or catalog items. Audits and Inspections are performed on equipment, layout, signage, and surfacing for: playgrounds, recreation areas, sports facilities

PRODUCTS CERTIFIED: Playgrounds, recreational areas, sports facilities.**SHUSTER, INC., HERBERT V.****ACRONYM:** SHUSTER**ADDRESS:** 5 Hayward Street
Quincy, MA 02171**PHONE:** 1-800-444-8705 or 617-328-7600 **FAX:** 617-770-0957**URL ADDRESS:** <http://www.hauser.com/Shusterframe.htm>

PURPOSE: Shuster, an independent R&D and testing laboratory, is one of the premier providers of contract services to the dietary supplements industry. Manufacturers of dietary supplements who can meet the program's quality criteria receive the Shuster "Seal of Quality" to put on their label. The Shuster Seal assures - to the industry, to retailers, and to the consumer - that a company and its products have achieved a high quality standard. The certification process starts by sending audit specialists to the facility. The audit ensures the facility is in compliance with all cGMP regulations. Specialists inspect the operation from start to finish—including manufacturing, warehousing, packaging, and testing facilities. A complete review of product and production records is conducted to validate compliance with DSHEA. After purchasing products from a variety of random retail locations, analytical, microbiological, physical, and sensory testing is performed. Potency, bioavailability, weight variability, microbial limits, product and package workmanship, labeling, and net content measurement testing is also conducted. Once the certification process has been completed, an independent Certification Review Board makes the final decision to award the Shuster Quality Seal. Re-certification is conducted an annual basis to ensure facilities and products are meeting the most recent guidelines and standards. Product quality is also monitored for compliance over the certification period.

1-800-444-8705.

PRODUCTS CERTIFIED: Dietary supplements.

ACCREDITATIONS/RECOGNITIONS: Facilities are registered with the FDA as a Drug Establishment and comply with regulations as specified in CFR 21, cGMP/GLP.

SMART WOOD PROGRAM

ACRONYM: SW

ADDRESS: Goodwin-Baker Building
61 Millet St.
Richmond, VT 05477 USA

PHONE: 802-434-5491 **FAX:** 802-434-3116

URL ADDRESS: <http://www.smartwood.org/>

PURPOSE: SmartWood is a program of the Rainforest Alliance, an international nonprofit environmental group. The purpose of SmartWood is to provide independent, objective evaluation of forest management practices, forest products, timber sources and companies, enabling the public to identify products and practices that do not destroy forests. SmartWood certifies forest products that come from "sustainable" or "well-managed" forests ("sources"). Candidate sources may include a natural forest, a plantation, a large commercial operation or a small-scale community project. SmartWood also certifies companies that process, manufacture or sell products made from certified wood, through "chain of custody" certification. SmartWood certification is voluntary. All producers of timber and companies processing or selling forest products from certified sources are eligible to apply for certification. SmartWood certification of forest "sources" is based on field review using SmartWood's generic guidelines, or, when available, country or bioregional guidelines which have been drafted in consultation with local experts and organizations, often in collaboration with the Forest Stewardship Council (FSC). In general, candidate operations must meet the following broad principles: 1) long-term security for the forest (i.e., it will not be cleared in the foreseeable future); 2) maintenance of environmental functions, including watershed stability and biological conservation; 3) sustained yield forestry production; 4) positive impact on local communities; and, 5) the existence of a system for long-term forest management planning, management and monitoring (including a written forest management plan). In the case of plantations, SmartWood does not endorse the conversion of standing forests to tree plantations, but will certify those that have been developed on previously deforested lands and/or that are a first step towards forest restoration. Certification of companies marketing SmartWood products (e.g., wholesalers, processors, retailers, brokers, etc.) is granted after chain of custody audits confirm that certified wood is being used in certified product lines. SmartWood sources are certified according to how closely they adhere to SmartWood principles and guidelines. Sources operating in very strict adherence to these principles, and having long-term data to support this, will be classified as "sustainable".

Sources that can demonstrate a strong operational commitment to the principles and guidelines will be classified as "well managed". SmartWood companies are chain of custody-certified according to whether all or some of their wood products come from certified SmartWood sources. An "Exclusive" SmartWood company sells forestry products made only from wood from SmartWood or other FSC-endorsed, certified sources. A "Non-Exclusive" SmartWood company sells products from both SmartWood or other FSC-endorsed certified sources and other non-certified origins. Certified sources and companies are required to pay an annual SmartWood program fee, plus all costs incurred in the performance of field assessments or on-site audits. A 3-person interdisciplinary team comprised of a forester, an ecologist and a social scientist typically conducts source assessments. SmartWood staff and local field agents conduct the assessments. These assessments last approximately one to two weeks. Members of an independent panel review Field reports. After input from review panel members, the SmartWood Program makes a final decision as to certification. All certified SmartWood sources and companies are subject to periodic field audits in order to maintain certification.

PRODUCTS CERTIFIED: Forests, forest products, timber sources and companies.

ACCREDITATIONS/RECOGNITIONS: The Forest Stewardship Council (FSC), a nongovernmental institution, sets standards for forestry certification programs worldwide and accredits certification organizations that comply with these standards. SmartWood was accredited by the FSC for natural forest management certification in early 1996, and is now undergoing review for accreditation of its plantation certification activities.

SMITH-EMERY COMPANY

ACRONYM: S-EC

CONTACT INFORMATION:

Marketing Departments:

Los Angeles - **PHONE:** 213-749-3411 **E-MAIL:** mktla@smithemery.com
 San Francisco - **PHONE:** 415-330-3000 **E-MAIL:** mktsf@smithemery.com
 Sacramento - **PHONE:** 916-374-0754 **E-MAIL:** mktsac@smithemery.com

URL ADDRESS: <http://www.smithemery.com/>

PURPOSE: Smith-Emery Company serves as a single source of testing and inspection for all construction related services in the commercial building market, from the soil to the roof. Smith-Emery offers a full range of inspection, testing and failure analysis services.

PRODUCTS CERTIFIED: Construction and building materials.

ACCREDITATIONS/RECOGNITIONS: Laboratory is approved by numerous agencies and city building departments, including: American Welding Society (AWS), American Society of Non-Destructive Testing (ASNT), International Conference of Building Officials (ICBO), American Concrete Institute (ACI), California Department of the State Architect

(DSA/OSHPD), National Voluntary Laboratory Accreditation Program (NVLAP), Cement and Concrete Reference Laboratory (CCRL), Special Inspection Committee (SIC) Peninsula, East Bay & Monterey Bay Areas, California Council of Testing & Inspection Agencies (CCTIA), Army Corps of Engineers, American Water Works Association, Office of Regulatory Services (ORS), Bay Area Rapid Transit (BART), Los Angeles City, Los Angeles County, City of Beverly Hills, City of Santa Monica, City of Burbank, City of Culver City, City of San Francisco - Registered L.B.E., and County of San Francisco.

SNOWMOBILE SAFETY AND CERTIFICATION COMMITTEE, INC.

ACRONYM: SSCC

ADDRESS: 271 Woodland Pass
Suite 220
East Lansing, Michigan 48823

PHONE: 517-332-0886 **FAX:** 517-332-1760

PURPOSE: This Committee was formed to establish standards for the industry. The four major manufacturers belong to the SSCC. These manufacturers build almost all the snowmobiles manufactured in North America. Since February 1, 1975, all participating manufacturers have placed a certification label on their snowmobiles. These snowmobiles are certified to exceed federal government standards in Canada and state government standards in the United States. Under the SSCC machine safety standards program, an independent testing company as being in compliance with all SSCC safety standards certifies snowmobiles. The SSCC independent certification program covers every vital component of the snowmobile; electrical, lighting and brake systems; alternate starting system; emergency control; brake and throttle controls; fuel system; reflectors; handgrips; seat; shields and guards. The SSCC standard sets maximum permission sound levels of no more than 78dB(A) at 50 feet when the snowmobile is traveling at full throttle and no more than 73 dB(A) at 50 feet when the snowmobile is traveling at 15 mph. The SSCC standard exceeds state government standards in all snowbelt states. Under Transport Canada regulations, all new snowmobiles sold in Canada since 1987 are required to meet the current SSCC standards. The Compliance of a snowmobile with the SSCC standard is indicated by the SSCC's black and white certification label, which is generally placed on the right rear tunnel of the machine. These labels are distributed to the manufacturers only after an independent testing laboratory determines that the model is in compliance with the SSCC standard.

PRODUCTS CERTIFIED: Snowmobiles.

**SOCIETY OF AUTOMOTIVE ENGINEERS,
PROGRAM ONE: ENGINE OIL AND GEAR LUBRICANTS
PROGRAM TWO: BRAKE LINING REVIEW PROGRAM**

ACRONYM: SAE

ADDRESS: 161 Thornhill Road

Warrendale, PA 15086-7527

PHONE: 724/772-1616 **FAX:** 724/772-1699

URL ADDRESS: <http://www.sae.org/servlets/index>

PURPOSE: Two active programs currently exist under SAE's Performance Review Board (PRB). The first of these is the Lubricant Review Institute (LRI). The LRI was established in 1977 to assist the U.S. Army in the qualification of lubricants used in military vehicles. A panel of experts review test hardware and test results on lubricant formulations and make recommendations on the acceptability of these results to the U. S. Army.

In 1993 the American Trucking Associations Truck Maintenance Council (TMC) requested the Society of Automotive Engineers (SAE) develop a program using data generated from tests run in accordance with TMC's Recommended Practice 628 and Federal Motor Vehicle Safety Standard(FMVSS) 121 to evaluate after-market heavy-duty truck brake linings. Brake linings reviewed against these criteria would then be published on a list for use by industry as a tool in selecting proper after-market brake lining replacements. SAE established the procedures and created the Brake Lining Review Institute in 1994. The Brake Lining Review Committee under the guidance of the SAE's Performance Review Board administered the program. Based on PRI's success in administering third party review programs, and their desire to develop qualified product lists for the automotive industry, it was agreed to transfer this activity from SAE to PRI in early 2000. The program exists today within the PRI structure. The Review Committee and procedures are essentially the same as when the program was administered by SAE.

PRODUCTS CERTIFIED: Lubricants, heavy truck brake linings.

TERRALAB ENGINEERS, INTERNATIONAL

ACRONYM: TEI

ADDRESS: 4030 South 500 West, Suite 50
P.O. Box 7025
Murray, UT 84123

PHONE: 801-262-2332 **FAX:** 801-262-2363

UNITED STATES AUTO CLUB PROPERTIES, INC. (A WHOLLY OWNED SUBSIDIARY OF THE U.S. AUTO CLUB)

ACRONYM: NONE

ADDRESS: c/o United States Auto Club
4910 West 16th Street
P.O. Box 24001
Speedway, Indiana 46224

PHONE: 317-247-5151 **FAX:** 317-247-0123

E-MAIL: usacracing@iquest.net

URL ADDRESS: <http://www.usacracing.com/>

PURPOSE: USAC was founded in September 1955, and operates as a non-profit, democratic sanctioning body governed by a board of directors. With the main office located in Indianapolis, Indiana and a West Coast office in Rancho Cordova, California. USAC is a member organization of the Automobile Competition Committee of the United States (ACCUS-FIA), which provides a direct link with the international motorsports governing body, the FIA. USAC's primary role is to establish and enforce regulations for racing events for which its services have been retained by race organizers. USAC operates five divisions of automobile racing and annually sanctions and conducts some 150 events. In addition, USAC Properties Inc., a wholly owned subsidiary of USAC, conducts land speed record trials and automotive testing for many leading manufacturers in the United States. The driving force behind everything USAC does is the desire to present the safest, most competitive and exciting racing event possible for the thousands of fans across the nation that enjoy USAC racing.

PRODUCTS CERTIFIED: Automobile and automotive products.

UNITED STATES GOLF ASSOCIATION

ACRONYM: USGA

ADDRESS: PO Box 708
Far Hills, NJ 07931

PHONE: 908-234-2300 **FAX:** 908-234-9687

URL ADDRESS: http://www.usga.org/test_center/index.html

PURPOSE: The USGA continually tests golf equipment for conformity to the Rules. Without such rigorous equipment testing and research programs, advances in technology could soon overtake skill as the major factor in success. The USGA Research and Test Center opened in 1984 to support the USGA's role establishing equipment standards for the game of Golf. The Test Center's activities involve not only golf equipment manufactured in the United States, but also, in cooperation with the Royal and Ancient Golf Club of St. Andrews, equipment which is manufactured worldwide. The Research and Test Center consists of a 14,000 square foot building and an outdoor test range. Equipment in the building with high ceilings allows testing indoors year round. The outdoor test range is maintained by the USGA Green Section to provide consistent turf conditions for outdoor testing. The USGA Research and Test Center tests more than 20,000 golf balls every year. United States Golf Association has also compiled a list of driving clubs that do not conform to its test adopted in October of 1998 measuring spring-like effect. These clubs are prohibited from use in golf competitions in the United States and Mexico conducted under USGA Rules. The USGA has examined more than 900 golf clubs to determine compliance with its spring-like effect standard.

PRODUCTS CERTIFIED: Golf balls, clubs and equipment.

VARTEST INTERNATIONAL, INC. TEXTILE TESTING SERVICES**ACRONYM:** VII/TTS**ADDRESS:** 19 W 36th St Fl 10
New York, NY 10018**PHONE:** 212-947-8391

WOOLMARK COMPANY**ACRONYM:** None**ADDRESS:** 1633 Broadway, 23rd Floor
New York
NY 10019-6708**PHONE:** (00 1) 646-756-2530 **FAX:** (00 1)646-756-2538**E-MAIL:** jennifer_morgan@wool.com**URL ADDRESS:** <http://www.woolmark.com/>

PURPOSE: IWS Technical Center strengthens the Woolmark symbol through constant quality control testing to ensure that the products labeled with Woolmark symbol meet the highest quality standard. The quality control tests carried out are stringent and standardized throughout the world, through the IWS. These quality control tests ensure a high level of product performance for the consumer. The Woolmark is a certification mark used on pure wool products, which meet IWS international standards of quality. The new IWS Technical Center will ensure that those international standards are maintained for the consumers in the Americas. The Woolblend Mark identified products made of a minimum of 60 percent wool. The Woolmark, introduced by the IWS in 1964, is one of the best-known textile symbols in the world. Manufacturing companies in the fields of womenswear, menswear and knitwear whose products pass the test can then apply for the Woolmark license. Once the licensing process is complete, the manufacturer can apply the highest recognizable Woolmark labels to their approved garments. A series of tests are performed on the submitted products and further testing is carried out if the product promotes such special qualities as machine washability. The first test always carried out is for fiber content, as the product must be composed of 100 percent pure wool fiber to earn the Woolmark. Other tests routinely performed at the testing facility will include: color fastness, abrasion, tensile strength, shrinkage and seam slippage.

PRODUCTS CERTIFIED: Woolen textiles and woolen garments.

APPENDIX II

Publications on Standards and Conformity Assessment Activities
Office of Standards Services
National Institute of Standards and Technology
100 Bureau Drive, MS 2100
Gaithersburg, Maryland 20899-2100

(See last page for ordering information)

The ABC's of Standards-Related Activities in the United States (NBSIR 87-3576)

This report is an introduction to voluntary standardization, product certification and laboratory accreditation for readers not fully familiar with these topics. It stresses some of the more important aspects of these fields; furnishes the reader with both historical and current information on these topics; describes the importance and impact of the development and use of standards; and serves as background for using available documents and services.

Order from NTIS by #PB 87-224309.

The ABC's of Certification Activities in the United States (NBSIR 88-3821)

This report, a sequel to The ABC's of Standards-Related Activities in the United States (NBSIR 87-3576), provides an introduction to certification for readers not entirely familiar with this topic. It highlights some of the more important aspects of this field, furnishes the reader with information necessary to make informed purchases, and serves as background for using available documents and services.

Order from NTIS by #PB 88-239793.

The ABC's of the U.S. Conformity Assessment System (NISTIR 6014)

This report is designed to provide the reader with an introduction to conformity assessment and information on how the various conformity assessment activities are interlinked. It highlights some of the field's more important aspects and serves as background for using available documents and services.

Order from NTIS by #PB 97-197107

Laboratory Accreditation Activities in the United States (NISTIR 4576)

This report, a companion to The ABC'S of Standards-Related Activities in the United States (NBSIR 87-3576) and The ABC'S of Certification Activities in the United States (NBSIR 88-3821), is designed to provide information on laboratory accreditation to readers who are new to this field. It discusses some of the more significant facets of this topic, provides information necessary to make informed decisions on the selection and use of laboratories, and serves as background for using other available documents and services.

Order from NTIS by #PB 91-194495.

Questions and Answers on Quality, the ISO 9000 Standard Series, Quality System Registration, and Related Issues (NISTIR 4721)

This report provides information on the development, content and application of the ISO 9000 standards to readers who are unfamiliar with these aspects of the standards. It attempts to answer some of the most commonly asked questions on quality; quality systems; the content, application and revision of the ISO 9000 standards; quality system approval/registration; European Community requirements for quality system approval/registration; and sources for additional help.

Order from NTIS by #PB 93-152080/AS

More Questions and Answers on the ISO 9000 Standard Series and Related Issues (NISTIR 5122)

This report, a sequel to NISTIR 4721, provides additional information on the ISO 9000 standards and related issues to readers unfamiliar with some of the new developments in this area. It attempts to answer additional questions on ISO 9000 standards-related issues which NIST has received since the publication of NISTIR 4721 and identifies sources for further help in this area.

Order from NTIS by #PB 93-140689.

The U.S. Certification System from a Governmental Perspective (NISTIR 6077)

This report is designed to provide the reader with an introduction to the U.S. certification system from a governmental perspective. It highlights some of the relationships that exist between federal and state agencies and the private sector and discusses some of the history and philosophy behind the U.S. system.

Order from NTIS by #PB 98-104086.

The National Technology Transfer and Advancement Act - Plan for Implementation (NISTIR 5967)

The National Technology Transfer and Advancement Act (P.L. 104-113) gives NIST responsibility to coordinate standards and conformity assessment activities with other Federal agencies, state and local governments, and with the private sector. Congress required NIST to submit a plan for implementing the coordination activities. Specific activities in strategic standards management, responsiveness to international trade concerns, greater use of voluntary standards, and conformity assessment procedures are described. Responsibilities of governments, standards developers, and private sector interests are outlined, as are a number of specific tasks.

Order from NTIS by #PB 97-153001.

Report on the Open Forum on Establishment of the National Council for Laboratory Accreditation (NACLA) at the National Institute of Standards and Technology January 7, 1997 (NISTIR 6008)

The forum was jointly sponsored by NIST, ACIL (formerly the American Council of Independent Laboratories), and the American National Standards Institute (ANSI). It was attended by more than 300 representatives from private industry and the government. The purpose of the Forum was to discuss a proposal to establish the National Council for Laboratory Accreditation (NACLA), which would be a cooperative partnership between the public and private sectors designed to provide a national infrastructure for laboratory accreditation in the United States.

Order from NTIS by #PB 97-158133.

Examination of Laboratory Accreditation Programs in the United States and the Potential Role for a National Laboratory Accreditation System (NIST GCR 97-714)

This report presents an initial study of existing U.S. laboratory accreditation programs, with a focus on government programs, particularly at the Federal level. The study was conducted in two phases: Phase I established categories of existing laboratory accreditation programs in the Federal government, at the state and local level, and in the private sector. Phase II compared technical standards used by five Federal government laboratory accreditation programs with general standards for laboratory accreditation established by ISO.

Order from NTIS by #PB 97-167365.

**Proceedings of the Open Forum on Laboratory Accreditation
at the National Institute of Standards and Technology
October 13, 1995 (NIST SP 902)**

The American National Standards Institute and ACIL requested that NIST work with them in an informal Laboratory Accreditation working group (LAWG) to evaluate the current situation in laboratory accreditation in the United States. This group sponsored a forum to hear reports from various sectors and to arrive at some consensus on the need to improve the current situation and infrastructure for laboratory accreditation in the United States.

Order from NTIS by #PB 96-210141.

**Survey on the Implementation of ISO/IEC Guide 25 by National Laboratory Accreditation Programs
(NISTIR 5473)**

ISO/IEC Guide 25, General Requirements for the Competence of Calibration and Testing Laboratories, has been used by many laboratory accreditation programs worldwide to establish accreditation requirements designed to promote confidence in the calibrations and testing results of laboratories. National delegations to the International Laboratory Accreditation Conference (ILAC) were surveyed to collect information on the implementation and supplementation of the requirements of ISO/IEC Guide 25 within the context of their countries' laboratory accreditation programs. This report summarizes the results of that survey and includes a bibliographic list of publications concerned with ISO/IEC Guide 25 implementation compiled from the information by the national delegations.

Order from NIST by #PB 94-210150.

**Directory of International and Regional Organizations Conducting Standards-Related Activities
(NIST SP 767)**

This directory contains information on 338 international and regional organizations, which conduct standardization, certification, laboratory accreditation, or other standards-related activities. It describes their work in these areas, as well as the scope of each organization, national affiliations of members, U.S. participants, restrictions on membership, and the availability of any standards in English.

Order from NTIS by #PB 89-221147 or Global Engineering
Documents by Order #Cat. SP767.

**Directory of European Regional Standards-Related Organizations (NIST SP
795)**

This directory identifies more than 150 European regional organizations - both governmental and private - that engage in standards development, certification, laboratory accreditation and other standards-related activities, such as quality assurance. Entries describe the type and purpose

of each organization; acronyms; national affiliations of members; the nature of the standards-related activity; and other related information.

Order from NTIS by #PB 91-107599 or Global Engineering Documents by Order #Cat. 0258-3.

Standards Activities of Organizations in the United States (NIST SP 806, 1996 Edition)

The directory identifies and describes activities of over 700 U.S. public and private sector organizations which develop, publish, and revise standards; participate in this process; or identify standards and make them available through information centers or distribution channels. The revision covers activities related to both mandatory and voluntary U.S. standards. It also contains a subject index and related listings that cover acronyms and initials, defunct bodies and organizations with name changes.

Order from NTIS by #PB 97-124135/AS.

Directory of Federal Government Certification and Related Programs (NIST SP 739 1999 Edition)

This fourth edition describes federal government procurement and regulatory programs, which may affect product and services in the marketplace. Entries describe the scope and nature of each program, contact points, testing and inspection practices, standards used, methods of identification and enforcement, reciprocal recognition or acceptance of certification and other relevant details. The entries also describe assessment procedures used by federal agencies to provide assurance that the products and services regulated or procured by federal agencies have the required characteristics and/or perform in a specific manner. The methods used by federal agencies to assure conformance can be very different than those traditionally employed by the private sector and by third party certifiers.

Order from NTIS by #PB 99-154825.

Directory of U.S. Private Sector Product Certification Programs (NIST SP 903)

This directory presents information from private sector organizations in the United States, which engage in product certification activities. Entries describe: the type and purpose of each organization, the nature of the activity, a pictorial representation of the organization's mark (if available), products certified, standards used, certification requirements, any accreditation or recognition by a U.S. or foreign private sector or government agency, availability of services, methods of cost determination, and other relevant details.

Order from NTIS by #PB 96-215074.

Directory of Federal Government Laboratory Accreditation/Designation Programs (NIST SP 808)

This directory provides updated information on 31 federal government laboratory accreditation and similar type programs conducted by the federal government. These programs, which include some type of assessment regarding laboratory capability, designate sets of laboratories or other entities to conduct testing to assist federal agencies in carrying out their responsibilities. The directory also lists 13 other federal agency programs of possible interest, including programs involving very limited laboratory assessment and programs still under development.

Order from NTIS by #PB 91-167379.

Directory of State and Local Government Laboratory Accreditation/Designation Programs (NIST SP 815)

This directory provides updated information on 21 state and 11 local government laboratory accreditation and similar type programs. These programs, which include some type of assessment regarding laboratory capability, designate private sector laboratories or other entities to conduct testing to assist state and local government agencies in carrying out their responsibilities. Entries describe the scope and nature of each program, laboratory assessment criteria and procedures used in the program, products and fields of testing covered, program authority, and other relevant details.

Order from NTIS by #PB 92-108968.

Directory of Professional/Trade Organization Laboratory Accreditation/Designation Programs (NIST SP 831)

This directory is a guide to laboratory accreditation and similar types of programs conducted by professional and trade organizations. These programs accredit or designate laboratories or other entities to assist private sector professional societies, trade associations, related certification bodies, their membership, as well as government agencies, in carrying out their responsibilities. This accreditation or designation is

based on an assessment of the capability of the laboratory to conduct the testing. However, the nature of the assessment varies considerably by organization and program.

Order from NTIS by #PB 92-181940.

ISO Environmental Management Standardization Efforts (NISTIR 5638-1)

This report describes the development of planned "environmental management" standards by the International Organization for Standardization (ISO). These standards address management systems and the environmental aspects of products in the areas of life cycle assessment and labeling. The report outlines the current status of the ISO standards and also covers developments relating to third party certification of environmental management systems.

Order from NTIS by #PB 96-158662

Standards Setting in the European Union - Standards Organizations and Officials in EU Standards Activities (NIST SP 891, 1997 Edition)

The guide is designed to help U.S. manufacturers, exporters, and other interested persons in locating contact points for important information on the development of standards and conformity assessment issues. The report includes a history of the role of standards in the European Union (EU) and the latest information on the EU's harmonization directives for implementing the "New Approach" and the "Global Approach" for harmonizing technical regulations and standards to reduce barriers to trade.

Order from NTIS as #PB 97-153738.

Profiles of National Standards-Related Activities (NIST SP 912)

This directory describes the metrology, standardization, testing and quality (MSTQ) activities of more than 70 countries. Each entry includes basic data on the country's economy and trade; agencies and institutions responsible for metrology and calibration, standards development, testing, product certification, quality and environmental system registration and accreditation; and key contacts and information sources. Entries are formatted to facilitate access to specific information. An introductory section provides general information on development of the directory and an overview of world-wise MSTQ activities.

Order from NTIS by #PB 97-169874/AS.

TBT Agreement Activities of the National Institute of Standards and Technology

This annual report describes the World Trade Organization (WTO) Agreement on Technical Barriers to Trade (TBT) activities conducted by NIST. NIST receives notifications of proposed foreign technical regulations related to trade, responds to inquiries on proposed technical regulations, participates in various bilateral and multilateral standards-related trade discussions, and respond to inquiries on the existence, source and availability of standards and standards-related information.

Order from Standards Information Program, (301)
975-4040; fax (301) 926-1559, e-mail: ncsci@nist.gov

Using Voluntary Standards in the Federal Government (NISTIR 6086)

This report is a compilation of presentations given at a NIST-sponsored conference held on September 8, 1997 to foster better understanding among Federal agencies of the private sector standardization process. The conference took place as part of a major effort by NIST to implement the National Technology Transfer and Advancement Act which gives NIST responsibility to coordinate standards and conformity assessment activities with other Federal agencies, state and local governments, and with the private sector.

Order from NTIS by #PB 98-110281.

**Environmental Management Systems Voluntary Project Evaluation Guidance
(NISTIR 6120)**

The intent of this document is to provide a framework for the collection of information of value to regulatory agencies and others interested in determining the impact in several key areas of environmental management systems based on ISO 14001.

Order from NTIS by #PB 98-128890.

**National Voluntary Laboratory Accreditation Program (NVLAP) Directory
(NIST SP 810)**

This annual directory lists laboratories that have been found to be competent to perform certain tests or calibrations as specified. These laboratories are allowed to use the NVLAP logo on their test or calibration certificates or reports, which implies that the processes used to achieve the tests or calibrations have been evaluated by NVLAP as being technically adequate when performed under the conditions specified in the laboratories' quality manuals and associated documentation. Copies are available from NVLAP at (301) 975-4016; fax: (301) 926-2884 or e-mail - nvlap@nist.gov. A listing of accredited laboratories, updated quarterly, is available on the NVLAP website at <http://www.ts.nist.gov/nvlap>.

**Toward a National Standards Strategy - Conference Summary Report
(NISTIR 6259)**

On September 23, 1998, the National Institute of Standards and Technology (NIST) and the American National Standards Institute (ANSI) co-hosted a summit conference, "Toward a National Standards Strategy to Meet Global Needs." NIST Director Ray Kammer and ANSI President Sergio Mazza co-chaired a program that featured keynote addresses by Deputy Secretary of Commerce Robert Mallet and Dana Mead, Chairman and CEO of Tenneco and World Standards Day Chairman; a luncheon address by Evangelos Vardakas, Director, Directorate B, Legislation and Standardization, Telematics Networks, Directorate General (DG)-III: Industrial Affairs, European Commission; three panels comprised of standards experts from industry and government; and discussions of comments and questions raised by some of the 339 registered participants.

Order from NTIS by #PB 99-111239.

Toward a National Standards Strategy - Conference Report (NISTIR 6290)

This more complete report of the September 23, 1998 Summit Proceedings contains full texts, figures, and such background papers as were provided by the speakers; they are presented in the order shown on the agenda. Transcriptions of comments and questions from the floor and the ensuing panelist responses are interspersed appropriately. Information about the speakers appears in Appendix A; the list of Conference attendees may be found in Appendix B; and a glossary of acronyms is provided in Appendix C.

Order from NTIS by #PB 99-129629.

A Selective Review of Testing Laboratory Accreditation Movements in the United States (NIST GCR 98-740)

In conjunction with a cooperative effort by the Laboratory Accreditation Working Group (LAWG) (which consists of public and private sector entities that call for laboratories to be accredited, the affected laboratories, and accreditation bodies), the author has conducted a selective review of a number of previous attempts to systemize laboratory accreditation activities in the United States. In conclusion, a number of

recommendations are made for the developing National Cooperation on Laboratory Accreditation (NACLA), the proposed formal structure to succeed the planning organization, LAWG.

Order from NTIS by #PB 99-175606

Towards Strategic Management of Standards Activities at NIST (NISTIR 6292)

This paper describes strategic standards management, its use by U.S. companies, and the potential use of this important methodology by DOC/NIST and other government agencies. It also describes the role of NIST's Standards Advisory Committee (SAC) in defining a plan that each NIST Operating Unit (OU) can tailor to manage its own standards activities, and other agencies can similarly adopt. A checklist is provided for use by NIST OUs as they set priorities and implement activities in support of the standards-related work associated with their missions. This checklist can also be adapted for use by other Federal agencies.

Order from NTIS by #PB 99-127896.

An Overview of the Development of Technical Infrastructure in the Asia-Pacific Region: The Work of the Asia-Pacific Economic Cooperation (APEC) Sub-committee on Standards and Conformance (SCSC) and the Specialist Regional Bodies (SRBs) (NISTIR 6325)

The development and maintenance of an economy's standards and conformance technical infrastructure is critical to its economic health. By increasing the competence of its measurement and testing capabilities, in particular, an economy can provide substantial benefits to its manufacturers and consumers. It is also better equipped to participate in the confidence building requirements of the region to take advantage of increased trade opportunities. Technical infrastructure development is a major focus of the Asia-Pacific Economic Cooperation Sub-committee on Standards and Conformance and the Specialist Regional Bodies which work together closely to develop practical programs to assist this development.

Order from NTIS by #PB 99-142580

Free Trade Area of the Americas (FTAA) Conformity Assessment Infrastructure (NIST SP 941)

This publication summarizes the status of the technical infrastructure for conformity assessment in the Americas. It provides information about inspection and testing, product certification, quality system registration and laboratory accreditation for the countries that will comprise the Free Trade Area of the Americas.

Order from NTIS by #PB 99-167447

A Review of U.S. Participation in the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) (NISTIR 6492)

This report describes the role of international standards, their importance in world trade, and the extent of U.S. participation in the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) over the 32 year period from 1966 to 1998. To the extent possible, a comparison of U.S. exports with U.S. participation in the ISO and IEC is provided. Mention is also made of the World Trade Organization's Agreement on Technical Barriers to Trade.

*Not available through NTIS at this time, please contact gsp@nist.gov if you would like to obtain a copy.

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