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*Directory of
U.S. Private Sector Product
Certification Programs*

Maureen Breitenberg, Editor

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Gaithersburg, MD 20899

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Directory of U.S. Private Sector Product Certification Programs

Maureen Breitenberg, Editor

Office of Standards Code and Information
Office of Standards Services
National Institute of Standards
and Technology
Gaithersburg, MD 20899

(Supersedes NBS Spec. Publ. 703)

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FOREWORD

This document updates information contained in NBS SP 703, Private Sector Product Certification Program in the United States. It is one of a series of publications designed to provide information on national, regional, and international organizations which participate in standards-related activities. There are 132 entries included in this directory, 23 more entries than in the first edition, which was published in 1985. The 132 organizations engage in product certification activities. Entries describe the type and purpose of each organization, the nature of the activity, products certified, standards used, certification requirements, any accreditation or recognition by a U.S. or foreign government agency or by the private sector, availability of services, methods of cost determination, and other relevant details.

The information contained in this directory is based primarily on information provided by each organization and therefore reflects the organization's view of its own activities. Users of these certification services are encouraged to review and compare the services being offered and to select the program most appropriate to their needs.

This volume supports an effort by the National Institute of Standards and Technology (formerly the National Bureau of Standards) to provide information related to private sector activities in the area of certification. It is designed to serve the needs of federal agencies and standards writers for information on U.S. private sector certification programs. Manufacturers, engineers, purchasing agents, and others may also find this volume of value.

ACKNOWLEDGMENT

I would like to thank all the organizations which provided information on their activities. Without their assistance, this directory would not have been possible.

While I have tried to be comprehensive, some organizations may have been missed. Organizations which were omitted and which would like to be included in subsequent editions are invited to send pertinent information to:

Maureen Breitenberg
Office of Standards Code and Information (OSCI)
National Institute of Standards and Technology (NIST)
Administration Building A-629
Gaithersburg, MD 20899

ABSTRACT

This document, a revision of NBS SP 703, Private Sector Product Certification Program in the United States, presents information on 132 private sector groups in the United States which engage in product certification activities. Entries describe the type and purpose of each organization, the nature of the activity, 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.

This directory is part of an ongoing NIST (formerly NBS) effort to establish and maintain comprehensive information on standards, regulations, certification programs and related topics. This material has been compiled to meet the needs of government, industry, and the public for information on private sector product certification programs in accordance with the requirements of the Trade Agreements Act of 1979.

Key Words: certification; certifiers; grading; inspection; listing; product approval; registration; specifications; standards; testing

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INTRODUCTION

Background

The Agreement on Technical Barriers to Trade (also known as the "Standards Code") was one of the major agreements under the General Agreement on Tariffs and Trade (GATT). It recognized the importance of standards and certification systems for "improving efficiency of production and facilitating the conduct of international trade."

In the United States, the Trade Agreements Act of 1979 implemented U.S. government acceptance of the Standards Code. Title IV of The Act specifies obligations for the Federal Government, including responsibilities bearing on certification. Each federal agency must assure that foreign products are treated in the same manner as domestic goods. Moreover, the Federal Government is to take reasonable measures to promote similar practices by state governments and the private sector. In addition to this general mandate, the Departments of Agriculture and Commerce are charged with specific actions to be carried out with regard to agricultural and non-agricultural, products respectively. As one of its responsibilities, the Department of Commerce is required to maintain a center for information on standards and such standards-related subjects as certification.

Role of the National Institute of Standards and Technology Under the Act

The Department of Commerce has designated the International Trade Administration and the National Institute of Standards and Technology (NIST) (formerly the National Bureau of Standards) to carry out the departmental responsibilities. The NIST functions are carried out as part of the Office of Standards Code and Information (OSCI).

The primary objective of OSCI's efforts related to certification is to improve the accessibility and use of information on U.S. certification and certification programs. OSCI believes that this directory will aid in recognizing the diversity and therefore the complexity, of U.S. private sector product certification activities, and will serve as a useful reference for identifying specific programs operating in the United States.

Within OSCI, the National Center for Standards and Certification Information (NCSCI) maintains a reference collection consisting of: U.S., foreign and international voluntary standards; mandatory U.S. Government regulations; and rules of certification for non-agricultural products. NCSCI serves as a referral service and focal point in the United States for information about standards and standards-related information, and responds to requests for such information from governmental and private sector organizations, as well as from individuals in the United States and abroad.

Scope of the Directory

This directory summarizes product certification activities of 132 non-governmental organizations based in the United States, including organizations which operate strictly within the United States as well as those which operate in

part at an international level or as part of an international program. The directory includes organizations which: administer a certification program and certify that products meet some criteria; administer a program using an independent, third-party certifier; or which serve as the independent, third-party certifier for a program administered by another organization.

This directory includes only product-related certification programs. It does not attempt to address programs certifying services or professional skills. Nor does it include programs that do not specify criteria or standards which a product must meet in order to be approved. To be listed, programs must have a system (such as a certification mark, approved product directory or certificate of compliance) to show that a product meets the established criteria.

An effort was made to standardize the terminology used in this directory. However, if an organization requested that a different set of terms be used in its entry, its choice of terms was substituted. This highlights a need for standardized terminology to be both accepted and used in the areas of certification and laboratory accreditation. The many terms and definitions used in describing certification and laboratory accreditation and the variety of usage can and does create confusion, especially for those new to these fields. For example, a recent report by the U.S. General Accounting Office on laboratory accreditation activities in the Federal Government noted that different government agencies use 10 different terms to refer to an "accredited" laboratory. These terms ranged from an "approved" or "designated/delegated" laboratory to a "recognized" or "qualified" laboratory. The same term, such as "accredited," may be used by different organizations to mean very different types of assessments and assessment procedures. An even greater variety of terms describe certification activities. It is important that the reader be aware of these differences when reviewing the entries for organizations listed in this directory.

It should be emphasized that the entries in this directory are based primarily on information provided by the submitting organizations. No attempt was made to evaluate or to validate the information provided. In a few cases, information from other sources was used to complete the entries. Users of these certification services are advised to review and compare the offered services when selecting a program appropriate to their needs.

Compilation of Information

Considerable effort was made to be comprehensive in compiling this directory. More than 500 organizations were invited to provide general information on their certification programs. The project effort was announced in industry newsletters and in tbt news, published by OSCI. Information for the entries was provided voluntarily by respondents. Despite these efforts, other organizations that conduct certification type activities may have been overlooked. Such organizations are invited to send pertinent information to:

Maureen Breitenberg
Office of Standards Code and Information (OSCI)
National Institute of Standards and Technology (NIST)
Administration Building A-629
Gaithersburg, MD 20899

Listed organizations are encouraged to keep NIST informed of any changes in their name or address, or of changes in the nature of their programs. In addition to this directory, NIST maintains a publicly accessible reference collection of current materials that have been provided by private sector product certification programs.

Other References

Additional NIST documents of possible interest, including a primer on certification in the United States, are listed in Appendix I.

FORMAT OF ENTRIES

(Date Information Received)

ORGANIZATION NAME: Official organizational name, in English.

ACRONYM: The initials or acronym(s) of the organization.

NATURE OF ORGANIZATION: Whether the organization is a nonprofit organization, a trade association, a professional/technical society, an independent testing laboratory, or other type of organization.

ADDRESS, PHONE NUMBER, FAX NUMBER, TELEX: The address, telex, telephone, cable and fax numbers through which the organization has indicated that it can be reached.

LOCATIONS OF TESTING FACILITIES: Locations of the testing facilities used to evaluate the products for certification.

PURPOSE: The principal objectives of the organizations as indicated in their response or in supplementary materials published by the organization.

CERTIFICATION FUNCTION(S): Information on whether the organization administers the program and certifies the product itself (program administrator and certifier), or whether the organization runs the program (program administrator) and assigns the testing and inspection functions involved in the certification to another party (certifier).

CERTIFICATION PROGRAM(S) BEGUN: Date the program(s) began.

STANDARDS USED: Names of the organizations responsible for the standards used in the certification program.

CERTIFICATION ACTIVITIES: The methodology used by the program to ensure compliance with certification criteria, such as initial or periodic product inspection/testing, initial or periodic factory inspection, evaluation of a manufacturer's Q. A. system, etc. Information also included on whether the organization accredits other parties to do the inspection/testing, authorizes the use of a mark or certificate, has a formal appeals procedure, develops standards to test new products, etc.

PROGRAMS RECOGNIZED/ACCREDITED BY: Any recognition of the certification by federal or state agencies, private sector organizations, foreign governments, or international organizations.

COMMENTS: Additional information provided on the program which was not covered in other sections.

AVAILABILITY OF SERVICES: Availability of services to interested parties as well as any restrictions on availability.

COST OF SERVICES: Method of fee assessment, i.e., fixed fee schedule, based on actual costs, free to members, etc.

PRODUCTS
CERTIFIED: The types or categories of products covered by this program.

NO. OF FACTORIES/
FIRMS CERTIFIED: Number of factories/firms or products which have been listed or certified.

PRODUCT
DIRECTORIES: Availability of lists or directories of the products or manufacturers certified by the organization.

PROGRAM
DOCUMENTATION
AVAILABLE: Other information or documentation available on the program.

ORGANIZATION NAME: AIR-CONDITIONING AND REFRIGERATION INSTITUTE

ACRONYM: ARI

NATURE OF ORGANIZATION: Trade association founded in 1903 with a membership of 164 and a staff of 35.

ADDRESS: 1501 Wilson Blvd., Suite 600, Arlington, VA 22209

PHONE NUMBER: 703-524-8800

FAX NUMBER: 703-528-3816

TELEX: 89 2351

LOCATIONS OF TESTING FACILITIES: Uses ETL Testing Laboratory facilities located in Cortland, NY and Underwriters Laboratories (UL) testing facilities in Northbrook, IL.

PURPOSE: To represent the central residential and commercial air-conditioning and refrigeration industry.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: ARI standards available from ARI. Also uses UL, ASHRAE, ANSI, and NFPA standards.

CERTIFICATION ACTIVITIES:

1. Retains ETL and UL as the program's testing laboratory.
2. Requires preliminary random tests at ETL and UL.
3. Requires participation in a periodic, random testing program by ETL and UL.
4. Requires self-certification by the manufacturer that he meet all ARI requirements.
5. Requires additional testing in the event of a substantiated complaint by a competitor or other party.
6. Authorizes use of its mark and publishes approved directories of certified products annually.
7. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fees based on size of monthly shipments.

PRODUCTS CERTIFIED: Sound ratings of outdoor unitary air-conditioning and heat pump equipment rated below 135,000 Btu; mechanical transport refrigeration units; self-contained, mechanically-refrigerated drinking water coolers; air-cooling and air-heating coils; central station air handling units; room fan-coil air-conditioners; packaged terminal air-conditioners; packaged terminal heat pumps; water-source heat pumps; unitary air-conditioners; ground water-source heat pumps; unitary large equipment; variable air volume terminals; centrifugal and rotary screw chillers; automatic commercial ice makers; unitary air-source heat pumps.

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| NO. OF FACTORIES/ FIRMS CERTIFIED: | Coil lines (26); central station air-handling units (8); packaged terminal air-conditioners (10); package terminal heat pumps (11); room fan-coil air-conditioners (10); water-source unitary heat pumps (14); unitary air-conditioners (59); air-source unitary heat pump equipment (51); transport refrigeration units (2); drinking water coolers (6); ground water-source heat pumps (7); sound rating of outdoor unitary equipment (39); unitary large equipment (4); centrifugal and rotary screw chillers (5); variable air volume terminals (6). |
| PRODUCT DIRECTORIES: | "Directory of Certified Drinking-Water Coolers;" "Directory of Certified Transport Refrigeration Units;" "Directory of Applied Air-Conditioning Products;" "Directory of Certified Unitary Air-Conditioners, Unitary Air-Source Heat Pumps, Sound-Rated Outdoor Unitary Equipment;" "Directory of Certified Automatic Commercial Ice Makers." Available to the industry free and to the public for a fee. |
| PROGRAM DOCUMENTATION AVAILABLE: | Certification Program Operational Manuals for each product are available free to the industry. |

ORGANIZATION NAME: AIR DIFFUSION COUNCIL

ACRONYM: ADC

NATURE OF ORGANIZATION: Trade association founded in 1961 and composed of 15-20 members.

ADDRESS: 230 North Michigan Ave., Suite 1200, Chicago, IL 60601

PHONE NUMBER: 312-372-9800

LOCATIONS OF TESTING FACILITIES: Uses ADC-approved laboratories of members and ADC-approved independent testing facilities.

PURPOSE: To administer industry wide testing and rating standards; to encourage basic research into the behavior of air streams in enclosed areas; to participate in activities related to air terminal device standardization; to conduct research on sound analysis of air distribution equipment.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1962.

STANDARDS USED: ADC standards available from ADC. Also uses ASME, ISO and ANSI standards in laboratory accreditation.

CERTIFICATION ACTIVITIES:

1. Approves manufacturers' testing laboratories and independent testing laboratories.
2. Requires that data obtained in an approved laboratory be submitted and evaluated by a rating subcommittee of the ADC Engineering Committee.
3. Has its own certification seal and publishes approved manufacturer/product directories.
4. Requires that if there are substantiated challenges to the ability of a product to meet ADC requirements that the product be submitted for independent laboratory testing.
5. Requires triennial check tests of certified products at an ADC approved laboratory under the supervision of the ADC Engineering Consultant.
6. Has formal appeals procedures.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Grilles, registers, diffusers, wire terminal devices (mixing boxes).

PRODUCT "Directory of Certified Products" and "Membership Roster"
DIRECTORIES: are available from ADC.

PROGRAM
DOCUMENTATION
AVAILABLE: Publishes a textbook and test codes.

ORGANIZATION NAME: AIR MOVEMENT AND CONTROL ASSOCIATION

ACRONYM: AMCA

NATURE OF ORGANIZATION: Trade association founded in 1955 with a membership of approximately 187 and a staff of 16.

ADDRESS: 30 West University Drive, Arlington Heights, IL 60004

PHONE NUMBER: 708-394-0150

FAX NUMBER: 708-253-0088

TELEX: 27 0650 (AMCA ARHT)

LOCATIONS OF TESTING FACILITIES: Uses AMCA laboratory in Arlington Heights, IL, as well as registered independent laboratories and registered laboratories of the manufacturers.

PURPOSE: To develop accurate and reliable testing procedures, to serve as a communications center on all matters related to the air movement and control industry, and to compile information of use to the industry.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1963.

STANDARDS USED: Uses AMCA Standards available from AMCA.

CERTIFICATION ACTIVITIES:

1. Registers testing laboratories and manufacturers' testing facilities.
2. Reviews test data submitted from a registered laboratory on preproduction or production samples.
3. Requires a precertification check at the AMCA Testing Laboratory of one sample of each new product line from the group of products initially tested.
4. Checks production system when preproduction sample is tested.
5. Requires retesting of a sample of each licensed product line at AMCA Testing Laboratory every 3 years.
6. Requires additional tests when test data from an AMCA registered laboratory indicates that a product did not perform within specified tolerances.
7. Authorizes the use of its mark and publishes an approved product directory.
8. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: License fee based on dollar volume of licensed products shipped. Fixed fees for AMCA Testing Laboratory tests. Staff travel expenses based on associated costs incurred by Staff Engineer.

PRODUCTS
CERTIFIED: Centrifugal fans, propeller fans, axial fans, power roof ventilators, ceiling ventilators, evaporative coolers, louvers, dampers and shutters, air curtains, ceiling fans.

NO. OF FACTORIES/
FIRMS CERTIFIED: 106 firms.

PRODUCT
DIRECTORIES: "Directory of Licensed Products," Publication 261, is free.

PROGRAM
DOCUMENTATION
AVAILABLE: Publications 211, 311, and 511 are available for a fee. These publications describe the certified ratings programs for air performance, air moving devices, and air control devices respectively. A publications list is also available.

ORGANIZATION NAME: ALL-AMERICA ROSE SELECTIONS, INC.

ACRONYM: AARS

NATURE OF ORGANIZATION: Nonprofit research corporation founded in 1938 with a membership of 21.

ADDRESS: 221 North LaSalle St., Chicago, IL 60601

PHONE NUMBER: 312-372-7090

FAX NUMBER: 312-372-6160

LOCATIONS OF TESTING FACILITIES: AARS has 23 test gardens throughout the United States.

PURPOSE: To improve roses for the gardening public.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1938.

STANDARDS USED: Uses AARS guidelines and official scoring forms.

CERTIFICATION ACTIVITIES:

1. Selects official test gardens and demonstration gardens.
2. Requires judges to be trained (with periodic refresher courses) and to have served a two year apprenticeship.
3. Requires a two year growing test in 23 test gardens throughout the United States.
4. Requires a two thirds affirmative ballot by membership to receive "AARS" designation. Total roses designated cannot exceed five per year.
5. Requires AARS approval of proposed names of new roses.
6. Authorizes the use of the "AARS" designation and issues appropriate other recognitions of the award.
7. Conducts a publicity campaign for winners.

COMMENTS: Does not have a formal appeals procedure. Introducers donate award winners to 137 AARS approved public rose gardens.

AVAILABILITY OF SERVICES: Open to varieties of roses which have not been sold in the United States for outside planting and whose hybridizer or grower is located in the United States.

COST OF SERVICES: Fixed fee schedule based on number of entries.

PRODUCTS CERTIFIED: Tea and hybrid roses; floribunda and polyantha roses; climbing, pillar, shrub and ground cover roses; grandiflora roses; miniature roses.

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| NO. OF FACTORIES/ FIRMS CERTIFIED: | 21 current member firms. Over 40% of the roses sold in the United States are "AARS" designated varieties. |
| PROGRAM DOCUMENTATION AVAILABLE: | "All-America Rose Selections, Inc.: Rules and Regulations" and "The History of All-America Rose Selection" are available free from AARS. |

ORGANIZATION NAME: ALL-AMERICA SELECTIONS

ACRONYM: AAS

NATURE OF ORGANIZATION: Nonprofit organization founded in 1932 with a staff of three at the headquarters office.

ADDRESS: 1311 Butterfield Rd., Suite 310, Downers Grove, IL 60515

PHONE NUMBER: 312-963-6999

LOCATIONS OF TESTING FACILITIES: Entries are tested at locations throughout North America.

PURPOSE: To evaluate new seed-grown flowers and vegetables from around the world for home garden performance.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1932.

STANDARDS USED: The evaluation of judges expert in the horticultural field.

CERTIFICATION ACTIVITIES:

1. Entries must never have been sold anywhere in the world.
2. Producers must submit seeds, photos and the name of the variety that is closest to the entry.
3. Entries and comparison seed are sent to judges who grow the seed side by side. Judges score entries and then send results to an accounting firm for impartial tally.
4. The AAS directors determine winners based on score.
5. Producers are allowed up to 3 years to produce an adequate amount of seed.
6. When seed is adequate, winners are announced.
7. Conducts a publicity campaign for winners and authorizes the use of its logo.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule plus a percentage of the profits from winning entries.

PRODUCTS CERTIFIED: Seed-grown flowers, seed grown vegetables.

PRODUCT DIRECTORIES: "AAS Proving Grounds" which is available free from AAS.

PROGRAM DOCUMENTATION AVAILABLE: "AAS its Organization and Services" and the "AAS Proving Grounds" brochure, which lists AAS Judges, trial grounds and display gardens, as well as recent AAS winners.

ORGANIZATION NAME: AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION

ACRONYM: AAMA

NATURE OF ORGANIZATION: Trade association founded in 1936 with a membership of 250 and a staff of 14.

ADDRESS: 2700 River Road, Suite 118, Des Plaines, IL 60018

PHONE NUMBER: 312-699-7310

FAX NUMBER: 312-299-7744

LOCATIONS OF TESTING FACILITIES: Architectural Testing, York, PA; Bowser-Morner, Inc., Dayton, OH; Associated Labs, Dallas, TX; Smith Emery Co., Los Angeles, CA; Construction Consulting Laboratory, Inc., Ontario, CA; Miami Testing Laboratory, Inc., Hialeah, FL; Mid America Testing Laboratory, Catawissa, MO; Pacific Inspection & Research Laboratory, Redmond, WA; Pittsburgh Testing Laboratory, Pittsburgh, PA; Construction Research Laboratory, Inc., Miami, FL; E. Lewis Cook and Associates, Chattanooga, TN; Fenestration Testing Laboratory, Pomona, CA; Southwestern Laboratories, Fort Worth, TX; Twin City Testing Corp., St. Paul, MN.

PURPOSE: To promote the use of, to develop standards for, and to serve as the technical information center on architectural, fenestration and "envelope" products.

CERTIFICATION FUNCTION(S): Program administrator. Associated Laboratories serves as program validator.

CERTIFICATION PROGRAM(S) BEGUN: 1962.

STANDARDS USED: Uses ANSI/AAMA standards which are available from ANSI or AAMA. Also uses HUD standards which are available from HUD and AAMA standards available from AAMA.

CERTIFICATION ACTIVITIES:

1. Sponsors a laboratory accreditation program.
2. Requires initial testing by an accredited laboratory and periodic testing by the program validator.
3. Requires initial and periodic evaluation of a producer's quality control system.
4. Authorizes the use of its label and publishes approved product/manufacturer directories.
5. Issues certificates of approval.
6. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Recognized by HUD.
Accredited by ANSI.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS
CERTIFIED: Aluminum and vinyl prime windows, storm windows, storm doors,
manufactured housing windows, manufactured housing doors.

NO. OF FACTORIES/
FIRMS CERTIFIED: 250.

PRODUCT
DIRECTORIES: "Certified Products Directory" which is available from
AAMA to the general public for a fee.

PROGRAM
DOCUMENTATION
AVAILABLE: See "Publications Catalog" available from AAMA.

ORGANIZATION NAME: AMERICAN ASSOCIATION OF MEDICAL MILK COMMISSIONS, INC.

ACRONYM: AAMMC

NATURE OF ORGANIZATION: Professional association founded in 1903 with a membership of 35.

ADDRESS: 1824 North Hillhurst Ave., Los Angeles, CA 90027

PHONE NUMBER: 213-664-1977

PURPOSE: To develop and adopt uniform methods and standards for certified milk.

CERTIFICATION FUNCTION(S): Program administrator - individual medical milk commissions certify.

CERTIFICATION PROGRAM(S) BEGUN: 1893. Organized into one association in 1903.

STANDARDS USED: "Methods and Standards for the Production of Certified Milk," augmented by any requirements of local commissions. Also uses USDA standards and test methods, and APHA methods.

CERTIFICATION ACTIVITIES:

1. Approves medical milk commissions and may itself serve as a medical milk commission.
2. Individual milk commissions require testing and inspection on the manufacturer's premises.
3. Requires herd identification and has herd management standards.
4. Requires employees to be under physical supervision.
5. Authorizes the use of its mark.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all domestic producers.

PRODUCTS CERTIFIED: Milk, cream, skim (nonfat) milk, cottage cheese, kefir, buttermilk, and others as may be designated.

PROGRAM DOCUMENTATION AVAILABLE: "Methods and Standards" is available free upon request.

ORGANIZATION NAME: AMERICAN BUREAU OF SHIPPING

ACRONYM: ABS

NATURE OF ORGANIZATION: Nonprofit ship classification society founded in 1862 with a staff of 1685 employees in 92 countries.

ADDRESS: 45 Eisenhower Ave., Paramus, NJ 07652

PHONE NUMBER: 201-368-9100

FAX NUMBER: 201-368-0255

TELEX: ITT 421966/428285

LOCATIONS OF TESTING FACILITIES: Principal offices: NY Metro Area; San Francisco, CA; Newport News, VA; Cleveland, OH; New Orleans, LA; Genoa, Italy; London, England; Rio de Janeiro, Brazil; Singapore, Singapore; Yokohama, Japan; Sydney, Australia; Manana, Bahrain; Toronto, Canada.

PURPOSE: To establish and administer standards (termed rules) for the design, construction and periodic survey of merchant ships and other marine structures.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1870.

STANDARDS USED: Uses ABS standards which are available from ABS. Also uses ASTM, ATP, CSC, ISO, ANSI, CIM, UIC, IMDG, IMO, RID, ADR, TCT, and ASME standards and requirements.

CERTIFICATION ACTIVITIES: Certification programs consist of:

- 1) A review of detailed plans and design data for compliance with rules or other appropriate standards.
- 2) Assurance of compliance of material and equipment for vital structural and machinery components to the rules.
- 3) Surveys (inspections) during construction.
- 4) ABS attendance during testing.
- 5) In-service inspections at periodic intervals.
- 6) Damage and repair assessment.

COMMENTS: A classification society establishes and administers standards, known as rules, for the design, construction and periodic survey of ships and other marine structures. Classification certifies adherence to these rules, thus representing that a vessel possesses the structural and mechanical integrity required for its intended service.

PROGRAMS RECOGNIZED/ACCREDITED BY: Recognized by over 120 countries to issue certifications and/or carry out surveys.

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| AVAILABILITY OF SERVICES: | Open to all. |
| COST OF SERVICES: | Fixed fee schedule. |
| PRODUCTS CERTIFIED: | Ships, mobile offshore drilling and production units, fixed offshore structures, workboats, yachts, containers, cranes, cargo handling equipment engines, industrial systems, machinery and materials. |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | ABS certifications cover 14,900 vessels and 1,000,000 cargo containers. |
| PROGRAM DOCUMENTATION AVAILABLE: | ABS publishes a classification register, rules for building and classifying vessels and other products and structures, rules for the certification of cargo containers and nondestructive inspection of hull welds, as well as guides, guidance manuals and other documents. |

ORGANIZATION NAME: AMERICAN DENTAL ASSOCIATION

ACRONYM: ADA

NATURE OF ORGANIZATION: Professional society of dentists founded in 1859 with over 133,000 members and a staff of 370.

ADDRESS: 211 East Chicago Ave., Chicago IL 60611

PHONE NUMBER: 312-440-2504

FAX NUMBER: 312-440-7494

TELEX: 247842 ADA-UR

PURPOSE: To encourage improvement in the health of the public and to promote the art and science of dentistry.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses ADA specifications which are available from ADA.

CERTIFICATION ACTIVITIES:

1. Requires submittal of an application which includes data on: (a) the physical properties as obtained by standard test methods, (b) a brief description of the test apparatus (if different from that described in the specification), (c) information covering all provisions of the original specification; with names of the observers and test dates, (d) specimens of all labels, guarantees and instructions.
2. Requires self-certification by the manufacturer that the product meets the specification.
3. Requires testing of a sample obtained on the open market by ADA.
4. Authorizes the use of the ADA Seal of Certification and publishes approved product lists.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to U.S. manufacturers of products sold in the United States and to U.S. distributors of imported products.

PRODUCTS CERTIFIED: Dental materials, dental instruments, dental equipment.

PRODUCT DIRECTORIES: Certified products are published in the "Lists of Certified Dental Material, Instrument, and Equipment," the "Journal of the American Dental Association," and in "Dentists Desk Reference."

PROGRAM DOCUMENTATION AVAILABLE: Copies of official specifications of the ADA and certification forms are available free upon request.

ORGANIZATION NAME: AMERICAN GAS ASSOCIATION

ACRONYM: AGA

NATURE OF ORGANIZATION: Trade association founded in 1918 and composed of approximately 300 gas transmission and distribution companies accounting for 85% of all gas delivered in the United States.

ADDRESS: 8501 East Pleasant Valley Road, Cleveland, OH 44131

PHONE NUMBER: 216-524-4900

FAX NUMBER: 216-642-3463

TELEX: 263574 AGA

LOCATIONS OF TESTING FACILITIES: Cleveland, OH and Los Angeles, CA.

PURPOSE: To serve as a clearinghouse for gas energy information for the public, as a catalyst in technical and energy policy matters for the gas industry, and as a spokesman on national issues for its member companies.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1925.

STANDARDS USED: Uses ANSI standards available from AGA or ANSI or AGA standards developed for products not covered by a national standards. Also uses NFPA, NEC, UL, HUD, and DOE standards.

CERTIFICATION ACTIVITIES:

1. Requires a review of construction and tolerance information.
2. Requires testing.
3. Requires inspection of manufacturing facilities and quality control procedures.
4. Requires annual inspection/product testing for renewal of certification.
5. May require additional data submission/testing upon modification of an AGA requirement.
6. Authorizes the use of the AGA mark and publishes certified products in a directory.
7. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: City of Chicago, IL; Los Angeles and San Francisco, CA; States of Illinois, New York, Maryland, Minnesota, Ohio, Oregon, Tennessee, and Washington. Application pending for NRTL status with OSHA.

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| COMMENTS: | Also issues engineering reports when requested which are available from AGA. Also offers field safety testing of gas utilization equipment, a certification program for adhesive-attached marking systems, and an appliance development testing service. |
| AVAILABILITY OF SERVICES: | Open to all. |
| COST OF SERVICES: | Fees based on actual costs of testing/inspection. |
| PRODUCTS CERTIFIED: | Gas-fired air-conditioners, gas-fired boilers, gas outdoor heaters, gas-fired central furnaces, clothes dryers, construction heaters, decorative gas appliances, deep fat fryers, gas-fired duct furnaces, floor furnaces, hot plates, laundry stoves, gas cooking appliances, gas illuminating appliances, gas-fired infrared heaters, kettles, make-up air heaters, outdoor gas cooking appliances, gas commercial ovens, commercial gas ranges and unit boilers, recreational vehicle gas cooking appliances, refrigerators using gas fuel, room heaters, gas-fired swimming pool heaters, gas-fired toilets, unit heaters, gas-fired wall furnaces, gas water heaters, gas controls and accessories. |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | Over 260 manufacturers. |
| PRODUCT DIRECTORIES: | "Directory - Certified Appliances and Accessories" is available for a fee to the public. |
| PROGRAM DOCUMENTATION AVAILABLE: | "Application for Certification," "Application for Engineering Report" and "Application for Certification under AGA Requirements" are available free upon request. |

ORGANIZATION NAME: AMERICAN HARDBOARD ASSOCIATION

ACRONYM: AHA

NATURE OF ORGANIZATION: Trade association founded in 1952 with a membership of nine and a staff of four.

ADDRESS: 520 North Hicks, Palatine, IL 60067

PHONE NUMBER: 312-934-8800

FAX NUMBER: 312-934-8803

PURPOSE: To promote the use and consumption of hardboard products.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses ANSI/AHA A135.6 Hardboard Siding, ANSI/AHA A135.4 Basic Hardboard and ANSI/AHA A194.1 Cellulose Fiberboard.

CERTIFICATION ACTIVITIES:

1. Requires product testing at an independent laboratory.
2. Requires periodic factory inspections and evaluations of a manufacturer's Q.A. system.
3. Authorizes the use of its mark.
4. Develops standards to test new products.
5. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: ICBO.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule or actual costs.

PRODUCTS CERTIFIED: Hardboard siding; square edge panels; shiplap panels and lap siding (7/16" and 1/2" nominal thicknesses) both smooth and embossed; fiberboard - 1/2" and 25/32" regular sheathing.

NO. OF FACTORIES/ FIRMS CERTIFIED: 10.

PROGRAM DOCUMENTATION AVAILABLE: Publishes the "AHA Hardboard Sources of Supply" and other related publications. Some publications are free and some are available for a fee from AHA.

ORGANIZATION NAME: AMERICAN INSTITUTE OF STEEL CONSTRUCTION

ACRONYM: AISC

NATURE OF ORGANIZATION: Trade association founded in 1921 with a staff of 50 and 400 members.

ADDRESS: 400 N. Michigan Ave., Chicago, IL 60611-4185

PHONE NUMBER: 312-670-2400

FAX NUMBER: 312-670-5403

TELEX: 910-350-6816

PURPOSE: Promote the use of structural steel in buildings and bridges.

CERTIFICATION FUNCTIONS: Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1975.

STANDARDS USED: Uses AISC standards available from AISC.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic audit of a manufacturer's Q.A. system.
2. Certifies that a plant has the personnel, organization, experience, procedures, knowledge, equipment, capability, and commitment to produce fabricated steel of the required quality for a given category of structural steel work.
3. Issues certificates of approval and publishes a listing of certified plants.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/
ACCREDITED BY: American Railway Engineering Association; American Society of State Highway and Transportation Officials; Building Officials and Code Administrators, Inc.; various state highway departments; various owners, architects and engineers.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Certifies that a plant can produce conventional steel structures, complex steel building structures, major steel bridges, metal building systems.

NO. OF FACTORIES/
FIRMS CERTIFIED: 189.

PRODUCT
DIRECTORIES:

"AISC Register of Plants Certified under the AISC Quality Certification Program" is available free from AISC.

PROGRAM
DOCUMENTATION
AVAILABLE:

"AISC Quality Certification Program: Description" is now available from AISC along with application instructions and inspection-evaluation checklists for the various categories.

ORGANIZATION NAME: AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

ACRONYM: AITC

NATURE OF ORGANIZATION: Technical trade association founded in 1952 with a membership of approximately 200 and a staff of 10.

ADDRESS: 11818 S.E. Mill Plain Blvd., #415, Vancouver, WA 98684

PHONE NUMBER: 206-254-9132

PURPOSE: To further the development, production and marketing of timber products through the application of sound engineering practices and research and by establishment of design and product standards and a quality control and inspection system to assure economical, efficient, reliable performance in structural applications.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1961.

STANDARDS USED: Uses ANSI/AITC standards available from ANSI or AITC. Also uses ASTM, WCLIB, WWP, SPIB, and RIS standards.

CERTIFICATION ACTIVITIES:

1. Requires the inspection of a manufacturer's quality control manuals and procedures to determine their adequacy.
2. Requires the examination of the qualifications of lumber graders and quality control personnel.
3. Requires inspection of plant facilities and equipment to assess adequacy.
4. Requires periodic unannounced inspections.
5. Authorizes the use of the AITC mark and issues certificates.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all manufacturers of structural glued laminated timber.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Structural glued laminated timber.

PROGRAM DOCUMENTATION AVAILABLE: "Inspection Manual AITC 200-83" available from AITC for a fee.

ORGANIZATION NAME: AMERICAN LUMBER STANDARDS COMMITTEE

ACRONYM: ALSC

NATURE OF ORGANIZATION: Industry organization founded in 1922 with 28 members appointed by the Dept. of Commerce and a staff of nine.

ADDRESS: P.O. Box 210, Germantown, MD 20874

PHONE NUMBER: 301-972-1700

FAX NUMBER: 301-540-8004

PURPOSE: To establish and maintain standards for size, grade and other matters and to approve softwood grading rules, certify agencies and sit in review of the adequacy, competency and reliability of such agencies.

CERTIFICATION FUNCTION(S): Program administrator and certifier of inspection agencies.

STANDARDS USED: Uses NIST Voluntary Product Standard 20-70. Also uses ASTM standards and USDA terminology.

CERTIFICATION ACTIVITIES:

1. Certifies inspection agencies through the Board of Review selected by ALSC. Requires agencies to be independent of any firm whose products are subject to agency inspection; to conduct quality assurance checks of their inspection staff; to reinspect shipments subject to dispute; to supervise inspection staff; to mark lumber with appropriate identification information and agencies' own marks; to not provide inspection services to mills whose marking services have been warned, withdrawn, or suspended by another certified agency; and to maintain records on inspections for 2 years.
2. Board of review conducts field exams of certified or grade-marked lumber at destination points or at the mill using competent individuals to make such examinations. Also conducts periodic random sample check inspections on lumber grade-marked at mills utilizing the services of an ALSC certified inspection agency.
3. Has a formal appeals procedure.

COST OF SERVICES: Fixed fee for agency certification. Inspection costs depend on fee schedule of each ALSC certified inspection agency.

PRODUCTS CERTIFIED: Softwood lumber, cedar, hemlock, larch, Douglas fir, spruce, Southern yellow pine.

PROGRAM DOCUMENTATION AVAILABLE: NIST VPS PS 20-70 available from NIST or GPO, and "American Lumber Standards Committee Board of Review Enforcement Regulations and Guidelines" available free from ALSC.

ORGANIZATION NAME: AMERICAN NUMISMATIC ASSOCIATION CERTIFICATION SERVICE

ACRONYM: ANA

NATURE OF ORGANIZATION: Nonprofit organization founded in 1891 with 34,000 members and a staff of 50.

ADDRESS: 818 N. Cascade Ave., Colorado Springs, CO 80903-3279

PHONE NUMBER: 719-632-2646

FAX NUMBER: 719-634-4085

PURPOSE: To educate collectors in all aspects of coins, paper money, tokens and medals, and to maintain the ethical integrity of collectors, dealers and investors of numismatic items.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1979.

STANDARDS USED: Uses ANA standards available from ANA.

CERTIFICATION ACTIVITIES:

1. Conducts product type testing.
2. Authorizes the use of a mark and issues certificates of approval.
3. Develops standards for new items.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Chartered by Congress.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Coins, numismatic items.

ORGANIZATION NAME: AMERICAN PETROLEUM INSTITUTE

ACRONYM: API

NATURE OF ORGANIZATION: Trade association founded in 1919 with 230 companies and more than 6000 individual members. The API staff consists of approximately 600 individuals throughout the United States.

ADDRESS: API Headquarters, 1220 L St, NW, Washington, DC 20005
API Production Office, 2535 One Main Place, Dallas, TX 75202-3904

PHONE NUMBER: API Headquarters: 202-682-8000
API Production Office: 214-748-3841

FAX NUMBER: 214-748-7962 (Dallas) 202-682-8036 (Washington, DC)

TELEX: 9102505031 (Dallas) 62771747 (Washington, DC)

PURPOSE: To maintain cooperation between government and industry on all matters of national concern, to foster foreign and domestic trade in petroleum products, to promote the interests of the petroleum industry, to promote the mutual improvement of members and the study of the arts and sciences connected with the petroleum industry.

CERTIFICATION FUNCTION(S): To assure the API and users of API monogrammed products that each licensee's facility is capable of producing products in conformance with applicable specifications.

CERTIFICATION PROGRAM(S) BEGUN: Original - 1924.
API Pipe Audits - 1980.
API Quality Audits - 1985.

STANDARDS USED: Uses API Standards - available from API. These standards reference ASTM, ASME, ASM, NACE, AWS, AISI, and other standards.

CERTIFICATION ACTIVITIES: Manufacturer's Activities
1. Have a functioning quality program in conformance with applicable API Specifications, including API Spec. Q1.
2. Submit application with a copy of Manufacturer's Quality Manual to API.
API Activities
1. Review applications for completeness.
2. Evaluate applicant's Quality Manual against the requirements of the appropriate API specifications.
3. Survey applicant's facility to objectively verify that the quality program described in the applicant's Quality Manual is in place and functioning.
4. Make a decision on issuing a license based on extent objective evidence substantiates applicant's conformance.
5. Continue to evaluate a licensee's performance with repeated surveys.

COMMENTS: Appeals - An interested party may appeal a decision by the Institute to withhold monogram rights. Appeals shall be directed to the Director, API Production Department with a further right of appeal to the API Management Committee. Competing suppliers or manufacturers of the product or service to which the standard applies or might apply may not be involved in appeals. The General Committee and the Management Committee may convene appeals boards to hear and act on appeals.

AVAILABILITY
OF SERVICES: Open to all interested parties.

COST OF SERVICES: Fixed license fees with annual renewal charges.

PRODUCTS:
LICENSED: Oil field equipment and materials.

NO. OF LICENSED
API MANUFACTURING
FACILITIES (ALL
SPECIFICATIONS): Approximately 2,100 licensed manufacturing facilities.

PRODUCT
DIRECTORIES: "Catalog of Publications and Materials," and "Composite List of Manufacturers Licensed for Use of the API Monogram."

NOTE: All publications are available from API Publication and Distribution Section, 1220 L St., NW, Washington, DC 20005 for a nominal fee to cover printing costs.

ORGANIZATION NAME: AMERICAN PLYWOOD ASSOCIATION

ACRONYM: APA

NATURE OF ORGANIZATION: Trade association founded in 1933 with 52 member companies and 122 manufacturing plants and a staff of 176.

ADDRESS: 7011 So. 19th St., Tacoma, WA 98411

PHONE NUMBER: 206-565-6600

FAX NUMBER: 206-565-7265

TELEX: 327430 AMPLY TAC

LOCATIONS OF TESTING FACILITIES: Tacoma, WA; Shreveport, LA; Coeur d'Alene, ID; Eugene, OR; Medford, OR; Dothan, AL; Florence, SC.

PURPOSE: To conduct trade promotion activities including cooperative advertising and publicity; to develop a statistical service of interest to the industry; to engage in research and product certification/validation; to own and register trademarks and also license them for use by its members; to conduct other activities to promote the interests of the industry.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1938.

STANDARDS USED: Product Standard PSI-83 (available from NIST) and APA Performance Rated Panels PRP-108.

CERTIFICATION ACTIVITIES:

1. Operates two quality assurance programs. Random audit program requires inspection 3-5 times per week by APA staff. Certified inspector program requires intensive training of a mill employee who serves as the in-plant inspector with APA audit inspections being conducted at least once per week.
2. Authorizes use of APA registered trademarks to identify products inspected and tested under certification/validation program.
3. Has a dispute resolution procedure for buyers and producers.
4. Approves new glue applications and adhesives for plywood.
5. Publishes product directories and use manuals.

PROGRAMS RECOGNIZED/ACCREDITED BY: The National Model Building Codes (ICBO, BOCA, and SBCCI) and HUD.

COMMENTS: Has no formal appeals procedure.

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| AVAILABILITY OF SERVICES: | Open to members. |
| COST OF SERVICES: | Based on size of production. |
| PRODUCTS CERTIFIED: | Industrial plywood, construction plywood, waferboard, oriented strand board, structural particleboard. |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | Approximately 122. |
| PRODUCT DIRECTORIES: | "APA Directory" available free upon request. |
| PROGRAM DOCUMENTATION AVAILABLE: | "Grading Policies," "Qualification Procedures for Trademarking Privileges," "Adhesive Policy," "Trademark License Agreement" and "American Plywood Association Quality Assurance Program" are available upon request. |

ORGANIZATION NAME: AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ACRONYM: ASME

NATURE OF ORGANIZATION: Nonprofit professional/technical organization founded in 1880 with a membership of 117,000 and a staff of 350.

ADDRESS: 345 East 47th Street, New York, NY 10017

PHONE NUMBER: 212-705-7822

FAX NUMBER: 212-705-7674

TELEX: 710-581-5267

PURPOSE: To promote technology transfer.

ACCREDITATION FUNCTION(S): Program administrator.

ACCREDITATION PROGRAM(S) BEGUN: 1915.

STANDARDS USED: Uses ASME standards available from ASME. Also use API, AWS and other standards.

ACCREDITATION ACTIVITIES:

1. Evaluates manufacturer's Q.A. system.
2. Third-party inspections are conducted by ASME certified inspectors/agencies.
3. Authorizes the use of its mark.
4. Has a formal appeals procedure.
5. Develops standards to test new products.

COMMENTS: ASME administers its accreditation programs uniformly throughout the world in accordance with a consent decree signed by attorneys for U.S.A. National Board and ASME.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Recognized by NRC, MMC, U.S. Coast Guard, U.S. Postal Service, states and municipalities in the United States, provinces of Canada, and a number of foreign agencies.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on actual costs.

PRODUCTS COVERED: Boiler and pressure vessel manufacturers, acrylic material manufacturers, nuclear material manufacturers and suppliers, nuclear component manufacturers and installers, valve manufacturers, pump manufacturers, piping manufacturers, elevator inspector certifying institutes.

PROGRAM DOCUMENTATION AVAILABLE: ASME publishes a list of approved inspection/testing/ certifying agencies.

ORGANIZATION NAME: AMERICAN SOCIETY OF SANITARY ENGINEERING

ACRONYM: ASSE

NATURE OF ORGANIZATION: Technical organization founded in 1906 with a membership of 2700.

ADDRESS: P.O. Box 40362, Bay Village, OH 44140

PHONE NUMBER: 216-835-3040

LOCATIONS OF TESTING FACILITIES: Eleven official test labs in: Medford and Westbury, NY; Norwood, MA; Fresno and Los Angeles, CA; Ann Arbor, MI; Hoboken, NJ; Pittsburgh, PA; Tulsa, OK.

PURPOSE: To conduct research on plumbing and sanitation, and to develop performance standards for components of the plumbing system.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses ASSE Standards available from ASSE.

CERTIFICATION ACTIVITIES:

1. Requires product to pass ASSE approved laboratory testing.
2. Requires a review of the product's detailed drawings and installation information.
3. After 5 years, requires resubmission of detailed drawings for ASSE review.

COMMENTS: Has no formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed initial fee with annual renewal fees.

PRODUCTS CERTIFIED: Vacuum breakers, ball cocks, valves, dishwashing machines, washing equipment, food waste disposers, water hammer arresters, backflow preventers, handheld showers, wall hydrants, drain air gaps, hot water dispensers, diverters, flow restrictors, plumbing components.

PROGRAM DOCUMENTATION AVAILABLE: "Authorization Procedure Information," and "Official Testing Laboratories" are available free upon request.

ORGANIZATION NAME: AMERICAN WOOD PRESERVERS BUREAU

ACRONYM: AWPB

NATURE OF ORGANIZATION: Quality control program for pressure treated lumber and plywood.

ADDRESS: P.O. Box 5283, Springfield, VA 22150

PHONE NUMBER: 703-339-6660

FAX NUMBER: 703-339-6711

LOCATIONS OF TESTING FACILITIES: Virginia.

PURPOSE: To serve industry members, wholesalers, retailers, and users of pressure treated wood by providing a third-party quality control program.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1971.

STANDARDS USED: AWPB procedures available from AWPB. Also uses ASTM and AWPA standards and federal specifications.

CERTIFICATION ACTIVITIES:

1. Certifies inspection agencies, who in turn conduct an initial inspection of the plant's equipment and approve the resident quality control supervisor.
2. Inspection agencies must continually determine that procedures and requirements of the standards are being adhered to and inspect plant equipment at least once every 6 months.
3. Inspection agencies or the resident quality control supervisor must sample every lot and submit the samples to AWPB for testing.
4. AWPB has a buyer/seller dispute settlement mechanism.
5. Conducts a random survey of 10% of each agency's plants annually.
6. AWPB authorizes the use of its mark through the inspection agencies to manufacturers and publishes a list of licensed treaters.
7. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all treaters.

COST OF SERVICES: Depends on inspection agency selected.

PRODUCTS CERTIFIED: Pressure preserved lumber, pressure preserved plywood, pressure preserved pilings.

NO. OF FACTORIES/
FIRMS CERTIFIED: Over 290.

PRODUCT
DIRECTORIES: "AWPB Qualified Treating Plants" available free from AWPB.

PROGRAM
DOCUMENTATION
AVAILABLE: "Quality Control and Inspection Procedures," "The Pressure-Treated Industry's Quality Control and Certification Program," "Bureau Facts No. 1 - Random Sampling in the Market Place," "Bureau Facts No. 2 - Triple Tiered Inspection," "Bureau Facts No. 3 - AWPB's Board of Review: Referee for Inspection Agencies," "Why you can count on quality."

ORGANIZATION NAME: APPLIED RESEARCH LABORATORIES

ACRONYM: ARL

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1949.

ADDRESS: 5371 N.W. 161 St., Miami, FL 33014

PHONE NUMBER: 305-624-4800

FAX NUMBER: 305-624-3652

TELEX: 293659 ARLFIUR

LOCATIONS OF TESTING FACILITIES: Miami, FL.

PURPOSE: To provide safety and performance testing and product certification for consumer and commercial products.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1960.

STANDARDS USED: Does not develop standards. Uses UL, ANSI, ASTM, and other recognized standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic product testing by ARL.
2. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q A. system.
3. Requires proper labeling procedures.
4. Authorizes the use of its mark and issues approved product/manufacturer directories.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Authorized by Japan to inspect electronics and electrical appliances and medical equipment factories in the United States for purposes of applying the T-mark to products. Recognized by CABO and various official building organizations, ASTM, and NFPA. Also by HUD, TVA, and all states which have formal recognition programs.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS
CERTIFIED:

Air-conditioning and refrigeration equipment and accessories, factory made air ducts and connectors, electrical lighting fixtures, central cooling air-conditioners, room air conditioners, flammable liquid dispensing equipment, fire door assemblies, elevator doors, electrical central air-heating equipment, halon fire extinguishers, gas and electric household appliances, commercial cooking appliances, commercial dry-cleaning equipment, dehumidifiers, electric aquarium equipment, electric boiler heating equipment, electric coin-operated clothes washing equipment, electric heating appliances, electric home laundry equipment, electric motor-operated appliances, electric motors, electric panelboards, electric power conservation devices, electric signs, electric time-indicating and -recording devices, energy management equipment and accessories, fan coil units and room fan heater units, heat pump pool and spa heaters, heat pump water heaters, heat pumps, household dishwashers, household electric fans, ice makers and dispensers, indirect hot water storage heaters, industrial control equipment, kitchen and vanity cabinets, liquid fuel-fired portable space heating equipment, medical and dental equipment, motor control centers, motor-operated air compressors, vacuum pumps and painting equipment, motor-operated water pumps, personal hygiene and health care appliances, power outlets, power ventilators, radio receivers, audio systems and accessories, residential gas detectors, roof covering materials, sanitary fixtures and equipment, swimming pool pumps, filters and chlorinators, temperature-indicating and regulating equipment, transformers (class 2 and 4), transient voltage surge suppressors, underwater light fixtures, water circulating radiant heating equipment, water conditioners and accessories, watt hour meters, X-ray equipment and accessories.

NO. OF FACTORIES/
FIRMS CERTIFIED:

Varies by product, although ARL is the second largest listing and labeling agency in the United States.

PRODUCT
DIRECTORIES:

"ARL Listed Products Directory" is available upon request.

PROGRAM
DOCUMENTATION
AVAILABLE:

"You No Longer Need to Use UL for Product Certification," "ARL - Corporate Brochure," "Your Product's Passport to the U.S.A.," etc.

ORGANIZATION NAME: ARCHITECTURAL WOODWORK INSTITUTE

ACRONYM: AWI

NATURE OF ORGANIZATION: Trade association founded in 1953 with a membership of 700 and a staff of six.

ADDRESS: 2310 S. Walter Reed Drive, Arlington, VA 22206

PHONE NUMBER: 703-671-9100

PURPOSE: To elevate industry standards, to conduct research on new and better materials and methods, and to publish technical data helpful to architects and specification writers in the design and use of architectural wood.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: AWI standards available from AWI. Also uses ASTM, NFPA, NWMA, USDA and federal specifications.

CERTIFICATION ACTIVITIES:

1. Requires product inspection by two qualified inspectors with product testing as necessary.
2. Requires self-certification by the manufacturer.
3. Has a buyer/seller dispute settlement mechanism.
4. Authorizes the use of its mark.

COMMENTS: Has no formal appeals procedure.

AVAILABILITY OF SERVICES: Available to all U.S. manufacturers.

COST OF SERVICES: Based on actual costs incurred in the inspection/testing.

PRODUCTS CERTIFIED: Lumber, plywood, particleboard, trim, casework, flush paneling, high pressure laminate paneling, stile and rail paneling, closet and storage shelving, miscellaneous ornamental items, stairwork, handrails, exterior wood frames, wood sashes, screens, blinds, shutters, architectural flush doors, stile and rail doors, prefinished interior wood products.

PRODUCT DIRECTORIES: None.

PROGRAM DOCUMENTATION AVAILABLE: "Architectural Woodwork: Quality Standards, Guide Specifications and Quality Certification Program" available upon request.

ORGANIZATION NAME: THE ASSOCIATED LABORATORIES, INC.

ACRONYM: ALI

NATURE OF ORGANIZATION: Administrator of third-party product certification programs.

ADDRESS: P.O. Box 15705, 1323 Wall Street, Dallas, TX 75215

PHONE NUMBER: 214-565-0593

FAX NUMBER: 214-565-1094

LOCATIONS OF TESTING FACILITIES: Dallas, TX.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1966 (sealed insulating glass), 1962 (aluminum doors and windows), 1982 (vinyl windows), 1966 (wood windows), 1975 (carpets), 1976 (manufactured housing windows and doors).

STANDARDS USED: Uses AAMA/ANSI standards available from AAMA or ANSI, ASTM standards available from ASTM, NWMA/ANSI standards available from NWMA or ANSI, and HUD standards available from HUD or GPO.

CERTIFICATION ACTIVITIES:

1. Provides accreditation of manufacturers' laboratories for quality control testing.
2. Provides accreditation of commercial laboratories to conduct required initial and periodic testing.
3. Authorizes the use of the ALI symbol.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY:

1. Programs are accredited by ANSI.
2. Conducts aluminum window and door and manufactured housing window and door programs in cooperation with HUD and AAMA, and its wood window and carpet programs in cooperation with HUD.
3. Sealed insulating glass program is recognized by SIGMA.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Aluminum, wood and vinyl windows and doors; carpets; sealed insulating glass; manufactured housing windows and doors.

NO. OF FACTORIES/
FIRMS CERTIFIED: Aluminum windows and sliding doors (195 manufacturing facilities and 14 laboratories), vinyl windows (22 manufacturing facilities and 14 laboratories), wood windows (7 manufacturing facilities and 14 laboratories), carpets (15 manufacturing facilities), sealed insulating glass (188 manufacturers and 5 laboratories), manufactured housing windows and doors (48 manufacturing facilities and 14 laboratories).

PRODUCT
DIRECTORIES: "Fenestration Products- Windows and Door Sealed Insulating Glass" and "ALI Carpet Certified Product Directory."

PROGRAM
DOCUMENTATION
AVAILABLE: "ALI Certification Program for Wood Windows," "ALI Certification Program for Carpets," and "ALI Certification Program for Sealed Insulating Glass."

ORGANIZATION NAME: ASSOCIATION OF HOME APPLIANCE MANUFACTURERS

ACRONYM: AHAM

NATURE OF ORGANIZATION: Trade association founded in 1966 with a membership of over 100 and a staff of approximately 25.

ADDRESS: 20 N. Wacker Drive, Chicago, IL 60606

PHONE NUMBER: 312-984-5800

LOCATIONS OF TESTING FACILITIES: ETL in Cortland, NY; IIT Research Institute in Chicago, IL.

PURPOSE: To represent the industry to the government and consumers; to provide market research and reporting of industry statistics; to develop standards and conduct certification programs; to conduct consumer education and handle consumer complaints; to assist appliance manufacturers conduct business in the world market.

CERTIFICATION FUNCTION(S): Program sponsor.

CERTIFICATION PROGRAM(S) BEGUN: Three programs (Room Air-Conditioner, Refrigerator-Freezer, and Dehumidifier) were adopted when AHAM was formed in 1966. Humidifier program initiated in 1972. Room air cleaner program initiated in 1985.

STANDARDS USED: ANSI/AHAM standards available from AHAM or ANSI. Also uses DOE, UL, ASHRAE, and ANSI standards.

CERTIFICATION ACTIVITIES:

1. Requires manufacturer's self-certification that products meet AHAM standard.
2. Requires verification of self-certification through testing of a fixed percentage of models by independent Laboratory.
3. Has labeling requirements for all.
4. Requires an initial review of the manufacturer's testing facilities and quality control procedures by independent laboratory.
5. Requires that if a challenge test, which is performed by a competing licensee, indicates that the licensee's product does not conform, that the product in question be retested by independent laboratory and appropriate action taken if nonconformance is substantiated.
6. Authorizes the use of its mark and publishes certified product directories.
7. Each program provides for testing of a second sample in a case where the initial finding of non-compliance is based on a single sample test.

AVAILABILITY OF SERVICES: Open to all models sold domestically and to exports which may be selectively certified by each licensee.

COST OF SERVICES: Based on size of production.

PRODUCTS
CERTIFIED: Room air-conditioners, refrigerator-freezers, dehumidifiers, humidifiers, room air cleaners.

NO. OF FACTORIES/
FIRMS CERTIFIED: Dehumidifiers (22), refrigerator-freezers (53), humidifiers (11), room air-conditioners (26), room air cleaners (8).

PRODUCT
DIRECTORIES: Directories are available for each certified product for a fee.

PROGRAM
DOCUMENTATION
AVAILABLE: Procedural Guides are available free for each product from AHAM.

ORGANIZATION NAME: BAKING INDUSTRY SANITATION STANDARDS COMMITTEE

ACRONYM: BISSC

NATURE OF ORGANIZATION: Trade association founded in 1949 with a membership of 135 registered companies and a staff of five.

ADDRESS: 111 E. Wacker Drive, Suite 600, Chicago, IL 60601

PHONE NUMBER: 312-644-6610

FAX NUMBER: 312-565-4658

LOCATIONS OF TESTING FACILITIES: None.

PURPOSE: To develop, publish, and promote the use of voluntary sanitation standards covering the design and construction of machinery and equipment used in the baking industry.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1966.

STANDARDS USED: BISSC standards as well as ANSI and NFPA standards.

CERTIFICATION ACTIVITIES: 1. Requires manufacturer's self-certification.
2. Authorizes the use of its symbol and issues certificates of approval.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to equipment manufacturers registered with BISSC.

COST OF SERVICES: Fixed fee.

PRODUCTS CERTIFIED: Baking equipment and machinery covered by BISSC standards.

NO. OF FACTORIES/
FIRMS CERTIFIED: 135 firms.

PRODUCT DIRECTORIES: A list of certified equipment manufacturers is available free upon request.

PROGRAM DOCUMENTATION AVAILABLE: BISSC 1986 Revised Standards (next edition 1990). BISSC Lists of Registered and Authorized Companies.

ORGANIZATION NAME: BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.

ACRONYM: BHMA

NATURE OF ORGANIZATION: Trade association founded in 1926 with a membership of 64.

ADDRESS: 355 Lexington Ave., 17th Floor, New York, NY 10017

PHONE NUMBER: 212-661-4261
FAX NUMBER: 212-370-9047

LOCATIONS OF TESTING FACILITIES: ETL in Cortland, NY. Negotiation also underway with Underwriters Laboratories.

PURPOSE: To provide statistical services, to conduct a standardization program, and to offer educational services.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION ACTIVITIES:

1. Requires sample selection and testing by the laboratory.
2. Requires the witnessing of testing procedures at the factory by the laboratory.
3. Requires annual testing by the laboratory for locks, lock trim and door closers and periodic testing for cabinet hardware.
4. Requires product retesting in a case where a complaint appears to be substantiated.
5. Requires self-certification by the manufacturer.
6. Has a formal appeals procedure.
7. Authorizes the use of its mark and issues approved product directories.

COMMENTS: Currently working on a program for exit devices.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Locks and lock trim, door closers.

NO. OF FACTORIES/
FIRMS CERTIFIED: Locks and latches (15), Door Closers (9).

PRODUCT DIRECTORIES: "Directories of Certified Locks and Latches and Certified Door Closers" available from BHMA for a fee.

PROGRAM DOCUMENTATION AVAILABLE: Certification Program Operational Manuals 102 and 103 available from BHMA for a fee.

ORGANIZATION NAME: BUILDING OFFICIALS AND CODE ADMINISTRATORS, INTERNATIONAL, INC.

ACRONYM: BOCA

NATURE OF ORGANIZATION: Service organization founded in 1915 with a membership of approximately 11,000 and a staff of 54.

ADDRESS: 4051 W. Flossmoor Road, Country Club Hills, IL 60478

PHONE NUMBER: 312-799-2300

PURPOSE: To promote the establishment of minimum, unbiased building codes and provide services for keeping them up to date.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: BOCA Basic National Codes which are available from BOCA.

CERTIFICATION ACTIVITIES:

1. Requires submission and review of technical information on the product.
2. Requires testing and inspection by a qualified, independent laboratory.
3. Issues a preliminary draft report for applicant's comments and finalizes report after further review.
4. Distributes report and authorizes applicant to use report numbers or "See BOCA Research Report No. XXX" in connection with the product.
5. Requires annual confirmation from the manufacturer that the product has not changed.
6. Issues a periodic "Research Report Listing."
7. Has a formal appeals procedure.

COMMENTS: Evaluates and writes a report regarding the compliance of the product or agency to the BOCA National Codes.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fees plus varying costs for printing and distribution of the report based on number of copies printed.

PRODUCTS CERTIFIED: Adhesives; air supported structures; automatic sliding doors; building system design; damper and door equipment and devices; decking - floor and roof; ducts; elevator doors and entrances; exterior doorways; exterior finishes; chimneys and fireplaces; factory-built houses; fasteners and fastening devices; fire communication systems; fire detection systems; fire doors; fire-resistive materials and systems; fire retardant treatment of lumber; foundation systems; gas logs; glass; HVAC systems and equipment; insulation; interior finishes; joists and beams - steel and wood; lumber grading; masonry and mortar - concrete; metal buildings and systems;

plastics; plumbing materials, devices and systems; plumbing fixtures; roofing systems; sandwich panels (composite panels); sheathing systems; skylights; smoke and heat venting systems; swimming pools; columns - steel and wood; truss systems; unvented heating appliances; waterproofing membranes; manufactured homes.

NO. OF FACTORIES/
FIRMS CERTIFIED:

Over 480 products.

PRODUCT
DIRECTORIES:

"Research Report Listing" is available free to BOCA members and the public.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Procedures Manual for the BOCA Evaluation Services" is available free from BOCA.

Received 6/89

ORGANIZATION NAME: CALIFORNIA LUMBER INSPECTION SERVICE

ACRONYM: CLIS

NATURE OF ORGANIZATION: A wood products quality control agency founded in 1957 with a membership of 143 and a staff of eight.

ADDRESS: P.O. Box 6989, San Jose, CA 95125

PHONE NUMBER: 408-297-8071

FAX NUMBER: 408-246-5415

LOCATIONS OF TESTING FACILITIES: San Jose, CA.

PURPOSE: To maintain wood product industrial standards.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1957.

STANDARDS USED: Uses PS 20-80 available from ALSC. Also uses the Uniform Building Codex and the standards of the American Wood Preservers Bureau.

CERTIFICATION ACTIVITIES:

1. Requires product type testing and follow-up testing.
2. Requires initial and follow-up factory inspections including an evaluation of the manufacturer's Q.A. system.
3. Authorizes the use of its mark and issues certificates of approval.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Lumber, shakes and shingles, laminated timber, pressure treated wood, roof trusses using metal connector plates, machine stress rated lumber, in-factory prefabricated construction.

NO. OF FACTORIES/
FIRMS CERTIFIED: 143.

ORGANIZATION NAME: CAST IRON SOIL PIPE INSTITUTE

ACRONYM: CISPI

NATURE OF ORGANIZATION: Trade association founded in 1949 with a membership of seven and a staff of nine.

ADDRESS: 5959 Shallowford Rd., Suite 419, Chattanooga, TN 37421

PHONE NUMBER: 615-892-0137

FAX NUMBER: 615-892-0817

LOCATIONS OF TESTING FACILITIES:

PURPOSE: To improve the collective welfare of the domestic cast iron soil pipe industry: to improve and advance its service to the public; and, in furtherance of such purposes, to carry on such activities as may be proper and lawful.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1949.

STANDARDS USED: Uses ASTM A74, ASTM A888, and ASTM C564.

CERTIFICATION ACTIVITIES:

1. Conducts initial and periodic factory inspections.
2. Authorizes the use of its mark.
3. Develops standards to test new products.

AVAILABILITY OF SERVICES: Available to members only.

COST OF SERVICES: Based on fixed fee schedule.

PRODUCTS CERTIFIED: Cast iron soil pipe and fittings.

NO. OF FACTORIES/
FIRMS CERTIFIED: 11 firms.

PRODUCT DIRECTORIES: None.

ORGANIZATION NAME: CELLULOSE INDUSTRY STANDARDS ENFORCEMENT PROGRAM

ACRONYM: CISEP

NATURE OF ORGANIZATION: Nonprofit association founded in 1983.

ADDRESS: 1315 Talbot Tower, Dayton, OH 45402

PHONE NUMBER: 513-222-1024

FAX NUMBER: 513-222-5794

LOCATIONS OF TESTING FACILITIES: Use UL in Northbrook, IL.

CERTIFICATION FUNCTION(S): Program overseer.

STANDARDS USED: Uses ASTM C-739 and FTC requirements listed in 16 CFR Part 460.

CERTIFICATION ACTIVITIES:

1. Retains UL as a testing agency.
2. Specifies Q.A. program requirements.
3. Requires initial testing/inspection by UL. Tests results from other laboratories may be accepted by UL
4. Requires quarterly follow-up inspections and monthly testing by UL with samples collected from the market-place. Testing may be conducted at the manufacturer's testing facilities if acceptable and if witnessed by UL staff.
5. Requires manufacturer to have product liability insurance.
6. Authorizes the use of its seal and publishes a member listing.
7. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all cellulose insulation producers.

COST OF SERVICES: Fixed initiation fee plus cost of testing/inspection plus a fixed fee per bag produced.

PRODUCTS CERTIFIED: Cellulose insulation.

PRODUCT DIRECTORIES: See UL Listing.

PROGRAM DOCUMENTATION AVAILABLE: "Code of Regulations" and various descriptive brochures.

ORGANIZATION NAME: CENTER FOR AGRICULTURAL EQUIPMENT
(FORMERLY NEBRASKA TRACTOR TESTING LABORATORY- TTL)

ACRONYM: CAE

NATURE OF ORGANIZATION: Nonprofit independent testing laboratory whose predecessor (TTL) was founded in 1920.

ADDRESS: University of Nebraska, AEL Building, East Campus, Lincoln, NE 68583-0832

PHONE NUMBER: 402-472-2442

FAX NUMBER: 402-472-6338

LOCATIONS OF TESTING FACILITIES: Lincoln, NE.

PURPOSE: To provide testing and assistance to industry in research and development work in related areas.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: Original program begun in 1920.

STANDARDS USED: Uses SAE, ASAE, OECD, ISO standards.

CERTIFICATION ACTIVITIES:

1. Requires product type testing.
2. Requires special standards performance tests (SAE, OECD, DOD) as necessary.
3. Issues a performance report.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Recognized by SAE, ASAE, FIEI. Also recognized by the State of Nebraska, the OECD, the Dept. of Commerce, and the Dept. of Defense.

AVAILABILITY OF SERVICES: Available to all.

COST OF SERVICES: Based on actual costs.

PRODUCTS CERTIFIED: Tractors, tractor components (shafts, couplers), lawn and garden equipment, fuel and oil additives, engine accessories, aircraft and towing vehicles.

PRODUCT DIRECTORIES: Publishes product performance reports.

ORGANIZATION NAME: CERTIFIED AUTOMOTIVE PARTS ASSOCIATION

ACRONYM: CAPA

ADDRESS: Suite 305, 1518 K Street, NW, Washington, DC 20005

PHONE NUMBER: 202-737-0766

LOCATIONS OF

TESTING FACILITIES: Uses Detroit Testing Laboratory (DTL) in Michigan.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1986.

STANDARDS USED: Uses CAPA standards 101, and 201-204.

CERTIFICATION
ACTIVITIES:

1. Requires initial/periodic product testing by DTL.
2. Requires initial and periodic factory inspection and evaluation of the testing portion of a manufacturer's Q.A. system.
3. Requires audit tests in the United States.
4. Issues certificates of approval and CAPA authorizes the use of its mark.
5. CAPA develops standards to test new products.
6. Has a formal appeals procedure.

PROGRAMS

RECOGNIZED BY: Some state insurance companies.

AVAILABILITY

OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule or actual costs.

PRODUCTS

CERTIFIED: Automotive aftermarket replacement crash parts (metal and plastic).

NO. OF FACTORIES/

FIRMS CERTIFIED: 20.

PROGRAM

DOCUMENTATION

AVAILABLE: CAPA Procedural Manual and CAPA standards 101, 201, and 204 are available.

ORGANIZATION NAME: CERTIFIED BALLAST MANUFACTURERS (An Incorporated Association)

ACRONYM: CBM

NATURE OF ORGANIZATION: Trade association founded in 1949 with a membership of six manufacturers.

ADDRESS: 772 Hanna Bldg., Cleveland, OH 44115

PHONE NUMBER: 216-241-0711

FAX NUMBER: 216-241-0713

LOCATIONS OF TESTING FACILITIES: ETL Testing Laboratories, Inc. in Cortland, NY.

PURPOSE: To conduct a certification program requiring independent laboratory testing and certification and to promote quality performance in fluorescent lighting.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1951.

STANDARDS USED: Uses ANSI standards for fluorescent lamp ballasts standards and related ANSI standards on lamp measurement methods, as well as UL standards and the National Electrical Code.

CERTIFICATION ACTIVITIES:

1. Requires initial testing by ETL.
2. Requires periodic inspection and testing of random samples selected by the ETL inspector.
3. Authorizes the use of the CBM mark and issues a monthly directory of listed ballasts.
4. Procedural Guide outlines appeals procedure.

AVAILABILITY OF SERVICES: Open to any manufacturer who wishes to qualify.

COST OF SERVICES: Related to sales volume with a minimum fee.

PRODUCTS CERTIFIED: Fluorescent lamp ballasts.

NO. OF FACTORIES/ FIRMS CERTIFIED: 6 manufacturers, 13 plants.

PRODUCT DIRECTORIES: Issues monthly directory of listed ballasts.

PROGRAM DOCUMENTATION AVAILABLE: "Facts about Ballasts for Fluorescent Lamps It Will Pay You to Know" available free from CBM. Also Procedural Guide B10, available to interested manufacturers.

ORGANIZATION NAME: COOLING TOWER INSTITUTE

ACRONYM: CTI

NATURE OF ORGANIZATION: Technical society founded in 1950 with 325 members and a staff of three.

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

PHONE NUMBER: 713-350-1995

FAX NUMBER: 713-537-1721

LOCATIONS OF TESTING FACILITIES: Field testing and at customers facilities.

PURPOSE: To improve technology, design, and performance of industrial cooling towers.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1962.

STANDARDS USED: Uses CTI standards available from CTI.

CERTIFICATION ACTIVITIES:

1. Requires the submittal and review of product specifications and design details.
2. Requires field or laboratory testing of towers by CTI.
3. Conducts complaint testing when complaint appears valid.
4. Provides certificate and authorizes the use of its mark.
5. Systematic re-verification is described in CTI Standard - STD-201.
6. Procedure for handling violations is described in STD-201.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on and in line with costs of cooling tower testing. Rates published in CTI Bulletin PRM-102 available from CTI.

PRODUCTS CERTIFIED: Commercial water-cooling towers.

NO. OF FACTORIES/
FIRMS CERTIFIED: 2 active.

PROGRAM DOCUMENTATION AVAILABLE: "Certification Standard for Commercial Water-Cooling Towers" STD-201 available for a fee from CTI.

ORGANIZATION NAME: CORPORATION FOR OPEN SYSTEMS INTERNATIONAL

ACRONYM: COS

NATURE OF ORGANIZATION: A nonprofit research and development consortium founded in 1986 with a staff of 60 and a membership of 65.

ADDRESS: 1750 Old Meadow Road, Suite 400, McLean, VA 22102

PHONE NUMBER: 703-883-2700

FAX NUMBER: 703-848-4572

TELEX: WUI6503157578MCTIWW

LOCATIONS OF TESTING FACILITIES: COS facilities in VA and accredited laboratories in other locations. Contact COS for a current list.

PURPOSE: To provide an international vehicle for accelerating the introduction of interoperable, multi-vendor products and services operating under agreed to Open System Interconnection, Integrated Services Digital Network and related international standards to assure acceptance of an open network architecture in world markets.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: March 1989.

STANDARDS USED: Uses ISO/IEC Guides, ISO 9646, the ISO 9000 Series, CCITT, and IEC standards.

CERTIFICATION ACTIVITIES:

1. Conduct product type testing and follow-up testing according to a set of COS conformance tests.
2. Vendors have to be committed to resolving interoperability problems between COS Mark products should they arise.
3. Operates a COS Interoperability Analysis Service to develop a technical opinion if vendors cannot agree as to the cause of the interoperability between COS Mark products.
4. Offers post-sale assistance to vendors and user of COS Mark products regarding product problems
5. Accredits testing laboratories to do testing.
6. Authorizes the use of its mark.
7. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: Hopes to be accredited under requirements being established by NIST/NVLAP.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule.

PRODUCTS
CERTIFIED:

OSI - conformant implementation of Transport Class 4 over
Token Bus (TP4/802.4), Transport Class 4 over CSMA/CD
(TP802.3), Message Handling Service (MHS) over TP4/802.3 --
Open System Interconnection (OSI) and ISDN computer
communications products.

PROGRAM
DOCUMENTATION
AVAILABLE:

The "COS Mark" Backgrounder, Guide to COS Accreditation,
and COS Mark Program Procedures are available from COS.

ORGANIZATION NAME: COUNCIL OF AMERICAN BUILDING OFFICIALS/NATIONAL EVALUATION SERVICE

ACRONYM: CABO/NES

NATURE OF ORGANIZATION: CABO is a consortium of the three model code organizations Building Officials and Code Administrators International (BOCA), International Conference of Building Officials (ICBO) and the Southern Building Code Congress International (SBCCI) whose combined membership is more than 10,000 cities, states and towns.

ADDRESS: 5203 Leesburg Pike, Suite 708, Falls Church, VA 22041

PHONE NUMBER: 703-931-4533

LOCATIONS OF

TESTING FACILITIES: Evaluates testing facilities throughout the United States.

PURPOSE: To represent building officials at all levels of government and to promote new product acceptance, uniform regulations, and adoption of model codes.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1975.

STANDARDS USED: Uses BOCA, ICBO, and SBCCI model codes which are available from those organizations.

CERTIFICATION

ACTIVITIES:

1. Evaluates, for listing purposes, testing facilities to ascertain whether they have necessary personnel and equipment to perform tests in accordance with applicable standards contained in the model building codes.
2. Requires inspection and/or testing of the product by a listed agency.
3. Issues a draft report for the applicant's comments and finalizes report after further review.
4. Distributes report and authorizes applicant to use "See National Evaluation Service Report No. XXX For allowable values and/or conditions of use concerning material presented in this document" in connection with this product.
5. Requires annual confirmation that the product has not changed.
6. Issues periodic research report listings.
7. Has a formal appeals procedure.

PROGRAMS

RECOGNIZED/

ACCREDITED BY: Recognized by many local/state building officials.

COMMENTS: National Evaluation Reports (NER) are recognized as being equivalent to BOCA, ICBO and SBCCI reports.

AVAILABILITY
OF SERVICES: Open to all.

COST OF SERVICES: Basic fee plus varying costs for additional items and branches to be listed.

PRODUCTS
CERTIFIED: Building products, systems, materials, and organizations are evaluated.

ORGANIZATION NAME: CULTURED MARBLE INSTITUTE

ACRONYM: CMI

NATURE OF ORGANIZATION: Trade association founded in 1974 with a staff of two-five and a membership composed of manufacturers and suppliers of polyester resin-based synthetic marble products.

ADDRESS: 435 North Michigan Ave., Suite 1717, Chicago, IL 60611

PHONE NUMBER: (312) 644-0828

LOCATIONS OF TESTING FACILITIES: Uses NAHB National Research Center, Upper Marlboro, MD. For program information contact: Mr. Richard D. James, NAHB NRC, 400 Prince George's Boulevard, Upper Marlboro, MD 20772-8731, Phone (301) 249-4000.

PURPOSE: To promote the merits of cultured marble products; to expand markets for the benefit of manufacturers, suppliers, and sellers of these products; to develop and promote industry-wide standards of product quality and acceptability; to represent the industry before government, code bodies, and regulatory agencies of all types; to guarantee supplies of raw materials; and to carry out other activities designed to protect and promote the industry's interests.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Use CMI standards available from CMI. Also uses ASTM, HUD Use of Materials Bulletin 73a, ANSI, and ASME/ANSI standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic random testing of products to assure their conformance to specified standards.
2. Requires initial and periodic unannounced inspections of the manufacturing facilities, personnel, and quality control systems of participating firms.
3. Issues certificates of approval and authorized the use of its mark.
4. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

PRODUCTS CERTIFIED: Cultured marble and onyx bathroom fixtures, including bathtubs, lavatories, shower receptors and surrounds.

NO. OF FACTORIES/ FIRMS CERTIFIED: 91 firms representing around 60% of the industry.

PRODUCT DIRECTORIES: Publishes a Membership/Product Directory.

PROGRAM DOCUMENTATION AVAILABLE: "Cultured Marble Products Certification Program" information pamphlet is available free from CMI.

ORGANIZATION NAME: DASH, STRAUS, AND GOODHUE, INC

ACRONYM: DSG

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1980 with a staff of 50.

ADDRESS: 593 Massachusetts Ave., Boxborough, MA 01719

PHONE NUMBER: 508-263-2662

FAX NUMBER: 508-263-7086

TELEX: 317632 DASH

LOCATIONS OF TESTING FACILITIES: Boxborough, MA.

PURPOSE: To conduct testing and certification for product safety, EMC and telecom standards.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1986.

STANDARDS USED: Uses ANSI/UL, CSA, IEC, CISPR, FCC standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic factory inspection and evaluations of a manufacturer's Q.A. system.
2. Requires initial and periodic product testing.
3. Issues certificates of approval.
4. Authorizes the use of its mark.
5. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Accredited by the NIST/NVLAP program and the Canadian Dept. of Communications. Recognized by OSHA as a "Nationally Recognized Testing Laboratory" (NRTL).

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on actual costs.

PRODUCTS CERTIFIED: electronic data processing equipment, telecommunications equipment, electromedical devices, power supplies.

NO. OF FACTORIES/ FIRMS CERTIFIED: 400.

PRODUCT DIRECTORIES: DSG Listed Products Directory.

ORGANIZATION NAME: DECORATIVE LAMINATE PRODUCTS ASSOCIATION

ACRONYM: DLPA

NATURE OF ORGANIZATION: Trade association and independent testing laboratory founded in 1953 with a membership of 140.

ADDRESS: 600 South Federal St., Suite 400, Chicago, IL 60605

PHONE NUMBER: 312-922-6222

FAX NUMBER: 312-922-2734

LOCATIONS OF TESTING FACILITIES: Dayton, OH.

PURPOSE: To help promote the use of high pressure decorative laminates.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1975.

STANDARDS USED: Uses ANSI A.161.2-1979 R1987 which is available from ANSI.

CERTIFICATION ACTIVITIES:

1. Requires annual product testing and factory inspection by DLPA.
2. Publishes approved product/manufacturers directories.
3. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Costs are individually determined.

PRODUCTS CERTIFIED: High pressure decorative laminate countertops.

NO. OF FACTORIES/
FIRMS CERTIFIED: 16.

PRODUCT DIRECTORIES: "Top Quality Countertop Manufacturer," which is a list of certified members available free from DLPA.

PROGRAM DOCUMENTATION AVAILABLE: Also publishes a membership directory, "DLPA Membership Directory," which is available from DLPA for a fee.

ORGANIZATION NAME: DETROIT TESTING LABORATORY, INC.

ACRONYM: DTL

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1903 with a staff of 125.

ADDRESS: 8720 Northend Ave., Oak Park, MI 48237

PHONE NUMBER: 313-398-2100

FAX NUMBER: 589-0665

TELEX: 510-601-5345

LOCATIONS OF TESTING FACILITIES: Michigan.

PURPOSE: To provide testing/inspection services, listing and labeling, and certification program services for various industries covering multiple disciplines.

PROGRAM 1

CERTIFICATION FUNCTION(S): Certifier for JPMA.

CERTIFICATION PROGRAM(S) BEGUN: 1981.

STANDARDS USED: High Chairs - ASTM F404; Play Yards - ASTM F406; Carriages and Strollers - ASTM F833; Walkers - ASTM F977; Gates, Enclosures - ASTM F1044.

CERTIFICATION ACTIVITIES:

1. Requires initial/periodic product testing.
2. Requires initial and periodic factory inspection and evaluation of the testing portion of a manufacturer's Q.A. system.
3. The JPMA authorizes the use of its mark.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED BY: Consumer Product Safety Commission.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule or actual costs.

PRODUCTS CERTIFIED: High chairs, play yards, carriages and strollers, walkers, gates/enclosures.

NO. OF FACTORIES/FIRMS CERTIFIED: Over 30.

PROGRAM DOCUMENTATION AVAILABLE: Procedural Manuals are available for each of the five JPMA Certification Programs.

PROGRAM 2

CERTIFICATION
FUNCTION(S): Program administrator and certifier.

CERTIFICATION
PROGRAM(S) BEGUN: 1978.

STANDARDS USED: UL 234 and FMVSS 302.

CERTIFICATION
ACTIVITIES: 1. Requires initial/periodic product testing.
2. Requires initial and periodic factory inspections.
3. Authorizes the use of its mark.
4. Has a formal appeals procedure.

PROGRAMS
RECOGNIZED BY: RVIA and several state governments.

AVAILABILITY
OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule or actual costs.

PRODUCTS
CERTIFIED: Range hoods for RV vehicles (lighting only) and tentage for RV.

NO. OF FACTORIES/
FIRMS CERTIFIED: One.

PRODUCT
DIRECTORIES: "DTL Listing/Labeling Programs."

PROGRAM
DOCUMENTATION
AVAILABLE: A sample procedural manual is available.

PROGRAM 3

CERTIFICATION
FUNCTION(S): Program administrator and certifier.

CERTIFICATION
PROGRAM(S) BEGUN: 1978.

STANDARDS USED: UL 87 available from Underwriters Laboratories.

CERTIFICATION
ACTIVITIES: 1. Requires initial and periodic product testing.
2. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q.A. system.
3. Requires manufacturer audit tests.
4. Authorizes the use of its mark.
5. Has a formal appeals procedure.

PROGRAMS
RECOGNIZED BY: Several state governments.

| | |
|--|---|
| AVAILABILITY OF SERVICES: | Open to all. |
| COST OF SERVICES: | Based on fixed fee schedule or actual costs. |
| PRODUCTS CERTIFIED: | Remanufactured gasoline pumps as defined in UL 87. |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | Two. |
| PROGRAM DOCUMENTATION AVAILABLE: | A sample procedural manual is available. |
| | PROGRAM 4 |
| CERTIFICATION FUNCTION(S): | Certifier. |
| CERTIFICATION PROGRAM(S) BEGUN: | Sponsored in 1986 by CAPA. |
| STANDARDS USED: | Certified Automotive Parts Association standards CAPA 101, and 201-204. |
| CERTIFICATION ACTIVITIES: | <ol style="list-style-type: none"> 1. Requires initial/periodic product testing. 2. Requires initial and periodic factory inspection and evaluation of the testing portion of a manufacturer's Q.A. system. 3. Requires audit tests in the United States. 4. Issues certificates of approval and CAPA authorizes the use of its mark. 5. CAPA develops standards to test new products. 6. Has a formal appeals procedure. |
| PROGRAMS RECOGNIZED BY: | Some state insurance companies. |
| AVAILABILITY OF SERVICES: | Open to all. |
| COST OF SERVICES: | Based on fixed fee schedule or actual costs. |
| PRODUCTS CERTIFIED: | Automotive aftermarket replacement crash parts (metal and plastic). |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | 20. |
| PROGRAM DOCUMENTATION AVAILABLE: | CAPA Procedural Manual and CAPA standards 101, 201, and 204 are available. |

ORGANIZATION NAME: DRIED FRUIT ASSOCIATION OF CALIFORNIA

ACRONYM: DFA of California

NATURE OF ORGANIZATION: Trade association founded in 1908 with a membership of 41 and a staff of 15.

ADDRESS: P.O. Box 270A, 303 Brokaw Rd., Santa Clara, CA 95052

PHONE NUMBER: 408-727-9302

LOCATIONS OF TESTING FACILITIES: Fresno, CA.

PURPOSE: To promote better understanding between growers and processors of dried fruits and tree nuts. To encourage sound trade practices which will benefit the producer, the processor, the distributor, and the consumer.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1908.

STANDARDS USED: DFA standards available from DFA.

CERTIFICATION ACTIVITIES:

1. Requires type and periodic product testing by DFA.
2. Requires initial and periodic factory inspections and evaluations of a producer's Q.A. system.
3. Issues certificates of approval and authorizes the use of its mark.
4. Publishes approved product/manufacturer directories.
5. Has a formal appeals procedure.

COMMENTS: DFA certifies each product prior to shipment.

AVAILABILITY OF SERVICES: Open to all dried fruit and tree nut processors in California.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Dried fruits, tree nuts.

PRODUCT DIRECTORIES: A DFA brochure listing producers is available free from DFA.

PROGRAM DOCUMENTATION AVAILABLE: For information of DFA's special projects contact DFA.

ORGANIZATION NAME: ECOLAB, INC. PACKAGE TESTING SERVICES

ACRONYM: PTS

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1981 with a staff of 10.

ADDRESS: 940 Lone Oak Road, Eagan, MN 55121

PHONE NUMBER: 612-688-1672

FAX NUMBER: 612-688-1638

LOCATIONS OF TESTING FACILITIES: Eagan, MN.

PURPOSE: To provide package testing and evaluation including development of comprehensive test programs to predict product/package performance. Certifies packages to industry, government and international standards.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1983.

STANDARDS USED: Uses ASTM, NSTA, TAPPI, NMFC UFC, DOT standards contained in CFR Title 49, IMO, IMDG Code and ICAO technical instructions.

CERTIFICATION ACTIVITIES: 1. Requires initial and follow-up product testing.
2. Authorizes the use of its mark.
3. Issues certificates of approval.

PROGRAMS RECOGNIZED/ ACCREDITED BY: NSTA Approved Laboratory and a Department of Transportation recognized Packaging Certification Agency for international (United Nations) standards.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule.

PRODUCTS CERTIFIED: Packaging.

NO. OF FACTORIES/ FIRMS CERTIFIED: One.

PROGRAM DOCUMENTATION AVAILABLE: A brochure entitled "ECOLAB Package Testing Services" is available.

ORGANIZATION NAME: ELECTRONIC COMPONENTS CERTIFICATION BOARD

ACRONYM: ECCB

NATURE OF ORGANIZATION: U.S. National Authorized Institution for the IECQ System which is administratively supported by the Electronic Industries Association. ECCB has a staff of 2 and a membership of 18, and manages a U.S. National Electronic Component Quality Assessment System called the NECQ System.

ADDRESS: 2001 Eye Street, NW, Washington, DC 20006

PHONE NUMBER: 202-457-4962

FAX NUMBER: 202-457-4985

TELEX: 710-822-0148 (EIA-WSH)

LOCATIONS OF TESTING FACILITIES: Underwriters Laboratories in Melville, NY.

PURPOSE: Encourage and conduct a program of testing and certification of electronic products and components to aid in the acceptance of those products by the public and specifically by consumers of such products.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1985.

STANDARDS USED: Uses IEC standards and specifications available from ANSI for IECQ certification purposes. Uses EIA and other national standards for NECQ certification purposes.

CERTIFICATION ACTIVITIES:

1. Requires factory inspection to approve the manufacturer's facilities.
2. Requires initial product qualification testing.
3. Approves independent laboratories or manufacturers' testing facilities.
4. Requires periodic inspection, Q.A. system review, and audit testing.
5. Requires traceability of testing laboratories' calibration services to NIST.
6. Requires that distributors also be approved.
7. Issues certificates of approval.
8. IECQ issues an approved products directory.
9. NECQ issues an approved product list and a qualified manufacturers list (QML).
10. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY:

IECQ is recognized by the IEC.

NECQ is recognized by ANSI.

| | |
|--|--|
| COMMENTS: | UL serves as the National Supervising Inspectorate, while EIA serves as the National Standards Organization for the IECQ. |
| AVAILABILITY OF SERVICES: | Open to all. |
| COST OF SERVICES: | Fixed fee schedule with some costs being individually determined. |
| PRODUCTS CERTIFIED: | Capacitors, resistors, switches, connectors, semiconductors, other electronic components. |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | 34. |
| PRODUCT DIRECTORIES: | IECQ Publication QC 001005, "Qualified Products List" is available for a fee. |
| PROGRAM DOCUMENTATION AVAILABLE: | "The IECQ System," "Summary of Format and Content of IECQ-System Specification," "Join the Quality Assessment System for Electronic Components (IECQ)," "Guide for the Preparation of Specification Using IECQ System Format," "IECQ Specification Base," "Proceeding of IECQ System Educational Seminars on Quality Certification for Electronic Components (IECQ)" are available free or for a fee for larger documents. |

ORGANIZATION NAME: EMACO, INC.

ACRONYM: EMACO

NATURE OF ORGANIZATION: Testing, consulting and certification organization for electronic/electrical products for FCC, VDE, and MIL radio frequency interference and electromagnetic compatibility requirements.

ADDRESS: 7562 Trade Street, San Diego, CA 92121

PHONE NUMBER: (619) 578-1480 Principal: Herbert K. Mertel, P.E.
FAX NUMBER: (619) 578-1467

LOCATIONS OF TESTING FACILITIES: San Diego, CA.

PURPOSE: To test and certify equipment; to provide engineering services; and to conduct seminars.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1976.

STANDARDS USED: FCC Part 15, 18; VDE 0875, 0871; EN 55022; MIL-STD-461/462, IEC, NATO standards, etc.

CERTIFICATION ACTIVITIES: 1. Testing requirements tailored to product and customer needs.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Recognized by FCC in the USA; FTZ/ZZF and VDE in Germany; and VCCI in Japan. Accredited by NIST/NVLAP and the FCC.

AVAILABILITY OF SERVICES: Design and testing services available to all.

COST OF SERVICES: Fixed fee schedule. Typically \$60 to \$125 per hour.

PRODUCTS CERTIFIED: All electrical and electronic equipment from small household appliances to large computer systems.

NO. OF FACTORIES/ FIRMS CERTIFIED: 300 per year.

PRODUCT DIRECTORIES: Available upon request.

PROGRAM DOCUMENTATION AVAILABLE: Brochures and translation of West German VDE specification available.

ORGANIZATION NAME: ENERGY TESTING LABORATORY OF MAINE/SOUTHERN MAINE VOCATIONAL
TECHNICAL INSTITUTE

ACRONYM: ETLM/SMVTI

NATURE OF ORGANIZATION: Nonprofit independent testing laboratory founded in 1975 with
a staff of six.

ADDRESS: Fort Road, South Portland, ME 04106

PHONE NUMBER: 207-799-7303

TELEX: 887274

LOCATIONS OF TESTING FACILITIES: South Portland, ME.

PURPOSE: A safety testing, listing, and follow-up factory inspection
agency for manufacturers of heating appliances and related
equipment, which allows these manufacturers to sell listed
appliances within the United States.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1977.

STANDARDS USED: Develops its own standards and also uses UL, ANSI, AGA, and
CSA standards, including: UL Standards 127, 296, 391, 726,
727, 731, 737, 896, 907, and 1482; ANSI/AGA standards Z21.11,
Z21.13, Z21.17, Z21.47, and Z21.64 and CSA Standards B140 and
B366.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic product testing.
2. Requires initial and periodic factory inspections and
evaluations of the manufacturer's Q.A. system.
3. Authorizes the use of its mark.
4. Develops standards to test new products.

PROGRAMS RECOGNIZED/
ACCREDITED BY: Recognized by BOCA, ICBO and SBCCI and by the state
and local authorities which have adopted these codes. Also
recognized by Alberta, Canada as an approved testing
laboratory for oil burning equipment tested to required CSA
standards. An "Accreditation List" is available from ETLM.

COMMENTS: This organization has official ties with the government
of the State of Maine.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Available by quotation.

PRODUCTS
CERTIFIED: Wood, coal, oil, gas, electric and waste oil fired heating equipment, including: multi-fuel furnaces and boilers; solid fuel furnaces and boilers; solid fuel multi-application appliances; radiant room heaters; circulating room heaters; and fireplace inserts; multi-oil (waste oil) fired appliances; oil fired central furnace; oil burning stoves; gas and/oil fired boilers; blower assemblies; heat reclaimers; protective products; etc.

NO. OF FACTORIES/
FIRMS CERTIFIED: 40 listed manufacturers.

PRODUCT
DIRECTORIES: "ETLM/SMVTI Product Listing Directory" available for a fee from ETLM/SMVTI.

PROGRAM
DOCUMENTATION
AVAILABLE: ETLM Standards 78-1 "Testing for Safety-Requirements and Test Procedures for Solid Fuel Burning Central Heating Appliances and Combination Oil and Solid Fuel Burning Central Heating Appliances" and ETLM Standards 83-1 "Standards for Safety-Testing of Multi-Oil (Waste Oil Vaporation) Fire Appliances" are available from ETLM for a fee.

ORGANIZATION NAME: ETL TESTING LABORATORIES, INC.

ACRONYM: ETL

NATURE OF ORGANIZATION: An employee-owned, independent testing laboratory founded in 1896.

ADDRESS: Industrial Park, Route 11, Cortland, NY 13045

PHONE NUMBER: 607-753-6711

FAX NUMBER: 607-756-9891

TELEX: 510-252-0792

LOCATIONS OF TESTING FACILITIES: Cortland, NY; Norcross, GA; and San Francisco, CA.

PURPOSE: To provide an independent source of testing to determine the quality, safety and performance of products and to verify conformance to specifications and provide third-party endorsements.

CERTIFICATION FUNCTION(S): Serves as program administrator and certifier for some products and as a certifier only for others.

STANDARDS USED: Uses ARI, AHAM, ASTM, BHMA, GAMA, ANSI, UL, IEC, HUD, DOE, DOT, CPSC, FM, IAPMO, NFPA, and other standards and federal specifications depending upon product.

CERTIFICATION ACTIVITIES:

1. Requires initial testing and in-plant inspection.
2. Requires follow-up inspection and random testing.
3. Offers prototype evaluation.
4. Offers on-site testing where laboratory testing is not feasible, but this cannot lead to labeling/listing.
5. Serves as the testing and inspection facility for IGCC's, AHAM's, BHMA's, HECC's, ARI's, GAMA's, CAWM's, CBM's and HUD's certification programs.
6. Has a formal appeals mechanism.
7. Authorizes the use of the ETL listing mark and issues the "Directory of ETL Listed Products."

PROGRAMS RECOGNIZED/ACCREDITED BY: Is recognized by OSHA as a "Nationally Recognized Testing Laboratory" (NRTL), the Council of American Building Officials (CABO), the International Association of Plumbing and Mechanical Officials (IAPMO) and all states and local jurisdictions with a formal recognition process.

COMMENTS: Participates in no fewer than 34 certification programs.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Depends on the nature and number of tests/inspections required.

PRODUCTS
CERTIFIED:

Refrigeration and air-conditioning condensing and compressor units; central cooling air-conditioners; laboratory equipment; electric industrial control equipment; portable electric lamps; medical and dental equipment; room air-conditioners; incandescent lighting fixtures; heat pumps; oil-fired central furnaces; commercial-industrial gas-heating equipment; electric signs and control centers for changing message type electric signs; electric-motor-operated appliances; electric heating pads; electric fans; apparatus for use in hazardous locations; electric office appliances and business equipment; fluorescent-lamp ballasts and electric lighting fixtures; x-ray equipment; electric central air-heating equipment; electric temperature-indicating and -regulating equipment; direct gas-fired makeup air heaters; fan-coil units and room fan-heater units; industrial control equipment for use in hazardous (classified) locations; portable sun/heat lamps; household electric ranges; hospital signaling and nurse-call equipment; household burglar-alarm system units; medical electrical equipment; door operators and systems; information-processing and business equipment; electric vacuum cleaning machines and blower cleaners; energy management equipment; humidifiers; commercial gas baking and roasting ovens; commercial electric cooking appliances; musical instruments and accessories; gas-fired central furnaces; gas unit heaters; oil-fired unit heaters; electrical and electronic measuring and testing equipment; power supplies; electrical attachment plugs and receptacles; gas broilers; household drip-type coffee makers; motor operated household food preparing machines; commercial refrigerators and freezers; electric household cooking and food serving appliances; electrostatic air cleaners; floor finishing machines; refrigerated vending machines; stationary and fixed electric tools; general use snap switches and electric industrial control equipment; fluorescent lighting fixtures; domestic gas conversion burners; electric hot tubs, spas, and associated equipment; office furnishings; electrical equipment for use in hazardous locations; personal hygiene and health care appliances; telephone equipment; electric baseboard heating equipment; commercial electric dishwashers; industrial battery chargers; electric air heaters; motor operated commercial food preparing machines; household refrigerators and freezers; surface metal raceways and fittings; special purpose wiring systems; garment finishing appliances; electric home-laundry equipment; electric personal grooming appliances; electrical cabinets and boxes; electric photographic equipment; high intensity discharge lighting fixtures; draft equipment; gas fired infrared heaters; motor operated water pumps; gas water heaters; water treatment appliances; refrigeration unit coolers; gas-fired absorption summer air-conditioning appliances; electric elevator components; data processing equipment; motor operated massage and exercise machines; household cooking gas appliances; refrigerating units; gas-fired low-pressure steam and hot water boilers; electric

heating appliances; coin and currency changers and actuators; electric swimming pool pumps, filters and chlorinators; anti-theft alarms and devices; direct gas fired industrial air heaters; direct vent central furnaces; graphic arts equipment; control equipment for use with flammable liquid dispensing devices; commercial audio equipment; ice cream makers; gas food service equipment; electrical power outlets; dead-front electrical switchboards; sewing and cutting machines; fittings and outlet boxes; transient voltage surge suppressors; factory made air ducts and connectors; electric heaters for use in hazardous (classified) locations; power converters and power-converter systems for recreational vehicles; electric power generating equipment; radio receivers, audio systems, and accessories; electric heating, water supply and power boilers; household electric dishwashers; electric motors and generators for use in hazardous (classified) locations; electric coin operated clothes-washing equipment; electric vending machines; electric wired cabinets; commercial electric personal grooming appliances; vented decorative gas appliances; baling equipment; electrocution type, insect-control equipment; gas fired duct furnaces; emergency lighting and power equipment; dry-type general purpose and power transformers; metal enclosed bus operating above 600 volts; audible signal appliances; type EB and a rigid PVC conduit and HDPE conduit; decorative lighting outfits; television receivers and high voltage video products; information technology equipment. Also: fire and flammability certification of air filters; wire and cable; air ducts; building materials. Performance certification of hockey helmets, door latches and hinges, brake hoses, insulating glass, safety glass, calibration of instruments, IAN cable.

NO. OF FACTORIES/
FIRMS CERTIFIED:

700 companies.

PRODUCT
DIRECTORIES:

"Directory of ETL Listed Products," "Consumers' Directory of Certified Efficiency Ratings for Residential Heating and Water Heating Equipment," "Carpet Directory," "Insulating Glass Certified Products Directory," "Safety Glazing Certified Products Directory," and "Local Area Network Cable Directory."

PROGRAM
DOCUMENTATION
AVAILABLE:

Program documentation in the following areas is available by contacting the Marketing Department at the above address:

| | | |
|--------------------|--------------|-------------------|
| - Acoustical | - Glazing | - Heating |
| - Air-Conditioning | - Carpet | - Design Services |
| - Electrical | - Mechanical | - Photometric |
| - Quality Control | - Safety | |

ORGANIZATION NAME: FACTORY MUTUAL RESEARCH CORPORATION

ACRONYM: FMRC (Sometimes referred to as FM)

NATURE OF ORGANIZATION: Nonprofit testing and research organization incorporated in 1941.

ADDRESS: 1151 Boston/Providence Turnpike, Norwood, MA 02062

PHONE NUMBER: 617-762-4300

FAX NUMBER: 617-762-9375

TELEX: 92-4415

LOCATIONS OF TESTING FACILITIES: Norwood, MA and West Glocester, RI.

PURPOSE: To minimize industrial property damage through research, standards development and product Approval activities.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1907.

STANDARDS USED: Uses FMRC Approval Standards plus ANSI, ASME, ASTM, IEEE and other standards.

CERTIFICATION ACTIVITIES:

1. Requires product testing at FMRC facilities or witnessed by an FMRC on-site employee.
2. Requires inspection of production and quality control facilities.
3. Requires periodic unannounced reinspection.
4. Authorizes the use of its mark and issues approved product lists.

PROGRAMS RECOGNIZED/ ACCREDITED BY: U.S. test lab for the Standards Association of Australia on hazardous location electrical equipment. Is recognized by OSHA as a "Nationally Recognized Testing Laboratory" (NRTL). Also recognized by various jurisdictions: federal, state, local and international.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on actual costs incurred in inspection/testing.

| | |
|--|---|
| PRODUCTS CERTIFIED: | Automatic sprinkler systems, hydrants and hoses, fire pumps and tanks, portable extinguishers, fixed extinguishing systems, flammable liquid equipment, flammable gas equipment, fuel and combustion controls, combustion safeguards, gas measuring instruments, oil safety shutoff valves, gas safety shutoff valves, industrial trucks, electrical equipment, hazardous location electrical equipment, electrical signaling, household protection, building materials and construction. |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | Over 1800. |
| PRODUCT DIRECTORIES: | "Approval Guide" and "Specification Testing Products Guide" are available for a fee from FMRC. |
| PROGRAM DOCUMENTATION AVAILABLE: | "Factory Mutual Approval Services" and "Approval Standards" are available free from FMRC. |

ORGANIZATION NAME: FITZSIMMONS & ASSOCIATES INC.

ACRONYM: RVF & ASSOC.

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1974 with a staff of four.

ADDRESS: 1860 Arthur Dr., West Chicago, IL 60185

PHONE NUMBER: 312-231-0680

FAX NUMBER: 312-231-0811

LOCATIONS OF TESTING FACILITIES: West Chicago, IL.

PURPOSE: To provide services designed to solve quality control problems; to provide information for new product development; and to certify products.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1982.

CERTIFICATION ACTIVITIES: 1. Conducts initial and follow-up product testing.
2. Issues certificates of approval.

PROGRAMS RECOGNIZED/ ACCREDITED BY: ASTM, EPA, Bureau Veritas, GMC-Chevrolet-Pontiac-Canada Group, GMC-Buick-Oldsmobile-Cadillac Group.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule.

PRODUCTS CERTIFIED: Chemical formulations, polymers and plastic products for use in automotive parts and other manufactured products.

NO. OF FACTORIES/ FIRMS CERTIFIED: One.

PROGRAM DOCUMENTATION AVAILABLE: Testing of Chemical Formulations and Plastic Parts for Verification and Certification.

ORGANIZATION NAME: GAS APPLIANCE MANUFACTURERS ASSOCIATION, INC.

ACRONYM: GAMA

NATURE OF ORGANIZATION: Trade association founded in 1935 with a membership of over 215 and a staff of 17.

ADDRESS: 1901 North Moore Street, P.O. Box 9245, Arlington, VA 22209

PHONE NUMBER: 703-525-9565

FAX NUMBER: 703-525-8159

LOCATIONS OF TESTING FACILITIES: ETL Testing Laboratories in Cortland, NY.

PURPOSE: To represent its members before legislative bodies, freight-rate making bodies and consumer groups.

CERTIFICATION FUNCTION(S): GAMA sponsors an efficiency certification program. ETL Testing Laboratories, Inc., administers the program and conducts the testing.

CERTIFICATION PROGRAM(S) BEGUN: 1982.

STANDARDS USED: Uses a heat pump type water heater test procedure which is available from GAMA. Also uses DOE standards available from DOE.

CERTIFICATION ACTIVITIES:

1. Requires periodic random selection and testing by ETL.
2. Requires self-certification by the manufacturer that he has tested and rated product to the applicable efficiency standards.
3. Requires retesting if another participant in the program has evidence that the model was not correctly rated.
4. Authorizes use of the GAMA symbol and publishes product efficiency listings.

AVAILABILITY OF SERVICES: Open to all manufacturers of residential gas and oil central furnaces and boilers and gas, oil, and electric including heat pump type heaters, and vented gas-fired room heaters, floor furnaces and wall furnaces.

COST OF SERVICES: Fees based on production.

PRODUCTS CERTIFIED: Gas central furnaces; oil central furnaces; gas and oil boilers; gas, electric, and oil water heaters; heat pump type water heaters; vented gas-fired room heaters; floor furnaces and wall furnaces.

NO. OF FACTORIES/
FIRMS CERTIFIED: 42 furnace manufacturers and brand names;
24 boiler manufacturers and brand names;
38 water heater manufacturers and brand names; and
12 direct heating equipment manufacturers and brand names.

PRODUCT
DIRECTORIES:

"Consumers' Directory of Certified Efficiency Ratings for Residential Heating and Water Heating Equipment" is available free to participants and for a fee to the public from GAMA.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Procedural Guide for GAMA Furnace, Boiler, Water Heater and Direct Heating Equipment Efficiency Certification Program" available free from GAMA. See also DOE applicable Federal Register notices.

ORGANIZATION NAME: GOOD HOUSEKEEPING MAGAZINE

NATURE OF ORGANIZATION: Publisher of magazines and other consumer communications.

ADDRESS: 959 Eighth Ave., New York, NY 10019

CERTIFICATION FUNCTION(S): In 1885, publisher began programs to provide its readers with information designed (among other things) to create what is now referred to as an informed consumer. The outgrowth of these programs is the present day subsection of products and advertising offered to the magazine to standards of good taste and strict editorial judgement as described on page 6 of each issue.

CERTIFICATION PROGRAM(S) BEGUN: 1885.

STANDARDS USED: See Certification Function(s).

CERTIFICATION ACTIVITIES: A one-year limited warranty of refund or replacement is offered by the magazine on products it accepts for advertising. If such a product is found to be defective within one year of purchase and verified by the magazine, a refund or replacement is offered.

COMMENTS: Only consumer magazine in the world offering consumers the assurance of refund or replacement on products it accepts for advertising and which are defective. Products bear the Good Housekeeping Seal of Approval.

AVAILABILITY OF SERVICES: Open to producers of consumer products wishing to advertise their product in the magazine.

PRODUCTS CERTIFIED: Consumer products - excluding insurance, realty, automotive and camping vehicles, public transportation, travel facilities, catalogues and merchandise portfolios, "Shopping by Mail" items, premiums, advertisements for schools, hotels, summer camps and similar institutions, and institutional advertisements.

PROGRAM DOCUMENTATION AVAILABLE: A description of the limited warranty program is published in in each issue of Good Housekeeping Magazine on page 6.

ORGANIZATION NAME: ARNOLD GREENE TESTING LABORATORIES
A Unit of Conam Inspection, Inc.

ACRONYM: AGTL

NATURE OF ORGANIZATION: An independent testing laboratory founded in 1947 with a staff of 80.

ADDRESS: 6 Huron Drive, Natick, MA 01760

PHONE NUMBER: 617-653-5950

FAX NUMBER: 508-651-2974

LOCATIONS OF TESTING FACILITIES: 6 Huron Dr., Natick, MA; 2 Millbury St., Auburn, MA; 784 Bay St., Springfield, MA.

PURPOSE: To test materials and products for safety.

CERTIFICATION FUNCTION(S): Administrator and certifier.

CERTIFICATION ACTIVITIES:

1. Requires type and follow-up testing.
2. Requires initial and periodic follow-up factory inspections including evaluations of the manufacturer's Q.A. system.
3. Authorizes the use of its mark and issues certificates of approval.
4. Publishes approved product/manufacture directories.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS CERTIFIED: Furnaces, boilers, wood stoves, coal stoves, fireplace inserts, factory built fireplaces, chimney liners, prefabricated chimneys, kerosene heaters, gas heaters, multi-fuel furnaces and boilers, heat exchangers, wall and floor protectors, mattresses.

NO. OF FACTORIES/
FIRMS CERTIFIED: 115.

PRODUCT DIRECTORIES: "Directory of Furnaces and Boilers" and "Directory of Solid Fuel Burning Appliances" are available free from AGTL.

ORGANIZATION NAME: HARDWOOD PLYWOOD MANUFACTURERS ASSOCIATION

ACRONYM: HPMa

NATURE OF ORGANIZATION: Trade association founded in 1921 with a membership of over 160, an office and lab staff of 12, and 12 field staff throughout the United States.

ADDRESS: P.O. Box 2789, Reston, VA 22090-2789

PHONE NUMBER: 703-435-2900

FAX NUMBER: 703-435-2537

LOCATIONS OF TESTING FACILITIES: Reston, VA.

PURPOSE: To provide public relations, advertising, marketing, and technical services to its members; to represent industry in legislative matters and to keep the industry informed on tariff and trade matters.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses HPMa standards available from HPMa. Also ANSI, ASTM, DOT, NIST, NWMA, FAR and NFPA standards.

CERTIFICATION ACTIVITIES:

1. Requires initial product testing and plant inspection for gluebond, flamespread, structural and formaldehyde emissions.
2. Requires periodic inspection and testing by HPMa personnel.
3. Authorizes the use of its mark and publishes approved product directories/member listings.

COMMENTS:

1. Does some smoke and fire testing under contract.
2. Has a "Formaldehyde Emission Property Inspection and Disclosure Program."
3. Has a formal appeals procedures.

AVAILABILITY OF SERVICES: Open to all HPMa members and non-member hardwood plywood manufacturers and prefinishers of hardwood plywood and other panel products.

COST OF SERVICES: Based on actual costs incurred by HPMa.

PRODUCTS CERTIFIED: Cut-to-size hardwood plywood panels, laminated hardwood plywood flooring, prefinished hardwood plywood panels, stock hardwood plywood panels, hardwood plywood specialty items.

NO. OF FACTORIES/ FIRMS CERTIFIED: 37 mills.

PRODUCT
DIRECTORIES:

"Where to Buy Hardwood Plywood & Veneer" available free from HPMA.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Hardwood Plywood Manufacturers Association Testing and Inspection and Listed Product Manual - 1989" available from HPMA for a fee. "HPMA Your Partner in Progress" available free from HPMA.

ORGANIZATION NAME: THE HARTFORD STEAM BOILER INSPECTION & INSURANCE COMPANY

ACRONYM: HSB

NATURE OF ORGANIZATION: Authorized inspection agency founded in 1866 with a staff of 1957.

ADDRESS: One State Street, Hartford, CT 06102

PHONE NUMBER: 1-800-243-0090, or in CT call 203-722-1866

FAX NUMBER: 203-722-5106

TELEX: 6813125

PURPOSE: To inspect boilers, piping, fired and unfired pressure vessels to ensure compliance with ASME Code, National Board Inspection Code, and the American Petroleum Institute Code during fabrication, construction and installation and during repair, alteration or modification.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: Early 1900's.

STANDARDS USED: Uses the ASME, NBIC, AWS, API, ANS, foreign, government and manufacturer standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q.A. system.
2. Signs documents stating compliance with codes and reviews design drawings and calculations.

COMMENTS:

1. Is the largest provider of Authorized Inspection Agency services required by ASME Boiler & Pressure Vessel Code.
2. Has over 700 inspectors in U.S.A., Europe, South America and the Far East.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS CERTIFIED: Boilers, pressure vessels, piping, tank trucks, railroad cars.

NO. OF FACTORIES/FIRMS CERTIFIED: Over 800.

PROGRAM DOCUMENTATION AVAILABLE: "Quality Assurance/Expediting Service," "Quality Assurance: Expediting Service: Technical Services," and "Quality Assurance/Expediting Service: A Better Track to Run On" are available free from the company.

ORGANIZATION NAME: HOME VENTILATING INSTITUTE, DIVISION OF AIR MOVEMENT AND CONTROL ASSOCIATION

ACRONYM: HVI

NATURE OF ORGANIZATION: Trade organization founded in 1955 with a membership of 24 and a staff of two.

ADDRESS: 30 West University Drive, Arlington Heights, IL 60004

PHONE NUMBER: 312-394-0150

FAX NUMBER: 312-253-0088

TELEX: 27-0650

PURPOSE: To provide voluntary self-regulation for the residential ventilation industry. Also to provide product certified rating information to builders, contractors, designers, and consumers.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1960.

STANDARDS USED: Uses HVI standards. Also uses AMCA, ANSI and ASHRAE standards.

CERTIFICATION ACTIVITIES:

1. Approves testing laboratories.
2. Requires initial and periodic product testing.
3. Requires product listing by UL or other nationally recognized safety testing laboratory.
3. Offers a retesting procedure to resolve complaints made against a product by other member companies.
4. Authorizes the use of the HVI trademark.
5. Develops standards to test new products.

PROGRAMS RECOGNIZED/ ACCREDITED BY: BOCA and ICBO. Also by HUD and the DOE Bonneville Power Administration.

COMMENTS: Does not have a formal appeals mechanism.

AVAILABILITY OF SERVICES: Open to all members.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Bath fans, ceiling/wall exhaust fans, exterior mount room ventilators, range hoods, power-packs for range hoods, powered attic ventilators, whole house ventilating fans, static ventilating devices, heat recovery ventilators (air-to-air heat exchangers).

NO. OF FACTORIES/
FIRMS CERTIFIED:

21 companies.

PRODUCT
DIRECTORIES:

"Certified Home Ventilating Products Directory" available
(single copy only) free from HVI.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Product Certification Procedure," "Verification Procedure,"
"Air Flow Test Standard," and the "Home Ventilating Guide,"
are available for a fee from HVI.

ORGANIZATION NAME: THE HYDRONICS INSTITUTE (formerly the Institute of Boiler and Radiator Manufacturers)

ACRONYM: HI or I=B=R

NATURE OF ORGANIZATION: Trade association founded in 1915 with a membership of 59 companies and a staff of 14.

ADDRESS: 35 Russo Place, P.O. Box 218, Berkeley Heights, NJ 07922

PHONE NUMBER: 201-464-8200

LOCATIONS OF TESTING FACILITIES: Berkeley Heights, NJ.

PURPOSE: To serve as a trade association for the boiler and radiator manufacturers.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1940 - Manufacturer testing only - Boilers.
1952 Radiators.
1977 Institute testing - Boilers.

STANDARDS USED: Uses HI standards available from HI. Also uses DOE standards.

CERTIFICATION ACTIVITIES:

1. Requires initial type testing by HI or under HI supervision.
2. Requires follow-up testing.
3. Authorizes the use of its mark and issues certificates of approval.
4. Publishes approved product directories.

COMMENTS:

1. Does not have a formal appeals procedure.
2. Boiler testing is done at the manufacturer's laboratory using Institute instrumentation and Institute personnel. Radiation testing is done at the I=B=R Laboratory in the HI building.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on a fixed fee schedule.

PRODUCTS CERTIFIED: Steam boilers, hot water boilers, baseboard radiators, finned tube radiators.

NO. OF FACTORIES/FIRMS CERTIFIED: 45.

PRODUCT
DIRECTORIES:

"Boiler Rating and Efficiencies, Jan. 1, 1989" and "I=B=R Ratings for Baseboard Radiation and Finned Tube (Commercial) Radiation-Aug. 1, 1988" are available from HI for a fee.

PROGRAM
DOCUMENTATION
AVAILABLE:

1. "Testing and Rating Standard for Heating Boilers" 5th Edition, March 1986.
2. "Testing and Rating Code for Baseboard Radiation" 6th Edition, Feb. 1984.
3. "I=B=R Testing and Rating Code for Finned Tube (Commercial) Radiation" 4th Edition, July 1966.

ORGANIZATION NAME: INDUSTRIAL TESTING LABORATORIES, INC.

ACRONYM: ITL

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1923 with a present staff of 38.

ADDRESS: 2350 South 7th Street, St. Louis, MO 63104

PHONE NUMBER: 314-771-7111

FAX NUMBER: 314-771-9573

LOCATIONS OF TESTING FACILITIES: St. Louis, MO.

PURPOSE: To test analyze, measure, and evaluate materials and products, and to provide consultation.

CERTIFICATION FUNCTION(S): Program administrator and certifier. Certifier under HUD, IAPMO, and NKCA programs.

CERTIFICATION PROGRAM(S) BEGUN: 1970.

STANDARDS USED: Uses ASTM and ANSI standards which are available from ASTM and ANSI. Also uses applicable federal standards.

CERTIFICATION ACTIVITIES:

1. Conducts type and periodic follow-up product testing, initial and periodic factory inspections and evaluations of the producer's Q.A. system.
2. Authorizes the use of its own mark, and issues certificates of approval from HUD, IAPMO, and NKCA.
3. Has a formal appeals procedure.
4. Develops standards to allow testing of new products.

PROGRAMS RECOGNIZED/ ACCREDITED BY: HUD, IAPMO and the National Kitchen Cabinet Association (NKCA).

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Lavatories, bathtubs, shower receptors and surrounds, wall and base kitchen cabinets, structural adhesives.

NO. OF FACTORIES/ FIRMS CERTIFIED: 35.

PROGRAM DOCUMENTATION AVAILABLE: A faculty resume brochure is available, though there is no specific literature on the certification program.

ORGANIZATION NAME: INSULATED STEEL DOOR SYSTEMS INSTITUTE

ACRONYM: ISDSI

NATURE OF ORGANIZATION: Trade association founded in 1975 with a membership of seven and a staff of two to three.

ADDRESS: 30200 Detroit Rd., Cleveland, OH 44145

PHONE NUMBER: 216-899-0010

FAX NUMBER: 216-892-1404

TELEX: 98-5559

PURPOSE: To promote the products of the industry.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses ISDSI and ANSI standards.

CERTIFICATION ACTIVITIES: 1. Requires self-certification by the manufacturers of compliance to applicable standards.
2. Authorizes the use of its mark.

AVAILABILITY OF SERVICES: Available to U.S. companies.

COST OF SERVICES: Free to members.

PRODUCTS CERTIFIED: Insulated steel door systems.

PROGRAM DOCUMENTATION AVAILABLE: Contact ISDSI at the above address.

ORGANIZATION NAME: INSULATING GLASS CERTIFICATION COUNCIL

ACRONYM: IGCC

NATURE OF ORGANIZATION: Nonprofit industry certification organization founded in 1980.

ADDRESS: Administrator, IGCC, c/o ETL Testing Laboratories, Inc., Industrial Park, Route 11, Cortland, NY 13045-0950

PHONE NUMBER: 607-753-6711

FAX NUMBER: 607-756-9891

TELEX: 510-252-0792

LOCATIONS OF TESTING FACILITIES: Architectural Testing, Inc. in York, PA; ETL Testing Laboratories in South San Francisco, CA & York, PA; Jim Spetz Testing Laboratory in Wickliff, OH; and Northwest Laboratories of Seattle, Inc., Seattle, WA.

PURPOSE: By periodic accelerated laboratory testing and unannounced plant inspections to insure continuing product performance through specified standards.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1977.

STANDARDS USED: Uses ASTM specifications E774-84A.

CERTIFICATION ACTIVITIES:

1. Accredits labs to conduct insulating glass testing under the supervision of an approved administrator.
2. Requires initial and periodic product testing by an accredited laboratory.
3. Requires product retesting in the event of a substantiated complaint by any source.
4. Authorizes the use of its mark and publishes approved product/manufacturer listings.
5. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Recognized by the Sealed Insulating Glass Manufacturers Association (SIGMA) and the Department of Housing and Urban Development (HUD).

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Sealed insulating glass.

PRODUCT DIRECTORIES: "Certified Products Directory: Sealed Insulating Glass" available for a fee from IGCC.

ORGANIZATION NAME: INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

ACRONYM: IAPMO

NATURE OF ORGANIZATION: A nonprofit association founded in 1926.

ADDRESS: 20001 S. Walnut Dr., Walnut, CA 91789-2825

PHONE NUMBER: 714-595-8449

FAX NUMBER: 714-594-3690

PURPOSE: To publish the Uniform Plumbing Code; Uniform Solar Energy Code; Uniform Swimming Pool, Spa and Hot Tub Code; and related directories and to assist inspectors in achieving uniformity in plumbing and mechanical inspections.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1938.

STANDARDS USED: Uses all nationally recognized standards which are relevant to the product.

CERTIFICATION ACTIVITIES:

1. Approves testing agencies.
2. Requires type testing by an approved agency.
3. Requires initial and periodic factory inspection by IAPMO.
4. Issues certificates of approval.
5. Authorizes the use of its mark and publishes approved product/manufacturer directories.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Solar energy products, swimming pools, spas, hot tubs, mobile home and recreational vehicle plumbing products, clothes washers, dishwashers, ice makers, refrigerators, refrigerator freezers, washer-dryers, waste disposers, water conditioning tanks, water heating devices, water purification systems bathtubs, bidets, drinking fountains, lavatories, medical dental units, service sinks, shampoo basins, shower receptors, shower units, water closets, pipe, fittings, valves, miscellaneous plumbing items, filters, chemical feeders, flowmeters, pumps, aerators.

NO. OF FACTORIES/
FIRMS CERTIFIED: N/A.

PRODUCT "Directory of Plumbing Research Recommendations" and a
DIRECTORIES: "Directory of Trailer Research Recommendations" are available
from IAPMO for a fee.

PROGRAM
DOCUMENTATION Application forms and procedures and a listing of approved
AVAILABLE: testing agencies are available free from IAPMO.

ORGANIZATION NAME: INTERNATIONAL CARGO GEAR BUREAU, INC.

ACRONYM: IOGB or INCARGEAR

NATURE OF ORGANIZATION: Nonprofit corporation founded in 1954 (reincorporated in 1966).

ADDRESS: 17 Battery Place, New York, NY 10004 (headquarters)

PHONE NUMBER: 212-425-2750

LOCATIONS OF TESTING FACILITIES: Has representatives worldwide.

PURPOSE: To provide certification services for materials handling equipment ashore and afloat.

CERTIFICATION FUNCTION(S): Certifies compliance by equipment owners with pertinent government regulations.

CERTIFICATION PROGRAM(S) BEGUN: 1954.

STANDARDS USED: Observes international, national and local standards.

CERTIFICATION ACTIVITIES:

1. Requires inspection by IOGB representatives and the witnessing of testing by IOGB representatives for IOGB certifications.
2. Requires the submission and review by IOGB of detailed design and specification information for IOGB design approvals.
3. Provides periodic recertifications.
4. Issues certificates of compliance.
5. Issues Cargo Gear Registers which note certification status at location of the equipment that has been certified.
6. Recommends that equipment be marked for identification purposes.

PROGRAMS RECOGNIZED/ACCREDITED BY: Services are provided in accordance with U.S. Coast Guard and U.S. Dept. of Labor standards, as well as standards enforced by some state authorities and other governments.

COMMENTS: Does not have a formal appeals system.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Published fee schedule.

PRODUCTS CERTIFIED: Materials handling equipment ashore and afloat (including derricks, cranes, containers, and road vehicles).

NO. OF FACTORIES/
FIRMS CERTIFIED: Thousands.

PRODUCT
DIRECTORIES: None.

PROGRAM
DOCUMENTATION
AVAILABLE: "IOGB-100 List of Representatives," "Summary of Services Available for Cargo Containers and Road Vehicles," "Summary of Services Available for Material Handling Devices Aboard Mobile Offshore Drilling Units (MODUs)," "Summary of Services Available for Shipboard Cargo Gear," "Summary of Domestic Services Available for Shore-based Material Handling Devices," "Reference Manual for Cargo Gear Certification," "Burtoning Calculation Guide for Light Lift Coplaner Derricks (Union Purchase)," and "Schedule of Fees and General Terms and Conditions for IOGB Services" are available from IOGB.

ORGANIZATION NAME: JASON ASSOCIATES, INC.

NATURE OF ORGANIZATION: Professional/technical society founded in 1961 with a membership of 12 and a staff of four.

ADDRESS: P. O. Box 42, Fort Collins, CO 80522

PHONE NUMBER: 303-482-6550

PURPOSE: To provide consulting services to users of wood products and wood preservatives and to provide inspection services to utility companies for their wood poles. Also provides expert witness testimony and investigative services.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses ANSI, AWPB, AWPB, and REA standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic product testing.
2. Requires initial factory inspection and evaluation of a manufacturer's Q.A. system.
3. Issues certificates of approval.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Program is recognized by the Rural Electrification Administration (REA).

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fee plus expenses.

PRODUCTS CERTIFIED: Wood poles and crossarms.

ORGANIZATION NAME: JUVENILE PRODUCTS MANUFACTURERS ASSOCIATION, INC.

ACRONYM: JPMA

NATURE OF ORGANIZATION: Trade association founded in 1962 with over 100 members.

ADDRESS: 66 East Main Street, Moorestown, NJ 08057

PHONE NUMBER: 609-234-9155

FAX NUMBER: 609-234-1022

LOCATIONS OF TESTING FACILITIES: Detroit Testing Laboratory in Oak Park, MI.

PURPOSE: To conduct trade promotion activities, trade research and surveys, and a certification program as well as to provide statistical information on the industry.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses ASTM standards available from ASTM.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic product testing by an independent laboratory approved by JPMA.
2. Authorizes the use of its label and issues approved product/manufacturer listings.
3. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Program has been independently validated in accordance with ANSI Z34.1 Standard for a Certification Program with Third Party Validation.

AVAILABILITY OF SERVICES: Open to all.

PRODUCTS CERTIFIED: High chairs, play yards, carriages, strollers, walkers, expandable gates and enclosures.

PRODUCT DIRECTORIES: "Directory of Certified Products" is available free from JPMA.

PROGRAM DOCUMENTATION AVAILABLE: A procedural guide is available for a fee.

ORGANIZATION NAME: MAPLE FLOORING MANUFACTURERS ASSOCIATION

ACRONYM: MFMA

NATURE OF ORGANIZATION: Trade organization founded in 1897 with a membership of 110 companies.

ADDRESS: 60 Revere Dr., Suite 500, Northbrook, IL 60062

PHONE NUMBER: 312-480-9138

FAX NUMBER: 312-480-9282

PURPOSE: To serve as an authoritative source of technical information about hard maple flooring and to establish grades, standards, guide specification on hard maple flooring and recommendations on the installation, finishing and care of hardwood maple flooring.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1897.

STANDARDS USED: Uses MFMA standards which are available from MFMA and building code provisions as applicable.

CERTIFICATION ACTIVITIES:

1. Requires product type testing and follow-up testing.
2. Requires frequent mill inspections by third-party inspectors.
3. Requires initial and periodic evaluations of a manufacturer's Q.A. system.
4. Has established rules governing reinspection after receiving a complaint.
5. Develops standards to test new products.
6. Issues certificates of approval and authorizes the use of its mark.
7. Maintains a list of MFMA approved floor finish products.

COMMENTS: Prepares general specifications for hard maple sports flooring systems.

AVAILABILITY OF SERVICES: Available to members only.

COST OF SERVICES: Free to members. Also uses a fixed fee schedule or bases charges on actual costs depending on service requested.

PRODUCTS CERTIFIED: Floor finishes and sealants.

PRODUCT DIRECTORIES: "MFMA Floor Finish List."

PROGRAM
DOCUMENTATION
AVAILABLE:

"MFMA Membership Directory," and the "MFMA Game Markings
Manual."

ORGANIZATION NAME: MET ELECTRICAL TESTING COMPANY

ACRONYM: MET

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1959 with a staff of 140.

ADDRESS: 916 W. Patapsco Ave., Baltimore, MD 21230

PHONE NUMBER: 301-354-2200

FAX NUMBER: 301-354-1624

LOCATIONS OF TESTING FACILITIES: Baltimore, MD.

PURPOSE: To conduct FCC certification, safety certification, and performance testing and certification.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses ANSI, ISO, IEEE, FCC, UL and military standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic product testing.
2. Requires initial and periodic factory inspections and evaluations of a manufacturer's Q.A. system.
3. Authorizes the use of its mark.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: GSA and DOD. Will soon be recognized by OSHA as a "Nationally Recognized Testing Laboratory" (NRTL).

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on a fixed fee schedule.

PRODUCTS CERTIFIED: Computers, telephones, lighting fixtures, electrical products, industrial control equipment, air-conditioners.

PRODUCT DIRECTORIES: MET...."Listed Products Directory."

ORGANIZATION NAME: NAHB NATIONAL RESEARCH CENTER

ACRONYM: NAHB/NRC

NATURE OF ORGANIZATION: Subsidiary of the trade organization, NAHB, which was founded in 1942 and has over 158,000 members.

ADDRESS: 400 Prince Georges Blvd., Upper Marlboro, MD 20772

PHONE NUMBER: 301-249-4000
FAX NUMBER: 301-249-3906

LOCATIONS OF TESTING FACILITIES: Upper Marlboro, MD.

PURPOSE: To conduct research on standards and test methods for building products and to carry out a testing/inspection/labeling program for selected building products.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1964.

STANDARDS USED: Uses ASTM, ANSI, ASME, NEMA, NFPA, and HUD/FHA standards.

CERTIFICATION ACTIVITIES:

1. Requires initial product testing and inspection of manufacturing facilities.
2. Requires inspection, sampling and testing of products every 30, 60, or 120 days depending upon product being certified.
3. Authorizes the use of its label.

PROGRAMS RECOGNIZED/ACCREDITED BY: HUD UM73a, BOCA, SBCCI, IAPMO, NVLAP, City of Los Angeles.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to anyone in light building industries.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Residential window units, plastic bathtubs, plastic shower stalls, plastic lavatories, whirlpool bathtubs, cultured marble and onyx products, insulation-batt and blanket material, insulation-loose fill, rigid board mat insulation, fenestration products (including doors, windows, skylights, and sealed insulating glass).

NO. OF FACTORIES/FIRMS CERTIFIED: 187.

PRODUCT
DIRECTORIES: Annual.

PROGRAM
DOCUMENTATION
AVAILABLE: Information on NAHB/NRC, its activities, and all
certifications programs are available free from NAHB/NRC.

ORGANIZATION NAME: NATIONAL ASSOCIATION OF ROCKETRY

ACRONYM: NAR

NATURE OF ORGANIZATION: Nonprofit consumer organization founded in 1958 with a membership of 5200 and a staff of one.

ADDRESS: 2140 Colburn Dr., Shakopee, MN 55379

PHONE NUMBER: 612-445-2106

LOCATIONS OF TESTING FACILITIES: Boston, MA and Rancho Cordova, CA.

PURPOSE: To provide a service organization for model rocket consumers.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1965.

STANDARDS USED: Uses NAR standards which are available from NAR and National Fire Protection Association Standard, NFPA 1122.

CERTIFICATION ACTIVITIES:

1. Requires type testing and periodic recertification.
2. Motors tested for certification are obtained from the manufacturer, and motors for periodic random testing are taken from those for sale at retail or from mail orders.
3. Authorizes the use of its mark.
4. Publishes approved product/manufacturer directories.

PROGRAMS RECOGNIZED/ACCREDITED BY: Forty nine states require NAR certification of model rocket motors prior to sale to consumers.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Available to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Model rocket motors (engines).

NO. OF FACTORIES/FIRMS CERTIFIED: Approximately 10.

PRODUCT DIRECTORIES: "Model Rocket Engine Certification List."

ORGANIZATION NAME: NATIONAL AUTOMATIC MERCHANDISING ASSOCIATION

ACRONYM: NAMA

NATURE OF ORGANIZATION: Trade association founded in 1936 with 2367 members.

ADDRESS: 20 N. Wacker Dr., Suite 3500, Chicago, IL 60606

PHONE NUMBER: 312-346-0370

FAX NUMBER: 312-704-4140

LOCATIONS OF TESTING FACILITIES: Chicago, IL.

PURPOSE: To represent the merchandise vending machine and contract food service management industry.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1957.

STANDARDS USED: Uses NAMA standards available from NAMA.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic product testing and initial and periodic inspection of the manufacturing facilities.
2. Authorizes the use of its mark and issues certificates of compliance.
3. Develops standards to allow testing of new products.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Food and Drug Administration's Division of Federal-State Relations; food service inspection programs of state health departments.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on actual costs.

PRODUCTS CERTIFIED: Food and beverage vending machines, vending machine auxiliary equipment.

NO. OF FACTORIES/ FIRMS CERTIFIED: 30 companies.

PRODUCT DIRECTORIES: NAMA Listing of Certified Food and Beverage Vending Machines is available free.

PROGRAM
DOCUMENTATION
AVAILABLE:

Single copies of the following are available free from NAMA:
"The NAMA Vending Machine Evaluation Program, What It Is and
What It Can Do For You;" "The NAMA Automatic Merchandising
Health-Industry Council Organization Plan and Procedures"
(the Council oversees the evaluation program); "Vending
Machine Evaluation Program Administrative Policies;" "NAMA
Standard for the Sanitary Design and Construction of Food and
Beverage Vending Machines."

ORGANIZATION NAME: THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

ACRONYM: NBBI

NATURE OF ORGANIZATION: Organization composed of chief boiler inspectors in the United States and Canada which was founded in 1919.

ADDRESS: 1055 Crupper Avenue, Columbus, OH 43229

PHONE NUMBER: 614-888-8320

LOCATIONS OF TESTING FACILITIES: Columbus, OH.

PURPOSE: To promote uniform administration of boiler and pressure vessel safety laws.

REGISTRATION FUNCTION(S): Program administrator and registrar.

REGISTRATION PROGRAM(S) BEGUN: 1919.

STANDARDS USED: Uses ASME Boiler and Pressure Vessel Code, ANSI, NRC standards and The National Board Inspection Codes and Guides.

REGISTRATION/CERTIFICATION ACTIVITIES:

1. Registers boilers, pressure vessels and other products and provides each with a registration number if constructed in accordance with the ASME Code. The National Board mark is the second symbol of quality applied to the vessel after the ASME mark.
2. Accredits qualified inspectors through its testing/education/experience evaluation system.
3. Conducts inspection, product evaluations with periodic audits to assure compliance with ASME Code in jurisdictions which do not possess adequate, qualified inspectors.
4. Participates along with ASME and qualified local inspectors in the evaluation of the manufacturing of nuclear power plant components to assure compliance with the ASME Code.
5. Accredits nuclear inspector supervisors through a testing system.
6. Makes periodic visits to manufacturers' shops to observe fabrication procedures and assure compliance with ASME Code.
7. Accredits repair services.
8. Has a formal appeals procedure.
9. Publishes approved product/manufacture listings.

PROGRAMS RECOGNIZED/ACCREDITED BY: Recognized in many Canadian provinces. In many states, registration is a mandatory requirement.

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| AVAILABILITY OF SERVICES: | Open to U.S. and Canadian manufacturers. |
| PRODUCTS REGISTERED: | Boilers, pressure vessels, parts, safety valves, nuclear vessels, components, piping, pumps, line valves, nuclear safety valves. |
| NO. OF FACTORIES/ FIRMS REGISTERED: | Has 15,000,000 registrations. |
| PRODUCT DIRECTORIES: | "Manufacturers and National Board Repair Certificate Holders Directory," and "Pressure Relief Device Certifications," are available from NBBI. |
| PROGRAM DOCUMENTATION AVAILABLE: | "National Board Bulletin," "Administrative Boiler and Pressure Vessel Safety Rules/Regulations," "Preventative Maintenance on Power Boilers," "National Board Authorization to Repair ASME and National Board Stamped Boilers and Pressure Vessels," "National Board Inspection Code," "National Board VR Repair Symbol Administrative Rules and Procedures," "National Board Information Booklet," "Recommended Boiler and Pressure Vessel Safety Legislation," "Equal Safety for All," "The Ten Demandments," "What the National Board Means to You," "Guide for ASME Code Sections I, IV, & VIII, Divisions 1 & 2, Reviews and Nuclear Surveys," "National Board Authorization to Repair, Modify or Replace Nuclear Components," "Recommended Rules for National Board Boiler Blowoff Equipment," and "Manufacturers' Data Reports Registered with the National Board" are available from NBBI. |

ORGANIZATION NAME: NATIONAL CERTIFIED TESTING LABORATORIES

ACRONYM: NCTL

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1977.

ADDRESS: Five Leigh Dr., York, PA 17402

PHONE NUMBER: 717-846-1200

FAX NUMBER: 717-767-4100

LOCATIONS OF TESTING FACILITIES: York, PA; Orlando, FL.

PURPOSE: To perform independent testing and certification of fenestration, sealed insulating glass, paint and polyethylene and office products to appropriate specifications.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1980.

STANDARDS USED: ANSI and ASTM standards available from ANSI and ASTM.

CERTIFICATION ACTIVITIES:

1. Requires product type testing, follow-up product testing, and initial/periodic factory inspections.
2. Requires evaluation of a manufacturer's Q.A. program.
3. Accepts test results from other accredited test labs.
4. Issues certificates of approval and authorizes the use of its mark.
5. Publishes approved product/manufacturer directories.
6. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Recognized by HUD.
Also recognized by SPI and SIGMA.

AVAILABILITY OF SERVICES: Certification is available to members only.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Windows, doors, foam, sealed insulating glass, office furniture, polyethylene sheeting, lineals, paint.

NO. OF FACTORIES/ FIRMS CERTIFIED: 10.

PRODUCT
DIRECTORIES:

"NCTL Certified Products Directory for Fenestration Products," "NCTL Certified Products Directory for Paint," and "NCTL Certified Products Directory for Polyethylene Sheeting" are available free to architects and code bodies and for a fee to others.

PROGRAM
DOCUMENTATION
AVAILABLE:

Additional program information is available free from NCTL.

Received 6/89

ORGANIZATION NAME: NATIONAL DIMENSION MANUFACTURERS ASSOCIATION
(Formerly Hardwood Dimension Manufacturers Association)

ACRONYM: NDMA

NATURE OF ORGANIZATION: Trade association of dimension manufacturers founded in 1929 with a membership of approximately 95.

ADDRESS: 1000 Johnson Ferry Rd. Suite A-130, Marietta, GA 30068

PHONE NUMBER: 404-565-6660, 404-565-6663

PURPOSE: To provide public relations, advertising, marketing, and technical/educational services to members; to promote the dimension industry; to act as a business referral clearinghouse to dimension buyers, and to establish and maintain standard rules for dimension products.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: "Rules and Specifications for Dimension and Woodwork" available from NDMA.

AVAILABILITY OF SERVICES: Open to all manufacturers of dimension products.

PRODUCTS CERTIFIED: Hardwood, hardwood stair treads and risers, interior trim and moldings.

PRODUCT DIRECTORIES: None.

PROGRAM DOCUMENTATION AVAILABLE: "Rules and Specifications for Dimension and Woodwork" is available from NDMA.

ORGANIZATION NAME: NATIONAL ELECTRICAL TESTING ASSOCIATION, INC.

ACRONYM: NETA

NATURE OF ORGANIZATION: Trade association founded in 1973 with a membership of 30 and a staff of three.

ADDRESS: 916 W. Patapsco Ave., Baltimore, MD 21230

PHONE NUMBER: 301-354-2200

FAX NUMBER: 301-354-1624

LOCATIONS OF TESTING FACILITIES: Accredited companies throughout the United States.

PURPOSE: To promote free exchange of ideas and technical information amongst member companies.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses NETA, as well as NFPA, ANSI, and IEEE standards.

CERTIFICATION ACTIVITIES: 1. Approves testing laboratories. Requires submission of a detailed application supporting capability.
2. Authorizes the use of its logo.

AVAILABILITY OF SERVICES: Open to members.

COST OF SERVICES: Free to members.

PRODUCTS CERTIFIED: Electrical products, including electrical machinery, equipment, supplies and appliances, miscellaneous machinery (engines, turbines), scientific, optical and professional instruments and supplies.

PRODUCT DIRECTORIES: NETA WORLD.

ORGANIZATION NAME: NATIONAL FLUID POWER ASSOCIATION

ACRONYM: NFPA

NATURE OF ORGANIZATION: Trade association founded in 1953 with a membership of over 200.

ADDRESS: 3333 N. Mayfair Rd., Milwaukee, WI 53222

PHONE NUMBER: 414-778-3344

LOCATIONS OF TESTING FACILITIES: Requires manufacturer testing/self-certification.

PURPOSE: To develop technical standards; fluid power indices; to conduct marketing and management studies; and to perform other educational and related services for the industry.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1978.

STANDARDS USED: Uses NFPA standards available from NFPA. Also uses ANSI standards.

CERTIFICATION ACTIVITIES:

1. Conducts a manufacturers' self-certification program under which manufacturers attest that their products conform to relevant standards, that they maintain a quality control system sufficient to ensure product conformance, and that they conduct verification tests.
2. Authorizes the use of the NFPA trademark to NFPA members.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all NFPA members.

COST OF SERVICES: Membership fees only.

PRODUCTS CERTIFIED: Valves, cylinders, pumps and motors, filters-hydraulic and pneumatic, pneumatic regulators, pneumatic lubricators, quick action couplings, accumulators.

PRODUCT DIRECTORIES: None.

PROGRAM DOCUMENTATION AVAILABLE: "NFPA Standards T1.21.1-1978 (R 1983) - Procedure for Self Certification by Fluid Power Manufacturers."

ORGANIZATION NAME: NATIONAL HARDWOOD LUMBER ASSOCIATION

ACRONYM: NHLA

NATURE OF ORGANIZATION: Trade association founded in 1897 with a membership of approximately 1400 companies.

ADDRESS: P.O. Box 34518, Memphis, TN 38134-0518

PHONE NUMBER: 901-377-1818

FAX NUMBER: 901-382-6419

LOCATIONS OF TESTING FACILITIES: Inspects only, does not test.

PURPOSE: To inspect, measure, grade, and certify hardwood lumber; to conduct seminars and short courses and to maintain an inspection training school, and to maintain and publish uniform grading rules.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses NHLA grading rules available from NHLA.

CERTIFICATION ACTIVITIES:

1. Inspects and grades lumber and issues certificates of measurement and grade.
2. Financially guarantees certificate.
3. Has a buyer/seller dispute resolution procedure.
4. Bundles certified lumber with metal straps and seals with NHLA mark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all producers and sales organizations in the United States and Canada.

COST OF SERVICES: Inspection services based on actual costs of inspection plus a surcharge for non-members.

PRODUCTS CERTIFIED: Hardwood lumber.

PRODUCT DIRECTORIES: None.

PROGRAM DOCUMENTATION AVAILABLE: "Rules for the Measurement & Inspection of Hardwood & Cypress" available for a fee from NHLA. These rules are also available in German, Mandarin, French, and Spanish. Italian and Japanese translations are expected to be available in 1989.

ORGANIZATION NAME: NATIONAL KITCHEN CABINET ASSOCIATION

ACRONYM: NKCA

NATURE OF ORGANIZATION: Trade association founded in 1955 with a staff of five.

ADDRESS: P.O. Box 6830, Falls Church, VA 22046

PHONE NUMBER: 703-237-7580

FAX NUMBER: 703-237-2963

LOCATIONS OF TESTING FACILITIES: Albuquerque, NM; St. Louis, MO; Birmingham, AL; Houston, TX; Columbus, OH; Portland, OR; Anaheim, CA; St. Paul, MN; Stanford, CT.

PURPOSE: To encourage the highest ideals and ethics among its members; to encourage its members to be responsive to the industry's needs; to present the industry's viewpoint to legislative and regulatory bodies; to work with others to improve the quality and value of the industry's products; to encourage the development of research projects to achieve industry improvements; to collect, interpret and disseminate information of interest to the industry; to represent the industry in the development of reasonable product standards; to promote the industry's growth; to encourage participation in activities of special value to the industry; to promote friendly and lawful interchange among those engaged in the industry; to conduct other activities of benefit to the industry.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1968.

STANDARDS USED: ANSI standards available from ANSI.

CERTIFICATION ACTIVITIES:

1. Accredits testing and inspection agencies.
2. Requires type testing by an approved testing agency.
3. Requires follow-up testing and periodic audits of a producer's Q.A. system by an approved agency.
4. Requires product testing by an approved agency in response to substantiated complaints.
5. Issues certificates of approval and authorizes the use of its mark.
6. Issues approved product directories.
7. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: Recognized by HUD and DOD for military housing.

AVAILABILITY
OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS
CERTIFIED: Kitchen cabinets, bath vanities.

NO. OF FACTORIES/
FIRMS CERTIFIED: 110.

PRODUCT
DIRECTORIES: "Directory of NKCA Certified Cabinets" available free from
NKCA.

PROGRAM
DOCUMENTATION
AVAILABLE: ANSI/NKCA A161.1-1985 - Recommended Performance and
Construction Standards for Kitchen and Vanity Cabinets.

ORGANIZATION NAME: NATIONAL MARINE MANUFACTURER'S ASSOCIATION
(Formerly Boating Industry Associations (BIA))

ACRONYM: NMMA

NATURE OF ORGANIZATION: Trade association founded in 1968 as a joint venture of the National Association of Boat Manufacturers (NABM), the Association of Marine Engine Manufacturers (AMEM), and the National Association of Marine Products and Services (NAMPS).

ADDRESS: 401 N. Michigan Ave., Chicago, IL 60611. Offices also located in Washington, DC; Havertown, PA; St. Louis, MO; New York, NY; Miami Beach, FL; Jacksonville, FL; Stamford, CT.

PHONE NUMBER: 312-836-4747
FAX NUMBER: 312-329-9815

LOCATIONS OF TESTING FACILITIES: See address/office listing.

PURPOSE: To provide certification of recreational boats, trailers and two-cycle lubrication oil.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: First program begun in 1968 by BIA.

STANDARDS USED: Uses ASTM, ANSI, ASME, CGA, NEMA, UL, NEC, IEEE, NMMA, SAE, ABYC standards, military specifications, and federal standards including those issued by DOT and the U.S. Coast Guard.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic factory inspection by NMMA and an evaluation of the manufacturer's Q.A. system.
2. Accredits other testing laboratories for use in testing.
3. Issues certificates of approval and authorizes the use of its mark.
4. Lists approved products/manufacturers in a directory.
5. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: Recognized by the U.S. Coast Guard.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Boats, yachts, trailers, two-cycle gasoline engine lubricants.

NO. OF FACTORIES/
FIRMS CERTIFIED: 350.

PRODUCT "BIA Type Accepted List" which is available free to members
DIRECTORIES: only from NMMA.

ORGANIZATION NAME: NATIONAL OAK FLOORING MANUFACTURERS ASSOCIATION

ACRONYM: NOFMA

NATURE OF ORGANIZATION: Trade association founded in 1909 and with a membership of approximately 30.

ADDRESS: Box 3009, Memphis, TN 38173-0009

PHONE NUMBER: 901-526-5016

LOCATIONS OF TESTING FACILITIES: Inspects only, does not test.

PURPOSE: To promote standardization; conduct a grade labeling and inspection service; and maintain research programs in grading, handling, packaging and installation.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses NOFMA grading rules available from NOFMA.

CERTIFICATION ACTIVITIES:

1. Requires six months of observation by NOFMA staff and production approval.
2. Authorizes the use of its mark and publishes approved manufacturer/product lists.
3. Makes periodic checks of members' facilities.
4. Has a buyer/seller complaint resolution procedure.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Membership is open to all U.S. manufacturers of strip flooring.

COST OF SERVICES: Based on actual reports.

PRODUCTS CERTIFIED: Oak flooring, beech flooring, birch flooring, hard maple flooring, pecan flooring.

NO. OF FACTORIES/FIRMS CERTIFIED: 23 firms.

PRODUCT DIRECTORIES: "Buyer's Guide: Directory of Companies Manufacturing Quality Hardwood Flooring and Other Products" is available free from NOFMA.

PROGRAM DOCUMENTATION AVAILABLE: "Official Flooring Grading Rules," "Hardwood Flooring Installation Manual," "Hardwood Flooring Finishing/Refinishing Manual" are available free from NOFMA.

ORGANIZATION NAME: NATIONAL PARTICLEBOARD ASSOCIATION

ACRONYM: NPA

NATURE OF ORGANIZATION: Trade association founded in 1960 and with a staff of 11 and a membership of 19.

ADDRESS: 18928 Premiere Court, Gaithersburg, MD 20879

PHONE NUMBER: 301-670-0604

FAX NUMBER: 301-840-1252

PURPOSE: To provide service to the particleboard and medium density fiberboard (MDF) industries, including Q.A. programs, statistics, technical research, product promotion, and representation to governmental agencies.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses NPA standards as well as ANSI A208.1-1989, ANSI A208.2-1986, and HUD standards contained in 24 CFR 3280.

CERTIFICATION ACTIVITIES:

1. Requires monthly mill inspections and evaluations of the manufacturer's Q.A. system.
2. Requires initial and periodic product testing.
3. Approves testing laboratories to conduct product testing.
4. Authorizes the use of its mark and issues certificates of approval.
5. Has a formal appeals procedure.

COMMENTS: The program offers third-party certification for physical and formaldehyde properties.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule.

PRODUCTS CERTIFIED: Particleboard, MDF.

NO. OF FACTORIES/
FIRMS CERTIFIED: 32 firms.

PROGRAMS RECOGNIZED/
ACCREDITED BY: HUD, CPSC, the State of Minnesota, all national model building code organizations.

PRODUCT DIRECTORIES: A "Buyer's Guide" is available from NPA.

ORGANIZATION NAME: NATIONAL SAFE TRANSIT ASSOCIATION

ACRONYM: NSTA

NATURE OF ORGANIZATION: Trade association founded in 1940 with a membership of 350 and a staff of three.

ADDRESS: 43 East Ohio St., Suite 914, Chicago, IL 60611

PHONE NUMBER: 312-645-0083

FAX NUMBER: 312-645-1078

LOCATIONS OF TESTING FACILITIES: Throughout the United States and Canada. Also some in Europe and the Far East.

PURPOSE: To prepare and maintain procedures for preshipment testing of packaged products and to certify labs as being qualified to test so that packaging is improved, damages are reduced and claim settlement is expedited.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1948.

STANDARDS USED: Uses NSTA and ASTM standards.

CERTIFICATION ACTIVITIES:

1. Evaluates, inspects and accredits equipment and personnel involved in preshipment testing of packaged products.
2. Authorizes the use of its mark on products which pass testing by accredited laboratories.
3. Issues certificates of approval.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all members.

COST OF SERVICES: Fixed fee schedule for membership.

PRODUCTS CERTIFIED: Packaging, packaged goods.

NO. OF FACTORIES/
FIRMS CERTIFIED: 140 laboratories.

PRODUCT DIRECTORIES: Publishes a list of approved laboratories.

PROGRAM DOCUMENTATION AVAILABLE: "Pre-shipment Test Procedures," "Overseas Test Procedures," and "Laboratory Technical Verification Procedures" which are available for a fee from NSTA.

ORGANIZATION NAME: NATIONAL SANITATION FOUNDATION

ACRONYM: NSF

NATURE OF ORGANIZATION: Nonprofit, international voluntary standards and listing/certification organization founded in 1944.

ADDRESS: 3475 Plymouth Road, P.O. Box 1468, Ann Arbor, MI 48105

PHONE NUMBER: 313-769-8010

FAX NUMBER: 313-769-0109

TELEX: 753215

LOCATIONS OF TESTING FACILITIES: Ann Arbor, MI.

PURPOSE: The mission of NSF is to provide clients and the general public with objective, high quality, timely, third-party services at acceptable cost. Services include development of consensus standards, voluntary product testing and certification with policies and practices which protect the integrity of registered marks, education and training, and research and demonstration, all relating to public health and environmental sciences.

CERTIFICATION FUNCTION(S): Program administrator, evaluator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1951.

STANDARDS USED: Uses NSF standards available from NSF. Also uses AWWA, ANSI, CSA, ISO and ASTM standards and government regulations.

CERTIFICATION ACTIVITIES:

1. Requires initial product testing and inspection by NSF staff.
2. Requires annual follow-up inspection and periodic retesting.
3. Offers an assessment service for products which do not fall within the scope of NSF's certification/listing services.
4. Authorizes the use of its marks and issues product/manufacturer listing or certification.
5. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: ANSI, BOCA, SBCCI, IAPMO, and the Massachusetts Plumbing Board, and the City of Los Angeles.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Varies based on service rendered.

PRODUCTS
CERTIFIED:

Soda fountain and luncheonette equipment; food service equipment; commercial spray-type dishwashing machines; commercial cooking and hot food storage equipment; hot water generating and heat recovery equipment; vacuum breakers; plumbing fixtures; water pressure reducing valves; flush tank ball cocks; water hydrants; shower control valves; mixing valves; backwater valves; refuse compactors and compactor systems; thermoplastic refuse containers; marine sanitation devices; plumbing system components for mobile homes and recreational vehicles; cabinetry and laboratory furniture for hospitals; polyethylene refuse bags; individual aerobic wastewater treatment plants; food equipment; wastewater recycle/reuse and water conservation systems; bottled water; flexible membrane liners and point-of-use and point-of-entry water treatment devices; Class II (Laminar Flow) biohazard cabinetry; pitless well adapters; special processes or devices used in treating wastewater; Diatomite type filters; sand type filters; recessed automatic surface skimmers; centrifugal pumps; adjustable output rate chemical feeding equipment; multiport valves; cartridge and high permeability type filters; flow through chemical feeding equipment; materials and piping systems for: potable water applications; drain, waste and vent, and continuous waste systems; corrosive waste system applications; sewers.

NO. OF FACTORIES/
FIRMS CERTIFIED:

1800.

PRODUCT
DIRECTORIES:

"Biohazard Cabinetry," "Drinking Water Additives," "Drinking Water Treatment Units," "Food Equipment," "Plastic Piping Components and Related Materials," "Swimming Pool Equipment," "Special Categories," and Certification "Registry" are available free from NSF.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Facts About Listing Services," "Facts About Certification Services," "Facts About Assessment Services," "Facts About NSF," and various specific program brochures are available free from NSF.

ORGANIZATION NAME: NATIONAL WOOD WINDOW & DOOR ASSOCIATION
(Formerly NATIONAL WOODWORK MANUFACTURERS ASSOCIATION, INC.)

ACRONYM: NWWDA

NATURE OF ORGANIZATION: Trade association founded in 1927 with a regular membership of 60 and an association membership of 80.

ADDRESS: 1400 East Touhy Ave., Suite G-54, Des Plaines, IL 60018

PHONE NUMBER: 312-299-5200

FAX NUMBER: 312-299-1286

PURPOSE: To establish high quality standards; to promote, protect and advance the interests of the wood window and door industry; and to issue seals of approval for millwork products.

CERTIFICATION
FUNCTION(S): Program administrator.

CERTIFICATION
PROGRAM(S) BEGUN: 1976.

STANDARDS USED: Uses NWWDA Standards available from NWWDA. Also references applicable ANSI and ASTM standards in the text of the window and door standards.

CERTIFICATION
ACTIVITIES:

1. Requires initial qualifying inspection/product testing by inspectors retained by NWWDA.
2. Requires at least periodic follow-up inspections with product sampling/testing.
3. Requires initial and periodic evaluation of manufacturer's Q.A. system.
4. Accredits laboratories to test products.
5. Has a formal appeals procedure.
6. Publishes a listing of approved manufacturers/products and authorizes the use of its mark.
7. Develops standards to allow testing of new products.

PROGRAMS
RECOGNIZED/
ACCREDITED BY: Recognized by VM 52 - HUD building products.

AVAILABILITY
OF SERVICES: Open to all.

COST OF SERVICES: Actual cost for members, cost plus administrative fee for non-members.

PRODUCTS
CERTIFIED: Wood flush doors, wood window units, wood sliding patio doors, wood roof windows/skylights, treatment by water repellent preservatives.

NO. OF FACTORIES/
FIRMS CERTIFIED: 25.

PRODUCT
DIRECTORIES: Publishes the "NWWDA Membership and Product Directory."

ORGANIZATION NAME: NATIONWIDE CONSUMER TESTING INSTITUTE
(SEE ALSO UNITED STATES TESTING COMPANY, INC.)

ACRONYM: NCTI

NATURE OF ORGANIZATION: A wholly owned subsidiary of the U.S. Testing Company, a member of the Societe Generale de Surveillance (SGS)

ADDRESS: c/o Product Certification Division, United States Testing Company, Inc., 1341 No. 198th East Avenue, Tulsa, OK 74116

PHONE NUMBER: 918-437-8333

LOCATIONS OF TESTING FACILITIES: Hoboken, NJ; Richland, WA; Tulsa, OK; and Los Angeles, CA. SGS also affiliates in North and South America, Europe, the Far East, Asia, Africa and Australia.

CERTIFICATION FUNCTION(S): Program administrator - divisions of USTCo are the certifiers.

STANDARDS USED: Uses specifications and procedures mandated by U.S. government or standards organizations. Where no specifications exists, the Institute develops a test program to cover all phases of end-use performance.

CERTIFICATION ACTIVITIES:

1. Requires products (randomly selected from retail outlets and/or from manufacturing and packaging facilities) to be initially tested by USTCo along with plant follow-up inspections and an evaluation of the manufacturer's Q.A. system.
2. A quality audit program, including periodic product retesting, is also required.
3. Authorizes the use of its mark and publishes listed manufacturer/product directories.

PROGRAMS RECOGNIZED/ACCREDITED BY: NVLAP, California State Fire Marshall, Los Angeles City Dept. of Building and Safety-Licensee, States of Oregon and Washington.

COMMENTS: Develops programs to assist marketers and advertisers in the area of claim substantiation to assure the products live up to all marketing claims for a specified time period.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule or actual costs.

| | |
|---|--|
| <p>PRODUCTS CERTIFIED:</p> | <p>Ceiling material; plastic bathroom components; whirlpool bathtub appliances; engines/generators for RVs; lighting and appliances for RVs; gas detectors for RVs; foam plastic for building systems; translucent curtain walls and roof panels; pressure treated/fire retardant lumber, plywood, cedar shakes and shingles, and scaffold planking; roofing products and coverings; insulation; electrical/electronic apparatus; two-way radio transmitters; radio link data terminals; portable communications equipment; oxygen generators.</p> |
| <p>NO. OF FACTORIES/ FIRMS CERTIFIED:</p> | <p>50-60.</p> |
| <p>PRODUCT DIRECTORIES:</p> | <p>A Directory of Listed Products is published annually with supplements as required.</p> |
| <p>PROGRAM DOCUMENTATION AVAILABLE:</p> | <p>A brochure entitled, "Nationwide Consumer Testing Institute" and other materials are available.</p> |

ORGANIZATION NAME: NORTH AMERICAN DIE CASTING ASSOCIATION
(Formerly the American Die Casting Institute)

ACRONYM: NADCA

NATURE OF ORGANIZATION: Trade association founded in 1928 with a staff of 15 and a membership of 3,600.

ADDRESS: 2000 N. 5th Ave., River Grove, IL 60171-1992

PHONE NUMBER: 312-452-0700
FAX NUMBER: 312-452-0147

LOCATIONS OF TESTING FACILITIES: Chicago Spectro Service Laboratory, Inc., Chicago, IL.

PURPOSE: To represent the die casting industry in legislative matters; marketing areas; to create and provide current education and technical training; and to foster research.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1949.

STANDARDS USED: Uses ASTM standards which are available from ASTM.

CERTIFICATION ACTIVITIES: 1. Requires type testing by an approved laboratory.
2. Authorizes the use of its mark and issues certificates of approval.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members only.

COST OF SERVICES: Included in annual dues.

PRODUCTS CERTIFIED: Die castings.

NO. OF FACTORIES/
FIRMS CERTIFIED: 70.

ORGANIZATION NAME: NORTHEASTERN LUMBER MANUFACTURERS ASSOCIATION

ACRONYM: NeLMA

NATURE OF ORGANIZATION: Trade association/rules writing agency founded in 1933 with a staff of eight and a membership of 200.

ADDRESS: 272 Tuttle Road, P.O. Box 87A, Cumberland Center, ME 04021

PHONE NUMBER: 207-829-6901

FAX NUMBER: 207-829-4293

LOCATIONS OF TESTING FACILITIES: Inspects only.

PURPOSE: To establish and maintain standards for size and grade; to administer softwood grading rules and hardwood (dimension only) rules; to certify graders in the manufacturing mills; and to conduct inspections.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1935.

STANDARDS USED: Uses NeLMA standards and also administers rules of other agencies used in the area.

CERTIFICATION ACTIVITIES:

1. Requires periodic factory inspections.
2. Authorizes the use of its mark and issues certificates of approval.
3. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: Accredited by ALSC. Program recognized by U.S. and Canadian federal agencies and by 11 states.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Free to members. Members pay based on size of production. Fixed fee for inspection conducted for non-members.

PRODUCTS CERTIFIED: Eastern white pine, Eastern spruce, red pine, hemlock boards, Eastern spruce, red pine, balsam fir dimension lumber, hardwood dimension lumber.

PRODUCT DIRECTORIES: Purchasers' Guide, Pine brochures, Dimension brochure, Eastern Pattern Chart, Siding Application Chart, and Rule Book for NeLMA Standard Grading Rules.

ORGANIZATION NAME: NORTHWEST LABORATORIES OF SEATTLE, INC.

ACRONYM: NWL

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1896.

ADDRESS: 1530 First Avenue South, Seattle, WA 98134

PHONE NUMBER: 206-622-0680

FAX NUMBER: 206-622-0159

LOCATIONS OF TESTING FACILITIES: Seattle, WA.

PURPOSE: To provide testing and technical services for the architectural, automotive, building, chemical, fire protection, glass, hazardous waste, insulation, marine, metal fabrication, packaging, plastics, plumbing, safety equipment, sports equipment, textiles, and toy industries as well as the legal profession and the insurance industry.

CERTIFICATION FUNCTION(S): Program administrator (for some products) and certifier.

CERTIFICATION ACTIVITIES:

1. Provides initial and follow-up testing.
2. Performs factory inspections and evaluations of manufacturer's Q.A. system against industry standards.
3. Issues and authorizes use of NWL label.
4. Has a formal appeals procedure.

CERTIFICATION PROGRAM(S) BEGUN: 1956.

STANDARDS USED: AAMA, AATCC, ABS, ABYC, ANSI, ASM, ASME, ASTM, AWS, BOCA, CPSC, DOE, DOT, FTC, GSA, ICBO, ISDSI, ISO, NFPA, NIOSH, NWWDA, OSHA, SBCCI, UBC, UL, USCG, and military, federal and manufacturers's standards applicable to specific products.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on a fixed fee schedule or individually determined based on product type and services provided.

PRODUCTS CERTIFIED: Architectural, automotive, building, chemical, fire protection and glass products; hazardous waste; insulation; marine products; metal fabrications; packaging; plastics; plumbing products; safety equipment; sports equipment; textiles; toys. Products tested include: doors, windows, stoves, furnaces, fireplace inserts, solid fuel burning appliances, textile products.

PROGRAM DOCUMENTATION AVAILABLE: Test standards, NWL Scope of Services, and an NWL brochure are available free from NWL.

ORGANIZATION NAME: OMEGA POINT LABORATORIES, INC.
(Formerly Southwest Certification Services, Inc.)

ACRONYM: OPL

NATURE OF ORGANIZATION: An independent, consulting, testing and certification agency founded in 1985.

ADDRESS: 6868 Alamo Downs Pkwy., San Antonio, TX 78238

PHONE NUMBER: 512-647-5253

FAX NUMBER: 512-647-0615

TELEX: 9102400828 SWCS UQ

LOCATIONS OF TESTING FACILITIES: San Antonio or uses other independent testing labs.

PURPOSE: To test and label building materials and products.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1985.

STANDARDS USED: ASTM, UL, UBC, NFIPA, FM and others as appropriate.

CERTIFICATION ACTIVITIES:

1. Provides initial engineering evaluation, testing and follow-up factory testing and inspection services.
2. Requires follow-up inspection, testing and approval of manufacturer's Q.A. program for listed products.
3. Issues certificates of approval and authorizes the use of its mark.
4. Publishes a directory of certified/listed products.
5. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: ICBO, SBCCI, CABO, HUD, TVA, state and local building code agencies, and insurance services organizations.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fees are based on services provided.

PRODUCTS CERTIFIED: Building materials and products.

PRODUCT DIRECTORIES: Available from OPL.

PROGRAM DOCUMENTATION AVAILABLE: A Guide for listing and follow-up services for materials, products and assemblies is available .

ORGANIZATION NAME: OUTDOOR POWER EQUIPMENT INSTITUTE, INC.

ACRONYM: OPEI

NATURE OF ORGANIZATION: Trade association founded in 1952 with a membership of approximately 75.

ADDRESS: 341 S. Patrick Street, Alexandria, VA 22314

PHONE NUMBER: 202-296-3484

LOCATIONS OF TESTING FACILITIES: United States Testing Company (USTCo) in Hoboken, NJ.

PURPOSE: To promote outdoor power equipment; to coordinate development of voluntary standards; to collect and disseminate industry statistical information; and to sponsor a third-party certification program.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1961.

STANDARDS USED: Uses ANSI/OPEI standards available from ANSI.

CERTIFICATION ACTIVITIES:

1. Requires initial product testing and inspection by USTCo.
2. Requires periodic inspection/testing by USTCo at least twice annually.
3. Authorizes the use of the OPEI seal.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all manufacturers.

COST OF SERVICES: Varies. Manufacturers must be members of OPEI or pay nonmember fee to participate in OPEI certification program. Additional cost to manufacturers based on USTCo charges for inspection.

PRODUCTS CERTIFIED: Lawn mowers, snow throwers, shredder/grinders, tillers, log splitters.

PROGRAM DOCUMENTATION AVAILABLE: "III. Certification of Compliance with Voluntary Safety Standards for Powered Lawn Mowers" is available free from OPEI.

ORGANIZATION NAME: PACIFIC INSPECTION AND RESEARCH LABORATORY, INC.

ACRONYM: PIRL

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1980 with a staff of nine.

ADDRESS: 4076 148th Ave., N.E., Redmond, WA 98052

PHONE NUMBER: 206-881-7668

FAX NUMBER: 206-881-2569

LOCATIONS OF TESTING FACILITIES: Redmond, WA.

PURPOSE: To provide product testing, certification and consulting.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1980.

STANDARDS USED: Uses UL and ASTM standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and follow-up testing.
2. Requires initial and follow-up factory inspections and evaluations of a manufacturer's Q.A. system.
3. Issues certificates of approval and authorizes use of its mark.
4. Publishes approved product/manufacturer directories.
5. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: AAMA for structural and thermal performance of fenestration products; Associated Laboratories for sealed insulating glass units; ICBO; the Oregon State Dept. of Commerce, Building Codes Division; Washington State Dept. of Labor and Industries, Electrical Board; State of Connecticut, Dept. of Public Safety; City and County of Denver, Dept. of Public Works; City of Los Angeles, Dept. of Building and Safety; HUD for solid fuel burning stoves.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS CERTIFIED: Solid fuel burning stoves, heaters, central furnaces and related accessories, small electrical appliances, lighting systems.

NO. OF FACTORIES/FIRMS CERTIFIED: Six.

PRODUCT
DIRECTORIES:

"Catalog of Solid Fuel Burning Appliances" is available free
upon request.

PROGRAM
DOCUMENTATION
AVAILABLE:

Provided by PIRL upon request.

ORGANIZATION NAME: PFS CORPORATION

ACRONYM: PFS

NATURE OF ORGANIZATION: Independent testing laboratory and quality assurance agency founded in 1959 with a staff of 55.

ADDRESS: 2402 Daniels Street, Madison, WI 53704

PHONE NUMBER: 608-221-3361

FAX NUMBER: 608-221-2084

LOCATIONS OF TESTING FACILITIES: Madison, WI (Headquarters); and Dallas, TX; Bloomsburg, PA; Los Angeles, CA; Greensboro, NC; Kissimmee, FL.

PURPOSE: To provide quality assurance testing services -- testing, plan review, quality control inspections, product listing and labeling, code consulting, inspector training seminars, and research -- to manufacturers.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1959.

STANDARDS USED: Uses PFS standards available from PFS. Also uses ASTM, ANSI, UL, EPA, CSA, and other nationally recognized standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and follow-up testing.
2. Requires initial and follow-up factory inspections and evaluations of a producer's Q.A. system.
3. Authorizes the use of its mark and issues certificates of approval.
4. Publishes listed product/manufacturer directories.
5. Has a formal appeals procedure.
6. Provides inspector training seminars.

PROGRAMS RECOGNIZED/ACCREDITED BY: HUD, EPA, ICBO, BOCA, SBCCI, CABO, NCSBCS, NIBS, and 37 states in the United States.

COMMENTS: Conducts engineering conferences.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS
CERTIFIED: Manufactured structures - modular, wet core, office units,
open and closed panels; mobile homes - building components
and assemblies, plywood and particleboard panels, trusses;
glue laminated beams; permanent wood foundations; fire tested
and fire rated products; formaldehyde emissions; heating
appliances (for safety, emissions, and efficiency).

NO. OF FACTORIES/
FIRMS CERTIFIED: Approximately 420.

PRODUCT
DIRECTORIES: "PFS Listing Directory" is available from PFS.

PROGRAM
DOCUMENTATION
AVAILABLE: PFS brochures and other information is available by calling
or writing to Kathleen Blair, Ass't. to the President, at the
address listed above.

ORGANIZATION NAME: PITLESS ADAPTER DIVISION of the WATER SYSTEMS COUNCIL

ACRONYM: PAD

NATURE OF ORGANIZATION: Trade association founded in 1966 with a membership today of approximately 10.

ADDRESS: 600 South Federal Street, Suite 400, Chicago, IL 60605

PHONE NUMBER: 312-922-6222

FAX NUMBER: 312-922-2734

LOCATIONS OF TESTING FACILITIES: Allied Laboratory, Villa Park, IL.

PURPOSE: The Pitless Adapter Division (PAD) was organized in 1966 to deal specifically with the interests of sanitary pitless well adapter manufacturers. The Division is concerned with protecting public health by setting high standards for design, manufacture and installation of adapters and units as part of the complete water system. It has its own budget for programs that includes workshops, code activities, distribution of consumer literature and certification of adapters and units meeting the PAS-1 and PAS-2 standards.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1966.

STANDARDS USED: Uses PAS-1 and PAS-2 standards available from PAD.

CERTIFICATION ACTIVITIES:

1. Accredits laboratories to do testing and observes first series of tests that the lab conducts.
2. May periodically inspect the laboratory.
3. Requires initial product testing at accredited lab.
4. Authorizes the use of its symbol and issues certificates of compliance.
5. Publishes listing of approved products/manufacturers.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members and non-members.

COST OF SERVICES: Based on cost of testing.

PRODUCTS CERTIFIED: Pitless adapters, complete pitless units, pitless caps.

NO. OF FACTORIES/
FIRMS CERTIFIED: 10 companies.

PRODUCT
DIRECTORIES:

Listing is contained in PAS-1 "Recommended Standards and Installation Procedures for Sanitary Water Well Pitless Adapters and Units" and in PAS-2 "Standards for Watertight Well Caps" which are available from PAD for a fee.

PROGRAM
DOCUMENTATION
AVAILABLE:

See entry under Product Directories.

ORGANIZATION NAME: PLUMBING AND DRAINAGE INSTITUTE

ACRONYM: PDI

NATURE OF ORGANIZATION: Trade association founded in 1928 with a membership of five.

ADDRESS: 1106 W. 77th St., S. Dr., Indianapolis, IN 46208-3318

PHONE NUMBER: 317-251-6970

PURPOSE: To publish standards and code books and to conduct a certification program.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses PDI standards available from PDI. Also uses ANSI and ASSE standards.

CERTIFICATION ACTIVITIES:

1. Accredits laboratories to conduct testing.
2. Requires initial product testing by a PDI approved laboratory.
3. Requires follow-up testing within 3 years and annually thereafter.
4. Issues certificate of compliance and authorizes the use of its mark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all producers.

PRODUCTS CERTIFIED: Water hammer arresters, grease interceptors.

PROGRAM DOCUMENTATION AVAILABLE: Applicable PDI standards available from PDI for a fee.

ORGANIZATION NAME: PRECAST/PRESTRESSED CONCRETE INSTITUTE

ACRONYM: PCI

NATURE OF ORGANIZATION: Trade association/professional society founded in 1954 with a membership of approximately 319 manufacturing plants and 1600 professional members and a staff of 22.

ADDRESS: 175 W. Jackson Blvd., Suite 1859, Chicago, IL 60604

PHONE NUMBER: 312-786-0300

FAX NUMBER: 312-786-0353

PURPOSE: To advance the design, manufacture and use of prestressed concrete and precast concrete.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1967.

STANDARDS USED: Uses PCI standards available from PCI. Also uses ACI and ASTM standards.

CERTIFICATION ACTIVITIES:

1. Requires three inspections a year of one to two days duration by a PCI contracted inspection agency and evaluation of a producer's Q.A. system.
2. Evaluates engineering drawings and designs and management support.
3. Issues certificates of compliance and maintains a PCI certified plant list.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: Programs recognized by the Federal Highway Administration, Naval Facilities Engineering Command (NAVFEC), the Canadian Standards Association (CSA), a number of state depts. of transportation, and the American Institute of Architects.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS INSPECTED: Precast concrete, precast prestressed concrete, glass fiber reinforced concrete (GFRC).

NO. OF FACTORIES/FIRMS CERTIFIED: 140.

PRODUCT DIRECTORIES: "PCI Certified Plant List" is available free from PCI.

PROGRAM
DOCUMENTATION
AVAILABLE:

Beginning in 1988, the program is more product specific. It recognizes four groups of products: (1) architectural precast concrete; (2) glass fiber reinforced concrete (GFRC); (3) bridge products; and (4) commercial (structural) products. The program is based on three publications: (1) Manual for Quality Control for Plants and Production of Precast Prestressed Concrete Products; (2) Manual for Quality Control for Plants and Production of Architectural Precast Concrete Products; and (3) Recommended Practice for Glass Fiber Reinforced Concrete Products.

ORGANIZATION NAME: PROFESSIONAL COIN GRADING SERVICE

ACRONYM: POGS

NATURE OF ORGANIZATION: A for-profit service organization founded in 1986 with a staff of 50 and a membership of 420.

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

PHONE NUMBER: 714-250-1211

FAX NUMBER: 714-250-0510

PURPOSE: To provide third-party grading and authentication services to investors and collectors of U.S. rare coins.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: February 1986.

STANDARDS USED: POGS develops and publishes specifications to determine coin's authenticity.

CERTIFICATION ACTIVITIES:

1. Conducts product type and follow-up testing.
2. A minimum of three POGS grading experts grade each coin.
3. Authorizes the use of its mark and issues certificates of approval.
4. Has an appeals procedure which permits blind regrading of coins suspected of being overgraded.
5. Develops standards to test new products.
6. Is expanding service to include world coins.

PROGRAMS RECOGNIZED/
ACCREDITED BY: Industry Council for Tangible Assets (ICTA).

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Coins.

NO. OF FACTORIES/
FIRMS CERTIFIED: One.

PRODUCT DIRECTORIES: "POGS Authorized Dealer List" and "POGS Population Report."

ORGANIZATION NAME: PROFESSIONAL SERVICE INDUSTRIES
PITTSBURGH TESTING LABORATORY DIVISION

ACRONYM: PSI/PTL

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1881 with approximately 1300 employees.

ADDRESS: 850 Poplar Street, Pittsburgh, PA 15220

PHONE NUMBER: 412-922-4000
FAX NUMBER: 412-922-4014

LOCATIONS OF TESTING FACILITIES: PSI has laboratories throughout the country.

PURPOSE: To provide quality control, quality assurance, product certification, forensic and materials engineering services.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1959.

STANDARDS USED: Uses nationally recognized standards, none of which are PSI/PTL's.

CERTIFICATION ACTIVITIES:

1. Requires initial type and follow-up testing.
2. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q.A. system.
3. Approves other testing laboratories.
4. Issues certificates of approval and authorizes the use of its mark.

COMMENTS:

1. PSI requires the following prior to any certification:
 - (1) availability of technical standards or government regulations;
 - (2) plant has an operational Q.A. program;
 - (3) plant survey, sampling and qualification have been conducted prior to certification; and
 - (4) there is a follow-up system in place after certification.
2. Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Both fixed fee schedule and individually determined based on product and services rendered.

PRODUCTS
CERTIFIED:

Plywood, particleboard, trusses, glue laminated members, folding doors, safety shoes, safety eye protective devices, industrialized buildings, building components, compressed gas cylinders, compressed gas cylinder service stations, aluminum windows, room dividers, flares and other Coast Guard regulated products (marine products).

NO. OF FACTORIES/
FIRMS CERTIFIED:

Over 200.

ORGANIZATION NAME: PULVER LABORATORIES, INC.

ACRONYM: PLI

NATURE OF ORGANIZATION: Independent safety and radio frequency interference (RFI) testing laboratory, founded in 1979, for national and/or international product certification. Also provides redesign and product prototyping services.

ADDRESS: 415 S. 8th St., Boise, ID 83702

PHONE NUMBER: 208-342-1000

FAX NUMBER: 208-342-5500

LOCATIONS OF

TESTING FACILITIES: Boise, ID and (Silicon Valley) San Jose, CA.

PURPOSE: To test, evaluate and certify electrical products. To help manufacturers meet RF and safety standards by testing, evaluating and certifying products, allowing manufacturers to ship and sell products. PLI also gets certifications from other agencies like UL, CSA, VDE, FCC and gives them to manufacturers.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1981 PLI-Safety and RF.

STANDARDS USED:

Uses FCC, MIL STD, CISPR, UL, IEC, CSA, CISPR, VDE and other foreign national standards and the National Electrical Codes.

CERTIFICATION
ACTIVITIES:

1. Provides initial testing to ensure compliance with requirements of each country where marketing is desirable.
2. Recommends design modifications to bring products into compliance with applicable requirements.
3. Provides follow-up inspection every 3 months to assure compliance.
4. Issues an Evaluation Report covering all testing aspects.
5. Authorizes the use of its label and issues certificates of conformance.

PROGRAMS
RECOGNIZED/
ACCREDITED BY:

Safety labs certified by State of Oregon and City of Los Angeles. RFI is registered by FCC, VDE, VCCI, CISPR. Pulver Laboratories Inc., is recognized in 56 countries.

COMMENTS:

PLI certification is accepted in the United States and 55 other countries. PLI will, however, assist manufacturers in obtaining any international agency mark. Has a formal appeals procedure and provides manufacturer with recommended design modifications.

AVAILABILITY
OF SERVICES:

Open to all.

COST OF SERVICES:

Fixed fees and/or based on actual costs of testing involved depending on service requested.

PRODUCTS
CERTIFIED:

All electrical products and assemblies. From the very small product, to the very large installations: like 30,000 amp substations.

PROGRAM
DOCUMENTATION
AVAILABLE:

"RFI/EMI/EMC Product Safety: Testing; Design; Certification; Professional Services" available free from PLI. Free estimated project costs; program management by PLI; and 27 other publications (depending on customer needs) are available from PLI.

ORGANIZATION NAME: PULVER LABORATORIES, INC., TECHNICAL INFORMATION DIVISION

ACRONYM: PLI/TID

NATURE OF ORGANIZATION: Independent safety and product compliance engineering organization, founded in 1985, with 19 members and a staff of six.

ADDRESS: 150 South Autumn St., San Jose, CA 95110

PHONE NUMBER: 408-977-1600

FAX NUMBER: 408-288-5131

LOCATIONS OF TESTING FACILITIES: Boise, ID and (Silicon Valley) San Jose, CA.

PURPOSE: To help product manufacturers meet product standards and obtain certifications needed to ship and sell products in 148 countries. RF, safety testing, certification, and product evaluation services are available.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1985.

STANDARDS USED: Uses all standards such as NEC, ANSI, CISPR, IEC, CSA, CISPR, VDE, BSI, SAA, MIL and other foreign national standards from 148 countries.

CERTIFICATION ACTIVITIES:

1. Provides initial and follow-up testing to ensure compliance with requirements of each country where marketing is desirable.
2. Recommends design modifications to bring products into compliance with applicable requirements.
3. Provides initial and periodic factory inspections and evaluations of a manufacturer's Q.A. system.
4. Approves testing laboratories.
5. Authorizes the use of its mark and issues certificates of conformance.
6. Has a formal appeals procedure.
7. PLI will develop a product certification strategy and then implement after approved by PLI Client Management.

PROGRAMS RECOGNIZED/ACCREDITED BY: Safety labs accredited by State of Oregon and City of Los Angeles for safety; and by FCC, VDE (Germany), and DOC (Canada) for RFI. Program is also recognized by TUV (Germany), SA (Australia) and New Zealand.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fees and/or based on actual costs of testing involved, depending on service requested.

PRODUCTS CERTIFIED: Electrical and mechanical products, including medical; electronic data processing; information processing; power supplies; electronics used in hazardous locations.

NO. OF FACTORIES/
FIRMS CERTIFIED: Over 1,000.

PRODUCT DIRECTORIES: Approved product/manufacturers directories are available for (1) safety, (2) radio frequency interference, and (3) products used in hazardous environments.

PROGRAM DOCUMENTATION AVAILABLE: "RFI/EMI/EMC Product Safety: Testing; Design; Certification; Professional Services" available free from PLI. Free estimated project costs; program management by PLI; and 27 other publications, depending on customer needs, are available from PLI.

ORGANIZATION NAME: RED CEDAR SHINGLE AND HANDSPLIT SHAKE BUREAU
(CEDAR SHAKE AND SHINGLE BUREAU)

ACRONYM: RCSHSB

NATURE OF ORGANIZATION: A trade association founded in 1915 with a membership of approximately 360 and a staff of 23.

ADDRESS: 515-116th Ave., NE, Suite 275, Bellevue, WA 98004

PHONE NUMBER: 206-453-1323

FAX NUMBER: 206-455-1314

PURPOSE: To provide an inspection service and trade promotion for the mills that manufacture shakes and shingles; to distribute the products and support the Bureau.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1915.

STANDARDS USED: The three model building codes (SBCCI, UBC, and BOCA) list grading criteria and applications based on the grading rules of the Bureau, and the Bureau is referenced by name.

CERTIFICATION ACTIVITIES:

1. Requires periodic unannounced inspections and evaluations of members' mills grading policies and Q.A. systems.
2. Authorizes the use of its labels and issues certificates of approval.
3. Develops standards to test new products.
4. Has a formal appeals procedure.

COMMENTS: The fire-treated products (permanent pressure impregnation process) are marketed under the Certi-Guard program. All other products are promoted under the Certi-Split, Certigrade, Certi-Groove and Certi-Sawn labels.

Non-red cedar products are inspected by the **Wood Shake and Shingle Association**, a subsidiary agency formed by the Bureau.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Recognized by any state that has adopted one of the model building codes (SBCCI, UBC, or BOCA). The Bureau is also registered with the British Columbia Societies Act (Canada).

AVAILABILITY OF SERVICES: Open to all members.

COST OF SERVICES: Based on actual costs using a fee schedule.

PRODUCTS CERTIFIED: Shingles, shakes.

PRODUCTS

DIRECTORIES:

Membership Directory and Buyers Guide.

PROGRAM

DOCUMENTATION

AVAILABLE:

"Red Cedar Shingle and Shake Design and Application Manual for New Roof Construction" and other publications and videos are available from RCSHSB.

ORGANIZATION NAME: REDWOOD INSPECTION SERVICE (A Division of the California Redwood Association - CRA)

ACRONYM: RIS

NATURE OF ORGANIZATION: Official redwood grading agency which operates under standards written by the American Lumber Standards Committee.

ADDRESS: 405 Enfrente Drive, Suite 200, Novato, CA 94947

PHONE NUMBER: 415-382-0662

FAX NUMBER: 415-382-8531

LOCATIONS OF TESTING FACILITIES: Inspects only.

PURPOSE: To assure the quality of redwood lumber products.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses RIS grading rules which are available from RIS, and National Design Specifications available from NFPA. Also uses VPS PS 20-70 (available from NIST) and ASTM standards.

CERTIFICATION ACTIVITIES:

1. RIS supervisors act as grading monitors of redwood products produced by redwood mills in Northern CA.
2. RIS also trains graders for individual mill members.
3. Offers a buyer/seller dispute resolution procedure.
4. Authorizes the use of its mark and provides a certificate of compliance.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all mills in Northern California.

PRODUCTS CERTIFIED: Northern California whitewood lumber products, California redwood lumber products.

PROGRAM DOCUMENTATION AVAILABLE: "Standard Specification for Grades of California Redwood Lumber" which is available for a fee from RIS and "NIST Voluntary Product Standard PS 20-70" which is available free from NIST.

ORGANIZATION NAME: REPLICATION TECHNOLOGY, INC

ACRONYM: RTI

NATURE OF ORGANIZATION: Independent testing and inspection organization founded in 1984. RTI is owned by Technical Inspection Service Corporation, a wholly-owned subsidiary of Rheinisch-Westfalischer Technischer Überwachungs-Verein (RWIUV), founded in 1872 and located in Essen, West Germany.

ADDRESS: Suite 307, 2001 Jefferson Davis Highway, Arlington, VA 22202

PHONE NUMBER: 703-486-0227

FAX NUMBER: 703-892-8959

TELEX: 650-259-8217

LOCATIONS OF TESTING FACILITIES: Primarily in Essen, West Germany. Some work subcontracted to non-affiliated private materials testing laboratories around the United States. In addition, there is an administrative office in Palo Alto, CA and an affiliated company with its own lab in North Bergen, NJ.

PURPOSE: To provide, with RWIUV's expertise and assistance, testing and inspection services in the United States and abroad for a wide variety of products and systems. Products destined for export to the German market are tested primarily for safety and compliance with German regulations; products for export to other destinations are inspected for conformance to client specifications. Also provides life-extension services for power plants.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: April 1984.

STANDARDS USED: DIN, VDE, IEC and other German or European standards. In addition, third-party inspection to assure product conformance to client specifications. For power plant work, U.S. standards and codes.

CERTIFICATION ACTIVITIES:

1. Requirements are based on type of product and relevant safety regulations and standards of the country involved.
2. Approves testing laboratories (affiliates). Also uses its own laboratory and those of TISC and RWIUV.
3. Has complete access to resources of RWIUV.
4. Can conduct full scope inspections, testing, analytical and evaluation services in North America.

PROGRAMS RECOGNIZED/
ACCREDITED BY: Appropriate West German organizations.

| | |
|--|--|
| AVAILABILITY OF SERVICES: | Open to all. |
| COST OF SERVICES: | Varies with projects. Proposals submitted on either a fixed fee or hourly rate plus expenses. |
| PRODUCTS CERTIFIED: | Pressure vessels (individually and type approval), valves and materials. |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | Numerous. |
| PRODUCT DIRECTORIES: | Not available. A list of references provided upon request. |
| PROGRAM DOCUMENTATION AVAILABLE: | RTI's standard brochure of services is available. RWTUV brochures are available in certain product areas. |

ORGANIZATION NAME: RESOURCES APPLICATIONS, DESIGNS & CONTROLS, INC.

ACRONYM: RADCO

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1968 with a staff of 50.

ADDRESS: P.O. Box 5506, Carson, CA 90749

PHONE NUMBER: 213-532-3842

FAX NUMBER: 213-532-3179

LOCATIONS OF TESTING FACILITIES: Gardena, CA.

PURPOSE: To conduct tests to evaluate performance of products against known standards; to set up quality control manuals; to establish quality monitoring programs with manufacturers; to work with code bodies as a listed quality assurance agency; and to list products and audit/inspect manufacturers' facilities periodically.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses ASTM, UBC, HUD, VPS, ANSI, IAPMO and other nationally recognized standards.

CERTIFICATION ACTIVITIES:

1. Requires follow-up testing by RADCO.
2. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q.A. system.
3. Authorizes the use of its mark.
4. Publishes approved product/manufacturer directories.

PROGRAMS RECOGNIZED/ACCREDITED BY: HUD, CABO, (NER-QA204), ICBO (TL-121), BOCA, SBCCI, IAPMO, NVLAP, City of Los Angeles, City and County of Denver, States of California (QD 60001), North Carolina, and many other state housing agencies.

COMMENTS:

1. RADCO is also an approved Quality Inspection Agency for listing agencies such as ICBO, and CA State Fire Marshall.
2. Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS CERTIFIED: Building materials such as roofing, roof shingles, roof underlayment, wall panels, sheathing boards, roof trusses, fireplaces, doors, windows, air ducts, EPS foam insulation boards, formaldehyde emission in wood products, and related materials, gas appliances, insulation.

NO. OF FACTORIES/
FIRMS CERTIFIED: Approximately 65.

PRODUCT
DIRECTORIES: "Directory of Listed Products" is available from RADCO.

ORGANIZATION NAME: C. M. ROU SERVICES, INC.

ACRONYM: CMRSI

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1971.

ADDRESS: 3059 Ken Dale Drive, Mobile, AL 36606

PHONE NUMBER: 205-473-6410

LOCATIONS OF TESTING FACILITIES: Mobile, AL.

PURPOSE: To inspect wood products and the preservative treatment of these materials and to provide consulting services for users and producers of preservative treated wood products.

CERTIFICATION FUNCTION(S): Certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1971.

STANDARDS USED: Uses AWWPA, AWPB, ASTM, and REA standards which are available from those organizations.

CERTIFICATION ACTIVITIES:

1. Provides follow-up testing, factory inspections, evaluation of a producer's Q.A. system and periodic follow-up Q.A. system evaluations as required by the program administrator.
2. Authorizes the use of a mark and issues certificates of approval.

PROGRAMS RECOGNIZED/ ACCREDITED BY: U.S. Navy, Rural Electrification Administration (REA), and the American Wood Preservers Bureau (AWPB).

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS CERTIFIED: Utility poles; marine, freshwater, land and foundation pilings; preservative treated lumber and timbers; cross ties; crossarms; other timber products.

PRODUCT DIRECTORIES: None.

ORGANIZATION NAME: SAFETY EQUIPMENT INSTITUTE

ACRONYM: SEI

NATURE OF ORGANIZATION: A nonprofit organization established to administer a non-governmental, third-party certification program to test and certify a broad range of safety equipment.

ADDRESS: 1901 North Moore Street, Suite 501, Arlington, VA 22209

PHONE NUMBER: 703-525-1695

FAX NUMBER: 703-528-2148

LOCATIONS OF TESTING FACILITIES: Clayton Environmental Consultants in Southfield, MI; Professional Service Industries, Inc., PTL Division, Pittsburgh, PA; and the United States Testing Company in Hoboken, NJ.

PURPOSE: The purpose of SEI's certification program is to assist government agencies along with users and manufacturers of safety equipment in meeting their mutual goal of protecting the American worker with safety equipment that is in keeping with recognized standards and the current state of the art.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1981.

STANDARDS USED: Uses ANSI, ASTM, NIOSH, NFPA and OSHA standards. SEI does not develop standards.

CERTIFICATION ACTIVITIES:

1. Requires product testing to the most comprehensive and current standards and factory inspection by independent third-parties.
2. Requires periodic quality assurance audits and product testing as needed.
3. Authorizes the use of the SEI logo when: (1) the testing lab has determined that the product model has been tested and successfully meets the appropriate product standards, and (2) the quality assurance auditor has determined that the manufacturer complies with SEI quality assurance requirements.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: The GSA requires SEI certification for all head protection purchases by federal government agencies, SEI recognition also includes, among other government entities, the DOD and NASA as well as over 200 private sector corporations.

COMMENTS: Professional Services Industries, Inc., PTL Division, tests protective eyewear and face protection equipment and emergency eye wash and shower equipment. United States Testing Co. tests protection equipment, firefighter's helmets and disposable coveralls. Gas detector tube units are tested by Clayton Environmental Consultants. Quality assurance audits are conducted by W.A. Golonski and Associates.

AVAILABILITY OF SERVICES: SEI's programs are voluntary and available to any manufacturer of safety equipment.

COST OF SERVICES: Fixed fee plus initiation and product model fees.

PRODUCTS CERTIFIED: Head protection equipment, face shields, goggles, replacement lenses, spectacles, spectacle replacement lenses, welding goggles, welding helmets, replacement filter plates, cover plates, emergency eye wash and shower equipment, structural firefighter helmets, gas detector tube units, men's limited use and disposable coveralls.

NO. OF FACTORIES/
FIRMS CERTIFIED: 45 firms.

PRODUCT DIRECTORIES: SEI "Certified Product List of Personal Protective Equipment" available free from SEI.

PROGRAM DOCUMENTATION AVAILABLE: "SEI - Your Symbol of Quality in Safety Equipment," is a 10 minute audio visual presentation available on loan from SEI at no charge.

ORGANIZATION NAME: SAFETY GLAZING CERTIFICATION COUNCIL

ACRONYM: SGCC

NATURE OF ORGANIZATION: Nonprofit industry certification program founded in 1971.

ADDRESS: Administrator, SGCC, c/o ETL Testing Laboratories, Inc., Industrial Park - Route 11, Cortland, NY 13045-0950.

PHONE NUMBER: 607-753-6711

FAX NUMBER: 607-756-9891

TELEX: 510-252-0792

LOCATIONS OF TESTING FACILITIES: Architectural Testing, York, PA; Bowser-Morner, Inc., Dayton, OH; Construction Consulting Laboratory, Ontario, CA; ETL Testing Laboratories, Inc., Norcross, GA and Cortland, NY; Miami Testing Laboratory, Inc., Hialeah, FL; Northwest Laboratories, Seattle, WA; Patzing Testing Laboratories Company, Inc., Des Moines, IA; Southwestern Laboratories, Inc., Ft. Worth, TX; U.S. Testing Co., Los Angeles, CA.

PURPOSE: To assure adherence of manufacturers of safety glazing materials to high standards of safety and quality.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1971.

STANDARDS USED: Uses standards in 16 CFR 1201 which is available from CPSC, and ANSI Standard Z97.1-1984.

CERTIFICATION ACTIVITIES:

1. Accredits laboratories to conduct safety glazing testing under the supervision of an approved administrator.
2. Requires initial and periodic product testing by an accredited laboratory.
3. Requires complaint testing in the event of a substantiated complaint by any source.
4. Authorizes the use of its mark and publishes approved product/manufacturer listings.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Tempered transparent glass, tempered pattern glass, laminated glass, general plastics, exterior use plastics, interior use plastics, organic coated glass.

PRODUCT DIRECTORIES: "Certified Products Directory: Safety Glazing Material Used in Buildings" is available for a fee from SGCC.

ORGANIZATION NAME: SMITH-EMERY COMPANY

ACRONYM: None

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1904 with a staff of 475.

ADDRESS: 781 E. Washington Blvd., Los Angeles, CA 90021

PHONE NUMBER: 213-749-3411

FAX NUMBER: 213-746-7228

LOCATIONS OF TESTING FACILITIES: Los Angeles, CA.

PURPOSE: To provide independent testing and inspection services for the construction industry, chemical testing (including wastewater and hazardous wastes), geotechnical consulting, and metallurgical laboratory services.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1904.

STANDARDS USED: Uses ASTM, UBC, IAPMO, CTI and other standards.

CERTIFICATION ACTIVITIES: 1. Conducts initial and periodic follow-up product testing.
2. Conducts initial and follow-up factory inspections and evaluations of the manufacturer's Q.A. system.

PROGRAMS RECOGNIZED/ ACCREDITED BY: State of California.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Construction materials.

ORGANIZATION NAME: SNELL MEMORIAL FOUNDATION

ACRONYM: SMF

NATURE OF ORGANIZATION: Nonprofit research and standards development organization founded in 1957 with a membership of 11 and a staff of six.

ADDRESS: P.O. Box 493, St. James, NY 11780

PHONE NUMBER: 516-862-6440

FAX NUMBER: 516-862-6545

LOCATIONS OF TESTING FACILITIES: St. James, NY; Sacramento, CA; and Farnham, United Kingdom.

PURPOSE: To aid, help, promote and insure the life, safety, well-being and comfort of persons participating in or about any type of or vehicular transportation; to investigate, develop, approve and publicize articles which may possibly relate thereto; to engage in research related to such articles directly or to finance such research and take any other action related directly or indirectly thereto, and to conduct and carry on the work of the Foundation, not for profit, but exclusively for scientific, educational and charitable purpose.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1957.

STANDARDS USED: Snell standards available from SMF.

CERTIFICATION ACTIVITIES: 1. Requires initial/periodic testing and factory inspection.
2. Authorizes the use of its mark and issues certificates of certification.

PROGRAMS RECOGNIZED/ ACCREDITED BY: California Highway Patrol, and some sanctioning bodies for specific sporting events.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Motorcycle, bicycle, equestrian, ski and special application (automobile racing) helmets.

NO. OF FACTORIES/ FIRMS CERTIFIED: 33 firms.

PROGRAM DOCUMENTATION AVAILABLE: Certification requirements are contained in the appropriate Snell standards which are available from SMF for a fee.

ORGANIZATION NAME: SNOWMOBILE SAFETY AND CERTIFICATION COMMITTEE, INC.

ACRONYM: SSCC

NATURE OF ORGANIZATION: Industry organization founded in 1974 with membership open to all interested parties.

ADDRESS: 3975 University Dr., Suite 310, Fairfax, VA 22030

PHONE NUMBER: 703-273-9606

FAX NUMBER: 703-273-9271

LOCATIONS OF TESTING FACILITIES: United States Testing Co. in Hoboken, NJ.

PURPOSE: To assure the safe manufacture and use of snowmobiles.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: First set of standards effective Feb. 1, 1975.

STANDARDS USED: Uses SSCC standards available from SSCC. Also uses SAE standards, Canadian Government Specification Board and U.S. federal specifications.

CERTIFICATION ACTIVITIES:

1. Requires approval of manufacturer's initial product testing by U.S. Testing Co.
2. Authorizes periodic follow-up testing by U.S. Testing Co.
3. Authorizes the use of its label.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ ACCREDITED BY: Canada; States of Connecticut, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, New Hampshire, Oregon, Pennsylvania, Rhode Island, Vermont, Wisconsin.

COMMENTS: Canada, Michigan and New Hampshire require compliance with all SSCC standards. Wisconsin accepts SSCC label as proof of compliance with sound level, lighting and brake requirements. Other listed states accept SSCC label as proof of compliance with sound level requirements.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee per snowmobile plus plant visitation fee based on number of modules being certified plus testing company travel related expenses.

PRODUCTS CERTIFIED: Snowmobiles.

NO. OF FACTORIES/
FIRMS CERTIFIED:

Three firms.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Safety Standards for Snowmobile Product Certification
SSCC/10" is available for a fee from SSOC upon request.

"Safety Standards for Snowmobile Product Certification
SSCC/10: Supplement" is also available for a fee from SSOC
upon request.

ORGANIZATION NAME: SOCIETY OF AUTOMOTIVE ENGINEERS

ACRONYM: SAE

NATURE OF ORGANIZATION: Nonprofit association founded in 1905 with a staff of 250 and a membership of 55,000.

ADDRESS: 400 Commonwealth Drive, Warrendale, PA 15096

PHONE NUMBER: 412-776-4841

FAX NUMBER: 412-776-5760

TELEX: 866-355

PURPOSE: To publish and disseminate standards on a worldwide basis.

FUNCTION(S): Program administrator.

STANDARDS USED: Uses SAE standards, ASTM standards, military standards, and American Petroleum Institute standards.

PROGRAM ONE: ENGINE OIL AND GEAR LUBRICANTS

REVIEW
ACTIVITIES:

1. Review performance data on lubricants.
2. Has a formal appeals procedure.
3. Develops standards to test new products.
4. SAE does not actually approve the products. The members of the Lubricant Review Institute review the data on engine oil and gear lube formulations and based on the data make recommendations to the Army whether or not to accept the data. The Army has the final say on product approval.

PROGRAMS
RECOGNIZED/
ACCREDITED BY: U.S. Army.

AVAILABILITY
OF SERVICES: Open to all.

COST OF SERVICES: Revenue for this program is generated through a government contract with the Army and a fee structure.

PRODUCTS
REVIEWED: Engine oil, gear lubricants.

PRODUCT
DIRECTORIES: SAE does not publish a directory, but the U.S. Army publishes a list of products.

PROGRAM TWO: ENGINE OIL LABEL ASSESSMENT PROGRAM (OLAP)

REVIEW
ACTIVITIES:

1. Randomly tests products off the shelf.
2. Has a formal appeals procedure.
3. Develops standards to test new products.
4. The SAE Oil Assessment Program (OLAP) does not approve or certify products. The program has a committee that reviews analytical data on oil samples to determine if the analytical data represents the claims made on the label. These are engine oils sold in the market place and labeled as meeting API service SF or SG.

PROGRAMS
RECOGNIZED/
ACCREDITED BY:

U.S. Army.

COMMENTS:

If the committee believes an oil to be questionably labeled, every effort is made to resolve the issue with the marketer. If the issue cannot be resolved, the information is handed over to the program's major sponsor, the U.S. Army. All data that the committee sees is coded and kept confidential. The only person who knows how the oil is coded is the staff engineer at SAE.

AVAILABILITY
OF SERVICES:

Open to all.

COST OF SERVICES:

The OLAP program is funded by a government contract and contributions from other trade associations.

PRODUCTS
REVIEWED:

Engine oil.

OTHER PROGRAMS

There are two other verification programs getting underway at SAE. The first program is called Truck Parts Verification Program. This program plans to have the manufacturer of certain truck parts send the test results to SAE that verify that the parts meet SAE standards. The manufacturer can then claim that he has SAE verified parts. For further information, contact Jim Rumpf at SAE.

The second program is the National Aerospace and Defense Contractor's Accreditation (NADCAP). This program is also in the early stage. It is the intent of this program to certify locations that supply parts to the aerospace industry. SAE would actually publish a list of manufacturers who meet all the requirements. For further information, contact Arshad Hafeez at SAE.

ORGANIZATION NAME: SOLAR RATING & CERTIFICATION CORPORATION

ACRONYM: SRCC

NATURE OF ORGANIZATION: Nonprofit organization founded in 1980 to certify and rate the performance of solar energy equipment.

ADDRESS: 1730 N. Lynn St., Suite 610, Arlington, VA 22209

PHONE NUMBER: 703-524-6045

LOCATIONS OF TESTING FACILITIES: Phoenix, AZ; Cape Canaveral, FL.

PURPOSE: To develop and implement certification and rating programs for solar energy products.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1981.

STANDARDS USED: Uses SRCC standards available from SRCC. Also uses ASHRAE, NFPA, NSF, AGA, and UL standards.

CERTIFICATION ACTIVITIES:

1. Accredits laboratories for testing.
2. Requires initial product testing by an accredited laboratory.
3. Requires follow-up testing every 3 years.
4. Authorizes the uses of its mark.
5. Requires complaint testing in the event of a substantiated complaint by a third-party.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fees plus variable fee based on volume shipped.

PRODUCTS CERTIFIED: Solar collectors.

NO. OF FACTORIES/
FIRMS CERTIFIED: 45 manufacturers, 150 products certified.

PRODUCT DIRECTORIES: "Directory of SRCC Certified Solar Collector and Solar System Ratings."

PROGRAM
DOCUMENTATION
AVAILABLE:

"Solar Collector Certification Rating and Labeling Program: Executive Summary," "OG-100: Operating Guidelines for Certifying Solar Collectors," "Methodology for Determining the Thermal Performance Rating for Solar Collectors," "Solar Water Heating System Certification Rating and Labelling Program: Executive Summary," "OG-200: Operating Guidelines for Certifying Solar Water Heating Systems," "Laboratory Accreditation Program: Executive Summary," and "SRCC Document LAC-1: Accreditation Criteria for Testing Laboratories Evaluating Solar Components, Subsystems, and Systems" are available free from SRCC. "SRCC Standard 100-81, Test Methods and Minimum Standards for Certifying Solar Collectors" and "SRCC Standard 200-82, Test Methods and Minimum Standards for Certifying Solar Water Heating Systems" are also available from SRCC.

ORGANIZATION NAME: SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL, INC.

ACRONYM: SBCCI

NATURE OF ORGANIZATION: Model code writing organization with 1850 active and 5000 total members and a staff of 55.

ADDRESS: 900 Montclair Road, Birmingham, AL 35213-1206

PHONE NUMBER: 205-591-1853

FAX NUMBER: 205-592-7001

LOCATIONS OF TESTING FACILITIES: Has approved labs nationwide and in Canada.

PURPOSE: To provide members with current model code documents, educational materials, product listing information, and support services.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1971.

STANDARDS USED: Uses Standards Codes which are available from SBCCI.

CERTIFICATION ACTIVITIES:

1. Lists testing laboratories, Q.A. and inspection agencies which can be used in the program.
2. Requires initial and periodic re-evaluation of listed products.
3. Requires the initial and periodic evaluation of a manufacturer's Q.A. system.
4. Requires periodic factory inspections.
5. Requires a detailed submission of information involving design/product data as well as test data from a listed or acceptable laboratory for SBCCI review to determine conformance to the applicable standards/codes before listing is granted.
6. Provides draft reports to applicants for review and comment.
7. Publishes final compliance reports and authorizes the use of the SBCCI Seal.
8. Issues certificates of listing.
9. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: Approved by over 2,000 private, state, county and city building organizations.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS
LISTED:

Alternate materials and methods of construction, building products, building materials, prefabricated and factory built components, chimneys and fireplaces, doors, windows, ducts, exit systems, exterior finishes, factory built houses, factory built structures, fire resistive construction, fasteners, floor systems, wall systems, roof systems, foundations, framing systems, gas logs, gas lighters, glazing, hangers, support, insulation, interior finishes, masonry products, mechanical systems, metal buildings, plumbing fixtures, plumbing materials and systems, roofing, roof decks, smoke and heat detectors, solar systems, swimming pools, thermal barriers, truss plate connectors.

NO. OF FACTORIES/
FIRMS CERTIFIED:

Has over 600 listed firms.

PRODUCT
DIRECTORIES:

"SBCCI Compliance Report Listing" is provided free to members and for a fee to others.

ORGANIZATION NAME: SOUTHERN PINE INSPECTION BUREAU

ACRONYM: SPIB

NATURE OF ORGANIZATION: Nonprofit inspection agency founded in 1940 with a membership of 306 and a staff of 60.

ADDRESS: 4709 Scenic Highway, Pensacola, FL 32504-9094

PHONE NUMBER: 904-434-2611

FAX NUMBER: 904-433-5594

LOCATIONS OF TESTING FACILITIES: Pensacola, FL.

PURPOSE: To serve as the southern pine lumber standards writing organization; to provide supervisory grading service to southern pine manufacturers subscribing to SPIB; to provide supervisory quality control service and testing to pressure treaters of southern pine products under AWWA/ASTM standards; and to provide Component Quality Audit inspections to truss fabricators under TPI and WTCA standards and/or inspection procedures.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1940.

STANDARDS USED: PS 20-70 and SPIB Grading Rules available from SPIB. AWWA Treating Standards available from AWWA.

CERTIFICATION ACTIVITIES:

1. Requires initial evaluation of a producer's Q.A. system.
2. Requires periodic re-evaluations of Q.A. system.
3. Authorizes the use of its mark and publishes approved product directories.
4. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: National Evaluation Service of CABO, Board of Review of the American Lumber Standards Committee under PS 20-70, developed by NIST.

COMMENTS: Over 90% of the U.S. southern pine industry classifies and sells its product under SPIB's grading rules. SPIB is managed by an elected board of governors from subscriber mills.

AVAILABILITY OF SERVICES: Open to all U.S. producers.

COST OF SERVICES: Fixed fee.

| | |
|---------------------------------------|---|
| PRODUCTS CERTIFIED: | Southern pine lumber, pressure treated southern pine products, glued lumber/plywood I-beams, component assemblies with southern pine lumber. |
| NO. OF FACTORIES/ FIRMS CERTIFIED: | Approximately 306 southern pine lumber producers, approximately 133 pressure treating plants, seven machine stress rating organizations, 93 component fabrication plants. |
| PRODUCT DIRECTORIES: | "SPIB 1985 Roster" which is available free from SPIB. |

ORGANIZATION NAME: STEEL JOIST INSTITUTE

ACRONYM: SJI

NATURE OF ORGANIZATION: Trade association founded in 1928 with a membership of 15.

ADDRESS: Suite A, 1205 48th Ave. North, Myrtle Beach, SC 29577

PHONE NUMBER: 803-449-0487

PURPOSE: To develop, establish and maintain standards; to conduct research activities for the joist industry on various aspects of steel joist design and performance; to publish information regarding the proper use of steel joists and accessories, including handling and erection, in the interest of public welfare and safety; and to promote the use of steel joists.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1928.

STANDARDS USED: Uses SJI standards which are available from SJI.

CERTIFICATION ACTIVITIES:

1. Requires submission and approval of complete design data.
2. For open web joists, H-Series, requires testing by an independent laboratory and inspection of the plant by an SJI approved inspection agency.
3. Requires periodic inspection by an SJI approved agency.
4. Issues certificates of approval and publishes approved product/manufacture lists.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: K-series joists, LH-series joists, DLH-series joists, Joist Girders.

PRODUCT DIRECTORIES: Publishes the names of member companies and the products which have been given certification on the back cover of the publication entitled, "Standard Specifications, Load Tables and Weight Tables for Steel Joists & Joist Girders," which is available from SJI for a fee.

ORGANIZATION NAME: STEEL TANK INSTITUTE

ACRONYM: STI

NATURE OF ORGANIZATION: Trade association founded in 1916 with a membership of 102 and a staff of 21.

ADDRESS: P.O. Box 4020, Northbrook, IL 60065

PHONE NUMBER: 312-498-1980

FAX NUMBER: 312-498-3173

LOCATIONS OF TESTING FACILITIES: Utilizes independent testing labs.

PURPOSE: To secure cooperative action in advancing by all lawful means the common purposes of its members and to promote activities designed to enable the industry to conduct itself with the greatest economy and efficiency.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1972.

STANDARDS USED: Uses STI standards available from STI. Also uses UL, ASTM, SSPC, NACE standards, as well as standards referenced by Fire and Building Codes and by EPA.

CERTIFICATION ACTIVITIES:

1. Requires initial inspection of fabricator's production and quality assurance programs prior to authorization of its mark.
2. Requires periodic inspection by an STI approved inspection service.
3. Makes periodic unannounced factory inspections using STI quality assurance inspectors.
4. Requires attendance at STI sponsored Q.A. seminars.
5. Holds a triennial quality assurance audit program.
6. Authorizes the use of its mark and publishes approved product/manufacturer directories.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members only.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Corrosion resistant underground storage tanks and attendant components.

PRODUCT
DIRECTORIES:

Available free from STI:
Cathode Protection and Tank Monitoring
sti-P₃ Installation Instructions
sti-P₃ Single Wall Steel Underground Tanks
Spec Data-Single Wall Steel and Dual Wall sti-P₃ Protected
Underground Steel Storage Tanks
Tank Talk - monthly newsletter
STI RP for Corrosion Protection of Underground Steel Piping
Networks Associated with Underground Liquid and Dispensing
Systems
STI RP for Hold Down Strap Isolation.

PROGRAM
DOCUMENTATION
AVAILABLE:

sti-P₃ Specification and Manual for External Corrosion
Protection of Underground Steel Storage Tanks

ORGANIZATION NAME: SUMP AND SEWAGE PUMP MANUFACTURERS ASSOCIATION

ACRONYM: SSPMA

NATURE OF ORGANIZATION: Trade association founded in 1956 with a membership of approximately 30.

ADDRESS: P.O. Box 298, Winnetka, IL 60093-0298

PHONE NUMBER: 312-332-4146

LOCATIONS OF TESTING FACILITIES: Does not test.

PURPOSE: To develop and promulgate quality standards; to implement a labeling and certification program for products conforming to these standards; to investigate market size and activity; to promote improved provisions in building codes.

CERTIFICATION FUNCTION(S): Program administrator.

STANDARDS USED: Uses SSPMA standards available from SSPMA. Also uses NEMA standards and the National Electrical Code.

CERTIFICATION ACTIVITIES:

1. Requires manufacturers' self certification that his products meet applicable standards.
2. Authorizes the use of its seal and publishes approved product/manufacturer listings.
3. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members and non-members.

PRODUCTS CERTIFIED: Sump pumps, sewage pumps, effluent pumps.

PRODUCT DIRECTORIES: "List of SSPMA Member Companies" is available for a fee upon request.

PROGRAM DOCUMENTATION AVAILABLE: "Sump, Sewage and Effluent Pump Standards" is available for a fee from SSPMA.

ORGANIZATION NAME: SUN-DIAMOND GROWERS OF CALIFORNIA

ACRONYM: None

NATURE OF ORGANIZATION: Growers cooperative marketing organization founded in 1910 with a membership of 6000 and a staff of 515.

ADDRESS: P.O. Box 9024, Pleasanton, CA 95266

PHONE NUMBER: 415-463-8200

FAX NUMBER: 415-463-7492

TELEX: 171-317

LOCATIONS OF TESTING FACILITIES: Yuba City, CA; Stockton, CA; Kingsburg, CA; Del Rey, CA; Fresno, CA.

PURPOSE: To process, package and market members commodities -- prunes, walnuts, raisins, figs, and hazelnuts.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses USDA standards and internal standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic factory inspections.
2. Requires initial and periodic evaluations of a producer's Q.A. system.
3. Authorizes the use of its trademark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members only.

COST OF SERVICES: Free to members.

PRODUCTS CERTIFIED: Prunes, walnuts, raisins, figs, hazelnuts, almonds, Brazil nuts, pecans, dried peaches, dried apples, dried apricots, dried pears.

NO. OF FACTORIES/
FIRMS CERTIFIED: 28 firms.

ORGANIZATION NAME: TIMBERCO, INC.

ACRONYM: TECO

NATURE OF ORGANIZATION: Founded in 1933 with a staff of approximately 55.

ADDRESS: 12401 Middlebrook Road, Germantown, MD 20874

PHONE NUMBER: 503-746-8271 Contact: M. L. Van Etten

FAX NUMBER: 503-747-1630

LOCATIONS OF TESTING FACILITIES: Eugene, OR; and in the factories themselves.

PURPOSE: To provide product inspection and certification services in the manufacture of wood products, such as plywood and other structural use panels used primarily in building construction.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1958.

STANDARDS USED: Uses nationally recognized standards such as NIST voluntary standards, HUD, ANSI and ASTM standards.

CERTIFICATION ACTIVITIES:

1. Requires type and follow-up testing of a product.
2. Requires initial and periodic factory inspection and evaluation of a producer's Q.A. system.
3. Authorizes the use of its mark and issues certificates.

COMMENTS:

1. Programs have good recognition and acceptance in the United States and Canada.
2. Export demand for the types of products which TECO certifies is increasing.
3. Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined based on volume.

PRODUCTS CERTIFIED: Wood products, such as plywood, particleboard, waferboard, OSB, hardboard, laminated wood products, etc.

NO. OF FACTORIES/ FIRMS CERTIFIED: Approximately 50 firms.

PRODUCT DIRECTORIES: A client list is available free from TECO.

ORGANIZATION NAME: TILE COUNCIL OF AMERICA, INC.

ACRONYM: TCA

NATURE OF ORGANIZATION: Trade association founded in 1945 with 19 regular members, 11 associate members and a staff of eight.

ADDRESS: P.O. Box 326, Princeton, NJ 08542

PHONE NUMBER: 609-921-7050

FAX NUMBER: 609-452-7255

LOCATIONS OF TESTING FACILITIES: Princeton, NJ.

PURPOSE: To promote the use of ceramic tile through advertising, public relations and research on the installation of the product.

CERTIFICATION FUNCTION(S): Program administrator and licensor.

CERTIFICATION PROGRAM(S) BEGUN: 1959.

STANDARDS USED: Uses ANSI and TCA standards available from ANSI and TCA.

CERTIFICATION ACTIVITIES: 1. Requires initial and follow-up testing.
2. Authorizes the use of its mark.
3. Lists licensed manufacturers.

AVAILABILITY OF SERVICES: Open to licensees only.

COST OF SERVICES: Free to licensees.

PRODUCTS CERTIFIED: Dry set mortars and grouts, epoxy mortar and grout for glazed and unglazed tile, epoxy adhesives, "Dot" tile.

NO. OF FACTORIES/
FIRMS CERTIFIED: 20 firms.

PRODUCT DIRECTORIES: See Page 35 in "Handbook for Ceramic Tile Installation," which is available free from TCA in single copies.

PROGRAM DOCUMENTATION AVAILABLE: See "Handbook for Ceramic Tile Installation."

ORGANIZATION NAME: TRACE LABORATORIES

NATURE OF
ORGANIZATION: Independent testing laboratories founded in 1977.

| | | | |
|---------------|---|---|---|
| ADDRESS: | Trace-East 1190 Winterson Rd. Linthicum, MD 21090 | Trace-Central 4611 Olcott Chicago, IL 60656 | Trace-West 9320 Madison Ave. Chatsworth, CA 91311 |
| PHONE NUMBER: | 301-859-8100 | 312-867-0400 | 818-886-8882 |
| FAX NUMBER: | 301-859-3056 | 312-867-9120 | 818-885-8293 |
| TELEX: | 898160 | | |

LOCATIONS OF
TESTING FACILITIES: Maryland, Illinois and California.

PURPOSE: To supply environmental, electrical, mechanical, metallurgical and chemical testing of interconnecting devices, materials, and related technical support services. Also tests automotive electrical and electronic products.

CERTIFICATION
FUNCTION(S): Program administrator and certifier.

CERTIFICATION
PROGRAM(S) BEGUN: 1978.

STANDARDS USED: Uses its own standards as well as a quality manual and a training manual. Also uses ANSI, EIA, IPC, ASTM, and military standards.

CERTIFICATION
ACTIVITIES:

1. Conducts product testing and inspection.
2. Performs factory inspections.
3. Evaluates manufacturer's Q.A. system.

PROGRAMS
RECOGNIZED/
ACCREDITED BY: The Defense Electronic Supply Center (DESC). Also UL in connection with the National Electronic Components Quality Assessment System (NECQ) for the purpose of officially testing supplier's and manufacturer's products for QPL (Qualified Products List) listing. (SEE ECCB entry.)

COMMENTS: Also provides metallography, microbiology, radon analysis, automotive electrical continuity testing, automotive electronics and parts testing, connector testing.

AVAILABILITY
OF SERVICES: Open to all.

COST OF SERVICES: Based on actual costs.

PRODUCTS
CERTIFIED: Printed circuits, raw materials, finished printed circuits, discrete components, solder maskants, conformal coatings, solders, fluxes, plastics, rubber, paper.

PROGRAM
DOCUMENTATION
AVAILABLE:

Folder entitled, "Trace Laboratories, Independent Testing Services," containing information on the program is available from Trace Labs.

ORGANIZATION NAME: TUV AMERICA, INC.

ACRONYM: TUV

NATURE OF ORGANIZATION: Testing, consulting and certification of products for the European market. Wholly owned subsidiary of TUV Bayern, located in Munich, FRG.

ADDRESS: 5 Cherry Hill Drive, Danvers, MA 01923

PHONE NUMBER: 508-777-7999

FAX NUMBER: 508-777-8441

LOCATIONS OF TESTING FACILITIES: Danvers, MA; San Diego, CA.

PURPOSE:

- o To test and certify equipment, i.e., office, medical, industrial and electrical equipment.
- o To assure and certify compliance with safety standards for pressure vessels and tanks.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1870 in Germany.
1987 in the U.S.A.

STANDARDS USED: Uses EN, DIN, VDE, IEC, BSI, FTZ, FCC and CISPR standards.

CERTIFICATION ACTIVITIES:

1. Specific requirements are based on type of product.
2. Provides certification of various equipment to product safety standards
3. Authorizes the use of its mark and issues certificates of approval.

COMMENTS: Provides customer-oriented, high-quality testing and certification.

PROGRAMS RECOGNIZED/ACCREDITED BY: West German government, MITI, BSI and the EC.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule.

PRODUCTS CERTIFIED: Office, medical, industrial and electrical equipment and appliances; mechanical and pressure equipment.

NO. OF FACTORIES/FIRMS CERTIFIED: 800.

PRODUCT

DIRECTORIES:

A list is available.

PROGRAM

DOCUMENTATION

AVAILABLE:

A corporate brochure, newsletter, annual report is available. A more detailed list of tested products is also available.

ORGANIZATION NAME: TUV ESSEN

ACRONYM: TUV-Essen

NATURE OF ORGANIZATION: Independent testing laboratory whose parent organization (RW-TUV) was founded in 1872 in Germany. TUV-Essen has a staff of 1986 in the United States and a membership of 25.

ADDRESS: 7700 Maring Road, N. Bergen, NJ 07047

PHONE NUMBER: 201-662-9252

FAX NUMBER: 201-662-9362

TELEX: 755579

LOCATIONS OF TESTING FACILITIES: New Jersey.

PURPOSE: To certify and test equipment, appliances, and components for conformance to European and German safety requirements; and to assure compliance with safety standards.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: DIN, VDE and IEC standards.

CERTIFICATION ACTIVITIES:

1. Specific requirements are based on type of product.
2. Requires initial and periodic product testing, factory inspection, and evaluation of a manufacturer's Q.A. system.
3. Approves testing laboratories.
4. Authorizes the use of its mark and issues certificates of approval.

COMMENTS: Does not have a formal appeals procedure.

PROGRAMS RECOGNIZED/
ACCREDITED BY: West German government.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule.

PRODUCTS
CERTIFIED: Domestic and commercial appliances, computers, monitors, printers, work stations, computer peripherals, modems, data PABX, multiplexers, sports equipment, laboratory and measurement instruments, TV's, stereo and audio equipment, electromedical equipment, laser equipment and devices, robots and manufacturing units, control and monitoring equipment, assemblies and subassemblies, electronic parts and components, primary circuit components, telecommunications equipment, microwave ovens, refrigerators, power supplies, RFI filters, fans, motors, plastic, materials, tapes, mechanical equipment, medical equipment.

NO. OF FACTORIES/
FIRMS CERTIFIED: 1500.

PRODUCT
DIRECTORIES: A list of approved products/manufacturers is available.

PROGRAM
DOCUMENTATION
AVAILABLE: A brochure entitled "West German Safety Certification with Worldwide Acceptance" is available.

ORGANIZATION NAME: TUV RHEINLAND OF NORTH AMERICA, INC.

ACRONYM: TUV Rheinland

NATURE OF ORGANIZATION: TUV Rheinland has been operating as an independent, private organization since 1872, functioning as a German government approved inspection and surveillance authority. As an initial step in its long term international test and certification commitment and to improve the services to its American clientele, TUV Rheinland launched TUV Rheinland of North America, Inc. in 1980.

ADDRESS: 108 Mill Plain Road, Danbury, CT 06811

PHONE NUMBER: 203-798-0811
FAX NUMBER: 203-798-0694

LOCATIONS OF TESTING FACILITIES: Danbury, CT; Marlborough, MA; San Ramon, CA; Austin, TX; and Ontario, Canada.

PURPOSE: To solve client problems with: safety, quality and reliability of industrial plants and all types of technical equipment; environmental protection; and economic use of energy.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses DIN, VDE, ECE, EN, ISO, IEC and other standards as well as German and other regulations as appropriate.

CERTIFICATION ACTIVITIES:

1. Specific requirements are based on type of product.
2. Is authorized to test and certify over 1,500 different products under the German Equipment Safety Law and to issue the GS-Mark (Safety Tested).
3. Can test and certify compliance with the German ergonomic requirements of ZH 1/618 for specific products. Can also test for compliance with ANSI/HFS No. 100-1988, ISO DP 9241/3 and the Swedish ergonomic requirements.
4. Authorized by the Federal Ministry of Labor to test and certify all medical equipment under the German Decree on Medical Equipment.
5. Can certify compliance with German norm DIN V 66285 and with the requirements of the GGS (Software Quality Assurance Association, Frankfurt). Approved software may be eligible for the DIN-RAL Quality Mark or the QS (Qualified Software) Mark.
6. Can test and certify compliance with DIN VDE 0871, limit B and VDE 0875 on radio frequency interference (RFI). Approved products are issued the TUV Rheinland RFI-Compliance Mark.
7. Can test and certify compliance with requirements for built-in components and issue the Bauart Geprueft mark.

8. Can certify steam and pressure materials, components, and equipment for compliance with German Codes.
9. Can issue type approvals of complete automotive vehicles and vehicle components to European EEC and ECE regulations or to German national regulations in order to obtain a GS-Mark or the TUV Rheinland test mark.

PROGRAMS
RECOGNIZED/
ACCREDITED BY:

West German government, the ECE for automotive components, and the EC for products under the Low Voltage Directive. Also authorized by several Japanese ministries to serve as a testing house in connection with applications for marks of approval and factory approvals.

AVAILABILITY
OF SERVICES:

Open to all.

COST OF SERVICES:

Based on product or type of service performed.

PRODUCTS
CERTIFIED:

Boats; car accessories; computers and peripherals; electric tools; computer display work stations and terminals; computer monitors and keyboards; electrical appliances; electronic data processing equipment; furniture; electronic measuring instruments; gardening equipment; hi-fi and video equipment; household appliances; laboratory equipment; ladders and steps; lamps; lifting and conveying equipment; manual tools; office machines; playground equipment; sports and leisure equipment; toys; medical devices and equipment; components (capacitors, line filters, magnetics, motors, power supplies and switches, relays, subassemblies); motor vehicles and components; steam and pressure materials, equipment, and components; software.

PROGRAM
DOCUMENTATION
AVAILABLE:

A booklet entitled, "Advanced Technical Service Systems: Safety * Reliability * Quality," is available as well as other specific information.

ORGANIZATION NAME: UNDERWRITERS LABORATORIES, INC.

ACRONYM: UL

NATURE OF ORGANIZATION: Nonprofit independent testing laboratory founded in 1894 with a staff of over 3800.

ADDRESS: 333 Pfingsten Road, Northbrook, IL 60062

PHONE NUMBER: 312-272-8800

FAX NUMBER: 312-272-8129

TELEX: 201227

LOCATIONS OF TESTING FACILITIES: Northbrook, IL; Melville, NY; Research Triangle, NC; Santa Clara, CA.

PURPOSE: To establish, maintain, and operate laboratories for the investigation of materials, devices, products, equipment, constructions, methods, and systems with respect to hazards affecting life and property.

CERTIFICATION FUNCTION(S): Product design evaluation, program administrator and third-party certification validator.

CERTIFICATION PROGRAM(S) BEGUN: 1894.

STANDARDS USED: Uses UL standards listed in the UL Catalog of Standards. Also uses other national and international standards.

CERTIFICATION ACTIVITIES:

1. Provides initial engineering evaluation and follow-up factory testing and inspection services.
2. Requires follow-up inspection/testing for listed products.
3. Approves testing laboratories and manufacturers' testing facilities for IECQ system.
4. Has its own listing mark and lists products.
5. Has a classification service with respect to specific hazards, limitations or conditions of performance. Classified products are published in directories.
6. Has a component recognition service, and publishes recognized components in a directory.
7. Issues certificates for products where marking is impractical.
8. Has a formal appeals procedure.

PROGRAMS
RECOGNIZED/
ACCREDITED BY:

Accepted in all 50 states and in many foreign countries, including accreditation by MITI in Japan for specified products, and by VDE for the German Safety Mark. Also has agreements with other laboratories in Japan and Europe for the acceptance of UL data. Recent agreement concluded with BSI for mutual recognition of a manufacturer's Q.A. registration. UL is accredited under numerous federal, state and municipal product test and certifier accreditation programs.

AVAILABILITY
OF SERVICES:

Open to all.

COST OF SERVICES:

Fees are based on cost of services provided.

PRODUCTS
LISTED:

Building materials; fire protection equipment; electrical appliances; electrical construction materials; marine equipment; gas and oil equipment; automobile, burglary protection, and mechanical equipment; hazardous location equipment; fire resistance in building assemblies.

NO. OF FACTORIES/
FIRMS CERTIFIED:

Over 39,000 firms.

PRODUCT
DIRECTORIES:

"Building Materials," "Fire Protection Equipment," "Fire Resistance," "Recognized Component," "Electrical Appliance and Utilization Equipment," "Electrical Construction Materials," "Marine Products;" "Automotive, Burglary Protection, and Mechanical Equipment;" "Gas and Oil Equipment" are available for a fee.

ORGANIZATION NAME: UNITED STATES AUTO CLUB, INC.

ACRONYM: USAC

NATURE OF ORGANIZATION: Nonprofit independent testing laboratory founded in 1955 with a membership of 6000 and a staff of 18.

ADDRESS: 4910 W. 16th Street, Indianapolis, IN 46224

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

LOCATIONS OF TESTING FACILITIES: USAC Certification Committee Headquarters in Indianapolis, IN with numerous locations throughout the United States.

PURPOSE: To insure the betterment of the sport of automobile racing by providing certified results of products used in major motor sports competitions and international and national automotive land speed records.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1956.

STANDARDS USED: Uses SAE, ASME, ASTM, and FIA standards.

CERTIFICATION ACTIVITIES:

1. Certifies that products are actually used in racing cars.
2. Certifies automobile land speed record attempts.
3. May require initial and follow-up car/product inspection.
4. Authorizes the use of its mark and issues certificates of performance.

PROGRAMS RECOGNIZED/ACCREDITED BY: ACCUS-FIA.

AVAILABILITY OF SERVICES: Open to all entered in USAC sanctioned auto racing events and licensed membership.

COST OF SERVICES: Fixed fee schedule based on time and nature of certification.

PRODUCTS CERTIFIED: Lubricating oils, spark plugs, oil additives, tires, engine coolant, automotive safety devices, automotive batteries, automobiles.

NO. OF FACTORIES/FIRMS CERTIFIED: Approximately 450.

PROGRAM DOCUMENTATION AVAILABLE: Test results and documentation of product usage are available from USAC office.

ORGANIZATION NAME: UNITED STATES AUTO CLUB PROPERTIES, INC.
(A wholly owned subsidiary of the U.S. Auto Club, Inc.)

ACRONYM: None

NATURE OF ORGANIZATION: Independent for-profit testing laboratory, incorporated in 1969, with a staff of 10 and access to 300 other licensed officials and technicians.

ADDRESS: 4910 W. 16th Street, Indianapolis, IN 46224

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

LOCATIONS OF TESTING FACILITIES: Headquarters is in Indianapolis, IN with actual testing sites at automotive proving grounds, the Indianapolis Motor Speedway, and numerous locations throughout the United States.

PURPOSE: To offer the automotive, trucking and related industries, advertising agencies, and the private sector a proven professional testing organization, having over 30 years experience and utilizing the most current state-of-the-art computerized testing equipment.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1956 (through parent company).

STANDARDS USED: Uses USAC standards. Also uses SAE, ASME, ASTM, and ACCUS-FIA standards.

CERTIFICATION ACTIVITIES:

1. Requires product type and follow-up testing. Products to be tested are selected at random from the manufacturer's assembly lines or shipping departments and USAC seals components to assure that the product tested is representative of those offered to the general public. Such products are then impounded by USAC until testing is completed.
2. Requires initial and follow-up factory inspection and evaluation of a producer's Q.A. system.
3. Authorizes the use of its mark and issues certificates of approval.
4. Develops standards for product testing and resulting certifications.

PROGRAMS RECOGNIZED/
ACCREDITED BY: ACCUS-FIA.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined based on time and nature of certifications.

PRODUCTS
CERTIFIED: Automobiles, trucks, earth moving equipment, golf carts, tires, engine lubricants, oil additives, automobile engine testing equipment, certified fuel economy tests, batteries, car rentals - as rented general condition of cars, farm tractors, etc.

ORGANIZATION NAME: UNITED STATES GOLF ASSOCIATION

ACRONYM: USGA

NATURE OF ORGANIZATION: Nonprofit athletic organization founded in 1894 with a staff of 140.

ADDRESS: Golf House, Liberty Corner Road, Far Hills, NJ 07931

PHONE NUMBER: 201-234-2300

FAX NUMBER: 201-234-9687

LOCATIONS OF TESTING FACILITIES: Far Hills, NJ.

PURPOSE: To promote and conserve the best interests of the game of golf as embodied in its ancient and honorable traditions.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses USGA standards available from USGA.

CERTIFICATION ACTIVITIES:

1. Requires initial type testing.
2. Issues a certificate (letter) of conformance with the rules of golf.
3. Permits the use of a mark.

COMMENTS: Maintains and improves the USGA handicap and course-rating system for use by golf clubs and golf associations throughout the country.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee per ball type for ball testing for conforming list. Fixed fee per club for groove report evaluation. No charge for club evaluation regarding compliance with rules.

PRODUCTS CERTIFIED: Golf balls, golf clubs, golf tees, gloves, other golf related devices.

PRODUCT DIRECTORIES: "List of Conforming Golf Balls."

PROGRAM DOCUMENTATION AVAILABLE: Issues various publications related to golf courses and related matters.

ORGANIZATION NAME: UNITED STATES TESTING COMPANY, INC.
(SEE ALSO NATIONWIDE CONSUMER TESTING INSTITUTE)

ACRONYM: USTCo

NATURE OF ORGANIZATION: Independent testing laboratory since 1880. USTCo is a member of the SGS (Societe Generale de Surveillance) Group.

ADDRESS: 1415 Park Ave., Hoboken, NJ 07030

PHONE NUMBER: 201-792-2400 or 212-943-0488

LOCATIONS OF TESTING FACILITIES: Hoboken, NJ; Richland, WA; Tulsa, OK; and Los Angeles, CA. SGS also affiliates in North and South America, Europe, the Far East, Asia, Africa and Australia.

PURPOSE: To test, evaluate and analyze products and materials for their physical, mechanical, chemical, electrical, and burning properties. Conducts certification, follow-up testing and labeling programs for safety and performance.

CERTIFICATION FUNCTION(S): Certifier with NCTL acting as the certification program administrator, except for power mowers, lawn and garden tractors, and snow throwers where the program is sponsored by OPEI; snowmobiles and snowmobile components where the program is sponsored by SSCC; and high chairs and playpens where the program is sponsored by the JPMA.

CERTIFICATION PROGRAM(S) BEGUN: Varies depending on the product.

STANDARDS USED: Standards used include: ANSI, NFPA, UL, ASTM, MIL, FHA, CPSC, and other national or international standards.

CERTIFICATION ACTIVITIES:

1. Certification requirements of OPEI, SSCC, and JPMA programs are set by those organizations. See their entries. USTCo conducts the required testing/factory inspections/and Q.A. program evaluations.
2. Certification requirements for NCTI listing and labeling are listed under the NCTI entry. USTCo provides the data from the required testing, factory inspections, and Q.A. program evaluations to NCTI for use in its program.

PROGRAMS RECOGNIZED/ACCREDITED BY: NVLAP, California State Fire Marshall, Los Angeles City Dept. of Building and Safety-Licensee, States of Oregon and Washington.

COMMENTS: USTCo conducts testing, factory and Q.A. program evaluations for a wide range of products. Certification/listing activities are conducted by its subsidiary, the Nationwide Consumer Testing Laboratory or by OPEI, SSCC, or JPMA.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on actual costs. Prices quoted depending on the type of products and the requirements of the appropriate standards.

PRODUCTS
CERTIFIED: Power mowers, lawn and garden tractors, snow throwers, snowmobiles and snowmobile components, high chairs, playpens. See NCTI entry for additional products.

NO. OF FACTORIES/
FIRMS CERTIFIED: 60-100.

PRODUCT
DIRECTORIES: A Directory of Listed Products is published annually by NCTL.

PROGRAM
DOCUMENTATION
AVAILABLE: Additional details and illustrated brochures on testing and certification capabilities are available by calling or writing USTCo.

ORGANIZATION NAME: VARTEST INTERNATIONAL, INC.
TEXTILE TESTING SERVICES DIVISION

NATURE OF ORGANIZATION: Independent testing laboratory founded in 1968 with a staff of five.

ADDRESS: 32 West 40th Street, New York, NY 10018

PHONE NUMBER: 212-840-7023
FAX NUMBER: 212-840-7055

LOCATIONS OF TESTING FACILITIES: New York.

PURPOSE: To provide a broad range of programs for the physical, chemical and microscopical evaluation of fibers, yarns, fabrics, garments, home furnishings and other related products.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses ASTM, ANSI and Federal Standard 191. Also develops standards for client use only.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic product testing.
2. Requires initial and periodic factory inspections and evaluations of manufacturer's Q.A. system.
3. Evaluates rejected and/or defective products returned by retailers and consumers.
4. Issues certificates of approval.
5. Develops standards to test new products.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on fixed fee schedule.

PRODUCTS CERTIFIED: Yarns; spun and filament fabrics; woven, knitted, printed and nonwoven fabrics for apparel, home furnishings and industrial end uses.

ORGANIZATION NAME: WARNOCK HERSEY INTERNATIONAL, INC.

ACRONYM: WHI

NATURE OF ORGANIZATION: An independent test laboratory founded in 1888 with a staff of over 200.

ADDRESS: 1101 Loveridge Rd., Pittsburg, CA 94565

PHONE NUMBER: 415-432-7344

FAX NUMBER: 415-432-3576

LOCATIONS OF TESTING FACILITIES: Long Beach and Pittsburg, CA; Middleton, WI; Severna Park, MD; Buffalo, NY; Mississauga, Ontario, Canada; LaSalle, PQ, Canada; Coquitlam, BC, Canada.

PURPOSE: To test and certify products, component systems, and services for safety and performance.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1954.

STANDARDS USED: Uses ASTM, UL, ULC, ANSI, NFPA, NWWDA, AWWA, and UBC standards.

CERTIFICATION ACTIVITIES:

1. Requires initial type testing and follow-up testing.
2. Requires initial and periodic factory inspections and evaluation of a manufacturer's Q.A. system by WHI.
3. Issues certificates of approval and authorizes the use of its mark.
4. Publishes approved product/manufacturer directories.
5. Has a formal appeals procedure.

PROGRAMS RECOGNIZED/ACCREDITED BY: WHI has over 300 recognitions including ICBO, CABO, EPA, HUD, and SCC.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedules.

PRODUCTS CERTIFIED: Vertical and horizontal fire rated assemblies, gas appliances, solid fuel burning appliances, flame spread, roofing materials, windows, doors, smoke control assemblies, plumbing products, treated wood, skylights, sun rooms, various other building materials and products.

NO. OF FACTORIES/FIRMS CERTIFIED: 800.

PRODUCT

DIRECTORIES:

Warnock Hersey Certification Listings.

PROGRAM

DOCUMENTATION

AVAILABLE:

Individual fliers and brochures on WHI's program are available.

ORGANIZATION NAME: WATER QUALITY ASSOCIATION

ACRONYM: WQA

NATURE OF ORGANIZATION: Trade association founded in 1974 with a membership of approximately 2500.

ADDRESS: 4151 Naperville Road, Lisle, IL 60532

PHONE NUMBER: 312-369-1600

LOCATIONS OF TESTING FACILITIES: 4151 Naperville Road, Lisle, IL 60532.

PURPOSE: To promote the acceptance and use of industry equipment, products, and services; and to conduct such activities as might improve economy and efficiency within the industry.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

STANDARDS USED: Uses WQA standards available from WQA. Also uses NSF standards, the National Electrical Code and FDA standards.

CERTIFICATION ACTIVITIES:

1. Initial product testing as voluntarily requested by manufacturer.
2. Requires follow-up testing every 5 years or as deemed necessary for voluntary validation program.
3. Issues a certificate of compliance and authorizes the use of its mark.
4. Publishes approved product/manufacturer directories.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on annual fee schedule.

PRODUCTS CERTIFIED: Water softeners -- domestic and commercial, water filters --domestic and commercial, reverse osmosis/distillation devices.

PROGRAM DOCUMENTATION AVAILABLE: "Guide for Product Validation Program" is available free from WQA.

ORGANIZATION NAME: WESTERN HARDWOOD ASSOCIATION

ACRONYM: WHA

NATURE OF ORGANIZATION: Trade association founded in 1955 with a membership of 75 and a staff of three.

ADDRESS: 133 S.W. 2nd, Portland, OR 97204

PHONE NUMBER: 503-243-2094

PURPOSE: To procure, conserve and promote Northwest hardwoods; to elevate hardwoods of the Northwest to a position of high demand for use in case goods, upholstered furniture, cabinets, pallets, pulp for paper products and many other uses.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: 1972.

STANDARDS USED: Uses the National Hardwood Lumber Association grading rules available from WHA.

CERTIFICATION ACTIVITIES: 1. Inspects and grades hardwoods through private agency.
2. Authorizes the use of its mark.

AVAILABILITY OF SERVICES: Open to members and non-members.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Hardwoods.

NO. OF FACTORIES/
FIRMS CERTIFIED: Nine firms.

PRODUCT DIRECTORIES: None.

ORGANIZATION NAME: WESTERN WOOD PRODUCTS ASSOCIATION

ACRONYM: WWPA

NATURE OF ORGANIZATION: Trade association founded in 1964 with a membership of approximately 250.

ADDRESS: Yeon Building, 522 SW Fifth Ave., Portland, OR 97204-2122

PHONE NUMBER: 503-224-3930

LOCATIONS OF TESTING FACILITIES: Inspects only.

PURPOSE: To develop technical data to describe the qualities and uses of Western woods; to disseminate information on the merits and applications of Western lumber; and to develop standards of size and quality for Western lumber.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: Pre-1930.

STANDARDS USED: Uses WWPA grading standards which are available from WWPA. Also uses VPS standard 20-70, grading rules for the West Coast Lumber Inspection Bureau (WCLIB) and the Pacific Lumber Inspection Bureau (PLIB), and ASTM standards.

CERTIFICATION ACTIVITIES:

1. Requires initial and periodic follow-up testing by WWPA inspectors.
2. Has a buyer/seller dispute resolution procedure.
3. Authorizes use of its mark and issues certificates of compliance.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to any lumber manufacturer in the 12 Western states.

COST OF SERVICES: At cost.

PRODUCTS CERTIFIED: Glued products, machine stress-rated Western lumber, Western lumber.

NO. OF FACTORIES/FIRMS CERTIFIED: WWPA inspects about 40% of all softwood lumber produced in the United States.

PROGRAM DOCUMENTATION AVAILABLE: "Western Lumber Grading Rules," "Glued Products: Procedures for Certification and Quality Control," and "Machine Stress Rated Western Lumber: Procedures for Certification and Quality Control" are available from WWPA for a fee.

ORGANIZATION NAME: WOOD MOULDING & MILLWORK PRODUCERS ASSOCIATION

ACRONYM: WMMPA

NATURE OF ORGANIZATION: Professional/trade association founded in 1963 with a membership of 48 and a staff of four.

ADDRESS: 1730 SW Skyline Blvd., Suite 128, Portland, OR 97221 or P.O. Box 25278, Portland, OR 97225

PHONE NUMBER: 503-292-9288

LOCATIONS OF TESTING FACILITIES: Fire-rated exterior wood door frames only are tested by Warnock Hersey in Antioch, CA.

PURPOSE: To represent manufacturers of wood moldings, door jambs, and related products; to provide those functions that an independent company cannot provide for itself; and to develop and maintain all industry standards.

CERTIFICATION FUNCTION(S): Program administrator.

CERTIFICATION PROGRAM(S) BEGUN: Fire-rated exterior wood door frames - May, 1983.
Wood moldings and jambs - 1981 certification for non-structural laminated or finger jointed wood under WM 5-81.
Vinyl-Wrapped Interior Moulding & Millwork - under WM 2-82.

STANDARDS USED: Fire-rated exterior wood door frames - WM 8-83 and UBC 43.2.
Non-structural laminated or finger jointed wood - WM 5-81 and ASTM D-3110-72.
Vinyl-wrapped interior moulding & millwork - WM 2-82 and ASA Z34.1-47R-75.

CERTIFICATION ACTIVITIES:

- A. FIRE-RATED WOOD DOOR FRAMES UNDER WM 8-83
 1. Requires testing by an approved laboratory.
 2. Requires initial and periodic factory inspection including evaluation of a producer's Q.A. system.
 3. Authorizes the use of its mark for members only and issues certificates of approval.
 4. Publishes approved product/manufacturer list.
- B. NON-STRUCTURAL LAMINATED OR FINGER JOINTED WOOD, WM 5-81
 1. Requires initial inspection and testing and two annual products tests and inspections by an approved inspection agency.
 2. Authorizes the use of its registered trademark for members only and issues certificates of approval.
 3. Maintains a list of approved adhesives.

- C. VINYL-WRAPPED INTERIOR MOULDING & MILLWORK, WM 2-82
1. Requires initial inspection and periodic inspections and testing every 6 months by an approved testing laboratory.
 2. Authorizes the use of its registered trademark for members only and issues certificates of approval.
 3. Publishes approved product/manufacturer directories of members only.

COMMENTS:

Each of the three programs has its own requirements. There is no formal appeals procedure.

AVAILABILITY
OF SERVICES:

Certification under WM 3-83 is open to members only. Certification under WM 5-81 and WM 2-82 is open to all.

COST OF SERVICES:

Certification under WM 3-83 has individually determined costs. Certification under WM 2-82 and WM 5-81 is free to members and has a fixed fee schedule for non-members.

PRODUCTS
CERTIFIED:

Exterior wood frame doors, wood moldings, wood jambs.

PRODUCT
DIRECTORIES:

A listing of approved exterior door frames, under WM 8-83, is available free upon request. A directory of all WMMPA members and services is available for \$2.50.

PROGRAM
DOCUMENTATION
AVAILABLE:

Information on the certification systems is contained in the appropriate WMMPA standards.

ORGANIZATION NAME: THE WOOL BUREAU, INC.

ACRONYM: None.

NATURE OF ORGANIZATION: Trade association founded in 1937 with 942 licensees and a staff of 85.

ADDRESS: 360 Lexington Ave., New York, NY 10017-6572

PHONE NUMBER: 212-986-6222 (Executive Office) or 516-364-0890 (Laboratory)

LOCATIONS OF TESTING FACILITIES: The Wool Bureau Inc., Technical Services Center, 225 Crossways Park Dr., Woodbury, NY 11797.

PURPOSE: To certify products for eligibility for the Bureau's registered certification trademarks.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1963.

STANDARDS USED: Uses internal standards.

CERTIFICATION ACTIVITIES:

1. Requires initial type testing and periodic follow-up testing.
2. Requires periodic factory inspections.
3. Requires testing of retail purchases.
4. Issues certificates of approval.
5. Authorizes the use of its mark.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Testing services are available to the entire wool industry, but certification is limited to licensees.

PRODUCTS CERTIFIED: Fabrics/garments composed of 100% Virgin Wool, fabrics/garments composed of 60% or more Virgin Wool blended with other fibers.

NO. OF FACTORIES/FIRMS CERTIFIED: 942 licensees.

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2. ACRONYM/INITIALS LISTING

A

AAMA-----AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION
AAMMC-----AMERICAN ASSOCIATION OF MEDICAL MILK COMMISSIONS, INC.
AARS-----ALL-AMERICA ROSE SELECTIONS, INC.
AAS-----ALL-AMERICA SELECTIONS
AATCC-----AMERICAN ASSOCIATION OF TEXTILE CHEMISTS & COLORISTS
ABS-----AMERICAN BUREAU OF SHIPPING
ABYC-----AMERICAN BOAT & YACHT COUNCIL
ACI-----AMERICAN CONCRETE INSTITUTE
ACCUS-----AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA
ADA-----AMERICAN DENTAL ASSOCIATION
ADC-----AIR DIFFUSION COUNCIL
ADCI-----AMERICAN DIE CASTING INSTITUTE -- NOW CALLED NADCA
ADR-----EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS
 GOODS BY ROAD
AGA-----AMERICAN GAS ASSOCIATION
AGTL-----ARNOLD GREENE TESTING LABORATORIES
AHA-----AMERICAN HARDBOARD ASSOCIATION
AHAM-----ASSOCIATION OF HOME APPLIANCE MANUFACTURERS
AIA-----AMERICAN INSTITUTE OF ARCHITECTS
AISC-----AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI-----AMERICAN IRON AND STEEL INSTITUTE
AITC-----AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ALI-----ASSOCIATED LABORATORIES, INC.
ALSC-----AMERICAN LUMBER STANDARDS COMMITTEE
AMCA-----AIR MOVEMENT AND CONTROL ASSOCIATION
ANA-----AMERICAN NUMISMATIC ASSOCIATION CERTIFICATION SERVICE
ANS-----AMERICAN NUCLEAR SOCIETY
ANS-----AMERICAN NATIONAL STANDARD
ANSI-----AMERICAN NATIONAL STANDARDS INSTITUTE
APA-----AMERICAN PLYWOOD ASSOCIATION
APHA-----AMERICAN PUBLIC HEALTH ASSOCIATION, INC.
API-----AMERICAN PETROLEUM INSTITUTE
ARI-----AIR-CONDITIONING & REFRIGERATION INSTITUTE
ARL-----APPLIED RESEARCH LABORATORIES
ASAE-----AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS
ASHRAE-----AMERICAN SOCIETY OF HEATING, REFRIGERATING & AIR-CONDITIONING
 ENGINEERS, INC.
ASM-----AMERICAN SHEET METAL, ALUMINUM ASSOCIATION
ASM-----AMERICAN SOCIETY FOR METALS
ASME-----AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASSE-----AMERICAN SOCIETY OF SANITARY ENGINEERING
ASTM-----AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATP-----AGREEMENT ON THE INTERNATIONAL CARRIAGE OF PERISHABLE FOODSTUFFS AND ON
 THE SPECIAL EQUIPMENT TO BE USED FOR SUCH CARRIAGE
AWI-----ARCHITECTURAL WOODWORK INSTITUTE
AWPA-----AMERICAN WOOD PRESERVERS' ASSOCIATION
AWPB-----AMERICAN WOOD PRESERVERS BUREAU
AWS-----AMERICAN WELDING SOCIETY
AWWA-----AMERICAN WATER WORKS ASSOCIATION, INC.

B

BHMA-----BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.
BIA-----BOATING INDUSTRY ASSOCIATIONS, SEE NMMA
BISSC-----BAKING INDUSTRY SANITATION STANDARDS COMMITTEE
BOCA-----BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
BSI-----BRITISH STANDARDS INSTITUTION

C

CABO-----COUNCIL OF AMERICAN BUILDING OFFICIALS (SEE NATIONAL EVALUATION SERVICE)
CAE-----CENTER FOR AGRICULTURAL EQUIPMENT
CAPA-----CERTIFIED AUTOMOTIVE PARTS ASSOCIATION
CBM-----CERTIFIED BALLAST MANUFACTURERS
CCITT-----INTERNATIONAL TELEGRAPH AND TELEPHONE CONSULTATIVE COMMITTEE OF THE ITU
CFR-----CODE OF FEDERAL REGULATIONS
CIM-----INTERNATIONAL CONVENTION CONCERNING THE CARRIAGE OF GOODS BY RAIL
CISEP-----CELLULOSE INDUSTRY STANDARDS ENFORCEMENT PROGRAM
CISPI-----CAST IRON SOIL PIPE INSTITUTE
CISPR-----INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE OF IEC
CLIS-----CALIFORNIA LUMBER INSPECTION SERVICE
CMI-----CULTURED MARBLE INSTITUTE
CMRSI-----C.M. ROU SERVICES, INC.
COS-----CORPORATION FOR OPEN SYSTEMS INTERNATIONAL
CPSC-----CONSUMER PRODUCT SAFETY COMMISSION
CRA-----CALIFORNIA REDWOOD ASSOCIATION, SEE REDWOOD INSPECTION SERVICE
CSA-----CANADIAN STANDARDS ASSOCIATION
CSC-----INTERNATIONAL CONVENTION FOR SAFE CONTAINERS
CTI-----COOLING TOWER INSTITUTE

D

DESC-----DEFENSE ELECTRONIC SUPPLY CENTER
DFA OF CA-----DRIED FRUIT ASSOCIATION OF CA
DIN-----DEUTSCHE INDUSTRIE-NORMEN (GERMAN INDUSTRIAL STANDARDS)
DLPA-----DECORATIVE LAMINATE PRODUCTS ASSOCIATION
DOD-----DEPARTMENT OF DEFENSE
DOE-----DEPARTMENT OF ENERGY
DOT-----DEPARTMENT OF TRANSPORTATION
DSG-----DASH, STRAUS AND GOODHUE, INC.
DTL-----DETROIT TESTING LABORATORY

E

EC-----EUROPEAN COMMUNITY
ECCB-----ELECTRONIC COMPONENTS CERTIFICATION BOARD
ECE-----ECONOMIC COMMISSION FOR EUROPE
EIA-----ELECTRONIC INDUSTRIES ASSOCIATION
EMACO-----EMACO, INC.
EMC-----ELECTROMAGNETIC CONDUCTIVITY
EMI-----ELECTROMAGNETIC INTERFERENCE
EN-----EUROPEAN NORM (STANDARD)
EPA-----ENVIRONMENTAL PROTECTION AGENCY
ETL-----ETL TESTING LABORATORIES, INC.

ETIM/

SMVTI-----ENERGY TESTING LABORATORY OF MAINE/SOUTHERN MAINE VOCATIONAL
TECHNICAL INSTITUTE

F

FAR-----FEDERAL AIR REGULATION
FCC-----FEDERAL COMMUNICATIONS COMMISSION
FDA-----FOOD AND DRUG ADMINISTRATION, DEPT. OF HEALTH AND HUMAN SERVICES
FHA-----FEDERAL HOUSING ADMINISTRATION, DEPT. OF HOUSING AND URBAN DEVELOPMENT
FIA-----FEDERATION INTERNATIONALE DE L'AUTOMOBILE
FIEI-----FARM AND INDUSTRIAL EQUIPMENT INSTITUTE
FM-----FACTORY MUTUAL RESEARCH CORPORATION
FMRC-----FACTORY MUTUAL RESEARCH CORPORATION
FMVSS-----FEDERAL MOTOR VEHICLE SAFETY STANDARD, NHTSA, DOT
FTC-----FEDERAL TRADE COMMISSION
FTI-----FACING TILE INSTITUTE
FTZ-----FERNMELDETECHNISCHES ZENTRALAMT (TELECOMMUNICATIONS CENTRAL EXCHANGE
IN GERMANY)

G

GAMA-----GAS APPLIANCE MANUFACTURERS ASSOCIATION, INC.
GMC-----GENERAL MOTORS CORPORATION
GPO-----GOVERNMENT PRINTING OFFICE
GSA-----GENERAL SERVICES ADMINISTRATION

H

HDMA-----HARDWOOD DIMENSION MANUFACTURERS ASSOCIATION, SEE NDMA
HECC-----HOCKEY EQUIPMENT CERTIFICATION COUNCIL
HI-----HYDRONICS INSTITUTE
HPMA-----HARDWOOD PLYWOOD MANUFACTURERS ASSOCIATION
HSB-----HARTFORD STEAM BOILER INSPECTION AND INSURANCE CO.
HUD-----DEPT. OF HOUSING AND URBAN DEVELOPMENT
HVI-----HOME VENTILATING INSTITUTE

I

IAPMO-----INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
IBCC-----INTERNATIONAL BUILDING CLASSIFICATION COMMITTEE
I=B=R-----HYDRONICS INSTITUTE
ICAO-----INTERNATIONAL CIVIL AVIATION ORGANIZATION
ICBO-----INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
ICGB-----INTERNATIONAL CARGO GEAR BUREAU, INC.
ICTA-----INDUSTRY COUNCIL FOR TANGIBLE ASSETS
IEC-----INTERNATIONAL ELECTROTECHNICAL COMMISSION
IECQ-----IEC QUALITY ASSESSMENT SYSTEM FOR ELECTRONIC COMPONENTS
IEEE-----INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IGCC-----INSULATING GLASS CERTIFICATION COUNCIL
IMCO-----SEE IMO
IMDG-----INTERNATIONAL MARITIME DANGEROUS GOODS CODE
IMO-----INTERNATIONAL MARITIME ORGANIZATION (FORMERLY IMCO)
INCARGEAR-INTERNATIONAL CARGO GEAR BUREAU, INC.

IPC-----INSTITUTE FOR INTERCONNECTING AND PACKAGING ELECTRONIC CIRCUITS
ISDSI-----INSULATED STEEL DOOR SYSTEMS INSTITUTE
ISEA-----INDUSTRIAL SAFETY EQUIPMENT ASSOCIATION
ISO-----INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ITL-----INDUSTRIAL TESTING LABORATORIES, INC.

J, K & L

JPMA-----JUVENILE PRODUCTS MANUFACTURERS ASSOCIATION

M

MET-----MET ELECTRICAL TESTING CO.
MFMA-----MAPLE FLOORING MANUFACTURERS ASSOCIATION
MIL STD---MILITARY STANDARD
MIL SPEC--MILITARY SPECIFICATION
MITI-----MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY IN JAPAN
MMC-----MERCHANT MARINE COUNCIL
MMC-----MATERIAL MANAGEMENT CENTER

N

NACE-----NATIONAL ASSOCIATION OF CORROSION ENGINEERS
NADCA-----NORTH AMERICAN DIE CASTING ASSOCIATION
NAHB-----NATIONAL ASSOCIATION OF HOME BUILDERS
NAHB/NRC--NAHB NATIONAL RESEARCH CENTER, NATIONAL ASSOCIATION OF HOME BUILDERS
NAMA-----NATIONAL AUTOMATIC MERCHANDISING ASSOCIATION
NAR-----NATIONAL ASSOCIATION OF ROCKETRY
NASA-----NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
NATO-----NORTH ATLANTIC TREATY ORGANIZATION
NAVFEC---NAVAL FACILITIES ENGINEERING COMMAND
NBBI-----NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS
NBIC-----NATIONAL BOARD INSPECTION CODES
NBS-----NATIONAL BUREAU OF STANDARDS now the NATIONAL INSTITUTE OF STANDARDS
AND TECHNOLOGY
NCSBCS----NATIONAL CONFERENCE OF STATES ON BUILDING CODES AND STANDARDS
NCTI-----NATIONWIDE CONSUMER TESTING INSTITUTE, UNITED STATES TESTING COMPANY
NCTL-----NATIONAL CERTIFIED TESTING LABORATORIES
NDMA-----NATIONAL DIMENSION MANUFACTURERS ASSOCIATION
NEC-----NATIONAL ELECTRICAL CODE
NECQ-----NATIONAL ELECTRONIC COMPONENT QUALITY ASSESSMENT SYSTEM - SEE ECCB
NeLMA-----NORTHEASTERN LUMBER MANUFACTURERS ASSOCIATION
NEMA-----NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NER-----NATIONAL EVALUATION REPORTS
NES-----NATIONAL EVALUATION SERVICE, CABO
NETA-----NATIONAL ELECTRICAL TESTING ASSOCIATION
NFPA-----NATIONAL FLUID POWER ASSOCIATION
NFPA-----NATIONAL FIRE PROTECTION ASSOCIATION
NGC-----NUMISMATIC GUARANTY CORP. OF AMERICA
NHLA-----NATIONAL HARDWOOD LUMBER ASSOCIATION
NHFMA-----NORTHERN HARDWOOD AND PINE MANUFACTURERS ASSOCIATION, INC.
NHTSA-----NATIONAL HIGHWAY TRANSPORTATION SAFETY ADMIN., DEPT. OF TRANS.
NIBS-----NATIONAL INSTITUTE OF BUILDING SCIENCES
NIOSH-----NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NIST-----NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (formerly the NATIONAL
BUREAU OF STANDARDS)

NKCA-----NATIONAL KITCHEN CABINET ASSOCIATION
 NMFC-----NATIONAL MOTOR FREIGHT CLASSIFICATION
 NMMA-----NATIONAL MARINE MANUFACTURER'S ASSOCIATION
 NOFMA-----NATIONAL OAK FLOORING MANUFACTURERS ASSOCIATION
 NPA-----NATIONAL PARTICLEBOARD ASSOCIATION
 NRC-----NATIONAL RESEARCH CENTER, NAHB
 NRC-----NUCLEAR REGULATORY COMMISSION
 NRTL-----NATIONALLY RECOGNIZED TESTING LABORATORY
 NSF-----NATIONAL SANITATION FOUNDATION
 NSTA-----NATIONAL SAFE TRANSIT ASSOCIATION
 NVLAP-----NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM, NIST
 NWL-----NORTHWEST LABORATORIES OF SEATTLE, INC.
 NWMA-----NATIONAL WOODWORK MANUFACTURERS ASSOCIATION, INC., SEE NWWDA
 NWWDA-----NATIONAL WOOD WINDOW & DOOR ASSOCIATION

O & P

OECD-----ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT
 OPEI-----OUTDOOR POWER EQUIPMENT INSTITUTE, INC.
 OPL-----OMEGA POINT LABORATORIES, INC.
 OSHA-----OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPT. OF LABOR
 PAD-----PITLESS ADAPTER DIVISION, WATER SYSTEMS COUNCIL
 PCA-----PORTLAND CEMENT ASSOCIATION
 PCGS-----PROFESSIONAL COIN GRADING SERVICE
 PCI-----PRECAST/PRESTRESSED CONCRETE INSTITUTE
 PDI-----PLUMBING AND DRAINAGE INSTITUTE
 PFS-----PFS CORPORATION
 PIRL-----PACIFIC INSPECTION AND RESEARCH LABORATORY, INC.
 PLI-----PULVER LABORATORIES, INC.
 PLI/TID----PULVER LABORATORIES, INC., TECHNICAL INFORMATION DIVISION
 PLIB-----PACIFIC LUMBER INSPECTION BUREAU
 PSI-----PROFESSIONAL SERVICE INDUSTRIES
 PTL-----PITTSBURGH TESTING LABORATORY DIVISION, SEE PROFESSIONAL SERVICE
 INDUSTRIES
 PTS-----PACKAGE TESTING SERVICES/ECOLAB, INC.

Q & R

QA-----QUALITY ASSURANCE
 QPL-----QUALIFIED PRODUCTS LIST
 RADCO-----RESOURCES APPLICATIONS, DESIGN & CONTROLS, INC.
 RCHSB-----RED CEDAR SHINGLE AND HANDSPLIT SHAKE BUREAU
 REA-----RURAL ELECTRIFICATION ADMINISTRATION, DEPT. OF AGRICULTURE
 RFI-----RADIO FREQUENCY INTERFERENCE
 RID-----INTERNATIONAL REGULATIONS CONCERNING THE CARRIAGE OF DANGEROUS GOODS BY
 RAIL
 RIS-----REDWOOD INSPECTION SERVICE
 RTI-----REPLICATION TECHNOLOGY, INC
 RV-----RECREATIONAL VEHICLE
 RVF &
 ASSOC.----FITZSIMMONS & ASSOCIATES INC.

RVRA/RVDA-RECREATION VEHICLE RENTAL ASSOCIATION, A DIVISION OF THE
RECREATION VEHICLE DEALERS ASSOCIATION -- CERTIFICATION PROGRAM
CANCELLED
RWIUV-----RHEINISCH-WESTFALISCHER TECHNISCHER UBERWACHUNGS-VEREIN, SEE RTI

S

SAA-----STANDARDS ASSOCIATION OF AUSTRALIA
SAE-----SOCIETY OF AUTOMOTIVE ENGINEERS
SBCCI-----SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL, INC.
SCC-----STANDARDS COUNCIL OF CANADA
SEI-----SAFETY EQUIPMENT INSTITUTE
SGCC-----SAFETY GLAZING CERTIFICATION COUNCIL
SIB-----SOFTWOOD INSPECTION BUREAU, NORTHERN HARDWOOD AND PINE MANUFACTURERS
ASSOCIATION
SIGMA-----SEALED INSULATING GLASS MANUFACTURERS ASSOCIATION
SJI-----STEEL JOIST INSTITUTE
SMF-----SNELL MEMORIAL FOUNDATION
SMVTI-----SOUTHERN MAINE VOCATIONAL TECHNICAL INSTITUTE --SEE ETIM
SPI-----SOCIETY OF THE PLASTICS INDUSTRY, INC.
SPIB-----SOUTHERN PINE INSPECTION BUREAU
SRCC-----SOLAR RATING AND CERTIFICATION CORPORATION
SSCC-----SNOWMOBILE SAFETY AND CERTIFICATION COMMITTEE, INC.
SSPC-----STEEL STRUCTURES PAINTING COUNCIL
SSPMA-----SUMP AND SEWAGE PUMP MANUFACTURERS ASSOCIATION
STI-----STEEL TANK INSTITUTE
SWCS-----SOUTHWEST CERTIFICATION SERVICES, INC. - NOW OMEGA POINT LABS

T

TAPPI-----TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY
TCA-----TILE COUNCIL OF AMERICA, INC.
TCT-----AUSTRALIAN DEPT. OF HEALTH WOOD TREATMENT REGULATIONS
TECO-----TIMBERCO, INC.
TEES-----TEXAS ENGINEERING EXPERIMENT STATION, TEXAS A & M UNIVERSITY
TID-----TECHNICAL INFORMATION DIVISION, PULVER LABORATORIES, INC.
TIR-----CUSTOMS CONVENTION ON THE INTERNATIONAL TRANSPORT OF GOODS UNDER COVER
OF TIR CARNETS
TPI-----TRUSS PLATE INSTITUTE
TRI-----THE REFRACTORIES INSTITUTE
TTL-----NEBRASKA TRACTOR TESTING LABORATORY, SEE CAE
TUV-----TUV AMERICA, INC.
TUV-Essen-TUV ESSEN
TUV
Rheinland-TUV RHEINLAND OF NORTH AMERICA, INC.
TVA-----TENNESSEE VALLEY AUTHORITY

U

UBC-----UNIFORM BUILDING CODE
UIC-----INTERNATIONAL UNION OF RAILWAYS
UL-----UNDERWRITERS LABORATORIES, INC.
ULC-----UNDERWRITERS LABORATORIES OF CANADA
USAC-----UNITED STATES AUTO CLUB, INC.
USCG-----UNITED STATES COAST GUARD

USDA-----U.S. DEPARTMENT OF AGRICULTURE
USGA-----UNITED STATES GOLF ASSOCIATION
USCG-----U.S. COAST GUARD
USTCo-----UNITED STATES TESTING COMPANY, INC.

V

VBP-----VINYL BUILDING PRODUCTS, INC.-CERTIFICATION PROGRAM WAS DISCONTINUED
VDE-----VERBAND DEUTSCHER ELEKTROTECHNIKER
VPS-----VOLUNTARY PRODUCT STANDARD

W, X, Y & Z

WCLIB-----WEST COAST LUMBER INSPECTION BUREAU
WHA-----WESTERN HARDWOOD ASSOCIATION
WHA-----WOOD HEATING ALLIANCE -- PROGRAM WAS DISCONTINUED
WHI-----WARNOCK HERSEY INTERNATIONAL, INC.
WMMPA-----WOOD MOULDING & MILLWORK PRODUCERS ASSOCIATION
WQA-----WATER QUALITY ASSOCIATION
WSC-----WATER SYSTEMS COUNCIL
WTCA-----WOOD TRUSS COUNCIL OF AMERICA
WWPA-----WESTERN WOOD PRODUCTS ASSOCIATION
ZI-----ZINC INSTITUTE -- DEFUNCT SINCE 1988

3. ORGANIZATIONAL INDEX BY PRODUCT CERTIFIED

PRODUCTS ARE LISTED AND ENTRIES REFERENCED ACCORDING TO THE MANNER USED BY EACH ORGANIZATION TO CATEGORIZE THE PRODUCTS THEY CERTIFY. TO DETERMINE ALL ORGANIZATIONS WHICH MIGHT CERTIFY A SPECIFIC PRODUCT, IT IS NECESSARY TO LOOK UNDER THAT PRODUCT AS WELL UNDER ANY MAJOR PRODUCT GROUPING TO WHICH THE PRODUCT MAY BELONG. SOME ORGANIZATIONS, FOR EXAMPLE, INDICATED THAT THEY CERTIFY PLUMBING PRODUCTS IN GENERAL AND ARE LISTED UNDER "PLUMBING FIXTURES, MATERIALS AND SYSTEMS." OTHER ORGANIZATIONS MAY HAVE LISTED THE SPECIFIC PLUMBING PRODUCT OR PRODUCTS THAT THEY CERTIFY AND THEY WOULD BE LISTED UNDER SUCH CATEGORIES AS: "BACKFLOW PREVENTERS" OR "BATHTUBS."

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APPENDIX I
INFORMATION AND PUBLICATIONS
AVAILABLE FROM

Office of Standards Code and Information (OSCI)
National Institute of Standards and Technology
Administration Building, Room A629
Gaithersburg, MD 20899
(301) 975-4029

o The ABC's of Standards-Related Activities in the United States (NBSIR 87-3576)
This report provides an introduction to voluntary standardization, product certification and laboratory accreditation for a reader who is not fully familiar with these topics. It highlights 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 as PB 87-224309 from NTIS.

o The ABC's of Certification Activities in the United States (NBSIR 88-3821)
This report, a sequel to NBSIR 87-3576, The ABC's of Standards-Related Activities in the United States, provides a further introduction to certification for a reader who is 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 as PB 88-239793 from NTIS.

o Directory of Organizations and Standards that Affect the Movement of Telecommunications Information for Ten Pacific Rim Countries (NISTIR 88-4015)
This directory contains information on foreign organizations and standards that affect the movement of telecommunications data for ten Pacific Rim countries -- Australia, Hong Kong, Indonesia, Republic of Korea, Malaysia, New Zealand, Philippines, Singapore, Taiwan, and Thailand. The information includes: the name, address, phone, and fax numbers of each national organization having telecom responsibilities; the type of authority assigned to the organization; identification of the law or statute providing the authority; a description of the telecom data flow functions and activities; identification of the significant regulations or standards used; and information concerning other standards-related responsibilities, such as licensing, testing, inspection, certification, accreditation and registration.

o Functions of the NIST Associate Director for Industry and Standards
This paper describes the standardization and metrological activities of the office of the Associate Director for Industry and Standards (ADIS) and its five coordinated programs: the Office of Standards Code and Information, the Office of Standards Management, the Office of Weights and Measures, the Office of Research and Technology Applications and the National Voluntary Laboratory Accreditation Program. Available upon request from SCI.

o 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.

o Standards Activities of Organizations in the United States (NBS SP 681)

The directory summarizes the standardization activities of more than 750 organizations in the United States, including federal and state agencies and approximately 420 private sector groups that develop standards. It also contains listings of state procurement offices, sources of standards documents and information, a subject index and related listings that cover acronyms and initials, defunct bodies and organizations with name changes. Order as PB 85-106151 from NTIS. Copies may also be purchased from Global Engineering Documents, 2805 McGaw Ave., P.O. Box 19539, Irvine, CA 92714; (714) 261-1455.

o Directory of U.S. Private Sector Product Certification Programs (NIST SP 774)

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, product certified, standards used, certification requirements, availability and cost of services, and other relevant details.

o Directory of Federal Government Certification Programs (NBS SP 739)

This directory presents information on U.S. Government certification programs for products and services. Entries describe the scope and nature of each certification program, testing and inspection practices, standards used, methods of identification and enforcement, reciprocal recognition or acceptance of certification, and other relevant details. Order as SN 003-003-02852-5 from GPO.

o Barriers Encountered by U.S. Exporters of Telecommunications Equipment (NBSIR 87-3641)

This report addresses the perceived institution of unreasonable technical trade barriers by major European trading partners to the export of telecom products and systems by U.S. companies. The GATT technical office, which has responsibilities to assist U.S. exporters to take advantage of trade opportunities, informally contacted over a period of 6 months, telecom companies and agencies to assess the extent of unreasonableness in foreign national standards, regulations, testing and certification requirements, and accreditation procedures. Order as PB 88-153630 from NTIS.

o A Review of U.S. Participation in International Standards Activities (NBSIR 88-3698)

This report describes the role of international standards, their increasingly significant importance in world trade, and the extent of past and current U.S. participation in the two major international standardization bodies - ISO and SEC. The degree of U.S. participation covers the 20-year period 1966-1986. A coarse analysis of data indicates some correlation between U.S. participation and recent export performance for several major product categories. Order as PB 88-164165 from NTIS.

o An Update of U.S. Participation in International Standards Activities
(NISTIR 89-4124)

This report presents updated information on the current level of U.S. participation in the two major international standardization bodies; ISO and IEC. Data on the new ISO/IEC Joint Technical Committee 1 (JTC 1) on Information Technology are also presented.

o A Summary of the New European Community Approach to Standards Development
(NBSIR 88-3793-1)

This paper summarizes European Community (EC) plans to aggressively pursue its goal of achieving an "internal market" by 1992 and the standards-related implications of such a program on U.S. exporters. Order as PB 88-229489/AS from NTIS.

o KWIC Index (Computer Output Microform (COM) produced)

The KWIC Index contains the titles of more than 28,000 U.S. voluntary product and engineering standards. A standard can be located by means of any significant or key word in the title. Key words are arranged alphabetically. A standard with five key words, for example, would therefore be listed in five different places. To purchase microfiche copies of the latest revision of the Index, contact the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161; (703) 487-4600. Use order no. PB 88-145560, cost \$14.50.

The following documents are available upon request from SCI.

o tbt news

This newsletter provides information on government programs and available services established in support of the GATT Agreement on Technical Barriers to Trade (Standards Code). The tbt news reports on the latest notifications of proposed foreign regulations; bilateral consultations with major U.S. trade partners; programs of interest to U.S. exporters; and availability of standards and certification information. Subscription is free upon request.

o Technical Barriers to Trade

This booklet explains the basic rules of the international Agreement on Technical Barriers to Trade negotiated during the Tokyo Round of the Multilateral Trade Negotiations (MTN), and describes Title IV of the U.S. Trade Agreements Act of 1979 which implements the United States' obligations under the Agreement. The Agreement, popularly known as the Standards Code, was designed to eliminate the use of standards and certification systems as barriers to trade. The booklet describes the functions of the Departments of Commerce and Agriculture, the Office of the U.S. Trade Representative, and the State Department in carrying out the U.S.'s responsibilities.

o GATT Standards Code Activities

This brochure gives a brief description of NIST's activities in support of the Standards Code. These activities include operating the U.S. GATT inquiry point for information on standards and certification systems; notifying the GATT Secretariat of proposed U.S. regulations; assisting U.S. industry with trade-related standards problems; responding to inquiries on foreign and U.S. proposed regulations; and preparing reports on the Standard Code.

o GATT Standards Code Activities of the National Institute of Standards and Technology

This annual report describes the GATT Standards Code activities conducted by the Office of Standards Code and Information for each calendar year. NIST responsibilities include operating the GATT inquiry point, notifying the GATT Secretariat of proposed U.S. federal government regulations which may affect trade, assisting U.S. industry with standards-related trade problems, and responding to inquiries about proposed foreign and U.S. regulations.

o Report to the United States Congress on the Agreement on Technical Barriers to Trade - "Standards Code"

This triennial report describes the programs and activities established to implement the Standards Code in the United States by the four responsible U.S. government agencies: Office of the U.S. Trade Representative; Department of Commerce (National Institute of Standards and Technology, International Trade Administration); Department of Agriculture and Department of State.

In addition to general inquiry services, the following assistance is also available:

o GATT Hotline

A telephone hotline provides current information received from the GATT Secretariat in Geneva, Switzerland, on proposed foreign regulations which may significantly affect trade. The recorded message is updated weekly and gives the product, country, closing date for comments (if any) and Technical Barriers to Trade (TBT) notification number. The hotline number is (301) 975-4041 (not toll-free)

o NCSCI provides assistance to U.S. and foreign exporters in obtaining current standards, regulations and certification information for the manufacture of products. To aid foreign exporters, NCSCI also provides directory information of state offices prepared to respond to queries concerning conditions to be met by goods for sale in their state.

Publication Ordering Information

NTIS - National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
(703) 487-4650

GPO - Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402
(202) 783-3238

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| 11. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here) This document, a revision of NBS SP 703, <u>Private Sector Product Certification Program in the United States</u> , presents information on 132 private sector groups in the United States which engage in product certification activities. Entries describe the type and purpose of each organization, the nature of the activity, 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. This directory is part of an ongoing NIST (formerly NBS) effort to establish and maintain comprehensive information on standards, regulations, certification programs and related topics. This material has been compiled to meet the needs of government, industry, and the public for information on private sector product certification programs in accordance with the requirements of the Trade Agreements Act of 1979. | | | |
| 12. KEY WORDS (Six to twelve entries; alphabetical order; capitalize only proper names; and separate key words by semicolons) certification; certifiers; grading; inspection; listing; product approval; registration; specifications; standards; testing | | | |
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