



A11103 417400

NIST
PUBLICATIONS

NBS SPECIAL PUBLICATION 881

PB85-106151

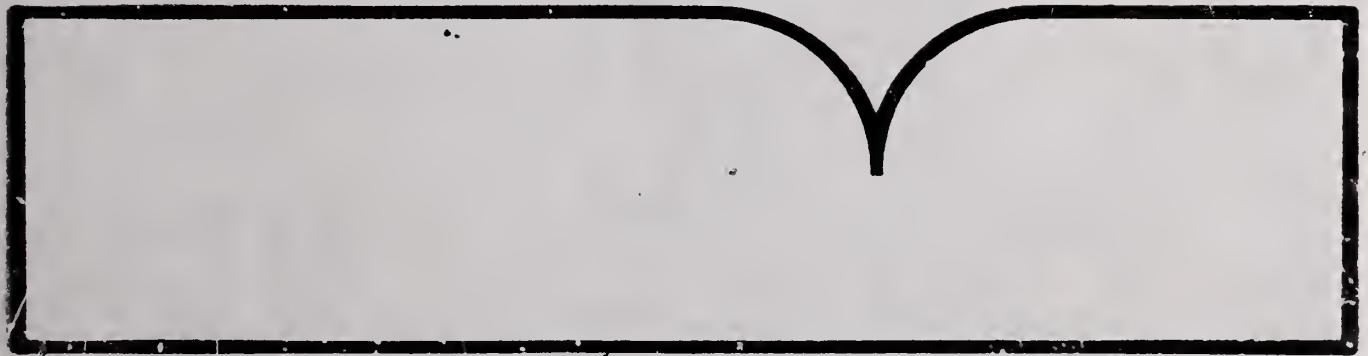
Standards Activities of
Organizations in the
United States

Toth (R.B.) Associates, McLean, VA

Prepared for

National Bureau of Standards, Gaithersburg, MD
Office of Product Standards Policy

Aug 84



QC

100

U57

#681

1984

C.2

Department of Commerce
Technical Information Service



PB85-106151

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards

NBS Special Publication 681

Standards Activities of Organizations in the United States

National Bureau of Standards

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE

NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY

Research Information Center
Gaithersburg, MD 20899

T

he National Bureau of Standards¹ was established by an act of Congress on March 3, 1901. The Bureau's overall goal is to strengthen and advance the nation's science and technology and facilitate their effective application for public benefit. To this end, the Bureau conducts research and provides: (1) a basis for the nation's physical measurement system, (2) scientific and technological services for industry and government, (3) a technical basis for equity in trade, and (4) technical services to promote public safety. The Bureau's technical work is performed by the National Measurement Laboratory, the National Engineering Laboratory, the Institute for Computer Sciences and Technology, and the Center for Materials Science.

The National Measurement Laboratory

Provides the national system of physical and chemical measurement; coordinates the system with measurement systems of other nations and furnishes essential services leading to accurate and uniform physical and chemical measurement throughout the Nation's scientific community, industry, and commerce; provides advisory and research services to other Government agencies; conducts physical and chemical research; develops, produces, and distributes Standard Reference Materials; and provides calibration services. The Laboratory consists of the following centers:

- Basic Standards¹
- Radiation Research
- Chemical Physics
- Analytical Chemistry

The National Engineering Laboratory

Provides technology and technical services to the public and private sectors to address national needs and to solve national problems; conducts research in engineering and applied science in support of these efforts; builds and maintains competence in the necessary disciplines required to carry out this research and technical service; develops engineering data and measurement capabilities; provides engineering measurement traceability services; develops test methods and proposes engineering standards and code changes; develops and proposes new engineering practices; and develops and improves mechanisms to transfer results of its research to the ultimate user. The Laboratory consists of the following centers:

- Applied Mathematics
- Electronics and Electrical Engineering²
- Manufacturing Engineering
- Building Technology
- Fire Research
- Chemical Engineering²

The Institute for Computer Sciences and Technology

Conducts research and provides scientific and technical services to aid Federal agencies in the selection, acquisition, application, and use of computer technology to improve effectiveness and economy in Government operations in accordance with Public Law 89-306 (40 U.S.C. 759), relevant Executive Orders, and other directives; carries out this mission by managing the Federal Information Processing Standards Program, developing Federal ADP standards guidelines, and managing Federal participation in ADP voluntary standardization activities; provides scientific and technological advisory services and assistance to Federal agencies; and provides the technical foundation for computer-related policies of the Federal Government. The Institute consists of the following centers:

- Programming Science and Technology
- Computer Systems Engineering

The Center for Materials Science

Conducts research and provides measurements, data, standards, reference materials, quantitative understanding and other technical information fundamental to the processing, structure, properties and performance of materials; addresses the scientific basis for new advanced materials technologies; plans research around cross-country scientific themes such as nondestructive evaluation and phase diagram development; oversees Bureau-wide technical programs in nuclear reactor radiation research and nondestructive evaluation; and broadly disseminates generic technical information resulting from its programs. The Center consists of the following Divisions:

- Inorganic Materials
- Fracture and Deformation³
- Polymers
- Metallurgy
- Reactor Radiation

¹Headquarters and Laboratories at Gaithersburg, MD, unless otherwise noted; mailing address Gaithersburg, MD 20899.

²Some divisions within the center are located at Boulder, CO 80303.

³Located at Boulder, CO, with some elements at Gaithersburg, MD.

U.S. DEPT. OF COMM. BIBLIOGRAPHIC DATA SHEET (See instructions)	1. PUBLICATION OR REPORT NO. NBS SP 681	2. Performing Organ. Report No. P80 5 106151	3. Publication Date August 1984
4. TITLE AND SUBTITLE Standards Activities of Organizations in the United States			
5. AUTHOR(S) Robert B. Toth, Editor			
6. PERFORMING ORGANIZATION (If joint or other than NBS, see instructions) R. B. Toth Associates McLean, VA 22101		7. Contract/Grant No.	8. Type of Report & Period Covered Final
9. SPONSORING ORGANIZATION NAME AND COMPLETE ADDRESS (Street, City, State, ZIP) National Bureau of Standards Department of Commerce Gaithersburg, MD 20899 NBS Category No. NBS-310			
10. SUPPLEMENTARY NOTES Library of Congress Catalog Card Number: 84-601084 GPO as SN003-003-02602-6 <input type="checkbox"/> Document describes a computer program; SF-185, FIPS Software Summary, is attached.			
11. ABSTRACT (A 100-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here) This directory is a guide to mandatory and voluntary standards activities in the United States at Federal and state levels and by nongovernment (trade associations, technical and other professional societies). It excludes proprietary (company standards) and local levels of government (i.e., county and municipal). It supersedes the 1975 edition (NBS SP 417), "Directory of United States Standardization Activities" and, for the first time, includes standards distributors, libraries, and information centers, and union lists of standards repositories by regional areas. It also lists organizations that no longer develop standards or have become defunct since the previous directory was issued. Over 750 current descriptive commentaries are formatted, with subject headings to facilitate access to specific information. The main sections cover nongovernment; Federal Government; state procurement offices; sources of standards documents and information; a subject index and related listings covering acronyms and initials, defunct bodies, and those organizations with name changes. Organizations have been included if they develop standards or contribute to the standardization process, whether voluntary or mandatory, or are sources of standards documents or information. An introductory section provides general information on Federal (including military) standards activities, a list of 20 major nongovernment standards developers, some historical notes, and an overview of U.S. (national) standardization activities.			
12. KEY WORDS (Six to twelve entries; alphabetical order; capitalize only proper names; and separate key words by semicolons) codes; government standardization activities; nongovernment standardization activities; overview of U.S. standardization activities; recommended practices; sources of standards; specifications; standardization; standards; test methods.			
13. AVAILABILITY <input checked="" type="checkbox"/> Unlimited <input type="checkbox"/> For Official Distribution. Do Not Release to NTIS <input checked="" type="checkbox"/> Order From Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. <input checked="" type="checkbox"/> Order From National Technical Information Service (NTIS), Springfield, VA. 22161		14. NO. OF PRINTED PAGES 575 15. Price	

NBS Special Publication 681

Standards Activities of Organizations in the United States

Prepared for:
Office of Product Standards Policy
National Bureau of Standards
Gaithersburg, MD 20899

Robert B. Toth, Editor
R.B. Toth Associates

Supersedes NBS Special
Publication 417

August 1984



U.S. Department of Commerce
Malcolm Baldrige, Secretary
National Bureau of Standards
Ernest Ambler, Director

i-a

Library of Congress
Catalog Card Number: 84-601084
National Bureau of Standards
Special Publication 681
Nat'l. Bur. Stand. (U.S.),
Spec. Publ. 681,
57 pages (Aug 1984)
CODEN: XNBSAV

U.S. Government Printing Office
Washington: 1984

For sale by the Superintendent
of Documents,
U.S. Government Printing Office,
Washington, DC 20402

FOREWORD

The U.S. National Bureau of Standards (NBS) assists the private sector and other agencies of government through research and development of better methods of measurement, determination of physical constants and properties of materials, and design of practical test procedures. Standards are an important medium for disseminating the results of Bureau research, and the working of the national standards system is of vital concern to NBS. The Bureau's Office of Product Standards Policy (OPSP) coordinates within the Federal Government and with the private sector in policy, procedural, and informational matters concerning standards and activities related to their application.

This directory identifies and describes U.S. public and private sector organizations which develop, publish, and revise standards, participate in this process, identify standards, or make standards available through information centers or distribution channels. These organizations are the foundation for the U.S. standards system, which has grown steadily since the first volume in this series was issued in 1941. Most of the standards developed by the organizations listed in this directory are included in the OPSP's National Center for Standards and Certification Information and are available for reference at the Center's facility.

We believe that this directory will be a useful reference for all who need and use U.S. standards. A companion volume was issued in April 1983 as NBS Special Publication 649, "Directory of International and Regional Organizations Conducting Standards-Related Activities."



Ernest Ambler
Director

ACKNOWLEDGEMENTS

Every entry in this directory was carefully prepared by representatives of the participating organizations. Obviously, this directory could not have been issued without the contributions and cooperation of hundreds of staff persons in the trade associations, professional societies, government agencies, and other organizations that constitute the "standards community." They deserve the thanks of those who worked on this project and all who use the directory.

Harvey Berger and Sophie Chumas, NBS Office of Product Standards Policy, aided in developing the approach and format. Ms. Chumas was not only a diligent contracting officer's representative but set the standard for this type of directory when she compiled the 1975 edition, NBS SP 417.

Paul M. Sullivan, Chairman of the National Association of State Purchasing Officials Standing Committee on Standards and Specifications, and Chief of Standards and Tests for the State of Connecticut, prepared the introduction to the section listing standards activities of the states.

Special thanks are due the staff of R. B. Toth Associates, who compiled this directory under contract to the NBS Office of Product Standards Policy. In particular, Joan Sweiger managed all aspects of information gathering and processing. Many of the entries were a challenge to the writing and editorial skills of Gerri Zaklin.

Robert B. Toth
Editor

ABSTRACT

This directory is a guide to mandatory and voluntary standards activities in the United States at Federal and state levels and by nongovernment (trade associations, technical and other professional societies). It excludes proprietary (company standards) and local levels of government (i.e., county and municipal). It supersedes the 1975 edition (N3S SP 417). "Directory of United States Standardization Activities" and, for the first time, includes standards distributors, libraries, and information centers, and union lists of standards repositories by regional areas. It also lists organizations that no longer develop standards or have become defunct since the previous directory was issued.

Over 750 current descriptive commentaries are formatted, with subject headings to facilitate access to specific information. The main sections cover nongovernment; Federal Government; state procurement offices; sources of standards documents and information; a subject index and related listings covering acronyms and initials, defunct bodies, and those organizations with name changes. Organizations have been included if they develop standards or contribute to the standardization process, whether voluntary or mandatory, or are sources of standards documents or information. An introductory section provides general information on Federal (including military) standards activities, a list of 20 major nongovernment standards developers, some historical notes, and an overview of U.S. (national) standardization activities.

Keywords: codes; government standardization activities; nongovernment standardization activities; overview of U.S. standardization activities; recommended practices; sources of standards; specifications; standardization; standards; test methods;

CONTENTS

	Page
Foreword	iii
Acknowledgements	iv
Abstracts	v
1. Introduction	1
2. Nongovernment	7
2.1 National Standards Policy	9
2.2 Nongovernment Organizations	11
3. Federal Government	407
3.1 Federal Voluntary Standards Policy (OMB Circular A-119)	409
3.2 Role of Interagency Committee on Standards Policy	411
3.3 Federal Government Organizations	413
4. State Government Purchasing Offices	483
4.1 Role of National Association of State Purchasing Officials	485
4.2 State Government Purchasing Offices	487
4.3 State Government Purchasing Standardization Activities	493
5. Sources of Standards and Information	511
5.1 Distributors	513
5.2 Information Centers and Libraries	529
5.3 Union Lists of Standards	537
6. Subject Index and Related Listings	541
6.1 Subject Index (Organizations by Major Subjects)	543
6.2 Acronyms and Initials	569
6.3 Former Names of Listed Organizations	583
6.4 Organizations No Longer Involved in Standardization	589

1. INTRODUCTION

standardization activities in the United States are broad, complex, and decentralized. This directory is intended to provide perspective and to serve as a source of information about the standards system; the inputs are based on material provided by the principals.

This Directory is the fifth in a series started in 1941. The first edition, NBS Miscellaneous Publication (MP) 169, "Standardization Activities of National Technical and Trade Organizations," was edited by Robert A. Martino and covered 450 organizations. The second edition, NBS MP 230, was edited by Sherman Booth and issued in 1960. The third edition, "Directory of United States Standardization Activities," NBS MP 288, was edited by Joan Hartman and issued in 1967. This publication supersedes the 1975 edition, NBS Special Publication 417, edited by Sophie Chumas.

SCOPE AND CRITERIA

This edition summarizes standardization activities of over 750 organizations which, in the aggregate, comprise the U.S. standards system. In the broadest sense, "standards" includes specifications, codes, guidelines, recommended practices, grading rules, and similar documents. This directory also refers to regulatory standards developed by government agencies, but not to laws or regulations per se. However, many Federal, state, and local regulations and codes are based on the voluntary standards of organizations listed in this directory.

The directory includes organizations that develop standards and also those that work with others to develop and use standards or that regularly comment on draft standards. It is considered to be inappropriate to include activities that only develop ethical/ professional standards, or that set standards for judging animals, or are concerned exclusively with standards for services or training.

The directory lists sources of U.S. standards outside the United States and U.S. sources of foreign and international standards in response to increasing interest and application of standards throughout the world. Self-designated regional and international organizations are covered separately in a companion NBS Special Publication 649, "Directory of International and Regional Organizations Conducting Standards-Related Activities," which has 272 entries.

AN OVERVIEW

In 1975 more than 400 organizations were engaged in the development of over 20,000 standards. It appears that in 1983 approximately 420 nongovernment organizations maintained an estimated 32,000 standards. These constitute approximately 40 percent of the total inventory of U.S. standards, which exceeds 80,000. There are about 49,000 standards developed by Federal agencies. More than 38,000 of these have been prepared by the Department of Defense (DoD); 6,000 are Federal standards and specifications developed for Federal procurement under the auspices of the General Services Administration (GSA). Additional standards have been prepared by U.S. Government departments and independent agencies. Some state purchasing departments have developed significant numbers of standards. These are not included among the total quantity of standards because they are not applied nation-wide.

The number of nongovernment standards has been increasing at an average rate of about 3.5 percent per year; at the same time, DoD and GSA are cancelling almost as many standards as they are creating.

Twenty years ago there were 39,500 government standards and less than 14,000 nongovernment standards. About 2000 (17 percent) of the nongovernment standards were designated American National Standards (ANS). Today, more than 8,500 standards, 25 percent of the nongovernment standards, have been processed through the American National Standards Institute and designated ANS.

At any time during the past 20 to 30 years some 400 private sector organizations have been developing standards. Approximately 260 (65 percent) have ongoing standardization programs. The remainder have prepared a few standards, occasionally update them, but are not actively or routinely engaged in standards development.

The inputs for this directory indicate that twenty nongovernment standards developers have prepared more than 26,000 standards, accounting for over 80 percent of those developed by the private sector. (See Table I.) Care should be exercised in comparing totals: the 24 volume Boiler Code, the Rules for Building and Classing Steel Vessels, and similar standards publications are not comparable to 95 percent of the standards represented in this table.

TABLE I. 2/1 MAJOR NONGOVERNMENT STANDARDS DEVELOPERS

	NUMBER OF STANDARDS
AEROSPACE INDUSTRIES ASSOCIATION	2,800
AMERICAN ASSOCIATION OF BLOOD BANKS	280
AMERICAN ASSOCIATION OF CEREAL CHEMISTS	350
AMERICAN NATIONAL STANDARDS INSTITUTE	1,330*
AMERICAN OIL CHEMISTS ASSOCIATION	330
AMERICAN PETROLEUM INSTITUTE	350
AMERICAN RAILWAY ENGINEERS ASSOCIATION	400
AMERICAN SOCIETY FOR TESTING & MATERIALS	7,200
AMERICAN SOCIETY OF MECHANICAL ENGINEERS	550
ASSOCIATION OF AMERICAN RAILWAYS	1,350
ASSOCIATION OF OFFICIAL ANALYTICAL CHEMISTS	1,500
COSMETIC, TOILETRY & FRAGRANCE ASSOCIATION	630
ELECTRONIC INDUSTRIES ASSOCIATION	480
FACTORY MUTUAL	600
INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS	500
NATIONAL FIRE PROTECTION ASSOCIATION	260
SOCIETY OF AUTOMOTIVE ENGINEERS	4,200
TECHNICAL ASSOCIATION OF THE PULP & PAPER INDUSTRY	270
UNDERWRITERS LABORATORIES	465
U.S. PHARMACOPEIA	2,900

*Published and copyrighted by ANSI.

CHANGES SINCE 1975

Twelve organizations listed in the 1975 edition of the directory have ceased operations. The most notable is the Joint Industrial Council, whose JIC standards have been, for the most part, incorporated into standards of the National Fluid Power Association and National Fire Protection Association. More than thirty other then-listed organizations no longer develop standards themselves, but rather participate within the committees of other organizations. More than 40 additional organizations have been newly identified as standards developers, many in fields of new technology, such as information processing and solar energy. The American Society of Civil Engineers is again publishing standards after a lapse of 88 years. Section 6 identifies previously listed organizations which no longer develop standards and those whose names have been changed since 1975.

Among government agencies, the most notable change has been in the Department of Commerce Voluntary Product Standards program: in 1972 there were 190 standards, today only four. Withdrawal of these standards became possible as private sector organizations assumed responsibility for their development and maintenance.

SOME HISTORICAL NOTES

The United States Pharmacopeial Convention, founded in 1820 specifically to adopt uniform standards for drugs, is the oldest of several standards developers in the U.S. continuously active in standardization. The oldest trade association developing standards is the American Iron and Steel Institute, founded in 1855. The oldest scientific and technical societies that develop standards are the American Psychiatric Association (1839) and the American Society of Civil Engineers (1852). The oldest active standard is Association of American Railways' recommended practice B19, which prescribes a decimal gage for determining metal thickness, unchanged since its original release in 1895. The first standard designated an American National Standard was prepared jointly by the American Gas Association and the American Society of Mechanical Engineers to define taper pipe threads. This was approved by an ANSI forerunner, the American Engineering Standards Committee, in December, 1919. Today, as ANSI B2.1, it is essentially the same in all important features and is very widely used.

REDUNDANCY AND OVERLAP

The 26,000 standards issued by the 20 organizations listed in Table I are, for the most part, distinct with respect to subject matter and content. Only a relatively small portion are redundant or overlap other standards. In contrast, a greater fraction of the remaining 6,000 nongovernment standards show evidence of redundancy. This is most apparent in standards used in the building and construction sector. The National Conference of States or Building Codes and Standards and the National Institute of Building Sciences were founded to address this and similar problems stemming from the multiplicity of building codes. In the U.S. there are at least 14,000 regulatory building codes; some estimates are as high as 20,000. While the three model building code groups have brought some order and uniformity within their areas, most state and local jurisdictions use these codes only as a starting point on which to append amendments and additions.

Overlap is characteristic of many standards developed by the Federal Government and the private sector. The 38,000 military standards and specifications are grouped by categories in Table II. The likelihood of overlap with nongovernment standards is quite high considering that more than 70 percent of the military documents define commercial products and materials. Analysis of these standards, however, indicates that the majority are product specifications defining the technical characteristics and quality assurance requirements which enable products to be acquired through competitive purchasing practices. While nongovernment organizations have developed thousands of essential standards defining testing, safety, terminology, and other requisite characteristics, it is estimated that less than 20% are fully definitive product standards suitable for competitive procurement. The private sector has come to depend on military standards for many industrial applications, particularly for electronic components, microelectronics, wire, lubricants, coatings and finishes, and specialized fields, such as reliability, quality assurance, and human factors.

Since 1960 the Department of Defense has made a practice of adopting nongovernment standards. This was most recently formalized by DoD Directive 4120.20 of 1976. More than 3,300 nongovernment standards, primarily for parts and materials, have already been formally adopted by DoD. OMB Circular A-119, described in Section 3.1, should result in wider adoption of nongovernment standards by other departments and agencies.

TABLE II. MILITARY SPECIFICATIONS AND STANDARDS, BY CATEGORY

	Number	Percent of Total
Military Products & Equipment	9 900	26%
General Engineering	1 300	4%
Materials	4 800	12%
Parts	10 500	27%
Industrial Equipment	9 000	24%
Consumables	2 500	7%
TOTAL	38,000	100%

COMPILATION OF INFORMATION

More than 1,000 nongovernment organizations were invited to provide entries for the current directory. These included all those cited in the previous edition; organizational members of ANSI; those represented in online databases of standards; and organizations listed in directories of trade associations and professional societies.

Ninety Federal agencies were solicited for information on their standards-related activities. Members of the National Association of State Purchasing Officials from 55 states and territories were invited to provide input. Follow-up mailings and telephone calls were made primarily to confirm information. However, corrections were sought only in the event of obviously erroneous entries.

The major sections on nongovernment, Federal, and State organizations and agencies are each preceded by a short description of mechanisms for policy development and coordination. Entries are organized in the various sections of the directory under subheadings to permit information to be found easily. Naturally, organizations with limited standards activities have fewer subheadings.

Each responding organization has determined for itself whether or not it is a "Standards Developer." A few organizations (less than thirty) self-identify as Standards Developer, although they neither develop nor publish standards, but in fact work within the structure of another organization. Similarly, a few organizations, many of which are the focus for standards activities in their field, insist that they not be cited as Standards Developers, but as working with other organizations to develop standards. A perusal of the information included in the Standardization Activities subheading will usually clarify the actual role.

Although extensive efforts were made to be comprehensive, some organizations that conduct standardization activities may be missing. Information for the entries was voluntarily provided by the submitting organizations, but it was sometimes necessary to reformat or edit for uniformity. Wherever possible, information on secretariats, designations, quantities, and the availability of standards was verified by consulting ISO, IEC, and ANSI publications, indexes, and distributors' catalogs.

Organizations that are not included herein are invited to send pertinent information to:

National Center for Standards and Certification
Information
Office of Product Standards Policy
National Bureau of Standards
U.S. Department of Commerce
Washington, D.C. 20899

Listed organizations are encouraged to keep NBS informed of changes in organizational name or address.

All others interested in receiving updated information are also invited to add their names and addresses to our mailing list.

2. NONGOVERNMENT

2.1 NATIONAL STANDARDS POLICY

In early 1977, the private sector organized a National Standards Policy Advisory Committee to develop a fundamental policy as a basis for effective collaboration between government and the private sector in establishing a successful voluntary national and international standards program. At the time, the Legislative and Executive Branches of government were considering legislation and/or regulation which would affect the voluntary standardization and certification programs then existing. The Committee functioned as an independent advisory group representative of government, organized labor, public interest groups, trade associations, industry, professional societies, standards-writing bodies, testing laboratories, and consumers.

A "National Policy on Standards for the United States" was published in December 1978 and was endorsed by the American National Standards Institute's Board of Directors in 1979. The Policy recognizes that cooperation between government and private sector interests is essential to the establishment of a viable national standards program. It also recognizes specific attributes of a standards program, such as openness, balance of interests, decisions by consensus, and record-keeping. The Policy encourages government to participate in private sector standards activities, to utilize existing voluntary standards rather than to develop government standards, and to minimize duplication of standards efforts.

The National Policy recommends the establishment of a "centralized private sector focus" to serve as the private sector standards coordinating center and a "centralized government focus" to function as the government's coordinating center. ANSI has assumed the role of the private sector focus and, under OMB Circular A-119, the Department of Commerce has become the Federal Government focus, designating the Office of Product Standards Policy at the National Bureau of Standards to serve as the government coordinator.

2.2 NONGOVERNMENT ORGANIZATIONS

This section lists in alphabetical order 622 entries for trade associations, professional and technical societies, and other U.S. private sector organizations that develop standards or work with other organizations to develop standards. The information presented is intended to provide basic data, not only on the type of standards that are prepared, but some indications of the level of activity. Organizations were asked to provide information on the number of members involved in standardization, the number of staff personnel devoted to standardization programs, and secretariats that they sponsor. The individual named is directly responsible for the organization's standardization activities and should be contacted if additional information is required.

Organizations were asked whether or not they had any certification, qualification, or accreditation programs for products, laboratories, or services. In many cases it was considered just as important to indicate when there was no qualification program. Many standards developers provided information on the prefixes or other designations which identify their publications. Those which prepare ANSI standards usually indicate the basic prefix, i.e., S3.x designates ANSI bioacoustic standards, developed by the Acoustical Society of America, ranging from ANSI S3.1 through S3.26.

The keywords were provided by the listed organization, supplemented by the editor. These keywords provide the capability for simple online search at some time in the future, and for that reason are separated by semicolons - the convention that is utilized in most search software. Keywords synopsise the areas in which the organization's standardization activities are directed and, as such, assist the directory user to find more quickly pertinent, responsible organizations.

The largest concentration of organizations with standardization activities is in the Washington, D.C. area. The following table summarizes the top four locations. The remainder are dispersed in large and small cities throughout the country.

Location	Standards Developers	Work with Others	Total
Washington, D.C.	140	72	212
New York City	41	18	59
Chicago	27	17	44
Philadelphia	7	4	11

ABRASIVE ENGINEERING SOCIETY

Jack McMillan, Executive Director

1700 Painters Run Road
Pittsburgh, Pennsylvania 15243
(412) 221-0909

Founded: 1956

**Type of
Organization**

Technical Society
Standards Developer

Scope

Promotes and interprets the scope and potentialities of abrasives to business and the public; promotes industry-wide standards.

**Standardization
Activities**

Maintains a National Standards Committee which is responsible for the formulation and development of standards for abrasives. Cooperates with the American National Standards Institute (ANSI); serves on American National Standards Committee B74 on Abrasives.

Availability

Distributed through ANSI

Formerly

American Society for Abrasive Methods

Keywords

abrasives; manufacturing;

ABRASIVE GRAIN ASSOCIATION

Allen P. Wherry, Manager

14600 Detroit Avenue
712 Lakewood Center North
Cleveland, Ohio 44107
(216) 226-7700

Telex: 98-5559

Founded: 1933

Standards Staff: 3

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

Standards developer since 1933
Ten standards published
Processed through ANSI

**Standards
Designation**

ANSI B74.x

Scope

Manufacturers of natural and manufactured abrasives, i.e., silicon carbide, aluminum oxide, corundum, emery, garnet, etc., used in grinding wheels, coated abrasives, and other products.

**Standardization
Activities**

Administered by Standards Committee and several subcommittees; participates in international standardization work, cooperating with the International Organization for Standardization (ISO), the Federation of European Producers of Abrasives (FEPA), and ANSI. Publishes ten standards including standards on density, capillarity, friability, and chemical analysis of abrasive grains. Promulgates its documents through the Grinding Wheel Institute Accredited Standards Committee B74.

Availability

Distributed directly and through ANSI

Keywords

abrasives; silicon carbide; aluminum oxide; manufacturing; materials;

ACCREDITING BUREAU OF HEALTH EDUCATION SCHOOLS

Hugh A. Woosley, Administrator

Oak Manor Offices
29089 U.S. 20 West
Elkhart, Indiana 46514
(219) 293-0124

Founded: 1964

Standards Staff: 9

Type of Organization	Accrediting Agency Works through other organizations to develop standards
Certification	Accredited program graduates are eligible for professional registration with American Medical Technologists Registry as medical laboratory technician (MLT) and registered medical assistants (RMA).
Scope	Recognized by U.S. Department of Education to accredit medical laboratory technician education programs in the private and public sector through junior college level and medical assistant programs in the private sector and allied health institutions in the private sector. Recognized by Council on Postsecondary Accreditation to accredit medical laboratory technician and medical assistant education programs in the private sector.
Standardization Activities	Establishes criteria and standards for the administration and operation of health education institutions and specialized programs for medical laboratory technician and medical assistant education; enhances the profession through the improvement of schools, programs, and quality of graduates; provides sound business and ethical standards in the fields of health education; maintains standards and procedures consistent with the philosophies and best-known practices of other educational accrediting agencies.
Availability	Distributed directly
Formerly	Accrediting Bureau of Medical Technology Schools (1964-68) Accrediting Bureau of Medical Laboratory Schools (1968-78)
Keywords	accreditation; medical laboratory; dental; medical; health education; public health;

ACOUSTICAL SOCIETY OF AMERICA

Avril Branig, Standards Manager

335 East 45th Street
New York, New York 10017
(212) 661-9404

Founded: 1929

Standards Staff: 2

Type of Organization	Technical Society Standards Developer
Standards Development	Standards developer since 1932 75 working groups and 700 members active in standards development 50 active standards Processed through ANSI Draft standards available for review
Standards Designation	ASA prefix, ANSI SX.x

Government Adoption	Some referenced by FDA
Secretariats	ANSI S1, Acoustics S2, Mechanical Shock and Vibration S3, Bioacoustics S12, Noise ISO/TC 108, Mechanical Vibration and Shock
Scope	A national society of physicists and engineers involved in the fields of electroacoustics, ultrasonics, architectural acoustics, psychological and physiological acoustics, music, noise and vibration control.
Standardization Activities	Maintains a standards program to develop standards, specifications, methods of measurement and test, and terminology in the fields of physical acoustics, including architectural acoustics, electroacoustics, sonics and ultrasonics, underwater sound, mechanical shock and vibration, psychological and physiological acoustics, including aspects of general acoustics, shock and vibration which pertain to biological safety, tolerance and comfort; and acoustical, environmental, and occupational noise. Cooperates with ANSI, ISO, and the U.S. National Committee of the International Electrotechnical Commission. Involves the government, industry, and the general public in producing voluntary standards.
Availability	Sold directly and through ANSI
Keywords	noise control; mechanical shock; vibration; environment; acoustics;

ADHESIVES MANUFACTURERS ASSOCIATION

	J. Dollard Carey, Executive Director 111 East Wacker Drive Chicago, Illinois 60601 (312) 644-6610 Founded: 1933
Type of Organization	Trade Association Works through other organizations to develop standards
Representation	ANSI
Scope	Thirty member companies representing the major adhesive manufacturing firms in the U.S. and 15 associate members representing supplier companies. Provides a forum for members to meet and exchange ideas for the advancement of the industry and its members, including research and development of better adhesives and applications. Sales and marketing techniques, employee health and safety, statistical analyses, and regular updates on the economic climate are other important functions.
Standardization Activities	The Adhesives Manufacturers Association is not a standards developing organization; it works within the voluntary standards system to coordinate adhesive standards activities and act as the industry voice. Also monitors proposed regulations and standards at the Federal, state, and local levels.
Keywords	adhesives; sealants; packaging; solvents; manufacturing;

ADVANCED TELEVISION SYSTEMS COMMITTEE

Richard Green, Executive Director

1771 N Street NW.
Washington, D.C. 20036
(202) 293-3546

Founded: 1962

**Type of
Organization**

Professional Society
Standards Developer

Scope

Created by the Joint Committee for Inter-Society Coordination (JCIC). Coordinates the development of voluntary national technical standards. Membership includes television equipment manufacturers, broadcasters, cable companies, and associated trade and professional societies.

**Standardization
Activities**

Develops voluntary national standards for advanced television systems in the U.S., including generation, distribution and reception/display of improved National Television Standards Committee (NTSC), enhanced 525-line systems and high definition television systems. The secretariat for the ATSC is the National Association of Broadcasters.

Formerly

National Television Standards Committee

Keywords

electronics; television; communications;

ADVISORY COMMISSION ON TEXTBOOK SPECIFICATIONS

Luther M. Child, Technical-Administrative Director

111 Prospect Street
Suite 405
Stamford, Connecticut 06901
(203) 324-9670

**Type of
Organization**

Advisory Commission
Standards Developer

**Government
Adoption**

ACTS standards are applied by most states for textbook purchases.

Scope

A federation of three organizations comprised of representation from the Association of American Publishers, Book Manufacturers Institute, and the National Association of State Textbook Administrators.

**Standardization
Activities**

Developed the Manufacturing Standards and Specifications for Textbooks which establish quality standards for paper, printing, binding, and related details. These standards are intended as a guide to aid manufacturers, publishers, textbook administrators, and the general public. The Technical-Administrative Director provides technical advice and answers queries related to the Commission's standards activities.

Availability

Distributed directly

Keywords

publishing; textbooks; education;

AERONAUTICAL RADIO, INC.

B. Richard Climie, Sr. Director - Industry Activities

2551 Riva Road
Annapolis, Maryland 21401
(301) 266-4111

Founded: 1929

Standards Staff: 4

Type of Organization

Not-for-profit service organization
Standards Developer

Standards Development

140 Form, Fit and Function (performance) standards describe airborne electronic equipment for transport aircraft
Draft standards and related reports available upon request
None processed through ANSI

Standards Designations

ARINC Equipment Characteristics (specific equipment)
ARINC Standards (basic system elements)
ARINC Reports (guidance materials)

Certification

No certification, qualification, or accreditation programs

Secretariats

Airlines Electronic Engineering Committee (AEEC)

Scope

A wholly owned subsidiary of ARINC Incorporated which is an ordinary stock corporation owned by major air transport operators. Operates on behalf of the users on a "not-for-profit" basis. Provides telecommunications services without discrimination to all users of the airspace within the U.S. The cost of each service is directly recovered from the users of that service without "cross subsidy" from other users. Provides planning and coordination of the users' telecommunications needs with participation by all elements of aviation.

Standardization Activities

ARINC's voluntary standardization activities are conducted by the AEEC chaired by D. H. Featherstone, Director of ARINC Avionics Department. AEEC comprises user specialists from U.S., European and Pacific basin airlines, general aviation, U.S. Air Force and airline associations. The voluntary standards generally are drafted by a subcommittee comprised of users, equipment and airframe manufacturers, regulatory agencies and other interested parties. AEEC supervises the subcommittee work and adopts completed documents when appropriate.

Availability

Paper copies are available directly; microfilm from IHS and IMI

Keywords

avionics; navigation; surveillance; air-traffic-control; aviation; transportation; electronics; communication;

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA

Barbara Boykin, Director Standardization Programs

1725 DeSales Street NW.
Washington, D.C. 20036
(202) 429-4600

Telex: 710 822 0134

Founded: 1919

Standards Staff: 4

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1938
200 members participating in standards activities
2019 active standards, including 140 metric

	None processed through ANSI Draft standards available for review
Standards Designation	NAS, National Aerospace Standard NA, Metric NAS
Government Adoption	The Department of Defense has adopted nearly 700 National Aerospace Standards (NAS's).
Certification	No certification, qualification, or accreditation programs
Secretariats	ISO/TC 20 Aircraft and Space Vehicles International Coordinating Council of Aerospace Industries Associations, industry interface with the International Civil Aviation Organization American National Metric Council, Aerospace Sector Committee
Scope	A national trade association representing U.S. companies engaged in research, development, and manufacture of such aerospace systems as aircraft, missiles, spacecraft, and space launch vehicles; propulsion, guidance, and control systems for flight vehicles; and a variety of airborne and ground-based equipment essential to the operation of flight vehicles. Functions on national and international levels, representing its membership in a wide range of technological and other relationships with government agencies and the public.
Standardization Activities	Standardization activities are directed toward fulfilling user-defined requirements of the industry and its customers. A close working alliance exists with the Department of Defense, National Aeronautics and Space Administration, and other agencies and industry organizations. This liaison involves direct participation of government representatives in meetings and activities of the association's primary standards developing body, the National Aerospace Standards Committee. Technical input is solicited from all affected interests. Committees also review and make recommendations on government standards documents and participate in standards programs of ANSI, SAE, ASME, DoD, DoC, and FAA. NAS's are used worldwide in high stress environments. They are applied on all types of aerospace and other high-technology systems, as well as critical nonaerospace applications such as rapid transit rail cars, amusement park rides, high speed diesel engines, and racing cars. The NAS series is best known for its high strength, precision fasteners, which include bolts, screws, nuts, and rivets of all types in inch (NAS) and metric (NA) series. Other NAS's define high pressure hose, electrical connectors, splices and terminations, rod end bearings, and many other types of hardware and components. Nearly 100 NAS's specify requirements for manufacturing equipment used by aerospace and other industries, including numerically controlled (NC) and computer aided manufacturing (CAM) machine tools, NC welding and fabrication equipment. One of the first standards for an industrial robot was released as an NAS in 1982. NAS's have also been developed for airport planning, airworthiness requirements of cargo containers, flight testing, propellants, packaging, and other needs of the aerospace community.
Availability	Distributed through IHS, NSI, IMI, Global
Formerly	Aeronautical Chamber of Commerce Aircraft Industries Association (1945) Aerospace Industries Association (1959)
Keywords	aerospace; transportation; defense; testing; high-technology; engineering; manufacturing; fasteners; metric;

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

Herbert Phillips, Director of Engineering

1815 North Fort Myer Drive
Arlington, Virginia 22209
(703) 524-8800

Telex: 89-2351

Founded: 1953

Standards Staff: 10

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since its formation in 1953
150 members participate in standards activities
Over 50 active standards processed through ANSI
Draft standards available for review; interested parties invited to participate in standards development

Standards Designation

ARI prefix

Government Adoption

Certain government agencies recommend purchase of products tested according to specific ARI Standards and/or ARI certified products.

Certification

Thirteen certification programs, including Solar Collectors. Product performance certified by manufacturer, verified by ARI through an independent laboratory.

Secretariats

Chairmanship U.S. TAG ISO/TC 86, Refrigeration

Scope

Trade association of manufacturers of air conditioning, heating, commercial and industrial refrigeration, and solar equipment and components, excluding room air conditioners, household refrigerators and freezers, portable humidifiers and dehumidifiers.

Standardization Activities

Activities of ARI include: Equipment standards pertaining to physical and operating characteristics of items and equipment; Testing standards procedures for testing equipment in order to determine performance and operating characteristics; Rating standards containing provisions for converting data into general statements of capacity and performance which can be applied to a series of production items; Application standards specifying acceptable installation criteria, including initial selection of equipment.

Standards issued cover: unitary air-conditioning equipment and heat pumps, air-cooling and air-heating coils, forced circulation, free-delivery air-coolers for refrigeration, central station air-handling units, room air-induction units, refrigerant condensers, refrigerant-cooled liquid coolers, liquid receivers, ammonia compressor and condensing units, centrifugal liquid-chilling packages, reciprocation chilling packages, liquid line driers, self-contained mechanically-refrigerated drinking water coolers, transport refrigeration units, solar collectors and systems, and sound rating and application standards.

Availability

Distributed directly and through ANSI, IHS, IMI, NSA, and Global

Formerly

Refrigeration Equipment Manufacturers Association (REMA)
Air-Conditioning and Refrigeration Machinery Association (ACRMA)

Keywords

air-conditioning; refrigeration; solar collectors; heat pumps; water coolers; sound; cooling coils; heating coils; air handling; building;

AIR CONDITIONING CONTRACTORS OF AMERICA

James P. Norris, Executive Vice President

1228 17th Street NW.
Washington, D.C. 20036
(202) 296-7610

Founded: 1969

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1960
50 members involved in standards development
Five standards published
None processed through ANSI

Standards generally developed in cooperation with Air-Conditioning and Refrigeration Institute, with individual manufacturers, and with individual utilities. Draft standards and revisions not generally available for review by non-members.

Government Adoption

HUD, FHA

Scope

An organization of heating, air conditioning, and refrigeration contractors, representing such contractors throughout the United States and in a limited number of foreign countries. Provides management training, industry relations and government relations services for its members.

Standardization Activities

Develops procedures and standards for residential and commercial heating and air conditioning system design, load calculation, and equipment selection. Standards specifically prepared for use by non-engineering design personnel, although used by others. Participates in ANSI Committee Z21 and various ASHRAE committees.

Availability

Sold directly

Formerly

Air Conditioning and Refrigeration Contractors of America
National Warm Air Heating and Air Conditioning Association
(Merged in 1969)
National Environmental Systems Contractors Association (formed by Merger, 1969)
Current name adopted 1978

Keywords

air-conditioning; heating; refrigeration; air handling; building;

AIR DIFFUSION COUNCIL

George M. Otto, Executive Secretary

230 North Michigan Avenue
Suite 1200
Chicago, Illinois 60601
(312) 372-9800

Founded: 1960

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards Developer since 1961
Two standards currently in use
Two others under development
None processed through ANSI

Standards Designation	1062 R1 Test Standard 1062 R2-R1 Test Standard
Government Adoption	1062 series testing is called for in some government procurements
Certification	Laboratories are ADC-certified to test air distribution devices. Products tested in these labs in accordance with ADC-standards may be ADC-certified.
Secretariats	U.S. Technical Advisory Group to ISO/TC 144/SC2
Scope	Manufacturers of grilles, registers, ceiling diffusers, 'lighting fixtures' diffusers (troffers), air mixing boxes, and flexible duct used in air distribution systems.
Standardization Activities	Active in the standardization of testing and rating procedures for air diffusion equipment. Develops test codes.
Availability	Sold directly
Keywords	grille; register; diffuser; air mixing box; flexible duct; air handling; building;

AIR DISTRIBUTION INSTITUTE

Patricia H. Keating, General Manager

242 East Ogden Avenue
Hinsdale, Illinois 60521
(312) 920-0744

Founded: 1947

Type of Organization	Trade Association Standards Developer
Standards Development	Participated in the development and updating of Simplified Practice Recommendation R207 since 1947.
Scope	A national trade association representing U.S. companies engaged in research, development, and manufacture of air distribution equipment, as pipe, duct, and fittings for warm air heating and air conditioning, for use in residential single and multi-family dwellings.
Standardization Activities	Develops production distribution and use standards for pipe, duct, and fittings for warm-air heating and air conditioning. Produces a numerical data system for identification of products as manufactured by its members, in concert with North American Heating and Air Conditioning Wholesalers. Currently updating simplified practices and recommendations.
Availability	Distributed directly
Keywords	air handling;

AIR MOVEMENT AND CONTROL ASSOCIATION

Edward A. Cruise, Executive Vice President

30 West University Drive
Arlington Heights, Illinois 60004
(312) 394-0150 Telex: 27-0650 AMCA ARHT

Founded: 1955

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1960
137 members participating in standards activities
27 active standards, including 7 metric
None processed through ANSI
Draft standards available for review

Standards Designation

AMCA prefix

Certification

Products which have been performance rated in accordance with AMCA standards are eligible to be licensed under the Certified Ratings Program and are identified by the display of the AMCA Certified Ratings Seal.

Secretariats

ISO/TC 117 Industrial Fans SC2 (Sound Ratings)

Scope

An international trade association of manufacturers of fans, louvers, and dampers used in industrial, commercial, and institutional air handling systems. Includes more than 100 manufacturers in the USA and Canada and some 20 countries overseas. Promotes and furthers the interests of the public and manufacturers of air moving and control devices throughout the world. Promotes the use of voluntary standards and technical documents to help purchasers, specifiers, and users with selection, application, and safe and efficient use of those products.

Standardization Activities

Aims at the development of accurate and reliable testing procedures which are adopted as standards and used as a basis for rating the industry's products. Adopts standards to measure the performance of all air moving devices and the sound power of this equipment, in addition to air curtains and industrial ceiling fans. These include relating pressure drop and/or water penetration to the air flow rate of louvers, dampers, and shutters; leakage rate of dampers at a given pressure difference. Other technical standards cover a wide variety of subjects including nomenclature, drive arrangements, sizes, classification for spark resistant construction, operating limits for centrifugal fans, and inlet box positions for centrifugal fans.

Works closely with ASHRAE. Developed "Laboratory Methods of Testing Fans for Rating," a joint standard with ASHRAE. Works with ISO/TC 117 to develop an international standard for air performance testing. Reviews and makes recommendations on standards and documents of ASHRAE, ASME, ISO, NFPA, and UL.

Availability

Sold directly. Joint ASHRAE standards available through ASHRAE.

Formerly

National Association of Fan Manufacturers
The Power Fan Manufacturers' Association
Industrial Unit Heater Association (All in 1955)

Keywords

air curtain; blower; damper; fan; louver; shutters; noise control; air handling; building;

AIR POLLUTION CONTROL ASSOCIATION

G. Steve Hart, Executive Vice President

P.O. Box 2861
Pittsburgh, Pennsylvania 15230
(412) 621-1090

Founded: 1907

Type of Organization	Technical Society Works through other organizations to develop standards
Representation	ANSI Committee Z-21, Subcommittee on Standards for Domestic Gas-Fired Incinerators; ANSI Z-105, Air Cleaning Equipment Committee; ANSI Z-91, Committee of Installation Standards for Oil Burners and Oil Burning Equipment; ANSI Z-228, Incinerator Committee; International Organization for Standardization; Technical Committee ISO/TC 146; and Air Purity Intersociety Committee (Manual of Methods of Ambient Air Sampling Analysis).
Scope	A voluntary, cooperative, nonprofit, technical organization devoted to air pollution control. Membership of 7500 is composed of engineers, scientists, enforcement officials, industrial organizations, manufacturers of control equipment and instrumentation, scientific and educational institutions, and consultants.
Standardization Activities	Contributes to standards development through representation on various committees of standards-setting organizations.
Keywords	air pollution; environment;

AIR TRANSPORT ASSOCIATION OF AMERICA

Ed Thomas, Vice President, Engineering and Maintenance

1709 New York Avenue NW.
Washington, D.C. 20006
(202) 626-4035

Telex: 89655 ATA WSH

Founded: 1936

Type of Organization	Trade Association Standards Developer
Standards Development	32 members participate in standards development
Standards Designation	ATA prefix MSG-3 Airline Manufacturers' Maintenance Program Planning Document WATOG World Airline Technical Operations Glossary ATA/IATA Interline Communications Manual
Secretariats	ATA provides the secretariat for all of the above standards except the ATA/IATA Interline Communications Manual which is provided by IATA.
Scope	A national trade association for 30 U.S. scheduled air carriers and two Canadian scheduled air carriers which are associate members. Provides services in operations, technical, traffic, government affairs, and finance fields. Functions on national and international levels, representing its membership before government bodies, the public, and associated industries.
Standardization Activities	Develops and maintains specifications and guidelines for use by airlines and suppliers in maintenance, supply, communications,

and other programs. Primarily directed toward meeting the needs of airlines and those organizations, both public and commercial, which interface with the scheduled air carriers. Standards development requires national and international coordination between user airlines and suppliers through the ATA committee structure.

Availability Distributed directly

Keywords transportation; communications; maintenance; aviation;

AIRCRAFT LOCKNUT MANUFACTURERS ASSOCIATION

John Shiffert, Manager

2017 Walnut Street
Philadelphia, Pennsylvania 19103
(215) 569-3650

Founded: 1940 Standards Staff: 1

Type of Organization Trade Association
Works through other organizations to develop standards

Representation All member firms are active in consultant and liaison roles with Aerospace Industries Association, SAE (E21-E25), and other industry and military groups. Individual companies are active in ISO and other standardization groups.

Scope An association of manufacturers, responding to standards formulated by various customer organizations.

Standardization Activities Standardization activities of ALMA are directed to the conformation and performance criteria for aerospace locknuts.

Keywords locknuts; aerospace; aviation; fasteners; transportation;

AIRCRAFT OWNERS AND PILOTS ASSOCIATION

Victor J. Kayne, Senior Vice President

Technical Policy and Plans Division
421 Aviation Way
Frederick, Maryland 21701
(301) 695-2000 Telex: 893445
(202) 428-9530

Founded: 1939

Type of Organization Trade Association
Works through other organizations to develop standards

Scope More than 265,000 pilots and aircraft owners interested in making flying safer, more economical, and enjoyable.

Standardization Activities Participates in activities of the Radio Technical Commission for Aeronautics which develops Minimum Operational Performance Standards (MOPS) for airborne electronic devices and systems. MOPS are used by the Federal Aviation Administration (FAA) and others to standardize the function of devices and systems used in the National Airspace System. Participates with other organizations whose activities affect pilots.

Keywords aviation; avionics; airborne electronics; transportation;

ALLIANCE OF AMERICAN INSURERS

Paul S. Wise, President

1501 Woodfield Road
Suite 400 West
Schaumburg, Illinois 60195-4980
(312) 490-8500

Founded: 1922

Standards Staff: 1

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	80 Representatives serving on 100 standards committees of ANSI, NFPA, ASTM, and ASME.
Scope	A membership organization of 160 property/casualty insurers addressing the spectrum of insurance related issues.
Standardization Activities	Financially supports, through ANSI and NFPA, the consensus development of safety and health standards, as well as provides technical representatives to assist in formulating standards. To maximize the usefulness of the standards alliance, representatives urge performance standards where practicable. Standards are used in training seminars and in evaluating hazards and risks.
Formerly	American Mutual Insurance Alliance National Association of Mutual Casualty Companies
Keywords	insurance; loss control; fire protection; safety; industrial hygiene;

ALUMINUM ASSOCIATION

J. W. Barr, Director, Standards

818 Connecticut Avenue NW.
Washington, D.C. 20006
(202) 862-5138

Telex: 710-822-1129

Founded: 1933

Standards Staff: 2

Type of Organization	Trade Association Standards Developer
Standards Development	7 active standards Processed through ANSI
Standards Designation	ANSI H35.x
Certification	No certification, qualification, or accreditation programs
Secretariats	ANSI Standards Committee H35 on Aluminum and Aluminum Alloys
Scope	<p>Serves the public as a source of noncommercial, industrywide information on aluminum and the aluminum industry. Membership embraces producers of primary ingot, sheet, and plate; and leading extruders, foundries, secondary smelters, forging firms, and producers of aluminum electrical conductor. Represents virtually all U.S. primary aluminum production and 85 percent of semifabricated aluminum product shipments.</p> <p>Functions include developing, publishing, and distributing technical data, collecting and publishing industry statistics, and conducting school programs and industry seminars.</p>

Standardization Activities Activities of the association are the basis for the majority of government, American Society for Testing and Materials, company, and other specifications for aluminum and aluminum alloy products. Specific publications include: Aluminum Standards and Data (published biennially), Drafting Standards--Aluminum Extruded and Tubular Products, Designation System for Aluminum Finishes, Specifications for Aluminum Structures, and Standards for Aluminum Sand and Permanent Mold Castings. The association also publishes, in cooperation with the American Society for Metals, the European Aluminium Association, the Japan Light Metals Association, and the Aluminium Development Council (Australia), a monthly abstract journal of the world's technical literature on aluminum.

Availability Directly through ANSI

Keywords aluminum; alloys; metallurgy; materials;

AMERICAN ACADEMY OF PEDIATRICS

M. Harry Jennison, Executive Director

1801 Hinman Avenue
Evanston, Illinois 60204
(312) 869-4255

Founded: 1930

Type of Organization Professional Society
Standards Developer

Scope Pan-American association of physicians certified in the care of infants, children, and adolescents. Twenty-two thousand Fellows in 66 countries.

Standardization Activities Publishes recommended guidelines and manuals to help health professionals in their treatment of children. These recommendations have been used by regulatory agencies to establish standards for pediatric care. These include guidelines for perinatal care, hospital care for newborn infants, children and youth, pediatric nutrition, day care centers, and treatment of infectious diseases.

Availability Distributed directly

Keywords children; medical; day care; health care;

AMERICAN ALLIANCE FOR HEALTH, PHYSICAL EDUCATION, RECREATION AND DANCE

Jack E. Razor, Executive Vice President

1900 Association Drive
Reston, Virginia 22091
(703) 476-3400

Founded: 1885

Type of Organization Professional Society
Standards Developer

Certification Certification programs are implemented at the state level through activities of AAHPERD members. Professional preparation programs in colleges are developed using AAHPERD standards.

Scope A voluntary professional organization for education in the fields of recreation and dance. Promotes the improvement of education

through such professional services as consultation, periodicals and special publications, leadership development, determination of standards, public information, and research.

**Standardization
Activities**

Standards are national in scope and are promoted through the education of teachers and professionals in allied fields. Publishes over 30 books and pamphlets containing guidelines and standards. With funding from the Department of Health, Education and Welfare, prepared Guidelines for Professional Preparation for Personnel Involved in Physical Education and Recreation for the Handicapped. Cooperates with other organizations such as the Association for the Advancement of Health Education, National Association for Sport and Physical Education, and the American Association for Leisure and Recreation.

Keywords

physical education; health care; recreation; dance; physically handicapped;

AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY

Ronald E. Whorton, M.P.H., Executive Vice President

1725 K Street NW., Suite 1010
Washington, D.C. 20006
(202) 857-0717

Founded: 1948

**Type of
Organization**

Scientific/Professional Society
Works through other organizations to develop standards

Scope

A nonprofit organization of professional chemists who specialize in clinical chemistry.

**Standardization
Activities**

The Standards Committee carries out background development of standard methodology and materials, and collaborates closely with the International Federation of Clinical Chemistry and the National Committee on Clinical Laboratory Standards, particularly in programs on nomenclature, proteins, and enzymes. Maintains close alliance with the clinical laboratory programs of the U.S. National Bureau of Standards in developing specifications for new standard reference materials, and with the Center for Disease Control and the Food and Drug Administration in evaluating methods and performance in the field. Methods and recommendations are published in the journal, Clinical Chemistry, or in the book series, Standard Methods in Clinical Chemistry.

Formerly

The American Association of Clinical Chemists (1975)

Keywords

clinical chemistry; laboratory testing;

AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION

John F. Magnotti, Jr., Ph.D., Executive Director

1001 North Highland Street, #201
Arlington, Virginia 22201
(703) 528-0072

Founded: 1978

**Type of
Organization**

Scientific Organization
Standards Developer

Standards Development	100 active members 35 accredited laboratories in 18 states 6 fields of testing
Certification	Accredits laboratories on a voluntary basis. Accreditation is renewed on a two year interval with interim redocumentation.
Scope	Accreditation for testing laboratories and/or inspection agencies on the basis of technical competence. Membership available to individuals, partnerships, corporations, universities, research organizations, associations, and government agencies. Accreditation available to any laboratory anywhere. Fields of testing include metrology, electrical, optics and photometry, thermal, nondestructive, chemical, biological, acoustics and vibration, mechanical, construction materials, and geotechnical.
Standardization Activities	Employs ISO Guide 25 for generic criteria. Specific criteria for each field of testing are developed with the use of national standards. Participates in U.S. delegations to International Laboratory Accreditation Conferences. Laboratory assessment is accomplished through a formal process starting with an application, with detailed documentation used for initial review, and subsequent on-site inspection and proficiency testing.

Keywords testing; accreditation; laboratory;

AMERICAN ASSOCIATION FOR RESPIRATORY THERAPY

Sam P. Giordano, Executive Director

1720 Regal Row
Dallas, Texas 75235
(214) 630-3540

Founded: 1947

Type of Organization	Professional Society Standards Developer
Standards Development	Develops standards concerning administrative, clinical, and technical aspects of respiratory care. Standards available for review.
Standards Designations	AART prefix
Scope	The sole developer of clinical standards for respiratory care practices. Cooperates to develop administrative standards with such organizations as the Joint Commission of Accreditation of Hospitals. Develops technical standards in cooperation with the American National Standards Institute (ANSI), the Association for the Advancement of Medical Instrumentation (AAMI) and the National Fire Protection Association (NFPA). Also develops clinical standards in cooperation with appropriate regulatory agencies and sponsoring organizations.
Standardization Activities	Maintains a Standards Committee which responds to requests for standard development from various groups. The Standards Committee also reviews existing data and develops documents without outside requests for such activity. Standards developed in cooperation with other organizations and approved by AART directors are officially endorsed and published. All standards developed are reviewed every five years. Amends documents prior to mandatory review period if significant changes have occurred to warrant such amendments.

Availability Distributed directly

Keywords respiratory care; respiratory therapy; clinical practice; health care;

AMERICAN ASSOCIATION OF ADVERTISING AGENCIES

Leonard S. Matthews, President

666 Third Avenue
New York, New York 10017
(212) 682-2500

Founded: 1948

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1948
5 active standards

Scope Fosters, strengthens and improves the advertising agency business; advances the cause of advertising; and aids member agencies to operate more efficiently and profitably.

Standardization Activities Cooperates with other industry organizations to develop standards for the graphic arts industry dealing with magazine publication. They are Recommended Standard Specifications for Advertising Reproduction Material in Magazine Letterpress Wet Printing; Standard Color Control Bars, approved by the American Photoengravers Association; and AAAA/MPA Standard 4-Color Process Proofing Inks, issued by the National Association of Printing Ink Makers; Production Operating Communication Standards for Magazine Paper Mills, Printers and Publishers; and Recommended Standard Specifications for Advertising Production Material for Magazine Web Offset Printing issued by AAAA/MPA/American Business Press (ABP). These standards have the common purpose of improving the reproduction of advertisements in magazines.

Availability Distributed directly

Keywords magazines; publishing; advertising; communications; printing;

AMERICAN ASSOCIATION OF BIOANALYSTS

David Birenbaum, Administrator

818 Olive, Suite 918
St. Louis, Missouri 63101
(314) 241-1445

Founded: 1954

Type of Organization Professional Society
Standards Developer

Certification Active in certification and accreditation of bioanalyst laboratory directors, laboratory supervisors, and clinical laboratories as a sponsoring organization of the American Board of Bioanalysis.

Scope Professional organization of scientists and bioanalyst laboratory directors which devotes its efforts to clinical laboratory procedure and testing.

Standardization Activities	Maintains a national program of external quality control known as The Proficiency Testing Service, a program in which independent laboratories, hospitals, and physician office laboratories must participate as a condition for Medicare approval. In the Proficiency Testing Service, AAB is involved in developing, handling, and shipping various materials, and is required to examine such materials for stability. Included also are control and standards for use in clinical laboratory disciplines. AAB's program is under the guidance of the Board of Scientific Advisers.
Formerly	Merger of National Association of Clinical Laboratories and American Bioanalysts Association.
Keywords	bioanalysis; clinical laboratory; testing; public health;

AMERICAN ASSOCIATION OF BLOOD BANKS

Gilbert M. Clark, Executive Director

1117 North 19th Street, Suite 600
Arlington, Virginia 22209
(703) 528-8200

Founded: 1947

Standards Staff: 2

Type of Organization	Professional Society Standards Developer
Standards Development	Standards developer since 1958 600 members participating in standards activities 279 active standards None processed through ANSI
Standards Designation	AABB prefix
Government Adoption	Department of Health and Human Services, Food and Drug Administration has adopted AABB Standards in the CFR Title 21. The Department of Defense has adopted AABB Standards and stocks them in their hospital and blood collecting facilities. Several State health departments have adopted AABB Standards as basis for regulation.
Certification	Inspection and Accreditation Program which, through inspecting and accrediting facilities, strives to improve the quality and safety of transfusions, and assists the medical director of a blood bank or transfusion service in determining whether methods, procedures, and personnel meet established AABB standards. Several states accept AABB inspections as equivalent to their state inspections for licensing requirements.
Scope	A professional, nonprofit scientific and administrative association for those individuals and institutions engaged in the many facets of blood banking. Membership includes physicians, scientists, medical technologists, administrators, blood bankers. Serves as the focus for the advancement of the professional practice of blood procurement, transfusion therapy, and related fields.
Standardization Activities	Maintains Committee on Standards which develops and publishes standards of minimal acceptance practice applicable to relevant aspects of blood banking; maintains liaison with other organizations including CAP; Health Care Finance Administration (HCFA), and Bureau of Biologics (BoB); reviews and approves methods which deviate from standards, and reviews the applications of those institutions requesting such approval; and reviews histocompatibility studies for inclusion in standards.

Availability Distributed directly and through the DoD Military Blood Catalogue
Keywords blood banks; transfusion; public health;

AMERICAN ASSOCIATION OF CEREAL CHEMISTS

Raymond J. Tarleton, Executive Vice President
3340 Pilot Knob Road
St. Paul, Minnesota 55121
(612) 454-7250
Founded: 1915

Type of Organization Scientific Society
Standards Developer

Standards Development Standards developer since 1924
250 members active in standards development
32 technical committees assist in standards work
350 standard methods and procedures

Standards Designations AACC Approved Methods 00-00

Government Adoption Largely used by the Federal Grain Inspection Service of the USDA and FDA in the area of cereals.

Certification Provides certification program for "Sanitation Analyst". Specialized area for quantitative and qualitative analysis of food products for possible contamination by insects, rodents, or other foreign matter of animal origin.

Scope An international society which develops and standardizes analytical methods used in the milling and baking industries. Expanded in latter years to cover entire cereal processing industry and to advance and encourage research on all cereal grains and related materials. Methodology is related to all needs of the cereal scientist, from sampling, inorganic and organic ingredients, and microbiology, to chemical residues, additives, and sanitation.

Standardization Activities Develops methodology rather than standards per se. Cooperates with the Association of Official Analytical Chemists, American Oil Chemists Society and ASTM. Subjects include analytical methods, laboratory baking procedures, testing methods and apparatus for flours and doughs, flour specifications, and sanitation methods.

Availability Sold directly or through bookstores

Keywords cereals; cereal chemistry; grain; grain storage; nutrition; food; agriculture; sanitation;

AMERICAN ASSOCIATION OF MOTOR VEHICLE ADMINISTRATORS

Donald J. Bardell, Executive Director
1201 Connecticut Avenue NW.
Suite 910
Washington, D.C. 20036
(202) 296-1955
Founded: 1933
Program Staff: 5

Type of Organization	Voluntary Nonprofit Association of State and Provincial Officials Works through other organizations to develop standards
Representation	Members and staff representatives active in standards setting committees of SAE, ANSI, ASTM, Canadian Standards Association, National Highway Traffic Safety Administration (NHTSA), CPSC, Economic Commission for Europe (ECE), and Federal Highway Administration (FHWA).
Scope	An organization responsible for the administration and enforcement of motor vehicle and traffic laws in the U.S. and Canada. Provides the principal forum where state and provincial officials exchange information on developments in the industry and maintain liaison between industry and Federal Government.
Standardization Activities	<p>Activities are directed toward promoting uniform laws and regulations for motor vehicle administration, traffic law enforcement, highway safety, and the standardization and uniform enforcement of these laws. Principal functions are in the areas of: model program development in disciplines relating to motor vehicle administration, police traffic services, and highway safety; an information clearinghouse; and as the industry spokesman.</p> <p>Services include advice and counsel in various facets of driver services, vehicle services, safety equipment services, commercial motor carrier activities, including interstate and provincial reciprocity, and program planning and systems development.</p> <p>With the dissolution of the Vehicle Equipment Safety Commission, AAMVA serves as the repository for the series of standard performance requirements and test procedures for motor vehicles and equipment developed by the commission.</p>
Keywords	motor vehicle; automobile; safety; traffic laws; transportation; government officials;

AMERICAN ASSOCIATION OF NEUROLOGICAL SURGEONS

see **JOINT COMMITTEE ON DEVICES AND DRUGS**

AMERICAN ASSOCIATION OF NURSERYMEN

Robert F. Lederer, Executive Vice President

1250 Eye Street NW.
Washington, D.C. 20005
(202) 789-2900

Founded: 1876

Type of Organization	Trade Association Standards Developer
Standards Designation	American Standards for Nursery Stock ANSI-Z60.1 - 1980
Scope	Enables nurserymen to work on those projects and activities which foster the general welfare of the industry and their customers.
Standardization Activities	Develops grades and standards for the use of nurserymen, landscape architects, landscape contractors, governmental agencies, and others preparing lists and specifications for trading in trees, shrubs, roses, vines, fruit trees, small fruit, bulbs, tubers, and forest tree seedlings through its Horticulture Standards Committee. Standards contain height, caliper, root size,

root ball, container size and various other standardized means of describing nursery plants.

Availability Distributed directly and through ANSI
Keywords horticulture; nursery plants; agriculture;

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Fred A. Dix, Jr., Executive Director

1444 South Boulder
Tulsa, Oklahoma 74119
(918) 584-2555

Founded: 1917

Type of Organization Professional Society
Standards Developer

Government Adoption Code of Stratigraphic Nomenclature has been adopted by the American Commission of Stratigraphic Nomenclature.

Scope A professional society of geologists engaged in the exploration for hydrocarbons research and teaching.

Standardization Activities Maintains two committees active in standardization activities. The Stratigraphic Correlations Committee publishes a Code of Stratigraphic Nomenclature. The Committee on Statistics of Drilling works with the American Petroleum Institute and various government agencies to develop a standardized form for recording data on oil and gas drilling. Cooperates with other organizations to develop standard definitions for the petroleum industry.

Availability Distributed directly

Formerly Southwest Association of Petroleum Geologists (1917)

Keywords petroleum; geology; energy; data processing;

AMERICAN ASSOCIATION OF POISON CONTROL CENTERS

Dr. Barry Rumack, President

Rocky Mountain Poison Center
645 Bannock Street
Denver, Colorado 80204-4507
(303) 893-7774

Founded: 1957

Type of Organization Trade Association
Standards Developer

Scope Promotes and encourages the development of improved methods for the prevention and treatment of acute poisoning, and furthers the exchange of information about such activities among its members.

Standardization Activities Maintains a Committee on Educational Activities which develops materials that will be of value to poison control and information centers in educating the lay public about the hazards of, and the prevention of, acute poisoning in and about the home.

A Committee on Public Education develops aids for the training of professional personnel in the prevention of acute poisoning.

A Committee on Operation of Centers prepares standard recommended practices for poison control and poison information centers. These have been accepted as tentative standard recommended practices for the establishment and operation of properly qualified centers.

Availability Distributed directly

Keywords poison control; medical; social welfare;

AMERICAN ASSOCIATION OF PSYCHIATRIC SERVICES FOR CHILDREN

Dr. William E. Stone, Executive Director

1001 Connecticut Avenue NW.
Suite 800
Washington, D.C. 20036
(202) 833-9775

Founded: 1948

Type of Organization Professional Society
Standards Developer

Certification AAPSC provides certification to approved training programs in career child psychiatry and child psychology, as well as to individuals who have been trained in career child psychiatry.

Scope Membership consists of 180 child psychiatric services that foster prevention of mental and emotional disorders, and further the development and application of clinical knowledge dealing with child mental health.

Standardization Activities Provides leadership in defining and maintaining standards of clinical practice, organization of treatment, and specialized training.

To be eligible for accreditation, a child psychiatric facility must provide proof of its continuity of service, together with the training background of its key staff members. The AAPSC membership committee reviews treatment approaches and case histories submitted by the applicant, followed by a site visit. Training clinics are similarly evaluated before accreditation.

Keywords mental health; psychiatric services; children; health care;

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS

Francis B. Francois, Executive Director

444 North Capital Street NW., Suite 225
Washington, D.C. 20001
(202) 624-5800

Founded: 1914

Type of Organization State Government Association
Standards Developer

Standards Development 176 standards, 9 recommended practices
Many specifications agree with those of the American Society for Testing and Materials

Standards Designation Materials Specifications: M-XXX
Test Methods: T-XXX
Recommended Practices: R-XXX

Government Adoption	The Federal Highway Administration has adopted AASHTO standards by reference in the Code of Federal Regulations.
Certification	No certification, qualification, or accreditation programs. The AASHTO Materials Reference Laboratory (AMRL), established at the National Bureau of Standards, promotes uniformity in the testing of construction materials by public or private sector laboratories serving the construction field.
Scope	Fosters development, operation, and maintenance of a nation-wide integrated transportation system and cooperates with other appropriate agencies in considering matters of mutual interest in serving the public need.
Standardization Activities	<p>Publishes The Standard Specifications for Transportation Materials and Methods of Sampling and Testing, containing 176 specifications and 9 recommended practices. Maintains a Subcommittee on Materials which has members representing each of the 50 States, the Commonwealths of Puerto Rico and the Northern Mariana Islands, the District of Columbia, the United States Department of Transportation, the New Jersey Turnpike Authority, 6 Canadian Provinces and 2 Territories.</p> <p>Publishes Interim Specifications which have the same status as standards of the American Association of State Highway and Transportation Officials, but are tentative revisions to be approved by the Subcommittee prior to issuance as standards of the Association.</p> <p>Also publishes: Standard Specifications for Highway Bridges; A Policy on Geometric Design of Rural Highways; and A Policy on Design of urban Highways and Arterial Streets.</p>
Availability	Sold directly and through ANSI
Formerly	American Association of State Highway Officials (1973)
Keywords	transportation; highways; construction materials; government officials;

AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS

William R. Martin, Executive Director

P.O. Box 12215
Research Triangle Park, North Carolina 27709
(919) 549-8141

Founded: 1921 Standards Staff: 7

Type of Organization	Technical Society Standards Developer
Standards Development	<p>Standard Developer since 1921</p> <p>850 members participating in standards activities</p> <p>119 active standards</p> <p>Most AATCC Test Methods become American National Standards through ANSI</p> <p>Drafts of proposed or revised test methods available for review</p>
Standards Designation	AATCC prefix
Government Adoption	Various government agencies have either adopted or adapted a number of AATCC test methods.
Certification	No certification, qualification, or accreditation programs

Secretariats	ISO/TC 38/SC1, Colour fastness and Colour measurement ISO/TC 38/SC2, Laundering, Drycleaning and Finishing USA TAG for ISO/TC 38-Textiles
Scope	<p>Promotes increased knowledge of the application of dyes and chemicals in the textile industry; encourages, in a practical way, research on chemical processes and materials of importance to the textile industry; and promotes the exchange of professional knowledge.</p> <p>Membership includes many leading textile chemists and colorists in nearly every state and 50 countries. Some 300 companies support the association as corporate members.</p>
Standardization Activities	<p>Internationally recognized for its standard methods of testing dyed and chemically treated fibers and fabrics to measure such performance characteristics as colorfastness to light and washing, crease resistance, shrinkage, wash-and-wear, water resistance, flammability, and other conditions to which textiles may be subjected. Assures textile quality and performance by controlled AATCC test methods.</p> <p>Maintains cooperative relationships with other associations and agencies of the Federal Government. Participates in the International Organization for Standardization (ISO) in an effort to bring about worldwide uniformity in testing procedures.</p> <p>Publishes Textile Chemist and Colorist, issued monthly, and an annual Technical Manual containing the association's test methods. Collaborates with the British Society of Dyers and Colourists on numerous projects.</p>
Availability	Distributed directly and through IHS and Global
Keywords	textiles; chemistry; dyes; finishes; colorfastness; flammability; laboratory testing;

AMERICAN AUTOMOBILE ASSOCIATION

J. B. Creal, President

8111 Gatehouse Road
Falls Church, Virginia 22047
(703) 222-6334

Telex: 89-9485

Founded: 1902

Type of Organization	Trade Association Works through other organizations to develop standards
Scope	Federation of 168 motor clubs serving more than 23 million members throughout the United States and Canada. A nonprofit, tax paying organization, which provides auto and travel related services to its members, and works in behalf of the best interests of the motoring and traveling public to promote safer and more enjoyable travel.
Standardization Activities	Participates in the development of proposed standards of various types relating to increasing the safety and convenience of pedestrians in traffic. Develops detailed methods and various proposed standards for training new drivers. Represented on committees of the Transportation Research Board, National Safety Council, and National Committee on Uniform Traffic Laws and Ordinances whose major purpose is to develop standards which pertain to highway and traffic safety.

Cooperates with other organizations to develop standards for the operation of school safety patrols and adult crossing guards, and in standards activities in the fields of traffic law enforcement, traffic training procedures, and automotive engineering.

Keywords motor vehicle; transportation; traffic laws; highway safety;

AMERICAN BANKERS ASSOCIATION

Cynthia L. Fuller, Assistant Director, Standards

1120 Connecticut Avenue NW.
Washington, D.C. 20036
(202) 467-4296

Founded: 1875

Type of Organization Trade Association
Standards Developer

Standards Development 9 active standards
All processed through ANSI

Standards Designation ANSI X9.x

Secretariats ANSI Committee X9, Financial Services
Administrator, U.S. Technical Advisory Group ISU/TC 68, Banking

Scope A national trade and professional association for 13,000 commercial banks. Enhances the ability of America's banks and bankers to serve the needs and desires of the American public.

Standardization Activities Engages in standards development in the area of financial services operations, including electronic retail financial transactions, checks, securities, and bank operations. Also participates in international standards development for the financial services industry.

Published standards include magnetic stripe for Track III; interchange message specifications for debit and credit card message exchange; specifications for check endorsements; specifications for optical character recognition (OCR) scannable bill line; financial institution numbering system; specifications for bank check background and convenience amount field; personal identification number (PIN) management and security; financial institution message authentication.

Availability Distributed directly and through ANSI

Keywords banking; financial services; finance;

AMERICAN BOAT AND YACHT COUNCIL

G. James Lippmann, Executive Director

190 Ketcham Avenue
P.O. Box 806
Amityville, New York 11701
(516) 598-0550

Founded: 1954

Standards Staff: 5

Type of Organization Technical Society
Standards Developer

Standards Development	70 standards currently active 20 project technical committees 220 committee members are active in standards development
Standards Designation	ABYC prefix
Government Adoption	U.S. Coast Guard References ABYC standards.
Scope	An independent, nonprofit, membership organization representative of recreational boating including members from industry, insurance, Government, and the boating public. Membership consists of 800 individuals and 60 corporations and associations.
Standardization Activities	<p>Develops safety standards and recommended practices for the design, construction, equipment, and maintenance of boats and their related accessories. Standards are generated by project technical committees and reviewed by the ABYC Technical Board and Board of Directors prior to publication. Standards provide a basis for certification programs of other organizations and are used as source material by the U.S. Coast Guard in their development of safety regulations under the Boating Safety Act of 1971.</p> <p>Individual members work voluntarily through committees and boards to implement the boating safety standards program. In addition, liaison is maintained with other organizations by means of memberships on: NFPA 302, Subcommittee on Motor Craft; SAE Marine Technical Committee; UL Marine Engineering Council; National Safe Boating Council; National Boating Safety Advisory Council; Rules of the Road Advisory Council; ASTM F-15.10, Gasoline Containers for Consumer Use; and ISO/TC 8/SC 14, Shipbuilding - Yachts.</p>
Availability	Distributed directly
Keywords	boats; boating safety; transportation; recreation;

AMERICAN BOILER MANUFACTURERS ASSOCIATION

	W. H. Axtman, Executive Director
	950 North Glebe Road, Suite 160 Arlington, Virginia 22209 (703) 522-7350
	Founded: 1888
Type of Organization	Trade Association Standards Developer
Secretariats	NFPA 85, Committee on Boiler Furnace Explosions
Scope	Manufacturers of boilers and allied equipment; compiles statistics and conducts training programs.
Standardization Activities	Maintains a Technical Committee, the Packaged Firetube Boiler Section, which publishes ratings standards titled Packaged Firetube Boiler Ratings. Also publishes a lexicon of industry terminology, coal analysis, and accessory product definitions.
Availability	Distributed directly
Formerly	American Boiler Manufacturers Association and Affiliated Industries (1960)
Keywords	boilers; heating; industrial equipment;

AMERICAN BOWLING CONGRESS

David Lumley

Manager, Equipment Testing and Research

5301 South 76th Street
Greendale, Wisconsin 53129
(414) 421-6400

Founded: 1995

Standards Staff: 5

Type of Organization

Trade Association
Standards Developer

Certification

All bowling lanes under the jurisdiction of the ABC are certified annually by representatives of local bowling associations chartered by ABC. Lanes are measured and checked to assure that physical properties and dimensions correspond to ABC specifications. When found to meet all specifications, an ABC decal is issued for posting in the establishment.

Scope

A nonprofit, noncommercial, membership service organization for male bowlers. Sponsors competitions; provides standard rules and tests. Approves material and equipment.

Standardization Activities

Instrumental in developing specifications for playing equipment used worldwide. Maintains an equipment testing and research department that works with new products brought to it for consideration, and also maintains a constant check on products already in use. Publishes equipment specifications annually in ABC Constitution, Rules and Specifications. Standards developed for bowling balls, pins, pinsetting machines, and foul detectors. Equipment specifications are printed annually in the ABC Constitution, Rules and Specifications book.

Availability

Distributed directly

Formerly

Absorbed the United States Seniors Bowling Association (1964)

Keywords

bowling; recreation;

AMERICAN BRUSH MANUFACTURERS ASSOCIATION

Robert G. Clifton, Managing Director

1900 Arch Street
Philadelphia, Pennsylvania 19103
(215) 364-3484

Founded: 1918

Type of Organization

Trade Association
Standards Developer

Standards Designations

ANSI B165.1 and B165.2

Scope

The national trade association representing manufacturers of brushes, brooms, and mops, together with suppliers of parts, materials, machinery, and services. ABMA maintains several divisions organized by type of product including paint applicator, personal, household maintenance, broom and mop, and industrial.

Standardization Activities

All current standard activities are conducted by the Safety and Standards Committee of the Industrial Division which works closely with ANSI. The main thrust of two standards developed to

date is concern with safe operation of power driven rotary wheel-type brushes. ANSI B165.1 (1979) defines safety requirements for the design, care, and use of power driven brushing tools; and ANSI B165.2 (1982) covers safety requirements for power driven brushing tools constructed with wood, plastic, or composition hubs and cores.

Availability Directly from ANSI

Keywords brushes; industrial equipment; safety;

AMERICAN BUREAU OF SHIPPING

Lawrence Mavretish, Principal Surveyor

65 Broadway
New York, New York 10006
(212) 440-0300

Telex: 710-581-3089

Founded: 1862

Type of Organization Technical Society
Standards Developer

Standards Development Establishes and administers standards called "Rules" for the design, construction, and periodic survey of merchant ships and other marine structures; publishes 13 volumes of Rules and 11 guides in various languages; and publishes the Record, a registry of 53,000 merchant vessels.

Standards Designation ABS prefix

Government Adoption ABS is authorized by USCG to act on their behalf in reviewing plans and inspecting U.S. flag vessels which are certified by the USCG. USCG also recognizes ABS to perform admeasurement of vessels and issue tonnage certificates on their behalf. Under the Merchant Marine Act of 1920, ABS is recognized as a U.S. Government agency for classification of merchant vessels it may own.

Certification ABS has separate volumes of Rules and Requirements for the Certification of Cargo Containers and for Cargo Gear. Also classification involves various certifications to provide assurance that the ABS Rules are met such as those of design plans, machinery components, welders, etc.

Secretariats International Association of Classification Societies (IACS)

Scope An international ship classification society and nonprofit corporation. Objectives include: preparation of standards, called "rules", for the construction of hulls and machinery of merchant ships, including material specifications and regulations for periodic surveys. Rules published annually and modified to keep pace with developments in shipbuilding and marine engineering; analysis of plans of vessels projected to be built, or conversions of existing vessels, to verify that they meet the standards set by the rules; verification of the building to approved plans of the new hull and its main machinery, boilers and vital auxiliaries, and the conversion of existing vessels; witnessing of the testing of materials of construction for hull and machinery as required by the rules; carrying out periodic and damage surveys as called for by the rules; annual publication of the Record of the American Bureau of Shipping which contains essential details of hull and machinery and survey status of bureau-classed vessels and others; issuance of certificates of character for bureau-classed vessels, i.e., classification certificates, seaworthy certificates, confirmation of class certificates, etc.

Also recognized by numerous governments to conduct surveys and issue certificates in accordance with international conventions (such as the Loadline Convention - 1966, Safety of Life at Sea Convention - 1974, and Tonnage Convention - 1969) and national regulations.

Standardization Activities Promulgates and annually updates its Rules through committees composed of individuals internationally eminent in their marine field.

Availability Distributed directly through all offices of ABS

Formerly American Shipmaster's Association (1862-1898)

Keywords merchant ships; vessels; marine engineering; transportation; containers; safety;

AMERICAN BUS ASSOCIATION

Norman R. Sherlock, President

1025 Connecticut Avenue NW.
Washington, D.C. 20036
(202) 293-5890

Founded: 1926

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ANSI, Department of Transportation, Interstate Commerce Commission

Scope A national trade association for the intercity motor bus industry with membership of 450 bus operating companies, 21 state and regional bus associations, and 75 bus manufacturers, suppliers, and others interested in bus transportation.

Standardization Activities Concerned with the development of standards and requirements in matters affecting motor carrier and motor vehicle safety and occupational safety and health. Included are operation, maintenance, and inspection of vehicles, safety-related parts and accessories such as brakes, tires, lights, windows, seats, etc.; control of noise and pollutant emissions; and accident reporting. Cooperates with the U.S. Department of Transportation, and participates in the work of voluntary groups, such as those sponsored by the American National Standards Institute. Works with Federal and state legislative groups in connection with standardization of vehicle sizes and weights.

Also works with the Interstate Commerce Commission and other interested Government agencies, and industry groups in connection with standards and requirements relative to such matters as accounting, reporting of financial and operating data, certification of operating authorities, and vehicle registration.

Association committees and staff representatives are primarily responsible for its standardization activities. Included are committees on Safety, Vehicle Safety Standards, Maintenance and Inspection, and Accounting.

Formerly Motor Bus Division of American Automobile Association
National Motor Bus Division of American Automobile Association
National Association of Motor Bus Operators (1960)

Keywords bus transportation; transportation; vehicles;

AMERICAN CHAIN ASSOCIATION

Greg Bocchi, Director

1133 Fifteenth Street NW.
Washington, D.C. 20005
(202) 429-9440

Founded: 1971

**Type of
Organization**

Trade Association
Works through other organizations to develop standards

Representation

12 members active in ACA standardization serving on ASME, ANSI, and ISO standards committees

Scope

Manufacturers of sprocket-driven chain and sprockets for power transmission and the conveyance of materials.

**Standardization
Activities**

Active in standardization of dimensions of roller, silent, engineering steel and malleable iron chains, sprockets and wheels for the purpose of securing interchangeability, and also in standard recommendations for power capacity and speed for these chains. Does not publish standards, preferring to sponsor standards for adoption through the procedures of the American National Standards Institute (ANSI). Cooperates with the American Society of Mechanical Engineers, Society of Automotive Engineers, American Petroleum Institute, Conveyor Equipment Manufacturers Association, and the American Gear Manufacturers Association in standardization matters of mutual interest. ANSI standards covering chain include B29.1 through B29.22. Participates in the work of Technical Committee 100 of the International Organization for Standardization.

Formerly

Association of Roller and Silent Chain Manufacturers and Malleable Chain Manufacturers Institute
American Chain Sprocket Chain Manufacturers Association

Keywords

chain; sprockets; power transmission; machinery;

AMERICAN CHEMICAL SOCIETY

COMMITTEE ON ANALYTICAL REAGENTS
Wallace Rohrbough, Chairman

c/o Books Department
American Chemical Society
1155 Sixteenth Street NW.
Washington, D.C. 20036
(202) 872-4600

Founded: 1876

**Type of
Organization**

Scientific Society
Standards Developer

**Standards
Development**

331 existing standards for reagents; 29 under development
None processed through ANSI

**Standards
Designations**

ACS prefix

Scope

Sets standards by which manufacturers can classify their reagents for sale as ACS Grade. Those reagents labelled as such are known to purchasers to be of a certain purity and to meet certain maximum and minimum requirements.

Standardization Activities Develops and publishes standards for reagent chemicals that have utility in analytical chemistry work. Revises existing standards with new and improved methods. Considers new standards for additional useful reagents. Standards and revisions are available for review by nonmembers. Publishes specifications in a volume titled "Reagent Chemicals" at approximately five-year intervals.

Availability Distributed directly

Formerly Committee on the Purity of Chemical Reagents (1903-27)

Keywords chemicals; reagents; analysis; testing; materials;

AMERICAN COLLEGE OF SURGEONS

C. Rollins Hanlon, Director

55 East Erie Street
Chicago, Illinois 60611
(312) 664-4050

Founded: 1913

Type of Organization Professional Society
Standards Developer

Standards Development The national organization responsible for the standardization and approval of hospital cancer programs in the United States.

Scope An association of 45,000 surgeons organized for the primary purpose of improving the quality of care for the surgical patient by elevating the standards of surgical education and practice.

Standardization Activities Cooperates with other recognized national medical organizations in the accreditation of hospitals and in the approval of graduate training programs in general surgery and the surgical specialties. Active in the establishment of medical instrumentation standards, and its representatives serve on committees of ANSI, ASTM, and AAMI.

Availability Distributed directly

Keywords medical care; surgery; medical training; cancer; medical instruments;

AMERICAN CONCRETE INSTITUTE

Samuel J. Henry, Director of Engineering

22400 West Seven Mile Road
Detroit, Michigan 48219
(313) 532-2600 Telex: 810 2211454

Founded: 1905 Standards Staff: 4

Type of Organization Technical Society
Standards Developer

Standards Development Standards developer since 1906
1600 members participate in standards activities
31 active standards, including 3 metric
All processed through ANSI
Draft standards available for review

Standards Designations ACI prefix, plus committee number, plus year

Government Adoption	The Department of Defense has adopted 12 ACI standards
Certification	No certification, qualification, or accreditation programs
Scope	Devotes its effort to the solution of technical problems related to the design, construction, and maintenance of concrete and reinforced concrete structures and to the dissemination of information in this field.
Standardization Activities	<p>Eighty-four technical committees study specialized problems through the evaluation of published information, research reports, and majority opinion based on field practices leading to the development of committee reports. Many committee reports evolve into standards after technical review and discussion by the membership and letter ballot of the members.</p> <p>Standards are confined to codes, specifications, and standard practices related to structures as a whole. Standardization of basic materials and "over-the-counter" components are deliberately excluded from the scope of its standardization procedures.</p>
Availability	Distributed directly and through Global and IHS
Formerly	National Association of Cement Users (1913)
Keywords	concrete; reinforced concrete; structural design; construction;

AMERICAN CONCRETE PAVEMENT ASSOCIATION

	<p>Harold J. Halm, Executive Director</p> <p>2625 Clearbrook Drive Arlington Heights, Illinois 60005 (312) 640-1020</p> <p>Founded: 1964</p>
Type of Organization	Trade Association Standards Developer
Scope	Represents 200 construction firms, material suppliers, and equipment manufacturers on matters affecting the industry's relations with the public and public agencies. Seeks to improve the quality of concrete pavement and create new markets for members.
Standardization Activities	Prepares guide specifications on concrete pavement construction, rehabilitation, resurfacing, and restoration. Cooperates with state, federal, and local agencies in reviewing their specifications. Provides on request, recommendations regarding concrete pavement design and construction.
Keywords	concrete; pavement; construction; materials;

AMERICAN CONCRETE PIPE ASSOCIATION

	<p>Richard E. Barnes, President</p> <p>8320 Old Courthouse Road Vienna, Virginia 22180 (703) 821-1990</p> <p>Founded: 1907</p>	Standards Staff: 2
Type of Organization	Trade Association Works through other organizations to develop standards	

Representation ASTM, AASHTO, AREA

Scope An international trade association representing the precast concrete pipe industry. Activities include research, technical services, promotion, advertising, education, safety, and the publication of technical and industry information. Members produce concrete pipe box sections, and related products for storm sewers, sanitary sewers, and culverts; drain tile; irrigation systems; and low-head pressure systems.

Standardization Activities Not a standards developing organization, but works within the voluntary standards system to coordinate concrete pipe industry standards activities, and acts as the industry voice.

Industry related products are covered by national consensus standards developed by ASTM, AASHTO, and AREA. Manufacturing standards cover precast concrete products, such as nonreinforced pipe for sewers, culverts, drain tile, and irrigation; reinforced circular, arch and elliptical pipe, box sections, and manholes for sewers and culverts; reinforced circular pipe for low-head pressure systems; and perforated pipe. Other manufacturing standards cover joints, jointing materials, and resilient connectors for pipe to structure connections. Proof of design and quality assurance are covered by plant test methods standards. Acceptance of installed products is covered in standard practices for various field tests. Design standards for pipe and box sections cover determination of loads, stresses, and required structural strength.

Keywords sewer; culvert; irrigation; drain tile; construction;

AMERICAN CONCRETE PRESSURE PIPE ASSOCIATION

Richard E. Barnes, President

9320 Old Courthouse Road
Vienna, Virginia 22180
(703) 821-1990

Founded: 1949

Standards Staff: 2

Type of Organization Trade Association
works through other organizations to develop standards

Representation Primarily ASTM and AWWA

Scope An international trade association representing the concrete pressure pipe industry. Activities include research, technical services, promotion, public relations, advertising, education, and liaison with technical societies and government agencies. Its members produce precast concrete pressure pipe for transmission lines in irrigation, industrial and domestic water-supply systems, as well as distribution feeder mains, pressure siphons, sewer force mains, and sewer outfall lines.

Standardization Activities Not a standards developing organization, but works within the voluntary standards system to coordinate concrete pressure pipe industry standards activities, and acts as the industry voice.

Products of the industry are covered by national consensus standards developed by the American Society for Testing and Materials (ASTM) and the American Water Works Association (AWWA). Manufacturing standards cover reinforced concrete pressure pipe, reinforced concrete cylinder pipe, pretensioned concrete cylinder pipe, and prestressed concrete cylinder pipe.

Keywords water-supply; sewage; construction;

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

William D. Kelley, Executive Secretary

6500 Glenway Avenue
Building D-5
Cincinnati, Ohio 45211
(513) 661-7881

Founded: 1938

Standards Staff: 2

Type of Organization

Professional Society
Standards Developer

Standards Development

Standards developer since 1940's

Government Adoption

Various Federal agencies, including OSHA, Department of Labor

Secretariats

Threshold Limit Values for Chemical Substances Committee
Threshold Limit Values for Physical Agents Committee

Scope

A national professional association of practicing industrial hygiene and occupational safety and health personnel in Federal, state, and local agencies and educational institutions. Assembles guides, recommended practices, and technical background for the evaluation and control of the occupational environment.

Standardization Activities

Developed and annually revises the Threshold Limit Values which are recommendations on airborne contaminants and physical agents in workplaces. Used by professionals with direct responsibilities for worker health protection. Publishes the Industrial Ventilation Manual of Recommended Practices.

Availability

Sold directly

Keywords

industrial hygiene; airborne contaminants; occupational safety; Threshold Limit Values; industrial ventilation; public health; government officials;

AMERICAN CONGRESS ON SURVEYING AND MAPPING

John C. Uehlinger, Executive Director

210 Little Falls Street
Falls Church, Virginia 22046
(703) 241-2446

Founded: 1941

Type of Organization

Professional Society
Works through other organizations to develop standards

Certification

Organizing a Hydrographic Surveyor Certification Program

Scope

A national professional association representing 11,000 members in the fields of surveying and mapping; composed of three member organizations: National Society of Professional Surveyors (NSPS), American Association for Geodetic Surveying (AAGS), and American Cartographic Association (ACA).

Standardization Activities

Cooperates with ASCE, ANMC, International Cartographic Association (ICA), and International Federation of Surveyors (FIG) to promote standards in the fields of land and geodetic surveying and cartography.

Organizing and establishing a national committee for Digital Cartographic Data Standards with a USGS grant for ultimate government adoption of the standards. Works voluntarily through committees.

Keywords surveying; mapping; cartography; data processing;

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES

Joseph F. O'Neil, Executive Secretary

1725 K Street NW.
Washington, D.C. 20006
(202) 887-5872

Founded: 1937

Type of Organization Professional Society
Standards Developer

Standards Development Prepared a standard on laboratory qualification.
Participates with others developing standard test procedures and laboratory methods.

Certification Conducts a program with the Food and Drug Administration that involves training for selected personnel.

Scope A professional association of independent scientific laboratories whose membership includes many of the leading testing and inspection firms in the United States, Mexico, Central America, Japan, and Canada.

Standardization Activities Publishes a standard entitled Recommended Requirements for Independent Laboratory Qualification, which encompasses a quality control system for personnel and equipment evaluation as well as calibration and standardization in the system.

Promotes standards of ethics employed by independent laboratories in special fields of interest and activity including sampling, inspection, physical or nondestructive testing, and chemical analysis of raw, intermediate, and finished materials and products; research and development; the improvement of products or processes; the quality control of composition and performance; and professional consultation in various fields of scientific technology.

Does not write standards for products or materials but participates in writing test procedures and methodology in other standards-writing organizations. Cooperates with the National Bureau of Standards; Department of Defense and particularly the Army Corps of Engineers; General Services Administration; Department of Transportation; Department of Labor, Occupational Safety and Health Administration; Department of Health, Education and Welfare; Food and Drug Administration; and the Department of Agriculture.

Availability Distributed directly

Formerly American Council of Commercial Laboratories (1954)

Keywords laboratories; laboratory testing;

AMERICAN CRYSTALLOGRAPHIC ASSOCIATION

Ethel E. Snider, Administrative Secretary

335 East 45th Street
New York, New York 10017
(516) 349-7850

Founded: 1949

**Type of
Organization**

Scientific Society
Standards Developer

Scope

Promotes the study of the arrangement of atoms in matter, its causes, its nature, and its consequences, and the tools and methods used in such studies.

**Standardization
Activities**

The Apparatus and Standards Committee has promulgated standards for camera tracks and bases and has adopted dimensional specifications for goniometer heads.

An ACA appointed representative serves as a liaison to the National Bureau of Standards for the issuance of Crystal Data. This publication provides a complete list of crystalline substances as identified from unit cell dimensions.

Availability

Distributed directly

Formerly

Merger of the Crystallographic Society of America and the American Society for X-Ray and Electron Diffraction

Keywords

crystals; crystallography; instruments; testing;

AMERICAN DEFENSE PREPAREDNESS ASSOCIATION

Frank A. Hinrichs, Vice President
Technology and Management Advisory Service

1700 North Moore Street
Suite 900
Arlington, Virginia 22209
(703) 522-1820

Founded: 1919

**Type of
Organization**

Technical Society
Works through other organizations to develop standards

Representation

Primarily DOD

Scope

Concerned citizens, military personnel, and engineers interested in industrial preparedness for the national defense of the United States.

**Standardization
Activities**

Coordinates standards through programs, papers, symposia proceedings, panels. Works closely with government officials to develop standards, particularly in areas of engineering documentation and quality assurance.

Formerly

Army Ordnance Association (1947)
American Ordnance Association (1973)

Keywords

national security; defense;

AMERICAN DENTAL ASSOCIATION

Sharon Stanford, Standards Coordinator
Council on Dental Materials, Instruments and Equipment

211 East Chicago Avenue
Chicago, Illinois 60611
(312) 440-2509

Founded: 1859

Type of Organization

Professional Society
Standards Developer

Standards Development

Specification and certification program since 1928
41 active standards - all American National Standards
Working projects underway for 65 specifications
Draft standards available for comment

Standards Designation

ANSI/ADA prefix

Government Adoption

The Department of Defense has adopted 3 standards.

Certification

Certification program based upon physical standards; acceptance program based upon proof of biological and clinical safety and effectiveness.

Secretariats

U.S. TAG for ISO/TC 106, Dentistry
Working Group 2, Prosthodontic Materials of ISO/TC 106, Dentistry
American National Standards Committee MD156

Scope

Encourages the improvement of the public health, and promotes the art and science of dentistry. Inspects and accredits dental schools and schools for dental hygienists, assistants, and laboratory technicians. Conducts research programs. Produces health education materials. Compiles statistics and maintains library of 30,000 volumes.

Standardization Activities

Acts as proprietary sponsor on a project to handle standards for dental radiographic film. Sponsors participation in ANSI activities of the International Organization for Standardization (ISO). Works both nationally and internationally in the formulation of standards for dental materials, instruments, and equipment.

Availability

Distributed through ANSI

Formerly

National Dental Association (1897-1922)
Absorbed: Southern Dental Association (1897)

Keywords

dentistry; dental materials; instruments; equipment; medical devices; health care;

AMERICAN DENTAL TRADE ASSOCIATION

Nicolaj M. Petrovic, President

4222 King Street
Alexandria, Virginia 22302
(703) 379-7755

Founded: 1882

Type of Organization

Trade Association
Standards Developer

Standards Development	Standards developer since 1940
Scope	Manufacturers and distributors of dental supplies, instruments, and equipment. Conducts sales and management training programs. Develops systems to improve distribution efficiency. Compiles statistics.
Standardization Activities	Maintains a Standard Manual of Accounting for Dental Dealers, which is revised approximately every five years to keep up to date with modern accounting practices and procedures.
Availability	Distributed directly
Keywords	dentistry; dental equipment; business; health care;

AMERICAN DIE CASTING INSTITUTE

	John J. Kolar, Market and Public Relations 2340 Des Plaines Avenue Suite 307 Des Plaines, Illinois 60018 (312) 298-1220 Founded: 1928
Type of Organization	Trade Association Standards Developer
Certification	Operates a Certified Zinc Alloy Plan for its members to provide quality assurance for zinc alloy metallurgical standards.
Scope	Producers of die castings and suppliers to industry. Develops product standards; compiles trade statistics; conducts promotional and educational programs.
Standardization Activities	Publishes Product Standards for Die Castings, a guide for engineers, designers, and buyers which presents production practices of the die casting industry. Standards cover engineering, metallurgical, commercial, and quality aspects of die casting.
Availability	Distributed directly
Keywords	die casting; zinc alloy; manufacturing; materials;

AMERICAN DRY MILK INSTITUTE

	Dr. Warren S. Clark, Jr., Executive Director 130 North Franklin Street Chicago, Illinois 60606 (312) 782-4888 Founded: 1925	Standards Staff: 2
Type of Organization	Trade Association Standards Developer	
Standards Development	Standards developer since 1925 for dry milk products, testing, and sanitation.	
Government Adoption	The U.S. Department of Agriculture has adopted standards for grades of dry whole milk and dry buttermilk.	

Certification	No certification, qualification, or accreditation programs
Scope	A national trade association of the dry milk industry organized to stimulate and conduct research, and to educate the public and the consumer regarding the character, quality, convenience, economy, and general virtue of dry milk and related products; to promote the use and consumption of such products; and to collect and disseminate such statistics and information as will further these purposes.
Standardization Activities	Coordinates activities through its Standards/Research Committee. Current product standards are in the areas of nonfat dry milk, dry whole milk, and dry buttermilk; other standards include analytical methods for testing dry milks and sanitary standards for dry milk processing plants. Cooperates with other organizations involved in developing standards, the Food and Drug Administration, and the Department of Agriculture. Participates in the Codex Alimentarius program.
Availability	Sold directly
Keywords	dry milk; testing; sanitation; food;

AMERICAN ELECTROENCEPHALOGRAPHIC SOCIETY

Fay S. Tyner, Executive Secretary

2579 Melinda Drive NE.
Atlanta, Georgia 30345
(404) 320-1746

Founded: 1946

Type of Organization	Professional Society Standards Developer
Scope	Furtheres the knowledge of electroencephalography and related sciences, and promotes the exchange of scientific and professional information and opinions throughout the world.
Standardization Activities	Works to establish uniform standards, techniques, and procedures; assists in setting up standards for training, examination, and qualification of clinical electroencephalographers and technicians; draws up minimum specifications for apparatus and equipment to maintain high clinical standards.
Availability	Distributed directly
Keywords	medical instruments; electroencephalography; neurology; health care;

AMERICAN ELECTROPLATERS SOCIETY

J. H. Schumacher, Jr., Executive Director

1201 Louisiana Avenue
Winter Park, Florida 32789
(305) 647-1197

Founded: 1909

Type of Organization	Scientific Society Works through other organizations to develop standards
Representation	ASTM, ANSI

Scope	Promotes all aspects of electroplating and surface finishing.
Standardization Activities	Participates in standards development pertaining to electroplated coatings. Relies on work of American Society for Testing and Materials (ASTM), Committee B-8 on Electrodeposited Metallic Coatings, and endorses the standards prepared by Committee B-8 whose members are members of the American Electroplaters' Society. Maintains formal representation on ASTM Committees A-5 on Corrosion of Iron and Steel, D-19 on Industrial Water, and B-7 on the Anodic Oxidation of Aluminum and Magnesium Alloys, as well as American National Standards Institute Committee Z9 on Safety Codes for Exhaust Systems.
Formerly	National Electro-Platers Association of the United States and Canada (1913)
Keywords	electroplating; metallic coating; materials;

AMERICAN FEED MANUFACTURERS ASSOCIATION

	Oakley M. Ray, President
	1701 North Fort Myer Drive Arlington, Virginia 22209 (703) 524-0810
	Founded: 1909
Type of Organization	Trade Association Works through other organizations to develop standards
Representation	American Association of Feed Control Officials, FDA, OSHA
Scope	A national trade association of the animal feed manufacturing industry, which is one of the nation's 20 largest manufacturing industries. Carries out substantial activities in the fields of transportation, animal nutrition, feed production, state and Federal legislation and regulations, liquid feed, computers, public relations, state and Federal feed control, marketing, purchasing, environmental controls, occupational safety and health, and market research.
Standardization Activities	Cooperates closely with the Association of American Feed Control Officials in developing a model state feed law and model state feed regulations. The objective is to bring as much uniformity as possible into the state feed laws and regulations. Every state but one has legislation which regulates the production and distribution of commercial feed. Also cooperates with the U.S. Food and Drug Administration in its enforcement of the Federal Food, Drug and Cosmetic Act, and with OSHA.
Keywords	animal feed; feed; agriculture;

AMERICAN FISHING TACKLE MANUFACTURERS ASSOCIATION

	Thomas R. Schedler, Executive Vice President
	2625 Clearbrook Drive Arlington Heights, Illinois 60005 (312) 364-4666
	Founded: 1933 Standards Staff: 1
Type of Organization	Trade Association Standards Developer

Standards Development	Standards developer since 1933 Draft standards available for review
Scope	Manufacturers and importers of fishing tackle and allied products organized to educate, guide, and assist its members in matters of common interest so that they maintain a high standard of conduct, efficiency, and usefulness to industry, government, and the public.
Standardization Activities	Administers fly line standards which are universally accepted and were prepared in cooperation with the American Casting Association and the International Casting Federation. Supplies each manufacturer with these standards for packaging with their fly lines. Developed standards for rod seats and reel feet for the purpose of improving compatibility between rods and reels.
Availability	Distributed directly
Keywords	fishing tackle; fly line; fishing reels; fishing rods; recreation;

AMERICAN FOUNDRYMEN'S SOCIETY

	Ashley B. Sinnett, Executive Vice President Golf & Wolf Roads Des Plaines, Illinois 60016 (312) 824-0181 Founded: 1896
Type of Organization	Technical Society Standards Developer
Standards Development	Standards developer since 1936 Three active standards developed under ANSI
Certification	No certification, qualification, or accreditation programs
Secretariats	ANSI Z241.x
Scope	An international technical society for the metalcasting industry in North America. Develops and disseminates technical information regarding metallurgy, melting, coremaking, molding, sand practice, and control of both the internal and external environment. Sponsors research concerning all facets of the metalcasting process and environment through its Cast Metals Institute (CMI). Prepares and presents short courses and seminars on various subjects of interest.
Standardization Activities	Participates on a number of standards writing committees of both ANSI and ASTM.
Availability	Available directly or through ANSI
Formerly	American Foundrymen's Association
Keywords	casting; foundry; metallurgy; materials;

AMERICAN GAS ASSOCIATION

Forrest G. Hammaker, Manager, Standards Department
AGA Laboratories
Cleveland, Ohio 44131
(216) 524-4990

1515 Wilson Boulevard
Arlington, Virginia 22209
(703) 841-8400

Telex: (710) 955-9848

Founded: 1918

Standards Staff: 10

Type of Organization

Trade Association
Participating in standards development since 1930

Standards Development

325 individuals active in standards development
65 active standards
Processed through ANSI
Draft standards available for review

Standards Designations

ANSI Z21.x
ANSI Z83.x
ANSI Z223.x
ANSI B109.x

Certification

The American Gas Association Laboratories, a Division of A.G.A., maintain testing facilities for gas appliances and accessories in Ohio and California. They function as a nationally recognized third party certification agency. Gas equipment designs submitted voluntarily by manufacturers are tested for compliance with applicable national standards, principally the Z21 and Z83 gas equipment standards. The production of certified equipment is monitored by regular follow up factory inspections. Appliances and accessories which are design certified by the Laboratories carry the certification seal or the listing symbol of the American Gas Association and are included in the A.G.A. Laboratories' Directory of Certified Appliances and Accessories.

Secretariats

ANSI Z21, Performance and Installation of Gas-Burning Appliances and Related Accessories and its 19 technical subcommittees
ANSI Z83, Industrial Gas Equipment and Utilization and its 5 technical subcommittees
ANSI Z223, National Fuel Gas Code and its 3 advisory panels
ANSI B109, Gas Displacement Metering and its 2 subcommittees

Scope

A national trade association for 300 gas transmission and distribution companies which together account for 85% of gas delivered in the United States to 160 million consumers.

Coordinates gas industry activities concerning standardization, and information related to transmission, distribution, and utilization of gas. Serves as a clearinghouse for gas energy information for the public; as catalyst in technical and energy policy matters for the gas industry; and as spokesman on national issues for member companies. Promotes the gas industry to the best interests of public safety and a continuing supply of economical energy.

Standardization Activities

Works within the voluntary standards system to coordinate Association activities relative to national standards of interest to the gas industry. While not a standards developing organization, maintains a Standards Committee which is responsible for and has supervision over all Association activities concerning national standards development, including appointment of Association representation, in the areas of gas utilization equipment and its installation, and gas operating equipment and supplies.

Functions as the Administrative Secretariat to four ANSI Committees which operate under the principles of due process and consensus. These four committees have 29 technical subgroups. Supervises 48 standards covering residential gas appliances and accessories; 13 standards covering commercial and industrial gas equipment; 3 standards on gas displacement meters; and a standard covering the installation of gas piping and appliances, including their venting.

72 members and 25 staff active in standardization activities of 62 standards developing committees of other organizations, including ASTM, ASME, NFPA, and a number of American National Standards Committees.

Availability Distributed directly and through ANSI, IHS, IMI, and Global

Formerly Formed by merger of Gas Institute and National Commercial Gas Association (1918)

Keywords fuel gas; natural gas; energy; building; consumer products; industrial equipment;

AMERICAN GEAR MANUFACTURERS ASSOCIATION

William W. Ingraham, Executive Director

1901 North Fort Meyer Drive
Suite 1000
Arlington, Virginia 22209
(703) 525-1500

Founded: 1916

Type of Organization Trade Association
Standards Developer

Standards Development 31 committees, and 315 members participate in standards development
60 active standards; 6 processed through ANSI
Draft standards and revisions available for review by interested parties

Standards Designation AGMA prefix

Secretariats U.S. Technical Advisory Group to ISO/TC 60

Scope Membership includes a majority of the principal manufacturers of gears, speed reducers and increasers in the U.S. and Canada. Develops standards to promote a common language for the industry.

Standardization Activities Standards cover such areas as: gear industry nomenclature; gear specification drawings; hobs and shaper-cutters; application classification of gear motors and other types of speed reducers; standards on tooth form geometry; strength and durability formulas; inspection methods and practices; gear blank materials; lubrication of open or enclosed gearing; design and rating of speed reducers; spur, helical, herringbone, worm, bevel, fine pitch, aerospace gears. Standards committees are listed in the Annual AGMA Directory.

Maintains liaison with the American National Standards Institute, American Society of Mechanical Engineers, Society of Automotive Engineers, Metal Cutting Tool Institute, Cooling Tower Institute, Machinery and Allied Products Institute, National Machine Tool Builders Association, American Petroleum Institute, and other technical organizations. Participates in the International

Organization for Standardization (ISO), through the facilities of ANSI. Also cooperates with the Federal Government in standardization activities.

Availability Sold directly and through IMI, IHS, and Global

Keywords gears; gearing; speed reducers; gearmotors; lubrication; gear design; machinery;

AMERICAN HARDBOARD ASSOCIATION

James E. Nolan, Executive Vice President

887-B Wilmette Road
Palatine, Illinois 60067
(312) 934-8800

Founded: 1976

Standards Staff: 4

Type of Organization Trade Association
Standards Developer

Standards Development Standards developed through ANSI

Standards Designation ANSI/AHA prefix

Government Adoption Government references ANSI/AHA standards in Government standards and guide specifications.

Certification Quality Conformance Programs for Hardboard Siding based upon ANSI 135.6

Scope Represents manufacturers of hardboard products used for exterior siding, interior wall paneling, household and commercial furniture, and industrial and commercial products. Serves as the central clearing house on industry and technical information for architects, builders, contractors, distributors, dealers, government agencies, and the general public. Coordinates industry effort for statistical reports, standard/specification programs, research activities, building codes, environmental affairs, educational publications, manufacturing and safety activities, and governmental relations.

Standardization Activities Develops standards for hardboard, hardboard prefinished paneling, hardboard siding, and fiberboard products. Works with building code organization for effective utilization of these products. Administers a quality conformance program for hardboard siding.

Availability Sold directly and through ANSI

Keywords hardboard; fiberboard; building; materials;

AMERICAN HEART ASSOCIATION

Dudley Hafner, Executive Vice President

7320 Greenville Avenue
Dallas, Texas 75231
(214) 750-5300

Founded: 1924

Type of Organization Professional Society
Works through other organizations to develop standards

Scope Adopts standards for improving care of patients with cardiovascular disease. Supports research, education and community service programs in an effort to reduce heart disease.

Standardization Activities Representatives of 14 Scientific Councils (10,000 members) participate in the development of statements on Prevention of Rheumatic Fever, Prevention of Subacute Bacterial Endocarditis, and Standards for Electrocardiography. Funds the Inter-Society Commission for Heart Disease Resources in development of statements on Optimal Resources for Diagnosis and treatment of cardiovascular disease including: Optimal Resources for Ultrasonic Examination of the Heart; Optimal Resources for the Care of Patients with Acute Myocardial Infarction and Chronic Coronary Heart Disease; Optimal Resources for Electrical Equipment in Critical Care Areas; Optimal Resources for Implantable Cardiac Pacemakers; and Optimal Resources for Examination of the Heart and Lungs: Cardiac Catheterization and Radiographic Facilities.

Keywords endocarditis, heart disease; medical; medical devices;

AMERICAN HELICOPTER SOCIETY

John F. Zugschwert, Executive Director

217 North Washington Street
Alexandria, Virginia 22314
(703) 684-6777

Founded: 1943

Standards Staff: 1

Type of Organization Technical Society
Works through other organizations to develop standards

Representation DOD, FAA, SAE, International Civil Aviation Organization (ICAO), and other organizations

Scope A technical organization dedicated to the advancement of all types of vertical flight. Membership includes all the major helicopter manufacturers worldwide. Provides the principal forum for the exchange of technical information pertaining to the realm of vertical flight. Representation includes military and civil, governmental and educational institutions and activities. Maintains a specialized technical reference library.

Standardization Activities Maintains eleven technical committees with interests in acoustics, aerodynamics, aircraft design, avionics and systems, commercial operators, dynamics, handling qualities, manufacturing and product assurance, propulsion, structures and materials, and test and evaluation.

Technical committee review standards in their formulative stages and draft standards/specifications for publishing by other organizations. Cooperates with international, governmental and civil agencies on many technical subjects particularly standards.

Keywords helicopter; rotorcraft; vertical flight; aerodynamics; propulsion; avionics; acoustics; defense; aerospace; transportation;

AMERICAN HOME ECONOMICS ASSOCIATION

Craig Wilson, Administrator Business and Finance

2010 Massachusetts Avenue NW.
Washington, D.C. 20036
(202) 862-8300

Founded: 1909

Type of Organization	Trade Association Standards Developer
Secretariats	American National Standard Z61.1-1970 - Dimensions, Tolerances, and Terminology for Home Cooking and Baking Utensils
Scope	An educational and scientific organization of 50,000 men and women. Improves the quality and standards of individual and family life through education, research, cooperative programs, and public information.
Standardization Activities	Expresses an interest in standards through representation on the American National Metric Council and the American National Standards Institute's Consumer Council, Miscellaneous Technical Advisory Board, Textile Technical Advisory Board, and committees dealing with household refrigerators, electric ranges, textile test methods, and heat producing portable household appliances. Also represented on ISO/TC 133, Clothing Sizes; and ISO/TC 38, Textiles. Works closely with the National Bureau of Standards (NBS) and assisted in developing the Voluntary Product Standard PS 54-72, Body Measurements for the Sizing of Girls' Apparel, and other standards by NBS.
Keywords	home economics; consumer products; clothing;

AMERICAN HOME LIGHTING INSTITUTE

T. David McFarland, Managing Director

435 North Michigan Avenue
Suite 1717
Chicago, Illinois 60611
(312) 644-0828

Telex: 701633

Founded: 1943

Standards Staff: 1

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	UL
Scope	Represents manufacturers of lighting fixtures, portable lamps, lamps (bulbs) and lighting accessories. Also represents lighting showrooms and manufacturers' representatives. Monitors and reacts to issues that affect UL listing of products and to regulatory changes that affect the industry. Conducts educational programs.
Standardization Activities	Actively involved with Underwriters Laboratories with matters affecting the UL 1571 standard for incandescent lighting fixtures.
Keywords	lighting; fixtures; track lighting; electrical; building; consumer products;

AMERICAN HOSPITAL ASSOCIATION

Joseph G. Sprague, Director, Design & Construction
Division of Management & Technology

840 North Lake Shore Drive
Chicago, Illinois 60611
(312) 280-6140

Founded: 1898

Type of Organization	Trade/Professional Association Works through other organizations to develop standards
Representation	National Bureau of Standards, National Conference of States on Building Codes and Standards, and agencies within the Department of Health and Human Services and the Department of Labor, ANSI, NFPA, ASTM, and others.
Scope	Provides education, research, and representation services for 6,500 institutional and over 20,000 personal members.
Standardization Activities	Maintains Division of Management and Technology which has primary responsibility for standardization activities related to hospital supplies, equipment, and facilities. Maintains liaison with national organizations and government agencies concerned with the development of standards. Seeks the development of standards which are knowledge based and consistently applied throughout the industry. Liaison activities include recommendation, review, and revision of standards. Actively develops standards for hospital supplies, equipment and facilities, life safety, structural integrity, and infection control.
Formerly	Association of Hospital Superintendents of United States and Canada (1960)
Keywords	hospital; life safety; hospital supplies; hospital equipment; health care; facilities management;

AMERICAN HOT DIP GALVANIZERS ASSOCIATION

Daryl E. Tonini, Manager, Technical Services Department

1133 15th Street NW.
Washington, D.C. 20005
(202) 429-9440

Founded: 1935

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Active on more than 15 standards committees of ASTM and NACE
Scope	Members supply over 60 percent of the galvanizing after fabrication done in North American. Aims to improve the efficiency of the industry, to encourage the application of the latest advances in technology, and to promote the wider use of hot dip galvanized products. Activities include advertising and promotion, technical services and development management advisory services, and marketing.
Standardization Activities	Works within the voluntary standards system to coordinate industry standards activities and acts as the industry voice. Areas of involvement include coating standards for hot dip

galvanized (zinc-coated) steel products such as: fasteners, castings, forgings, structural shapes, tanks, fencing, piping, grating, reinforcing bars, and structural plate. Represented on American Society for Testing and Materials subcommittees concerned with development and review of specifications for galvanizing and corrosion protection.

Keywords galvanizing; corrosion protection; materials;

AMERICAN HOTEL AND MOTEL ASSOCIATION

Robert L. Richards, Executive Vice President

888 Seventh Avenue
New York, New York 10019
(212) 265-4506

Founded: 1910

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ANSI, ASTM, UL

Scope An international trade association representing the hotel and motel industry with primary efforts directed to the U.S.

Standardization Activities Cooperates with other organizations in standards development. Adoption of any standards by an individual hotel/motel property is solely on a voluntary basis. Maintains liaison with the National Fire Protection Association, the National Bureau of Standards and the U.S. Fire Administration. Also works with the Council of Insurance Legislators and the Foundation for Fire Safety to seek solutions to the problems of toxicity and smoke generation. Works with the National Legislative Conference on Arson to support arson control.

Active in ANSI's development of USA Standards Safety Code for Elevators, Dumbwaiters, and Escalators; and USA Recommended Practice for the Inspection of Elevators. Represented on various committees of ANSI, the American Society For Testing and Materials, and the Underwriters' Laboratories.

Formerly American Hotel Protective Association (1917)
American Hotel Association (1962)

Keywords hotels; motels; safety; fire protection;

AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

W. E. McCormick, Managing Director

475 Wolf Ledges Parkway
Akron, Ohio 44311
(216) 762-7294

Founded: 1939

Type of Organization Professional Society
Standards Developer

Standards Development This Association will become a standards setting organization for occupational health under the ANSI umbrella.

Scope Objectives are to increase the knowledge of industrial hygiene through interchange and dissemination of information; promote the

study and control of environmental factors affecting the health and well-being of industrial workers; correlate such activities as are conducted by individuals and agencies throughout industrial, educational, and governmental groups; and bring together persons interested in the various phases of industrial hygiene.

Standardization Activities Committees are now being formed and standards are expected to be available in 1984.

Keywords industrial hygiene; environmental; safety; public health;

AMERICAN INSTITUTE FOR DESIGN AND DRAFTING

Sandra J. Roderick, Office Manager

102 North Elm Place, #F
Broken Arrow, Oklahoma 74012
(918) 258-8651

Founded: 1948

Type of Organization Trade Association
Works through other organizations to develop standards

Scope Conducts educational programs relating to management, administration, performance, and instruction of design/drafting; sponsors councils; conducts an annual convention/exposition. Over 3000 members engaged in the manual and/or automated design and drafting fields.

Standardization Activities Maintains a Standards Committee which reviews ANSI proposed standards relating to the design/drafting fields. Submits comments to ANSI relating to proposed and existing standards. Informs the membership of the release, cost, and availability of new standards.

Keywords design; drafting; interactive graphics; documentation; configuration management; change control; metric; data processing;

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS

Timothy Carey, Director
Standards

9841 Airport Boulevard
Suite 800
Los Angeles, California 90045
(213) 670-6642

Founded: 1930

Type of Organization Professional Society
Standards Developer

Standards Development Standards developer since 1980
Processed through ANSI
Draft standards available for review

Standards Designations AIAA AAS prefix

Certification No certification, qualification, or accreditation programs

Scope Advances the arts, sciences, and technology of aeronautics and astronautics, and nurtures and promotes the professionalism of those engaged in these pursuits. Serves the needs and

professional interests of members, and improves public understanding of the profession and its contributions.

Standardization Activities Directs activities toward achieving technical understanding in advance of new hardware design and development. Works closely with the Department of Defense and National Aeronautics and Space Administration, allowing direct participation of Government representatives in meetings and activities of the Standards Activity Committee.

Availability Distributed directly

Formerly American Rocket Society (1930)
Institute for Aeronautical Sciences (1932)
Institute for Aerospace Science (1960)

Keywords aerospace; aeronautics; astronautics; aviation; transportation;

AMERICAN INSTITUTE OF ARCHITECTS

David Olan Meeker, Executive President

1735 New York Avenue NW.
Washington, D.C. 20005
(202) 526-7300

Founded: 1857

Type of Organization Professional Society
Standards Developer

Scope Serves the needs and improves the capability of architects; conducts public relations and educational programs. Encourages the utilization of national consensus codes and standards.

Standardization Activities Maintains liaison with model building code organizations and standards writing groups within the industry. One hundred AIA members work within the framework of the AIA Codes and Standards Committee.

Issues a variety of contract forms and formulates recommendations concerning size and character of building product literature directed to the architect. Active in development of a uniform system for correlation of a specifications outline, a filing system for product data, and project cost accounting guide.

Availability Directly and through IHS

Keywords architecture; building;

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

J. Charles Forman, Executive Director

345 East 47th Street
New York, New York
(212) 705-7338

Founded: 1908

Type of Organization Professional Society
Standards Developer

Standards Development 31 ANSI Standards; 17 active

Standards Designation	ANSI prefix
Secretariats	ANSI N-46 Sub-Committee: Nuclear Reactor Fuel Cycle
Scope	Advances chemical engineering in theory and in practice. Maintains a high professional standard among its members; serves society, particularly where chemical engineering can contribute to the public interest.
Standardization Activities	Recommends and supports ANSI or other standardization committees in areas of specified interest; provides competent and responsible representatives to such committees to ensure that any standards or codes developed are acceptable to the chemical engineering profession; develops an Institute position on major questions arising on standards proposals; and promotes the chemical engineer's participation in international standards work.
Availability	Sold directly and through ANSI, IHS, and Global
Keywords	chemicals; materials;

AMERICAN INSTITUTE OF PHYSICS

	H. William Koch, Director
	335 East 45th Street New York, New York 10017 (212) 661-9404
	Founded: 1931
Type of Organization	Scientific Society Standards Developer
Scope	A nonprofit membership corporation which promotes the advancement of physics and its application to human welfare.
Standardization Activities	Standards, including Secretariats, are provided by the Acoustical Society of America and the Optical Society of America. Both are Member Societies of AIP. AIP publishes and distributes standards for the Acoustical Society of America.
Availability	Distributed directly
Keywords	optics; acoustics;

AMERICAN INSTITUTE OF STEEL CONSTRUCTION

	Richard G. Altmann, President
	400 North Michigan Avenue Chicago, Illinois 60611 (312) 670-2400
	Founded: 1921
Type of Organization	Trade Association Standard Developer
Government Adoption	Specification for Structural Steel for Buildings has been widely adopted by building code bodies and Government agencies.
Scope	A nonprofit trade association representing and serving the fabricated structural steel industry in the United States. Improves and advances the use of fabricated structural steel

through marketing and technical research aimed at developing the most efficient, safe, and economical design and fabrication of steel framed structures.

Provides a variety of services to the construction industry, design profession, and steel fabricating companies including specifications, technical publications, design aids, research and development programs, plus informational and educational services conducted nationally.

Standardization Activities Published the AISC Specification for the Design, Fabrication and Erection of Structural Steel for Buildings, and the Manual of Steel Construction. Also publishes the AISC Code of Standard Practice, and a number of specifications for materials, products, and assemblies which may be used in steel framed structures. The specifications and the manual are accepted and used universally by architects, engineers, building code bodies and Government agencies.

Availability Distributed directly and through IHS and Global

Keywords steel; structural; construction; building;

AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Russell P. Wibbens, Executive Vice President

333 West Hampden Avenue
Englewood, Colorado 80110
(303) 761-3212

Founded: 1952

Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1952
200 members have opportunity to participate in standards activities
15 active standards
One processed through ANSI

Standards Designation AITC prefix

Government Adoption Adopted by local, regional, and state building codes and Federal government agencies.

Certification License qualified timber lamination plants to mark and certify products as being in conformance with ANSI A190.1.

Secretariats ANSI A190.1

Scope The American Institute of Timber Construction is the national technical trade association of the structural glued laminated timber (glulam) industry.

Standardization Activities AITC's standardization activities are administered by the Institute's staff with the advice and assistance of the AITC Technical Advisory Committee. In addition to industry standards related to structural glued laminated timber and heavy timber construction, AITC has used the ANSI canvass procedure to develop ANSI/AITC A190.1, "Structural Glued Laminated Timber", which is the basis for the Institute's quality control certification program. ANSI and industry standards are adopted by building code agencies to govern the use of structural glued laminated timber. Standards specify design and manufacturing requirements.

Availability Sold directly

Keywords wood; glulam; structural; laminated timber; construction; building;

AMERICAN INSURANCE ASSOCIATION

John L. Jablonsky, Vice President, Engineering and Safety Service

85 John Street
New York, New York 10038
(212) 669-0473

Founded: 1964 Standards Staff: 12

Type of Organization Trade Association
Publishes own code and also works through other organizations to develop standards

Representation ANSI, ASTM, NFPA, UL, etc.

Scope Represents 170 companies providing property and liability insurance and suretyship. Endeavors to reduce and control life and property losses, as well as injuries, and damage to health and the environment thereby enhancing the general public's safety, health and welfare. Publishes information bulletins on industrial safety rules, fire prevention, suggested codes and ordinances, special hazards, workers' compensation, state financial responsibility laws, and various law compilations.

Standardization Activities Sponsors the Engineering and Safety Service which administers standardization activities. Publishes the Fire Prevention Code. AIA no longer maintains the National Building Code which includes the Code for the Installation of Heat Producing Appliances and Heating, Ventilating, Air Conditioning, and Blower and Exhaust Systems. Participates in 100 standards-writing committees of the American National Standards Institute, National Fire Protection Association, American Society for Testing Materials, Underwriters Laboratories Incorporated, and others, that deal with areas of fire prevention, nuclear, chemical and environmental concerns, construction and construction safety, commercial motor vehicle safety of personnel in the workplace, crime, and concerns regarding products, boilers, and machinery.

Availability Distributed directly

Formerly Created by the merger of National Board of Fire Underwriters, Association of Casualty and Surety Companies, and American Insurance Association (1964)

Keywords occupational safety; crime prevention; motor vehicle safety; fire protection; industrial hygiene; product safety; heating; air conditioning; ventilating; building code; insurance;

AMERICAN IRON AND STEEL INSTITUTE

Robert B. Peabody, President

1000 Sixteenth Street NW.
Washington, D.C. 20036
(202) 452-7100

Founded: 1855

Type of Organization Trade Association
Standards Developer

Standards Development	Three design specifications
Standards Designation	As a result of early standardization efforts of the Automobile Manufacturers Association at the beginning of this century and present work by the Society of Automotive Engineers and AISI, numerical designations of steels which only refer to chemical composition ranges and limits are often identified as AISI/SAE "Standard Steels."
Government Adoption	The design specifications are referred to in building codes and state and federal specifications for construction.
Secretariats	U.S. Technical Advisory Group for ISO Technical Committee 167 on Steel and Aluminum Structures
Scope	Activities include research, technology, and engineering, collection and dissemination of statistics, public distribution of information about the industry and its products, public affairs, and discussion of industrial relations including health, safety, and hygiene.
Standardization Activities	Developed and published design specifications for cold-formed steel structural members and for light-gage cold-formed stainless steel structural members. Actively supports standardization activities through participation in the work of standards boards and committees of American National Standards Institute, American Society of Civil Engineers, American Society for Testing and Materials, National Fire Protection Association, and others.
Availability	Distributed directly and through Global
Formerly	American Iron and Steel Association (1912)
Keywords	steel; stainless steel; structural members; construction; materials;

AMERICAN LADDER INSTITUTE

James Dickinson, Executive Director

c/o Smith, Bucklin and Associates
111 East Wacker Drive
Chicago, Illinois 60601
(312) 644-6610

Founded: 1935

Type of Organization	Trade Association Standards Developer
Standards Development	Standards Developer since late 1930's 83 members participate in standards activities 4 active standards All processed through ANSI Draft standards available for review
Standards Designations	ANSI A14.x
Secretariats	ANSI A14 Ladder Safety Committee
Scope	A national trade association representing U.S. companies engaged in the research, development, and manufacture of ladders. Represents its membership in industry matters.

Standardization Activities	Promotes uniform design and manufacturer specifications and ladder safety. Works with government bodies, particularly OSHA and CPSC, in addressing design questions. Participates in activities related to production equipment used in making ladders. Current standards include: A14.1 Portable Wood Ladder, A14.2 Portable Metal Ladder, A14.3 Fixed Ladder, A14.5 Portable Reinforced Plastic.
Availability	Sold directly through ANSI
Keywords	ladders; wood; metal; fiberglass; reinforced plastic; rolling ladder stands; industrial equipment; consumer products; safety;

AMERICAN LEATHER CHEMISTS ASSOCIATION

Velma Becker, Executive Director

c/o University of Cincinnati
Cincinnati, Ohio 45221
(513) 475-2643

Founded: 1903

Type of Organization	Technical Society Standards Developer
Standards Development	150 standard test methods
Scope	Chemists, leather technologists, and educators concerned with the tanning and leather industry. Objectives are to devise and perfect methods for the analysis and testing of leathers and materials used in leather manufacture; to promote advancement of chemistry and other sciences in their application to leather related problems.
Standardization Activities	Maintains technical committees which develop methods of analyses and testing. Final methods published as the official methods of the association. Works with the American Society for Testing and Materials to coordinate physical test methods. Member of the International Union of Leather Chemists Society and participates in the development of methods for international use. ALCA methods are incorporated in industry specifications. Members include representatives from Government concerned with leather or leather products. Closely affiliated with the Tanners Council of America.
Keywords	leather; tanning; laboratory testing; materials;

AMERICAN LIBRARY ASSOCIATION

Ruth Frame, Deputy Executive Director

50 East Huron Street
Chicago, Illinois 60611
(312) 944-6780

Founded: 1876

Type of Organization	Professional Association Standards Developer
Secretariats	ANSI committees Z39, and Z85

Scope	Promotes libraries and librarianship to assure the delivery of user-oriented library information service to all. Establishes standards of service, support, education, and welfare for libraries and library personnel; safeguards the professional status of librarians; promotes popular understanding and public acceptance of the value of library service.
Standardization Activities	<p>Develops standards and guidelines both quantitative and qualitative for library service and librarianship. Standards and guidelines adopted by ALA or its units include College Library Standards; Standards for Faculty Status for College and University Libraries; Standards for University Libraries; Statement of Quantitative Standards for Two-Year Learning Resources Programs; Library Standards for Adult Correctional Institutions; Library Standards for Jails and Detention Facilities; Library Standards for Juvenile Correctional Institutions; Standards for Accreditation; Standards for Libraries at Institutions for the Mentally Retarded; Standards of Service for the Library of Congress National Library Service Network of Libraries Serving the Blind and Physically Handicapped.</p> <p>Also works through ANSI committees and assists in the development of uniform codes for analyzing and cataloging information.</p>
Availability	Sold directly
Keywords	library; librarianship; physically handicapped; education;

AMERICAN LUMBER STANDARDS COMMITTEE

	<p>Thomas D. Searles, Secretary/Manager</p> <p>P.O. Box 210 Germantown, Maryland 20874 (301) 972-1700</p> <p>Founded: 1922</p>
Type of Organization	NBS Product Standards Committee Standards Developer
Standards Development	Sets the standards under which virtually all of the lumber in the United States and Canada is produced.
Government Adoption	Widely used by Federal and local government agencies
Scope	The licensing agent for all twelve grading agencies and six rules writing agencies in the United States. Consists of 23 representatives and 23 alternate groups of lumber manufacturers, lumber inspection agencies, engineers, architects, contractors, home builders, wholesalers, retailers, millwork manufacturers, and other consumers, as well as five ex officio nonvoting government agency representatives appointed by the Secretary of Commerce.
Standardization Activities	<p>Acts as the standing committee for the purpose of considering revisions or amendments to National Bureau of Standards Voluntary Product Standard 20-70. This standard provides classification of American standard lumber, grading standards and grademarking, size standards, nomenclature, definitions, and abbreviations. Elects a Board of Review and adopts policies used by the Board in carrying out its functions.</p> <p>Principal functions of the Board are to review and approve rules submitted by agencies to assure they conform to the American Lumber Standards requirements; review and approve grading agencies; and to continuously review adequacy, competency and reliability of approved agencies.</p>

Formerly Central Committee on Lumber Standards (1941)
Keywords lumber; construction; building; wood; grading; inspection;

AMERICAN MEDICAL ASSOCIATION

James H. Sammons, Executive Vice President

535 North Dearborn Street
Chicago, Illinois 60610
(312) 751-6000

Founded: 1846

Type of Organization Professional Society
Standards Developer

Standards Development Develops advisory standards
None processed through ANSI

Secretariats American National Metric Council, Medical Sector Committee

Scope A national organization of physicians whose objectives are to foster the advancement of medical science and the public health.

Standardization Activities Develops advisory standards dealing with drug evaluation, medical terminology, guides to the evaluation of physical impairment, physical fitness standards for industry, undergraduate medical education, hospital residency training programs, and continuing medical education. Maintains close liaison with the Federal Government in matters of drug nomenclature, the United States Adopted Names Council, drug and medical device evaluation at the post-marketing level of surveillance, and with reference to other issues of a scientific nature that arise in the practice of medicine.

Issues reports relating to guidelines for the determination of permanent impairment, the frequency of medical examinations and many other issues relative to medical management of patient's problems. Reports are adopted by the AMA House Delegates if they are to be made AMA policy.

Availability Distributed directly

Keywords medicine; medical; drugs; health care;

AMERICAN MINING CONGRESS

J. Allen Overton, President

1920 N Street NW.
Suite 300
Washington, D.C. 20036
(202) 861-2800

Telex: 710-822-0126

Founded: 1897

Standards Staff: 2

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Represented through member companies on standards committees of ANSI, ASTM, IEEE, NFPA, and others.

Scope Aims to foster, promote, and develop the welfare of the minerals industries in all their various branches within the United States, to cooperate with Government in furthering the national

welfare and in developing mining and metallurgy, and to encourage and provide a medium for education in practical and scientific mining and metallurgy. Membership includes producers of most of America's metals, coal, industrial and agricultural minerals; manufacturers of mining and mineral processing machinery, equipment, and supplies; and engineering and consulting firms and financial institutions that serve the mining industry.

**Standardization
Activities**

Involved in standardization efforts through the activities of various staff members including those involved in health and safety, environmental control, manufacturer and engineering/consulting member company projects, and all other technical endeavors. Works with other organizations and agencies such as the National Bureau of Standards, American National Standards Institute, the Department of the Interior, U.S. Bureau of Mines, Department of Labor and the Mine Safety and Health Administration. Standards activities of AMC are generally national in scope and not intended to be applied internationally.

Keywords

mining; metallurgy; mining machinery; materials;

AMERICAN NATIONAL METRIC COUNCIL

Cheryl G. Cummins, Vice President

5410 Grosvenor Lane
Bethesda, Maryland 20814
(301) 530-8333

Founded: 1973

Standards Staff: 1

**Type of
Organization**

Trade Association
Works through other organizations to develop standards

Scope

A private, nonprofit organization dedicated to planning, coordinating, and facilitating voluntary metric transition activities in various sectors of the U.S. economy. A focal point for private sector metric transition planning activity and information.

Distributes information about metric activities in the U.S., Canada, and around the world. Publishes a newsletter and special issue papers. Conducts conferences, seminars, and educational workshops.

**Standardization
Activities**

Assists standards making bodies by identifying needs for standards in SI units, evaluating priorities, and making recommendations for standards development. Maintains several committees that affect standardization activities. The Standards Task Group has identified the scope and criticality of standards issues and prepared a model chapter and checklist summarizing specific tasks that industry sector committees can incorporate in their metric plans. To foster sound and uniform metric practice in standards, ANMC's Metric Practice Advisory Group periodically reviews and comments on American National Standards. A pilot standards project is underway to identify and prioritize government standards that warrant conversion or replacement with metric versions.

Keywords

metric; measurement; international trade; manufacturing; business; general; defense;

AMERICAN NATIONAL STANDARDS INSTITUTE

Donald L. Peyton, President

1430 Broadway
New York, New York 10018
(212) 354-3300

Telex: 42 42 96 ANSI UI

Founded: 1918

Standards Staff: 110

Type of Organization

Standards coordinating and approval organization. The Institute does not develop standards. They are developed by qualified technical and professional societies, trade associations, and other groups which voluntarily submit them to ANSI for approval. U.S. member of nongovernmental international standards bodies.

Standards Designations

8,500 standards approved by ANSI are designated American National Standards.

Government Adoption

American National Standards are widely adopted and referenced by government at the federal, state, and local levels.

Certification

ANSI accredits certification programs sponsored and operated by competent organizations in the United States and represents U.S. interests in international nontreaty certification activities. It does not certify products and services.

Scope

220 professional and technical societies and trade associations that develop standards in the United States are members of ANSI; 1000 companies are members.

ANSI performs the following major functions:

- coordinates the development of voluntary national standards in the United States;
- approves standards as American National Standards;
- manages and coordinates U.S. participation in nongovernmental international standards developing organizations, such as the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC);
- serves as the U.S. source and information center for all American National Standards and those issued by ISO, IEC, and the national standards organizations of 88 other countries;
- maintains interface with government at all levels on standards-related matters.

Standardization Activities

National Coordination -

Coordinates and harmonizes private sector standards activity in the United States. It assists participants in the voluntary standards system reach agreement on the needs for standards, encourages qualified organizations to develop them, and follows up on progress. It provides standards developers with procedures and services to use their resources effectively, avoid duplication of effort, and resolve conflicts.

Approval of American National Standards -

Standards are approved by ANSI as American National Standards when it finds that its criteria for due process have been met and that a consensus for approval exists among those directly and materially affected.

International Management and Coordination -

ANSI is the U.S. member of the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC). The Institute manages, coordinates, and

provides financial and administrative support for U.S. participation in these two major nongovernmental standards developing bodies. With the support of its members and other cooperating bodies, the Institute participates in some 2,000 ISO technical committees and subgroups. It administers the secretariats of 13 ISO technical committees, 65 subcommittees, and 179 working groups.

It helps govern ISO through membership on its Council and Executive and Planning Committees. The U.S. National Committee of IEC, which is part of ANSI, participates in 90% of the International Electrotechnical Commission's technical program and is represented on IEC's policymaking council and committees. It holds the secretariat of 11 IEC technical committees and 21 subcommittees.

Clearinghouse and Information Center -

Serving as the clearinghouse and information center for national, international, regional, and foreign national standards is another of ANSI's functions. The following are available from ANSI:

- AI: 8,500 approved American National Standards
- ISO and IEC International Standards
- ISO Draft International Standards
- IEC Six Months' Rule documents
- CEN Proposals -- Draft European Standards developed and issued for preliminary vote by the European Committee for Standardization (CEN)
- Draft specifications of the Electronic Components Committee of CENELEC -- the European Committee for Electrotechnical Standardization
- Standards of 88 other national standards organizations that belong to ISO
- Latest catalogs issued by ISO, IEC, and 55 members of ISO

Interface with Government -

Furnishes advice, counsel, and testimony to congressional committees and state and local legislative bodies. It encourages government agencies to participate in voluntary standards activities and to use voluntary standards, where appropriate. Close cooperative ties exist between ANSI and individual Federal agencies. For example: The Department of Defense, General Services Administration, and National Bureau of Standards are ANSI members. An ANSI-Consumer Product Safety Commission Coordinating Committee is working to enhance overall cooperation between CPSC and private sector organizations that develop standards for consumer products and services. An ANSI-OSHA (Occupational Safety and Health Administration) Coordinating Committee performs a similar function in the area of standards for industrial safety.

Formerly

American Engineering Standards Committee (1918);
American Standards Association (1928);
United States of America Standards Institute (1966);

Keywords

national standards; international standards; voluntary standards; standards coordination; general;

AMERICAN NUCLEAR SOCIETY

Marilyn D. Weber, Manager, Standards Department

555 North Kensington Avenue
La Grange Park, Illinois 60525
(312) 352-6611 Telex: 254635

Founded: 1954 Standards Staff: 3

Type of Organization	Scientific Society Standards Developer
Standards Development	150 active projects 94 approved standards All processed through ANSI Draft standards available for review
Standards Designation	ANS prefix
Government Adoption	A number of NRC Regulatory Guides reference ANS standards; several standards are referenced in the Code of Federal Regulations.
Secretariats	N16, Nuclear Criticality Safety N17, Research Reactors, Reactor Physics, and Radiation Shielding N48, Radioactive Waste Management American Nuclear Society Nuclear Power Plant Standards Committee (NUPPSCO)
Scope	A nonprofit, international, scientific, engineering and education organization. Aims to advance science and engineering related to the atomic nucleus and allied sciences and arts and to integrate the disciplines constituting nuclear science and technology.
Standardization Activities	Maintains a Standards Committee which ascertains the need for standards in the nuclear field, develops such standards, cooperates with other organizations to develop standards, and coordinates all standards activities. Maintains 21 subcommittees in the areas of reactor operations and design, performance criteria, radiation protection, fuel and waste management, and nuclear terminology.
Availability	Sold directly and through ANSI and Global Available in microform from IHS
Keywords	reactor; radioactive waste; nuclear; nuclear power plant; radiation shielding; energy; safety;

AMERICAN OCCUPATIONAL MEDICAL ASSOCIATION

Donald L. Hoops, Ph.D., Executive Director

2340 South Arlington Heights Road, Suite 400
Arlington Heights, Illinois 60005
(312) 228-6850

Founded: 1915

Type of Organization	Professional Society Standards Developer
Certification	Provides recognition of achievement and studies in Occupational Medical Practice via the Association's Basic Curriculum Program in Occupational Medicine.

Scope Represents the profession in matters pertaining to Occupational Medical Practice.

Standardization Activities Actively participates in various standards developing committees. Sets forth acceptable medical practices in the form of recommended guidelines. Comments on and suggests modifications to all related federal legislations.

Availability Distributed directly

Keywords occupational medicine; public health; health care;

AMERICAN OIL CHEMISTS SOCIETY

J. Lyon, Executive Director

508 South Sixth Street
Champaign, Illinois 61820
(217) 359-2344

Telex: 404472 OILCHEM CHN

Founded: 1909 Standards Staff: 1

Type of Organization Scientific Society
Standards Developer

Standards Development Standards Developer since 1909
4000 members participate in standards activities
328 active standards
None processed through ANCI

Standards Designation Official Methods and Recommended Practices

Certification The Society certifies referee chemists through its Examination Board.

Scope A scientific organization concerned with basic research on animal, marine, and vegetable oils and fats, including their extraction, refining, use in consumer and industrial products, safety, packaging, and quality control.

Standardization Activities Publishes the Official Methods and Recommended Practices of the American Oil Chemists Society, a result of the work of various technical committees. Offers accurately tested and graded natural bleaching earth, activated bleaching earth, diatomaceous earth, refining cups and other materials, all designed for use with specific methodology.

Sponsors joint committees with the American Society for Testing and Materials, Association of Official Agricultural Chemists, and American Association of Cereal Chemists. Representation maintained on committees of the American Association for the Advancement of Science, National Fire Protection Association, National Research Council, U.S. Technical Advisory Group for ISO/TC 34, and the Codex Alimentarius Committee on Fats and Oils.

Availability Sold directly

Formerly Society of Cotton Products Analysts (1922)

Keywords fats; vegetable oil; fish oil; analysis; oil extraction; oil refining; food; laboratory testing;

AMERICAN OPTOMETRIC ASSOCIATION

Richard W. Averill, Executive Director

243 North Lindbergh Boulevard
St. Louis, Missouri 63141
(314) 991-4100

Founded: 1898

Standards Staff: 5

Type of Organization	Professional Society Works through other organizations to develop standards
Representation	ANSI
Certification	Council On Optometric Education accredits and certifies schools and colleges of optometry in U.S. and Canada. Council On Clinical Optometric Care accredits optometric clinical facilities.
Secretariats	ANSI Z80, Ophthalmic Standards
Scope	A nonprofit corporation representing doctors of optometry and students of optometry. A federation of associations representing each of the fifty states, the District of Columbia, and doctors of optometry in the armed forces. Objectives are to improve the vision care and health of the public and to promote the art and science of the profession of optometry.
Standardization Activities	<p>The Commission On Ophthalmic Standards serves as the coordinating body for AOA's activities with private and governmental groups in the development of standards and policies related to the quality of ophthalmic materials, instrumentation and procedures.</p> <p>The Council On Optometric Education is the accrediting body for schools and colleges of optometry, as recognized by the U.S. Department of Education and the Council On Postsecondary Accreditation.</p> <p>The Council On Clinical Optometric Care evaluates and accredits the quality of vision care for optometric clinical facilities.</p>
Formerly	American Association of Opticians (1919)
Keywords	education; optometry; ophthalmic products; vision; public health;

AMERICAN PAPER INSTITUTE

Craig Stansbury, Director
Technology, Standards and Metrics Department

260 Madison Avenue
New York, New York 10016
(212) 340-0652

Telex: 710-581-5104

Founded: 1966

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	TAPPI, ASTM, ANSC P-3, GSA
Secretariats	U.S. TAG to ISO/TC 6, Paper, Board and Pulp
Scope	The national trade association of 166 companies that manufacture pulp, paper, and paperboard in the United States.

Standardization Activities

Standards for testing certain physical characteristics such as bursting strength, tear, brightness, opacity, etc., have been developed for many grades of paper. These specifications are officially published by the Technical Association of the Pulp and Paper Industry. Standard gauge lists for combination paperboard were revised effective January 1969 and adopted by members of the Combination Paperboard Division of the API Paperboard Group.

The Dictionary of Paper, fourth edition 1980, contains nearly 500 pages of concise descriptions of pulp and other raw papermaking materials, papers, paperboards, paper properties and papermaking terms. The contents afford considerable guidance in the appraisal of paper grades, specifications, or standards.

An active member of the American National Standards Committee, P-3, and through this committee participates in international standardization activities. Works closely with various Federal and state agencies in the development of product specifications, particularly the General Services Administration and the Joint Committee on Printing of Congress. Participates with the American Society for Testing and Materials in the development of its specifications and standardization activities, as well as in the formulation of safety codes for pulp and paper mills.

Formerly

Pulp, Paper and Paperboard Institute U.S.A. (1965)

Keywords

pulp; paper; paperboard;

AMERICAN PETROLEUM INSTITUTE

C. Thomas Sawyer, Vice President, Industry Affairs

2101 L Street NW.
Washington, D.C. 20037
(202) 457-7000

Founded: 1919

Standards Staff: 30

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1919
350 active standards
100 industry committees and 1,500 people active in standards activities
15 percent of API standards processed through ANSI
5 percent published jointly with ASTM

Standards Designations

API standards are called standards, recommended practices, publications, bulletins, guidelines, and specifications.

Representation

Members serve on committees of other organizations including the American Society for Testing and Materials, Society of Automotive Engineers, the American Society of Mechanical Engineers, the Institute of Electrical and Electronic Engineers, Instrument Society of America, National Fire Protection Association, Scientific Apparatus Manufacturers Association, American National Standards Institute, American Gear Manufacturers Association, National Association of Corrosion Engineers, Society for Non-Destructive Testing, American Welding Society, Association of Drilling Constructors, American Gas Association, and American Iron and Steel Institute, and the Association of Well-Head Equipment Manufacturers.

Government Adoption

Department of Transportation, Department of Defense, Occupational Safety and Health Administration, U.S. Customs Service, the Environmental Protection Agency, U.S. Geological Survey

Certification	API issues a monogram to those production field equipment manufacturers who produce equipment according to API standards. API also licenses companies to use API specifications on their motor oils if they meet API specifications.
Secretariats	ISO/TC 67/SC 9, Wellhead Equipment and Pipeline Valves ASTM D2, Petroleum Products and Lubricants API/ASTM, Joint Committee on Static Petroleum Measurement
Scope	A national association encompassing all branches of the petroleum industry and composed of approximately 300 corporate members and 6,500 individual members.
Standardization Activities	Activities directed toward fulfilling user-defined requirements of the industry and its customers. The Industry Affairs group produces standards in the area of transportation, marketing, production, refining, measurement, marketing, production, refining, measurement, safety and fire protection. Maintains liaison with other standardization bodies. Standards are primarily performance oriented with some design and process specifications where appropriate. Standards used worldwide and offered for adoption to the International Organization of Legal Metrology.
Availability	Distributed directly and through IHS and Global
Keywords	petroleum; petroleum equipment; petroleum measurement; petroleum transportation; materials;

AMERICAN PHARMACEUTICAL ASSOCIATION

	William S. Apple, President 2215 Constitution Avenue NW. Washington, D.C. 20037 (202) 623-4410 Founded: 1852
Type of Organization	Professional Society Standards Developer
Scope	A national professional society of 50,000 individual pharmacists in the United States. Concerns itself with matters affecting the professional, technical, legal, and scientific aspects of the practice of pharmacy.
Standardization Activities	Primary standardization programs pertain to drugs and drug products intended for medicinal use. The Scientific Division administers standardization activities. Participates jointly with other organizations in sponsoring and conducting a program known as the United States Adopted Names Council (USAN), for the establishment of standardized nonproprietary nomenclature for drugs. Through USAN, APA is involved with the World Health Organization in developing international nomenclature for the naming of drugs. Also participates in programs of the Pan-American Health Organization and the Federation Internationale Pharmaceutique. Maintains contact with the Food and Drug Administration; the Treasury Department, Alcohol and Tobacco Division; the Social Security Administration, Medicare Division; and the Justice Department, Drug Enforcement Administration.
Availability	Distributed directly
Keywords	pharmaceutical; drugs; drug purity; nomenclature; health care;

AMERICAN PIPE FITTINGS ASSOCIATION

Paul H. Engle, Jr., Executive Director

8136 Old Keene Mill Road
Suite B-311
Springfield, Virginia 22152
(703) 644-0001

Founded: 1938

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Represented on the standards committees of MSSVFI and ANSI B16.

Scope An association of American pipe fittings manufacturers and producers of pipe hangers and supports.

Standardization Activities Although not a standards developing organization, encourages, contributes to, and cooperates in the development of standards for products within the scope of the association which will benefit the industry, its customers and the public.

Formerly Pipe Fittings Manufacturers Association (1964)

Keywords pipe hangers; pipe supports; building; construction;

AMERICAN PLYWOOD ASSOCIATION

William A. Baker, Senior Engineer

P.O. Box 11700
Tacoma, Washington 98411
(206) 565-6600 Telex: 32-7430

Founded: 1933

Type of Organization Trade Association
Standards Developer

Standards Development Eleven active standards
None processed through ANSI
Draft standards available for review by members and others at discretion of APA

Government Adoption PS 1 adopted by all government agencies. Other APA standards recognized by most Federal, state and local jurisdictions.

Certification Member mills must pass initial tests of gluebond quality and maintain a minimum level to qualify for APA trademarking. Some products must also satisfy structural performance criteria.

Secretariats Secretariat for NBS Industry Standards Committee organized to review and keep current Voluntary Product Standard PS 1/ANSI A199.1

Scope A nonprofit industry trade association engaged in advertising, promotion, quality testing and inspection, product and applied research, and codes and standards activities. Membership consists of mills involved in the manufacture of plywood and other structural-use panels.

Standardization Activities APA standardization activities are administered by the Technical Services Division and encompass engineering design, manufacture, and application of plywood and other structural-use panels produced by its members. Standards are submitted for reference and

adoption in building codes and other construction standards. Leader in the development of performance criteria for qualification of structural panels in accordance with their end use, administered through performance standards and policies.

Cooperates with the Department of Commerce, National Bureau of Standards; the Department of Housing and Urban Development; Federal Housing Administration; Department of Transportation; Department of Defense; and the General Services Administration. Also participates on committees of the American Society for Testing and Materials.

Active member of ISO/TC 139 - Plywood. Participates in the International Union of Testing and Research Laboratories for Materials and Structures Technical Committee RILEM/3- TT-Testing Methods of Timber, and in the International Council for Building Research Studies and Documentation, Working Commission C18/W18 - Timber Structures.

Availability Sold directly

Formerly Douglas Fir Plywood Association; American Plywood Association (1964)

Keywords plywood; structural panels; sheathing; siding; building; construction; wood products;

AMERICAN PODIATRY ASSOCIATION

Louis Buttell, Director of Public Affairs

20 Chevy Chase Circle NW.
Chevy Chase, Maryland 20015
(202) 537-4900

Founded: 1912

Type of Organization Professional Society
Standards Developer

Certification The association's Council on Podiatry Education is the accrediting agency for podiatry education recognized as such by the U.S. Office of Education and the National Commission on Accrediting.

Scope A voluntary, nonprofit corporation which promotes the art and science of podiatry and the betterment of public health.

Standardization Activities Maintains standards in accrediting procedures by publishing two documents for each activity of accrediting or approval. These documents are titled Criteria and Guidelines and Manual of Procedures. Accredits colleges of podiatric medicine and podiatric assistants' training programs. Approves podiatric residency programs and speciality boards in related fields of education.

The council's criteria and procedures are subject to the approval of the House of Delegates of the American Podiatry Association.

Availability Distributed directly

Formerly National Association of Chiropodists (1958)

Keywords podiatry; health care; education;

AMERICAN PSYCHIATRIC ASSOCIATION

Melvin Sabshin, Medical Director

1400 K Street NW.
Washington, D.C. 20005
(202) 682-6000

Founded: 1844

Type of Organization Professional Society
Standards Developer

Scope A medical specialty organization which furthers the study of the nature, treatment, and prevention of mental disorders; develops standards for psychiatric facilities; disseminates information and promotes psychiatric education.

Standardization Activities Actively participates in development of standard classification for mental illness and the Diagnostic and Statistical Manual for Mental Disorders (DSM-III), published by the APA, and used throughout the world. Publishes Standards for Psychiatric Facilities and Standards for Psychiatric Facilities Serving Children and Adolescents. Serves as consultant to the World Health Organization on the publication, International Classification of Diseases.

Joins with the AMA Council on Medical Education and the Residency Review Committee for Psychiatry and Neurology in establishing standards for approval of residency training programs in psychiatry and is a member organization of the American Board of Psychiatry and Neurology which gives examinations to certify physicians as qualified in psychiatry. Holds membership in the Accreditation Council for Psychiatric Facilities and the Accreditation Council for Facilities for the Mentally Retarded of the Joint Commission of Accreditation of Hospitals.

Activities are conducted through the APA Council on Medical Education; the Council on Mental Health Services and its Task Force on Standards for Psychiatric Facilities; Ad Hoc Committee on Professional Standards Review Organizations; and the Council on Research and Development and its Task Force on Nomenclature and Statistics.

Availability Distributed directly

Formerly Association of Medical Superintendents of American Institutions for the Insane (1892)
American Medico-Psychological Association (1921)

Keywords psychiatry; health care; education;

AMERICAN PSYCHOANALYTIC ASSOCIATION

Helen Fischer, Administrative Director

One East 57th Street
New York, New York 10022
(212) 752-0450

Founded: 1911

Standards Staff: 3

Type of Organization Professional Society
Standards Developer

Standards Development Standards developer since 1911
61 members actively involved in standards activities

Certification	Certification in Adult and Child and Adolescent Psychoanalysis. Accreditation program for training institutions.
Scope	A national membership organization of medical psychoanalysts. Studies and advances psychoanalysis; advocates and maintains standards for the training of psychoanalysts and for the practice of psychoanalysis; fosters the integration of psychoanalysis with other branches of medicine and encourages research in all fields having to do with the scientific knowledge and welfare of man.
Standardization Activities	Maintains Board of Professional Standards which has eight committees and seven joint committees. Conducts site visits in conjunction with accreditation activities of new training facilities.
Availability	Distributed directly
Keywords	psychoanalysis; clinical psychology; health care; education;

AMERICAN PUBLIC HEALTH ASSOCIATION

William H. McBeath, M.D., Executive Director

1015 15th Street NW.
Washington, D.C. 20005
(202) 789-5600

Founded: 1872

Type of Organization	Professional Society Standards Developer
Scope	Professional organization of public health officials and practitioners which seeks to protect and promote personal and environmental health. Promulgates standards, establishes uniform practices and procedures, develops etiology of communication and performs research in public health related topics.
Standardization Activities	<p>Develops standards of procedures, personnel qualifications, and practice. Publishes and updates Standard Methods for the Examination of Dairy Products; Standard Methods for the Examination of Water and Wastewater; and Standards for Healthful Housing. Publishes other works where standards are included, for example, Suggested Ordinance and Recommendations Covering Public Swimming Pools. Also publishes standard methods for the Microbiological Examination of Ambient Air. APHA is presently developing guidelines for medical experimentation on captive populations.</p> <p>Represented on various boards of the American National Standards Institute (ANSI) and cosponsors Sectional Committee A40 on Minimum Requirements for Plumbing. APHA's Committee on Professional Education has developed a series of education qualifications for public health workers, as well as standards of accreditation for schools of public health. APHA committees also develop publications on such subjects as TB control, radiological health and chronic disease which serve as guides for practitioners, scientists, technologists, administrators, and others concerned with public health problems.</p>
Availability	Distributed directly
Formerly	Absorbed Conference on Community Health Planning
Keywords	public health; sanitation; education;

AMERICAN PUBLIC WORKS ASSOCIATION

Robert D. Bugher, Executive Director

1313 East 60th Street
Chicago, Illinois 60637
(312) 947-2520

Founded: 1894

Type of Organization

Professional Association
Standards Developer

Standards Development

Eleven standards
None processed through ANSI

Standards Designations

Developed standards are a result of a specific project and are designated by the name of the project.

Government Adoption

Local governmental agencies and manufacturers have accepted the standards on a voluntary basis.

Scope

Membership consists of all persons interested in the theory and practice of the design, construction, maintenance, administration, and operation of public works facilities and services. Conducts historical and current research.

Standards are developed through research funded by members and other interested parties. Standards are reviewed by sponsors of research studies and others impacted by the work.

Standardization Activities

Developed a standard motor equipment classification system and standards for the implementation of Computer Assisted Mapping programs of local governments and utilities. Participated with the U. S. Army Corps of Engineers in the adaptation of a standard Pavement Condition Index for use on streets in urban areas.

The APWA Research Foundation is currently engaged in setting up a nonprofit organization to develop test procedures for instrumentation used in water and waste water treatment and the conduct of laboratory evaluations of the equipment.

Availability

Sold directly

Keywords

public works; computer assisted mapping; water treatment; waste water; construction;

AMERICAN RAILWAY ENGINEERING ASSOCIATION

Louis T. Cerny, Executive Director

2000 L Street NW., Suite 403
Washington, D.C. 20036
(202) 835-9336

Founded: 1899

Standards Staff: 5

Type of Organization

Professional Society
Standards Developer since 1995

Standards Development

400 recommended practices developed
None processed through ANSI
20 Committees active in developing recommended practices

Standards Designation

AREA prefix; some rail sections carry only RE prefix

Government Adoption Recommended practices are used as specifications in government contracts.

Scope An international professional association whose purpose is the advancement of knowledge pertaining to the scientific and economic location, construction, operation, and maintenance of railways.

Standardization Activities Directed toward the principles, specifications, plans, and economics pertaining to the fixed-plant engineering, design, and construction of railways (except signals and communications), and allied services and facilities. Recommended practices are published in the AREA Bulletin for comment. Once approved for publication by the Association's Board of Directors, they appear in the Manual for Railway Engineering. Works closely with the Department of Transportation's Federal Railroad Administration and Transportation Systems Center.

Availability Distributed directly and through IHS and Global

Formerly American Railway Engineering and Maintenance of Way Association

Keywords transportation; construction; railroads; track; railway; rails;

AMERICAN ROAD AND TRANSPORTATION BUILDERS ASSOCIATION

Daniel J. Hanson, President

525 School Street SW.
Washington, D.C. 20024
(202) 488-2722

Founded: 1902

Type of Organization Trade Association
Standards Developer

Scope Fosters and encourages the full utilization of scientific and educational measures toward the accomplishment of an integrated national highway, airport, and urban public transportation system adequate to accommodate the growth and advancement of transportation necessary for the civil economy and the national defense.

Membership includes Federal, state, county, and city highway engineers and administrators, as well as consulting engineers, highway contractors, producers of highway materials, manufacturers and distributors of highway machinery, and educators in civil engineering colleges and universities.

Standardization Activities Committees study problems relating to highway legislation, finance, design, construction, maintenance, equipment, and operation. Efforts are directed toward development of improved standards to bring about utilization of new materials and eliminate waste and improper methods.

Cooperates with other associations in joint activities. Publishes bulletins dealing with practical application of technical and semitechnical developments.

Availability Distributed directly

Formerly American Road Makers (1910)

Keywords highways; road construction; construction; transportation;

AMERICAN SOCIETY FOR ARTIFICIAL INTERNAL ORGANS

Karen Burke, Executive Director

National Office
P.O. Box C
Boca Raton, Florida 33429
(305) 391-8589

Founded: 1955

Type of Organization

Scientific Society
Works through other organizations to develop standards

Representation

The ASAIO Renal Disease and Detoxification Committee works in collaboration with its counterpart in AAMI. The society is also represented on the Medical Devices Standards Board of ANSI. Members are called upon to contribute to the FDA activities in medical device regulation, such as the Cardiovascular and Gastroenterology-Urology Medical Device Classification Panels. Internationally, members represent the United States on ISO/TC 150 SC2: Surgical Implants and Artificial Organs (Cardiac Valves, Pacemakers, Vascular Prostheses, Blood Gas Exchangers and Hemodialysis). Additionally, members contribute to the development of IEC document TC 62D: Hemodialysis Equipment.

Scope

An organization which promotes the development and safe usage of artificial internal organs, with 1,400 members from both medical and engineering specialties. At the present time approximately two-thirds of the activities are in the fields of artificial kidneys and artificial hearts. The remainder are devoted to innovations in other areas, such as plasmapheresis and artificial organs for liver failure, diabetes mellitus and disorders of the genitourinary tract.

Standardization Activities

Members are active in the development of voluntary medical device standards and guidelines for the user through a variety of mechanisms, including consensus symposia, investigation into the risks and hazards of medical devices, and contributions to the efforts of standards making organizations. Standards committees of the Society are appointed by the President. The Renal Diseases and Detoxification Committee meets annually; members of this committee are also members of the AAMI Committee in this field. Resulting standards are subjected to the review processes of AAMI and ANSI.

Keywords

artificial organs; health care; medical devices;

AMERICAN SOCIETY FOR MEDICAL TECHNOLOGY

Paul H. Hubbard, Executive Vice President

330 Meadowfern Drive
Houston, Texas 77067
(713) 893-7072

Founded: 1932

Type of Organization

Professional Society
Standards Developer

Certification

Certification for individuals who have passed a national examination is carried out by ASMT and ASCP through the Board of Registry.

Scope

A national professional organization composed of 18,000 members engaged in the supervision and performance of clinical laboratory

tests. Responsibilities include increasing technical knowledge, providing a means for members to evaluate and improve their performance, and educating students entering the various levels of clinical laboratory practice. Advocates the best possible care to the patient at economically sound levels.

Standardization Activities

Standards for day to day practice are covered in ASMT Recommended Minimum Personnel Practices (updated annually); ASMT National Minimum Standards for Clinical Laboratories; and National Committee for Clinical Laboratory Standards (NCCLS) specifications for biology and chemistry reagents or reference materials, controls for equipment, etc.

Works with the Food and Drug Administration in conducting a pilot project for surveillance of products used in clinical laboratories.

A member of the Medical Device Technical Advisory Board of the American National Standards Institute.

Cooperates with NCCLS and the International Association of Medical Laboratory Technologists in the development of international standards.

Availability

Distributed directly

Formerly

American Society of Medical Technologists (prior to 1972)
American Society of Chemical Laboratory Technicians (1936)

Keywords

medical; testing; laboratory equipment;

AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING

Richard McGuire, Manager, Technical Services

4153 Arlingate Plaza
Columbus, Ohio 43228
(614) 274-6003

Founded: 1941

Type of Organization

Technical Society
Develops Recommended Practices

Certification

Level III Examinations are offered in radiography, ultrasonics, eddy current, leak testing, neutron radiography, magnetic particle, and liquid penetrant examinations. Personnel certification requirements are detailed in publication SNT-TC-1A.

Scope

A nonprofit organization devoted exclusively to nondestructive testing.

Standardization Activities

Helps develop and review codes and standards for the inspection of conventional and nuclear power plants, marine, transportation, and aviation industry products. Through its volunteer members, liaison is maintained with many governmental bodies and standard organizations such as ASME, ASTM, ASM, ABS, and NRC.

Availability

Sold directly and through IHS

Keywords

nondestructive testing; radiography; ultrasonics; leak testing; magnetic particle; eddy current; liquid penetrant; acoustic emission; laboratory testing; quality assurance;

AMERICAN SOCIETY FOR QUALITY CONTROL

Sandra J. Edson, Executive Director

230 West Wells Street
Milwaukee, Wisconsin 53203
(414) 272-8575

Founded: 1946

Standards Staff: 1

Type of Organization

Technical Society/Professional Society
Standards Developer

Standards Development

Standards developer since 1947
22 existing projects
All processed through ANSI
Draft standards available for review
10 active standards

Standards Designation

ANSI/ASQC prefix

Secretariats

ANSI Z-1 Committee on Quality Assurance
U.S. TAG for ISO/TC 69 on Statistical Methods and TC 176 on Quality Assurance

Scope

Advances the theory and practice of quality control. Creates, promotes, and stimulates interest in the advancement and diffusion of knowledge of the science of quality control and of its application to industrial, administrative, and other processes, especially to the quality of industrial products.

Standardization Activities

Maintains a Standards Council which directs and coordinates national and international standards activities.

Availability

Distributed directly and through IHS, Global, and ANSI

Keywords

quality control; quality assurance; sampling; inspection;

AMERICAN SOCIETY FOR TESTING AND MATERIALS

William Cavanaugh, President

1916 Race Street
Philadelphia, Pennsylvania 19103
(215) 299-5400

Telex: 710-670-1037/ASTM PHA

Founded: 1898

Standards Staff: 200

Type of Organization

Technical Society
Standards Developer

Standards Development

7,218 active standards
Metric Equivalency Required
30,000 members, including 4,000 international
139 Technical Committees
Any interested party may participate

Standards Designation

ASTM

Government Adoption

The Department of Defense has adopted 2,000 standards. Local building codes reference 600. The following agencies also have adopted ASTM Standards: General Services Administration, Public Building Service, Veterans Administration, Environmental Protection Agency, Food and Drug Administration, Occupational Safety and Health Administration, National Institute of Occupational

Health and Safety, Department of Energy, Department of Housing and Urban Development, Department of Agriculture and Department of Transportation.

Certification	No certification, qualification, or accreditation programs
Scope	A nonprofit organization formed to develop standards on characteristics and performance of materials, products, systems, and services; and to promote related knowledge. Standards include classifications, guides, practices, specifications, terminology, and test methods.
Standardization Activities	<p>Standards cover iron and steel products; nonferrous metal products; metal test methods and analytical procedures; construction; petroleum products; lubricants and fossil fuels; paints, related coatings, and aromatics; textiles; plastics; rubber; electrical insulation and electronics; water and environmental technology; nuclear, solar, and geothermal energy; medical devices; general methods and instrumentation, general products, chemical specialties, and end use products.</p> <p>Standards developed by the Society's committees are published in the 66 volume Annual Book of ASTM Standards. Hundreds of technical papers and reports presented at ASTM symposia and meetings are published in Special Technical Publications, the Society's monthly magazine "Standardization News," and in quarterly publications. All are distributed worldwide.</p> <p>ASTM standards are developed by those having expertise in the specific areas who choose, voluntarily, to work with the ASTM system-producers, users, ultimate consumers, and representatives of government and academia. ASTM provides a forum within which these people can meet on a common ground to write standards that will best meet the needs of all the interested parties. The ASTM system adheres to the principles of due process, assuring equal access to and equal voice in the standards forum.</p> <p>Draft standards undergo an exhaustive balloting process from the subcommittee, to main committee, and to the entire Society -- with careful attention paid to minority opinions at each balloting level -- before they are published as official ASTM standards.</p>
Availability	Distributed directly and through IMI, IHS, Global, and NSA
Keywords	materials; products; systems; services; testing; concrete; building; textiles; machinery; office products; electrical equipment; safety; defense environment; public health; medical devices; laboratory equipment; consumer products; industrial equipment; general;

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS

Russel H. Hahn, Manager, Technical Operations

2950 Niles Road
St. Joseph, Missouri 49085
(616) 429-0300

Founded: 1907

Standards Staff: 4

Type of Organization	Technical Society Standards Developer
-----------------------------	--

Standards Development	Standards developer since 1909 138 technical committees and subcommittees active or potentially active in standards development
------------------------------	--

167 standards, engineering practices, and data, most with dual SI-customary units (May 1983)
Accredited by ANSI; 15 standards approved as ANSI standards

Standards Designation

S, Standard; EP, Engineering Practice; D, Data

Government Adoption

OSHA regulations for agricultural equipment are based on ASAE standards, but ASAE standards have not been formally adopted by government.

Certification

No certification, qualification, or accreditation programs

Scope

Professional society of agricultural engineers employed in industries serving agriculture and in public service. Develops engineering standards used in agriculture. Sponsors national technical meetings and continuing education programs.

Standardization Activities

Develops voluntary standards for agricultural equipment, systems, facilities, and processes. Standards cover technical areas within the five ASAE technical divisions: Electric Power and Processing, Food Engineering, Power and Machinery, Soil and Water, and Structures and Environment. Standards considered national in scope and used for numerous international standardization proposals. ASAE's Cooperative Standards Program encompasses the development, adoption, publication, distribution, and maintenance of needed voluntary standards for industry and the consumer in agriculture.

Maintains liaison with other technical societies such as AICHE, ASHRAE, ASTM, IEEE, SAE, and ANSI. ASAE participates in U.S. Technical Advisory Groups for ISO/TC 23, Agricultural Tractors and Machinery; ISO/TC 31, Tires, Rims, and Valves; and ISO/TC 131, Fluid Power Systems and Components.

Availability

Available directly and through IHS and Global

Keywords

agriculture; irrigation; structures; drainage; livestock; grain; machinery;

AMERICAN SOCIETY OF ANESTHESIOLOGISTS

John W. Andes, Executive Secretary

515 Busse Highway
Park Ridge, Illinois 60068
(312) 825-5586

Founded: 1905

Type of Organization

Professional Society
Works through other organizations to develop standards

Representation

Individual members participate in standardization activities of ANSI, ASTM, ISO, and NFPA.

Scope

A national medical society composed of over 20,000 members, most of whom are physicians specializing in the practice of the medical specialty of anesthesiology. Among its purposes is to "raise the standards of the specialty by fostering and encouraging education, research and scientific progress in anesthesiology" and to disseminate information concerning the specialty.

Standardization Activities

The society works within the voluntary standards system to present the views of anesthesiologists on matters relating to the agents, devices, and facilities they use in their practices. Its

Committee on Equipment and Standards deals with mechanical, electrical, and structural matters as they relate to anesthesiology. This committee is charged with the duties of representing the society in activities related to standards development and supervising and coordinating liaison activities to organizations such as ANSI, ASTM, ISO, NFPA, and other professional and technical bodies in the medical field.

The committee on Equipment and Standards maintains liaison with the standardization work of other professional and technical bodies in the medical field. While previously active in ANSI Committee Z79, Standards for Anesthesia and Respiratory Equipment, ASA currently participates in ASTM F29.

Formerly Long Island Society of Anesthetists (1912)
New York Society of Anesthetists (1935)
American Society of Anesthetists (1935)

Keywords anesthesia; respiratory equipment; medical; medical devices;

AMERICAN SOCIETY OF BREWING CHEMISTS

Dr. Eric Kneen
3340 Pilot Knob Road
St. Paul, Minnesota 55121
(612) 454-7250

Founded: 1934

Type of Organization Professional Society
Standards Developer

Standards Development 200 standard methods of analysis

Standards Designations ASBC Method

Certification Check Sample services provide the opportunity for subscribing laboratories to check their analytical accuracy on a periodic basis. For each service, a statistical summary of the analytical data is provided for use as an internal check. Check Sample services include Malt Analysis, Cereal Adjunct, Beer Analysis, and Hop Analysis. Another service available is Malt for Standardizing Mills. Standard malt is used to insure reliable milling and grinding samples for industry-wide analysis. The Soluble Starch service provides a special starch product available only to ASBC members, and is lot-checked by ASBC.

Scope 870 members worldwide engaged in all aspects of brewing. Maintains high professional standards; conducts, promotes, and encourages scientific research in brewing and related industries; studies, develops, and adopts uniform methods for the analysis of raw materials, supplies, and products; holds meetings and disseminates technical knowledge.

Standardization Activities Publishes ASBC Methods of Analysis which contains 200 official ASBC methods relating to brewing chemistry. Also has available Tables for Extract in Malt and Cereals, and Tables related to Wort, Beer, Brewing Sugars and Syrups.

Availability Sold directly

Keywords beer; beverages; testing;

AMERICAN SOCIETY OF CINEMATOGRAPHERS

Alfred S. Keller, Executive Director

1782 North Orange Drive
Hollywood, California 90028
(213) 876-5080

Founded: 1919

Standards Staff: 1

Type of Organization

Professional Society
Standards Developer

Scope

Professional directors of motion picture and television photography and others affiliated with cinematography.

Standardization Activities

Offers recommendations to the Engineering Committee of the Society of Motion Picture and Television Engineers. Processes standards through ANSI PH22. Publishes the American Cinematographer Manual which lists standards.

Availability

Distributed directly

Keywords

cinematography; photography;

AMERICAN SOCIETY OF CIVIL ENGINEERS

Edwin Jones, Head of Department, Technical Affairs

345 East 47th Street
New York, New York 10017
(202) 705-7252

Founded: 1852

Standards Staff: 1

Type of Organization

Technical Society
Standards Developer

Standards Development

Standards developer since 1875-1895 and 1974 to present
250 members and non-members participating in standards activities
ANSI accredited organization
All standards available for public review

Standards Designation

ASCE prefix

Certification

No certification, qualification, or accreditation programs

Scope

A 90,000 member organization for civil engineers in the United States dedicated to the civil engineering profession, offering opportunities for individual professional development and providing a forum for communication between individuals and groups involved in the practice of civil engineering.

Standardization Activities

Maintains activities in the following areas: Composite Steel Deck Slab Standards, developing criteria for the design and construction of composite steel deck slabs; Masonry Structures Standards (joint with American Concrete Institute and Structural Division), developing and reporting on methods of structural analysis, design, and construction for masonry; preparing and updating, on a continual basis, building standards requirements for masonry, design, and construction; Oxygen Transfer Standards, developing means for determining oxygen transfer efficiency and capacity of aeration and oxygenation equipment; Foundation & Excavation Standards, updating ANSI standard A56; and Structural Condition Assessment of Existing Buildings Standard. In addition, maintains the Standard for Design and Analysis of Nuclear

Safety Related Earth Structures. Technical and Task Committees seek to advance knowledge in specific engineering areas, focusing on relevant problems and concerns, by publishing standards, manuals, guides, reports, proceedings, and by conducting conferences and workshops.

Availability Distributed directly and through ANSI, Global, IHS and IMI

Keywords civil engineering; decks; slabs; structures; oxygen transfer; foundations; nuclear safety; building; construction;

AMERICAN SOCIETY OF ELECTROPLATED PLASTICS

Lynn Lawrence, Executive Director

1133 15th Street NW.
Washington, D.C. 20005
(202) 429-9440

Founded: 1966

Type of Organization Trade Association
Standards Developer

Standards Development Standards Developer since 1967
ASTM approved

Standards Designations ASEP prefix

Scope A nonprofit organization devoted to improving the efficiency of its industry and to promoting the use of electroplated plastics, with a domestic and foreign membership of 80 companies.

Standardization Activities Cooperates with ASTM in developing specifications which include parts design; mold design; substrate fabrication requisites; plastic product qualification; test procedures and standards (including standard test panel, adhesion, corrosion, thermal cycling, and appearance); performance capabilities (including substrate, plate construction, and proven applications); handling of molded parts for plating; and industry terms. Publishes Standards and Guidelines which include these standards.

Availability Distributed directly

Keywords plastics; electroplated plastics; manufacturing; materials;

AMERICAN SOCIETY OF ENOLOGISTS

Dr. James Vahl, Technical Projects Committee Chairman

P.O. Box 411
Davis, California 95617
(916) 753-3142

Founded: 1950

Type of Organization Professional Society
Works through other organizations to develop standards

Scope A nonprofit corporation comprised of enologists, viticulturists and suppliers to the wine and grape industry, exclusively for scientific and literary purposes in enology and viticulture. Publishes the American Journal of Enology and Viticulture which contains original research papers, short abstracts, and reviews. Sponsors scholarship awards and an annual meeting.

Standardization Activities The Technical Projects Committee develops standards specifically for NPS.

Keywords enology; viticulture; wine; winemaking; beverages;

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

G. F. Hohn, Manager of Standards

1791 Tullie Circle NE.
Atlanta, Georgia 30329
(404) 606-8000

Founded: 1894

Standards Staff: 4

Type of Organization Technical Society
Standards Developer

Standards Development Standards developer since 1951
Over 400 members and non-members participating in standards activities
Most standards processed through ANSI
Draft standards available for review
60 active standards

Standards Designation ASHRAE prefix

Government Adoption ASHRAE Standard 90, Energy Conservation in New Building Design, serves as the basis for building code provisions in 47 states.

Certification No certification, qualification, or accreditation programs

Secretariats U.S. Technical Advisory Group for ISO/TC 8.6, Refrigeration
International Secretariat ISO/TC 86, Subcommittees 1, Safety; 6, Factory Assembled Units; and 8, Refrigerants & Lubricants
International Secretariat ISO/TC 117, Subcommittee 2, Industrial Fans
International Secretariat ISO/TC 144, Subcommittee 1, Air Distribution and Diffusion

Scope An international membership organization operated for the exclusive purpose of advancing the arts and sciences of heating, refrigeration, air conditioning and ventilation, the allied arts and sciences, and related human factors for the benefit of the public.

Standardization Activities Assists industry and the public by offering a uniform method of testing for rating purposes, and by suggesting safe practices in designing and installing equipment, by providing proper definitions of this equipment and by providing other information which may serve to guide the industry. Creation of standards is determined by need, and conformance to them is completely voluntary.

Maintains 60 active Standards Committees, supported by a staff organization administered by the Manager of Standards. Continuously promulgates new standards and reviews current standards to reflect technical advances in the field.

A series of standards pertaining to energy conservation in existing buildings is in preparation. Other standards specify methods of testing for rating equipment, ventilation levels for indoor air quality, and conditions for indoor comfort.

Availability Sold directly and through ANSI, IMI, IHS, and Global

Formerly Merger of American Society of Heating and Air-Conditioning Engineers and the American Society of Refrigerating Engineers (1959)

Keywords heating; refrigeration; air conditioning; ventilation; energy conservation; environmental quality; construction; building;

AMERICAN SOCIETY OF LUBRICATION ENGINEERS

Maxine E. Hensley, Executive Director
838 Busse Highway
Park Ridge, Illinois 60068
(312) 825-5536

Founded: 1944

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1962
22 standards

Scope Encourages the active cooperation of industry and the professions in advancing the knowledge and application of the art of lubrication in all its branches.

Standardization Activities Develops and promulgates national standards on industrial lubricants and lubrication practices.

Availability Distributed directly

Keywords lubrication; lubricants; materials;

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Melvin R. Green, Managing Director, Codes and Standards

345 East 47th Street
New York, New York 10017
(212) 705-7822

Telex: 710-581-5267

Founded: 1880

Standards Staff: 74

Type of Organization Technical Society
Standards Developer

Standards Development 500 active standards
Nearly all processed through ANSI
More than 120 standards committees and 6000 individuals develop and maintain these standards

Government Adoption Eighty-six standards have been adopted by the Department of Defense (DoD). Two others have been adopted by the Coast Guard and one by the Nuclear Regulatory Commission. The Boiler Code has been widely adopted by responsible state and provincial agencies in the U.S. and Canada.

Certification ASME operates accreditation programs in connection with its activity for boilers and boiler code pressure vessels, for nuclear plant components, and safety and pollution prevention equipment used in offshore oil and gas operations. The society authorizes manufacturers to apply ASME Code Symbol Stamps to their product, indicating compliance with the respective code or standard.

Scope An educational and scientific society organized to promote the art and science of mechanical engineering and the allied arts and

sciences; encourage original research; foster engineering; promote the intercourse of engineers among themselves and with allied technologists; broaden the usefulness of the engineering profession in cooperation with other engineering and technical societies; and promote a high level of ethical practice.

Standardization Activities

Standards development is an important part of the society's activity to promote the art and science of mechanical engineering. The ASME Council on Codes and Standards supervises the standardization activities of the society under the authority delegated to it by the ASME Board of Governors. Standards are developed under the ANSI Accredited Organization and Committee Methods. Documents presented to the Society under the ANSI Canvass Method are reviewed by the appropriate committee.

Participates actively in international standardization through its sponsorship of ASME Committees, which serve as the USA Technical Advisory Groups for the International Organization for Standardization (ISO). In addition, ASME sponsors several USA Technical Advisory Groups for activities which do not have corresponding ASME Committees.

The Boiler Code is ASME's most widely recognized standards publication. It is a definitive compilation of safety and performance requirements for power and heating boilers, nuclear reactors and power plants, as well as pressure vessels. The Performance Test Codes define accepted methods of determining performance and efficiency for a wide range of equipment and systems, from safety valves and gas turbines to fuels, incinerators, and centrifugal pumps. Many other fields have benefited from ASME standards and codes. These include drafting practices and symbols, screw threads, bolts, nuts, rivets, and other fasteners in conventional and metric measure; machine tools, cutters and accessories; valves, pipe fittings, and plumbing fixtures; cranes, conveyors, and related equipment; and safety codes for elevators and escalators.

Availability

Distributed directly and through ANSI, IMI, IHS, Global, and NSA

Keywords

abbreviations; accreditation; boiler code; cranes; drafting practices; elevators; fasteners; freight containers; hand tools; industrial trucks; machine tools; machinery; nuclear; mechanical; plumbing; pollution prevention; pressure piping; pressure vessels; qualification; quality assurance; safety; solar energy; industrial equipment; valves;

AMERICAN SOCIETY OF PHOTOGRAMMETRY

William D. French, Executive Director

210 Little Falls Street
Falls Church, Virginia 22046
(703) 534-6617

Founded: 1934

Type of Organization

Technical Society
Standards Developer since 1939

Standards Designation

ASP prefix

Government Adoption

Map accuracy standards adopted by the Office of Management and Budget for use by government agencies such as Geological Survey, National Ocean Survey, Defense Mapping Agency, Forest Service, Federal Highway Administration.

Certification	Active voluntary program awarding qualified individuals title of "Certified Photogrammetrist".
Scope	Primarily concerned with the art, science, and technology of measuring and interpreting photographic and remote-sensor images. Scope of interest includes the fields of aerial photography, photogrammetric surveys, photographic interpretation, and remote sensing. Publishes a monthly journal, devoted to new developments, equipment, techniques, and applications in these areas.
Standardization Activities	Developed nomenclature for photogrammetry and remote sensing standards. Developing standards for large scale photogrammetric mapping. Publishes manuals which are generally accepted as standards of reference including the Manual of Photogrammetry, the Manual of Photographic Interpretation, the Manual of Color Aerial Photography, and the Manual of Remote Sensing. Maintains committees on specifications and standards and also nomenclature. Contributes to programs aimed at the standardization of definitions and terminology. Actively participates in the work of the International Society for Photogrammetry and Remote Sensing.
Availability	Sold directly
Keywords	photogrammetry; remote sensing; aerial photography; mapping; surveying;

AMERICAN SOCIETY OF PLUMBING ENGINEERS

John S. Shaw, Executive Director

15233 Ventura Boulevard, Suite 811
 Sherman Oaks, California 91403
 (213) 783-4845

Founded: 1964

Type of Organization	Technical Society Works through other organizations to develop standards
Representation	National Standards Plumbing Code Committee of the National Association of Plumbing-Heating-Cooling Contractors, the American National Standards Institute (ANSI), the American National Standards Committee A40, International Association of Plumbing and Mechanical Officials (IAPMO), and the American Society of Sanitary Engineers (ASSE), and on local code and administrative authorities.
Scope	A nonprofit professional technical society organized to elevate the field of plumbing to professional status. The only international organization devoted exclusively to the interests and concerns of plumbing engineering.
Standardization Activities	<p>Although ASPE does not publish standards, it is engaged in the important work of advising builders, architects, and property owners in the value, to them and to their projects, of well conceived, carefully prepared plumbing drawings and clear, concise specifications.</p> <p>ASPE's code committee examines all regulatory codes pertaining to the plumbing industry; submits proposed revisions or clarifications of codes to code writing authorities in an effort to simplify, standardize, and modernize all codes; and offers advisory services to other organizations or to governmental agencies involved in writing or enacting codes.</p>
Keywords	plumbing; codes; sanitation; building;

AMERICAN SOCIETY OF SAFETY ENGINEERS

Joseph Hudson, Manager Technical Services

850 Busse Highway
Park Ridge, Illinois 60068
(312) 692-4121

Founded: 1911

Type of Organization

Professional Society
Standards Developer and works through other organizations to develop standards

Scope

Composed of career safety specialists organized to promote and foster the advancement of the profession and the well-being and professional development of its members.

Standardization Activities

In 1973, ASSE adopted the position to no longer participate in the development of individual technical standards, however, it would continue to develop standards for the profession and participate in standards policy bodies. These activities are under the supervision of the Vice-President of Professional Affairs.

Promotes the participation of industry, labor, commerce, Government, educational institutions, etc., in the development of technical standards by pointing out to the membership the need for them to urge their individual companies or organizations to become involved in such activities, to assure that any resulting standards are effective and operable. Participates on broader, policy-making committees of other organizations where representation of the profession is appropriate. Recommends specialists to the standards advisory committees established by Occupational Safety and Health Administration (OSHA).

Formerly

Absorbed the United Association of Casualty Inspectors (1914)

Keywords

safety; safety engineering;

AMERICAN SOCIETY OF SANITARY ENGINEERING

Gael H. Dunn, Executive Secretary

P.O. Box 40362
Bay Village, Ohio 44140
(216) 335-3040

Founded: 1906

Type of Organization

Technical Society
Standards Developer

Standards Development

29 active standards
Standards submitted for ANSI approval

Standards Designation

ASSE prefix

Government Adoption

Standards are referenced by a large number of government agencies.

Certification

ASSE Seal Program

Scope

Plumbers, contractors, apprentices, journeymen, inspectors, engineers, health officials, and manufacturers interested in promoting public health and sanitation. Conducts research on plumbing and sanitation.

Standardization Activities Develops performance standards for plumbing system components. Standards provide a tool for measuring quality and effectiveness of a product. Products meeting these standards are identified by the ASSE Seal. Components of plumbing systems include backflow prevention devices, pressure regulators, water hammer arrestors, water mixing and shower control valves, anti-siphon hydrants, and other devices which directly affect public health and safety

Availability Distributed directly and through IHS

Formerly American Society of Inspectors of Plumbing and Sanitary Engineering

Keywords plumbing; construction; sanitation; public health;

AMERICAN SOD PRODUCERS ASSOCIATION

Bob Garey, Executive Director

Association Building
Ninth and Minnesota
Hastings, Nebraska 68901
(402) 463-4683
Founded: 1967

Type of Organization Trade Association
Standards Developer

Scope Objectives are to promote efficient and economical production of sod; to develop standards in the industry; to promote the production of better quality sod and its proper use; and to increase public awareness of the industry.

Standardization Activities Developed national guideline specifications for sodding. Through use of sod specification, assistance has been provided to various state and federal agencies, architects, landscape architects, contractors, and a wide variety of professional turfgrass managers.

Availability Distributed directly

Keywords sod; seed; turf; grass; agriculture;

AMERICAN SOYBEAN ASSOCIATION

Kenneth L. Bader, Chief Executive Officer

P.O. Box 27300
St. Louis, Missouri 63141
(314) 432-1600 Telex: 4312061
Founded: 1920

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Grain Standards Division, Foreign Agricultural Service, and Federal Grain Inspection Service of USDA

Scope A nonprofit, soybean producer-owned trade association organized to expand markets for soybeans and soybean products overseas.

Standardization Activities Works with NSPA, AFMA, and AOCS in monitoring standards, specifications and trading rules for soybeans, soybean meal, and soybean oil, both for domestic sale and sale into the export markets.

Keywords soybean; agriculture;

AMERICAN SPEECH-LANGUAGE AND HEARING ASSOCIATION

Peggy S. Williams, Ph.D., Director
Professional Practices Division

10801 Rockville Pike
Rockville, Maryland 20852
(301) 897-5700

Founded: 1925

Standards Staff: 6

Type of Organization

Professional Society
Standards Developer

Certification

ASHA is the accrediting agency for college and university programs offering master's degrees in speech-language pathology and audiology and for programs offering clinical services in speech-language pathology and audiology to the public.

Scope

A national professional and scientific association for 35,000 speech-language pathologists and audiologists concerned with communication behavior and disorders. Maintains high standards of clinical competence for professionals providing services to the public; encourages the development of comprehensive clinical service programs; promotes investigation of human communication and its disorders; and stimulates exchange of information about human communication.

Standardization Activities

Directed toward assuring quality of the speech-language pathology and audiology services provided to communicatively impaired persons. Develops standards for appropriate education and training of speech-language pathologists and audiologists. Accredits professional clinical service programs in speech-language pathology and audiology which meet criteria on organizational structure, quality services, personnel, records, physical plant and equipment, community relations, and program evaluation. Incorporates ANSI standards on electroacoustic measurements of hearing aids; on permissible ambient noise during audiometric testing; and on calibration of audiometric equipment into PSB standards.

Maintains Council on Professional Standards which establishes and monitors all standards programs related to certification, continuing education, education and training, and professional services. Reviews and comments on standards proposed by ANSI that pertain to electro- and bioacoustic characteristics of audiometric equipment, hearing aids, and environments for hearing testing.

Standards are recognized by the Council of Postsecondary Accreditation, U.S. Department of Education, Joint Commission on Accreditation of Hospitals, National Easter Seal Society, Council of State Administrators of Vocational Rehabilitation and Commission on Accreditation of Rehabilitation Facilities.

Availability

Distributed Directly

Formerly

American Speech & Hearing Association (1978)

Keywords

speech; language; hearing; acoustics; communication disorders; hearing aids; health; education;

AMERICAN SPICE TRADE ASSOCIATION

Thomas F. Burns, Executive Vice President

580 Sylvan Avenue
P.O. Box 1267
Englewood Cliffs, New Jersey 07632
(201) 568-2163

Founded: 1907

Type of Organization

Trade Association
Standards Developer

Standards Designation

Official methods

Scope

Importers, grinders, and distributors of spices

Standardization Activities

Maintains a Standards Committee whose function is to adopt standards of quality for whole spices, seeds, and herbs imported at American ports of entry. Also, through the ASTA's Research Committee, in cooperation with RESEARCH 900, developed the values of the base nutrient composition of spices including ash, fat, fiber, moisture, protein, calories, and vitamin content. Cooperated with the Wisconsin Alumni Research Foundation to develop the content of twenty-one mineral elements in spices.

Developed a publication, Official Analytical Methods, for analyzing spices. Also developed a publication, Official Microbiological Methods, which aims to designate official methods for the detection and enumeration of microorganisms occurring on spices, seeds, and herbs and to provide helpful information and guidelines to those responsible for the assessment of microbiological quality of spices and seasonings.

Keywords

spice; herbs; food;

AMERICAN STATISTICAL ASSOCIATION

Fred C. Leone, Executive Director

806 15th Street NW.
Suite 640
Washington, D.C. 20005
(202) 393-3253

Founded: 1839

Type of Organization

Scientific/Professional Society
Works through other organizations to develop standards

Representation

ASTM, ANSI, ISO

Scope

Composed of persons interested in applied or theoretical statistics. Through the Association, members mutually help each other with the exchange of professional knowledge and the reporting of new developments, insuring that statistical techniques discovered in one field are made known to workers in others. Includes users of statistics in business and industry, finance, agriculture, biology, medicine and public health; in virtually all specialized fields of science, education, engineering, economics, sociology, and demography; and in clinical statistics, military science, pharmacology, nutrition, public opinion polling, market analysis, psychometrics, biometrics, mathematical statistics, quality control, operations research, and many other fields.

Standardization Activities While ASA does not set or promulgate official standards it does work to improve standards in statistical presentation. This is accomplished by participating in the development of American National Standards and ASTM standards for analyzing test data, assessment of normality and related subjects. Reviews and comments on ISO draft standards dealing with statistics.

Keywords statistics; biometrics; biopharmaceutical; business; economics; testing; quality assurance; data processing;

AMERICAN TEXTILE MACHINERY ASSOCIATION

Harry W. Buzzerd, Executive Vice President

7297 North Lee Highway
Falls Church, Virginia 22042
(703) 533-9251

Founded: 1933

Type of Organization Trade Association
Standards Developer

Scope A nonprofit, trade association devoted to the advancement of U.S. based manufacturers of textile machinery, ancillary equipment and parts. Major activities include government affairs, market development, technical services, and educational programs.

Standardization Activities Develops criteria to help overcome industry problems; issued criteria for dust and noise measurement. Provides guidelines for innovative machinery technology. Worked with ANSI to develop the Safety and Health Standard for the Textile Industry.

Availability Distributed directly

Keywords textile machinery; safety;

AMERICAN THORACIC SOCIETY

Sandy R. Iannotta, Executive Director

1740 Broadway
New York, New York 10019
(212) 245-8000

Founded: 1905

Type of Organization Professional society
Standards Developer

Standards Development Standards developed in areas of pulmonary medicine, environmental health, infectious disease control, respiratory therapy, and medical devices. Standards not processed through ANSI. Draft standards available for review to members.

Government Adoption Standards related to the treatment and control of tuberculosis are developed jointly with the Centers for Disease Control of the U.S. Public Health Service.

Certification No certification or accreditation programs

Scope A professional society dedicated to the prevention and control of lung disease, and works to provide optimal health care services for individuals with lung disease. Emphasizes research and professional education. Serves as the medical section of the American Lung Association. Provides a forum for review of issues

related to all aspects of lung health and the development of programs for the control of lung disease. Functions on a national level through cooperation with federal agencies and national voluntary health organizations.

Standardization Activities

Develops standards and classifications for tuberculosis and other respiratory diseases. Provides standards for spirometers which are adhered to by all product manufacturers. Standards developed by the Society are incorporated into accreditation programs for health care institutions. Participates on committees of ANSI and National Committee on Clinical Laboratory Standards. Maintains close liaison with various government agencies primarily the Department of Health and Human Services. Acts as an advisor to federal agencies in their development of regulations and standards.

Availability

Distributed directly and through state and local affiliates of the American Lung Association.

Formerly

National Tuberculosis Association, American Trudeau Society (1960)

Keywords

pulmonary; tuberculosis; medical devices; spirometry; lung disease; public health; health care;

AMERICAN TRUCKING ASSOCIATIONS

Bennett C. Whitlock, Jr., President

1616 P Street NW.
Washington, D.C. 20036
(202) 797-5000

Founded: 1933

Standards Staff: 7

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

ANSI N14, ASTM, SAE, NFPA, National Committee on Uniform Traffic Laws and Ordinances

Scope

A federation of state trucking associations which provides representation for types and classes of motor carriers of property. Engages in legislative and regulatory activities, and promotes the development of programs and standards to improve the safety and efficiency of truck operations, and to facilitate the interchange of freight and vehicular equipment among motor carriers.

Standardization Activities

The Engineering Department works through other organizations to develop standards for the design, testing, interchange, use, and maintenance of motor trucks and trailers. Cooperates in vehicular standards activities of the Society of Automotive Engineers including standards development for electronic componentry and space needs of truck drivers for proper use of controls, equipment, and accessories in the truck cab.

The Safety Department develops safety programs, publications, and forms for use by motor carriers. Represented on ANSI committees which maintain standards for the safe transportation of radioactive materials and develops standards relating to the design, maintenance, and operation of powered industrial lift trucks.

The Safety Department is also represented on the NFPA Committee on Motor Vehicle and Highway Fire Protection, and the NFPA Committee on Portable Fire Extinguishers.

Keywords

trucks; trailers; motor carriers; transportation; highway safety;

AMERICAN VACUUM SOCIETY

Nancy L. Hammond, Executive Secretary

335 East 45th Street
New York, New York 10017
(212) 661-9404

Founded: 1953

Type of Organization

Scientific Society
Standards Developer

Standards Development

26 tentative standards
None processed through ANSI
Future standards to be offered for outside review

Standards Designation

AVS prefix

Scope

Scientists, engineers, and others interested in vacuum technology. Promotes education and research.

Standardization Activities

Establishes standards for nomenclature, measuring techniques and such items as flanges and fittings on vacuum equipment. Standards drafted and reviewed under the auspices of the AVS Standards Committee.

Availability

Distributed directly

Keywords

vacuum technology; industrial equipment; flanges; leak detection;

AMERICAN WATCHMAKERS INSTITUTE

Michael P. Danner, Administrative Director

P.O. Box 11011
Cincinnati, Ohio 45211
(513) 661-3838

Founded: 1960

Type of Organization

Technical Society
Standards Developer

Certification

Program includes examinations for certified watchmakers and master certified watchmakers. Also participates in state licensing.

Scope

A nonprofit corporation dedicated to the advancement of horology. Four thousand watchmakers and others who sell, service, or collect horological items. Activities include technical bulletins, a certification program, professional seminars, a monthly newsletter, and maintenance of the Packard watch collection.

Standardization Activities

Involved in standards of craftsmanship through dissemination of technical bulletins, and certification examinations. Aims to standardize the technical teaching techniques in the U.S. through its Education Committee which operates through the schools.

Participated in the American National Standards Institute's program on the Standardization of Corundum Bearings in Horology, reviewed standards on chronometers for the U.S. Army, and reviewed railroad time standards for the U.S. Bureau of Standards. Worked with the British Horological Society to determine the proper placement of jewels in a 17 jewel watch.

Availability Distributed directly

Formerly Merger of Horological Institute of America and the United Horological Association of America

Keywords horology; watchmaking; instruments;

AMERICAN WATER WORKS ASSOCIATION

Robert R. Lumsion, Director, Technical Services

6666 West Quincy Avenue
Denver, Colorado 80235
(303) 794-7711

Telex: 450895 AWWA DVR

Founded: 1881

Standards Staff: 8

Type of Organization

Scientific Society
Standards Developer

Standards Development

Standards developer since 1890
87 active voluntary consensus standards
50% processed through ANSI
12 standards under development
850 members active in standards activities

Standards Designations

AWWA or ANSI prefixes

Government Adoption

The Department of Defense (DoD) has adopted 16 AWWA standards.

Secretariats

ANSI Committee A21, Cast Iron Pipe and Fittings

Scope

Represents its 33,000 members in all areas concerning water supply. 2000 volunteers participate in the development of technical documents. Holds three conferences, annually. Publishes a monthly technical journal, news magazine, and publication for water system operating personnel.

Standardization Activities

Develops standards for a variety of pipe, fittings, valves, wells, pumps, water treatment chemicals, water storage tanks, and procedures for installation and use of these products. Solicits both membership and public approval in formulating standards. Use of standards is voluntary.

Standard Methods for the Examination of Water and Wastewater, a compilation of 150 laboratory tests, is published jointly by AWWA, The American Public Health Association and the Water Pollution Control Federation.

Participates in ISO/TC 5/SC2, Cast Iron and Ductile Iron Pipe, and ISO/TC 30/SC7, Water Meters.

Availability

Distributed directly and through NSA, IMI, IHS, Global, and DIALORDER on DIALOG Information Services (File 245)

Keywords

water; pipe; valves; fittings; wells; pumps; tanks; water treatment chemicals; sanitation; reservoirs; construction; public health;

AMERICAN WELDING SOCIETY

Dr. H. Glenn Ziegenfuss, Technical Director

550 NW. LeJeune Road
P.O. Box 351040
Miami, Florida 33135
(305) 443-WELD

Telex: AMWELD SOC. No.51-9245

Founded: 1919

Standards Staff: 14

Type of Organization

Technical Society
Standards Developer

Standards Development

Developing welding standards since 1928
900 members participating in standards activities, including representation on 33 standards committees of ANSI, NFPA, AWWA, API, ASME and others
Draft standards available for review
100 active standards

Standards Designation

AWS, ANSI/AWS, AWS/SAF, AWS/WWA prefixes

Government Adoption

The Department of Defense has adopted 16 AWS filler metal specifications.

Secretariats

American Council of the International Institute of Welding (IIW)
ANSI Z49, Safety in Welding and Cutting
ANSI Welding Standards Management Board
Sponsor US TAG for ISO/TC 44, Welding

Scope

Founded to advance the science and technology of welding. Prepares standards such as codes, specifications, recommended practices, and technical reports. Holds symposiums and technical meetings. Cooperates with other organizations in the preparation and review of welding standards. Active in the International Institute of Welding and the ISO Committee on Welding. Participates through ANSI in establishing the USA position on draft international standards. Acts as a technical advisor to representatives on the IEC Committee on Welding.

Standardization Activities

AWS technical committees prepare standards covering four broad categories:

Welding fundamentals, including symbols, testing, definitions, filler metals, safety and health
Welding processes, including resistance welding, metal spraying, brazing, soldering
Inspection of welds, and qualification of welders and procedures
Industrial applications of welding, pertaining to buildings, bridges, ships, storage tanks, automotive, piping, aerospace

Availability

Sold Directly and through NSA, IMI, ANSI, IHS, and Global

Keywords

brazing; soldering; filler metals; welder qualification; welding; thermal cutting; safety; manufacturing;

AMERICAN WIRE PRODUCERS ASSOCIATION

Robert T. Chancler, Managing Director

1101 Connecticut Avenue NW.
Washington, D.C. 20036
(202) 857-1155

Founded: 1937

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1944

Certification

No certification, qualification, or accreditation programs

Scope

A nonprofit trade association of companies which manufacture from steel rod, all forms of steel alloy wire for industrial uses. Products include spring wire, stapling wire, rope wire, and tire bead wire.

Standardization Activities

Maintains a Technical Committee which publishes two Standards Manuals for round wire and flat and shaped wires. These contain recommended standards for 160 steel wire commodities. Developed a technical program to provide manufacturers and purchasers with technical information relating to the production of specialty wire.

Availability

Distributed directly

Formerly

Independent Wire Producers
Specialty Wire Association

Keywords

specialty wire; wire; materials;

AMERICAN WOOD-PRESERVERS ASSOCIATION

John D. Ferry, Secretary/Treasurer

P.O. Box 849
Stevensville, Maryland 21666
(301) 643-4163

Founded: 1904

Standards Staff: 2

Type of Organization

Technical Society
Standards Developer

Standards Development

Standards developer since 1930
200 members actively participating in standards development
2000 members given opportunity to vote on standards approval
Several standards developed in cooperation with ANSI

Standards Designation

AWPA prefix

Government Adoption

AWPA Standards are used in Federal specifications. Federal Specification TT-W-571 on Wood Preservation parallels AWPA standards.

Scope

An international technical society devoted to research and development of wood preservation chemicals and treating practices for use in the United States and other countries.

Standardization Activities Develops standards and specifications for wood preservatives and their introduction into the materials to be preserved. Standards cover preservatives, treatment of commodities, analysis methods, and conversion tables.

Availability Distributed directly

Keywords wood; preservation; treated wood; construction; building;

AMERICAN WOOD PRESERVERS BUREAU

Charles E. Thomas, President

2772 South Randolph Street
P.O. Box 6085
Arlington, Virginia 22205
(703) 931-8180

Founded: 1971

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1971
Developed 17 standards
None processed through ANSI

Standards Designation LP, General Purpose
MP, Marine Piling
CP, Construction Poles

Government Adoption The AWPB Quality Mark is accepted by the Federal Housing Administration, Farmers Home Administration, Veterans Administration, units of the DoD. It is recognized by the buildings codes, ICBO, BOCA, and SBCC, as well as local codes and other organizations.

Certification Certifies treated wood inspection agencies to license pressure treating plants to apply the AWPB quality mark to properly treated wood.

Scope A nonprofit, volunteer, code certifying organization with 10,000 members. Provides a nationally known Quality Mark certifying a definite preservative treatment. Operates a wood preservative laboratory to standardize methods and assure quality control. A three man Board of Review of retired scholars handles disputes.

Standardization Activities All AWPB pressure treated lumber and plywood standards are based on the American Wood-Preservers Association standards. Standard Review Committee of 15 industry members adds statistical quality control procedures to insure compliance.

Availability Sold directly

Keywords wood; preservation; treated wood; marine; construction; building;

ANIMAL HEALTH INTERNATIONAL

Harold A. Waters, President

5235 Yorktown Boulevard
Arlington, Virginia 22207
(703) 536-1719

Telex: 4994594 Ans. AHII

Founded: 1980

Standards Staff: 1 - Veterinarian
6 - Contract Consultants

Type of Organization Professional Society
Standards Developer

Standards Development	Standards developer since 1980
Government Adoption	Used worldwide by Office of International Epizootics (OIE) and International Air Transport Association (IATA).
Certification	Provides health certification for livestock and poultry moved internationally.
Standardization Activities	Develops standards in cooperation with the chief animal health officials of various countries in the areas of humane standards for animal transport on aircraft or ocean vessels.
Availability	Distributed through IATA and OIE
Keywords	health; transportation; agriculture; animals;

ANTI-FRICTION BEARING MANUFACTURERS ASSOCIATION

James J. Whitsett, President

1235 Jefferson Davis Highway
Century Building
Suite 704
Arlington, Virginia 22202
(703) 979-1261

Founded: 1933

Standards Staff: 2

Type of Organization	Trade Association Standards Developer
Standards Development	21 active standards
Standards Designation	ANSI/AFBMA prefix
Certification	No certification, qualification, or accreditation programs
Secretariats	Accredited Standards Committee B3 operating under ANSI procedures U.S.TAG for ISO/TC 4 and subcommittee SC3, SC6, SC9, SC10, SC11
Scope	Manufacturers of ball bearings, roller bearings, balls, rollers, and spherical plain bearings.
Standardization Activities	Develops ANSI/AFBMA standards
Availability	Directly and through ANSI, NSA, IMI, IHS, and Global
Keywords	ball bearings; roller bearings; machinery;

ARCHERY MANUFACTURERS ORGANIZATION

Lloyd Golding, Executive Director

200 Castlewood Drive
North Palm Beach, Florida 33408
(305) 842-4100

Founded: 1946

Type of Organization	Trade Association Standards Developer
-----------------------------	--

Standards Development	14 standards currently published None processed through ANSI Available to non-members
Certification	No certification, qualification, or accreditation programs
Scope	A private, nonprofit, nongovernmental organization whose primary purpose is to improve and promote the sport of archery; improve and promote the business of archery manufacturers; further the business interests of and promote friendly relationships with its members; study ways and means of improving business methods; establish trade standards, and compile and distribute to its members statistics and information regarding the archery manufacturing industry; and to fund the operation of the American Archery Council.
Standardization Activities	Introduced voluntary industry-wide standards to reduce confusion, promote interchangeability of accessories, and give the dealer and archer confidence in the purchase of equipment. Member manufacturers using these standards identify their products with the AMO symbol. The standards committee serves AMO in an advisory capacity and as an investigative unit. Standards have been developed for all aspects of archery and equipment including nomenclature, standard bow length and weight, strings, arrows, fletching sights, accessories, and accessory mounting holes.
Availability	Distributed directly
Formerly	Archery Manufacturers and Dealers Association (AMADA) Archery Manufacturers' Association
Keywords	archery; bowhunting; recreation;

ARCHITECTURAL ALUMINUM MANUFACTURERS ASSOCIATION

	John Gurniak, Technical Director 35 East Wacker Drive Suite 3200 Chicago, Illinois 60601 (312) 782-8256 Founded: 1936
Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since 1936 Processed through ANSI
Standards Designations	ANSI/AAMA prefix
Government Adoption	Standards are referenced by HUD in the M.P.S., and accepted by the Defense Department.
Certification	Sponsors certification program for aluminum and vinyl windows and doors; also sponsors a program for manufactured housing to comply with FMH CSS/HUD requirements.
Scope	A trade association of approximately 260 firms engaged in the manufacture and sale of architectural building components and related products.

Standardization Activities ANSI/AAMA Voluntary Standards currently exist for aluminum prime windows and doors, and sliding glass doors covering characteristics, such as air infiltration, water resistance, windload, structural strength, component requirements, and other quality requirements.

Other Voluntary Standards cover energy balance calculating procedures, recommended test methods, and coatings and finishes for storm windows and doors, aluminum siding, hardware, and sealants.

Standards undergo constant review and are updated to reflect technical advances in the industry.

Keywords aluminum; windows; doors; siding; building;

ARCHITECTURAL FABRIC STRUCTURES INSTITUTE

see **INDUSTRIAL FABRICS ASSOCIATION INTERNATIONAL**

ARCHITECTURAL PRECAST ASSOCIATION

Robert W. Walton, Executive Director

825 East 64th Street
Indianapolis, Indiana 46220
(317) 251-1214

Founded: 1966

Type of Organization Trade Association
Standards Developer

Standards Designations CSI prefix

Scope Manufacturers of precast concrete panels and their suppliers. Disseminates educational materials, and promotes interest in the industry.

Standardization Activities Encourages the adoption of the standards and specifications of the association. Prepared the guide specifying Precast Concrete Panels; CSI Specification Series 03410 in conjunction with the Construction Specifications Institute.

Availability Distributed by the Construction Specifications Institute

Keywords precast concrete; concrete; building;

ARCHITECTURAL WOODWORK INSTITUTE

William H. Winter, Vice President

2310 South Walter Reed Drive
Arlington, Virginia 22206
(703) 671-9100

Founded: 1953

Type of Organization Trade Association
Standards Developer

Scope To develop industry standards; research new and better materials and methods; maintain and offer correspondence course training for estimators, detailers, and billers; and publish technical data helpful in the design and use of architectural woodwork.

Standardization Activities	Carries on a sustained program of standardization in the fields of cost accounting, estimating, detailing and billing, and the fabrication of architectural woodwork, sometimes known as special millwork, detail millwork, or contract millwork. This is done through the following publications: AWI Cost Accounting Manual (1983); AWI Operational Cost Estimating Book (1960); Quality Standards for Architectural Woodwork (1983); Guide Specification for Architectural Woodwork (1983).
Availability	Sold directly
Absorbed	Millwork Cost Bureau
Keywords	wood products; millwork; lumber, building;

ASBESTOS INFORMATION ASSOCIATION NORTH AMERICA

Nicholas J. Hluchyj, Assistant for Governmental Affairs

1745 Jefferson Davis Highway
Crystal Square 4
Suite 509
Arlington, Virginia 22202
(703) 979-1150

Founded: 1970

Type of Organization	Trade Association Standards Developer
Standards Development	9 active standards 1 draft standard
Standards Designation	Recommended Work Practices
Certification	No certification, qualification, or accreditation programs
Scope	A nonprofit organization whose member companies are involved in the mining, milling, manufacturing, and marketing of asbestos and asbestos-containing products. Efforts are centered on health and safety aspects of asbestos and its use.
Standardization Activities	Standards developed by committees with participants drawn from member companies.
Availability	Sold directly
Keywords	asbestos; safety; health; materials;

ASPHALT EMULSION MANUFACTURERS ASSOCIATION

John H. Ganoe, Executive Director

1133 Fifteenth Street NW.
Washington, D.C. 20005
(202) 429-9400

Founded: 1973

Type of Organization	Trade Association Standards Developer
Standards Development	Developed a series of Recommended Performance Guidelines for the manufacture and use of emulsified asphalt.

**Standards
Designations**

Recommended Performance Guidelines

Scope An industry-wide trade association including over 120 corporate members in the United States, Canada, Mexico, and in many countries overseas. The technical work of the association is done in the committees and sub-committees of the association's International Technical Committee.

Standardization Activities The International Technical Committee prepares guide specifications for the proper use of emulsions. AEMA holds organizational membership in the American Society for Testing and Materials. Individual AEMA members hold committee chairmanships and subcommittee chairmanships within the ASTM structure, and particularly in ASTM Committee D-4. AEMA is also active in the American Association of State Highway Transportation Officials and is a member of the Materials and Services Division of the American Road Builders Association where it reviews state and roadbuilding specifications and participates in the Stabilization Committee.

Availability Distributed directly

Keywords materials; asphalt; asphalt emulsion; slurry seal; seal coat; construction;

ASPHALT INSTITUTE

Gerald S. Triplett, President

Asphalt Institute Building
College Park, Maryland 20740
(301) 277-4258

Founded: 1919

Type of Organization Trade Association
Develops Guidelines

Standards Development 25 active standards

Representation Works closely with other organizations in the development of standards including the American Society for Testing and Materials, the American Association of State Highway and Transportation Officials. Staff members serve on technical committees of standards making organizations. Promulgates standards of other organizations.

Certification No certification, qualification, or accreditation program

Scope An international business league (trade association) representing the manufacturers of asphalt or processors of asphalt materials. Publishes informational and technical literature. Maintains field offices in the continental U.S. Conducts extensive programs of education, research, and engineering service related to asphalt products.

Standardization Activities Works closely with its member companies, and serves upon appropriate standards-making committees of the American Society for Testing and Materials, the American Association of State Highway and Transportation Officials, and others. Works in collaboration with kindred organizations such as the National Asphalt Pavement Association, the Asphalt Emulsion Manufacturers Association, the Asphalt Roofing Manufacturers Association, the Highway Users Federation for Safety and Mobility, and others. Prepares Asphalt Institute Guidelines many of which are subsequently processed as ASTM and AASHTO standards.

Availability Distributed directly and through Global and IHS
Formerly Asphalt Association (1929)
Keywords asphalt; highways; pavements; construction; materials;

ASPHALT ROOFING MANUFACTURERS ASSOCIATION

Richard D. Snyder, Executive Vice President

6288 Montrose Road
Rockville, Maryland 20852
(301) 231-9030

Founded: 1919

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Technical Committees cooperate in the formulation and improvement of standards and specifications covering asphalt roofing products developed by the Federal Government, ASTM, Underwriters Labs, Factory Mutual, and others.

Scope A national trade association representing U.S. companies that produce asphalt shingles, roll goods, and allied roofing products. Provides basic membership services including research in improving the durability of asphalts for roofing products.

Standardization Activities Works with standards producing organizations to coordinate industry standards activities and to provide expertise when requested. A Code Task Force works cooperatively with the association's Residential Roofing Committee and Built-Up Roofing Committee to assure recommended application practices adhere to building code requirements.

Formerly Asphalt Roofing Industry Bureau (1970)

Keywords roofing; asphalt shingles; fiberglass shingles; construction; building;

ASSOCIATED AIR BALANCE COUNCIL

Kenneth M. Sufka, Executive Director

1133 Fifteenth Street NW.
Suite 1000
Washington, D.C. 20005
(202) 429-9440

Founded: 1965

Standards Staff: 6

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1965
All members participate in standards activities

Standards Designation AABC National Standards, 1982

Government Adoption Army Corps of Engineers

Certification Test and Balance Certification for membership; no certification to use standards.

Scope A nonprofit organization of qualified independent test and balance agencies. Promotes professional standards for the industry and a scientific approach to testing and balancing air handling systems. Represents its membership at national and international levels.

Standardization Activities Activities directed toward fulfilling the minimum requirements for total system balance. AABC National Standards, 1982 (a performance standard for the Total System Balancing industry), revises and replaces all National Standards previously published by the Council.

Availability Sold directly and through members

Keywords hydronic systems; construction; building; air handling;

ASSOCIATED GENERAL CONTRACTORS OF AMERICA

Hubert Beatty, Executive Vice President

1957 E Street NW.
Washington, D.C. 20006
(202) 393-2040 Telex: 710-822-9406 AGC WSH

Founded: 1918

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Represented on committees of National Institute of Building Sciences and ANSI

Scope A national trade association that represents general contractors and all related business interests engaged in commercial construction.

Standardization Activities Engages in a wide variety of standards related activity covering fields, such as training and competency of on-site construction workers and supervisors, contract documents for use by contractors and owners for a wide range of contractual variations, safety and health procedures for construction sites, federal procurement regulations, and teaching construction skills at the secondary school and college levels. Cooperates with other groups including ANSI, building trade unions, architects/engineers, and various federal agencies.

Availability Distributed directly and through cooperating organizations

Keywords construction; building;

ASSOCIATED LOCKSMITHS OF AMERICA

Joyce A. Laurie, Executive Director

3003 Live Oak Street
Dallas, Texas 75204
(214) 827-1701

Founded: 1955

Type of Organization Trade Association
Standards Developer

Standards Development 3 active standards

Scope Encourages and promotes the voluntary exchange among locksmiths of technical service data on security products; evaluates the position of the locksmith in the security industry; establishes a uniform code of ethics and conducts trade promotion activities.

Standardization Activities Maintains a Security Standards Committee which administers the standardization activity and is now working on standards for security devices in relation to locks. Works closely with the American Society for Testing and Materials' program for voluntary standards in locking devices, Committee F-12 on Security Systems and Equipment. Was successful in getting industry support to standardize and improve the quality of packaging for key blanks. Recommended a Standard City Ordinance on Building Security. Currently is working on a recommended standard for state licensing or registration of locksmiths. The Key Blank Boxes, Building Security, and Locksmith License are the three current standards of ALA, all considered national in scope.

Availability Distributed directly

Keywords locksmithing; keys; locks; building; public safety;

ASSOCIATED MASTER BARBERS AND BEAUTICIANS OF AMERICA

Katrina Davis, Office Administrator
 219 Greenwich Road
 P.O. Box 17782
 Charlotte, North Carolina 28211
 (704) 366-5177

Founded: 1924

Type of Organization Professional Society
 Standards Developer

Certification Examinations to certify ability to do hairpiece work, styling, coloring, relaxing, and merchandising are required for the professional certification of barbers.

Scope Aims to professionalize the industry through education and standardization.

Standardization Activities Administers a National Education Council and Executive Committee which are active in standards activities. Standard rules and regulations are written for and apply to barber colleges, individual students and barbers, hairstylists, textbooks, and for judging contestants in contests. State Regulations, however, supersede AMBBA rules and regulations. Advocates use of a barber stylist standardized examination and educational program for the profession. Current projects include standardization of advanced educational methods in barber schools, as well as for shows and educational seminars.

Promotes its standards through mailings, personal contact, a monthly magazine, and barber shows.

Availability Distributed directly

Keywords barbers; hair; beauticians; education;

ASSOCIATION FOR COMPUTING MACHINERY

Sidney Weinstein, Executive Director

11 West 42nd Street
New York, New York 10036
(212) 869-7440

Founded: 1947

Type of Organization

Scientific Society
Standards Developer

Standards Designations

ACM prefix

Scope

An international educational and scientific society of 65,000 computer professionals. Advances the science and art of information processing; promotes free interchange of information between computer scientists and the general public; develops and maintains the integrity and competence of individuals engaged in the information processing profession.

Standardization Activities

Represented on several technical committees of X3-Information Systems. Particularly active in the standardization of programming languages. Member of the ANSI Information Systems Standards Board. Developed SIGGRAPH CORE standard on 3-dimensional computer graphics. A program for processing standards through ANSI is under consideration.

Availability

Distributed through ACM Order Department, P.O. Box 64145, Baltimore, Maryland 21264

Keywords

computers; programming languages; computer graphics; information;

ASSOCIATION FOR EDUCATION OF THE VISUALLY HANDICAPPED

AAWB/AEVH ALLIANCE (provisional title)*

Kathleen Megivern, Executive Director

206 North Washington Street
Alexandria, Virginia 22314
(703) 836-6060

Founded: 1853

Type of Organization

Professional Society
Standards Developer

Certification

Maintains a certification service for teachers and child care workers/houseparents. Standards are reviewed/revised annually.

Scope

A professional organization of 2,500 members which serves educators of the visually handicapped in the U.S. and Canada.

Standardization Activities

Participates in training institutes, the development of special standards, research in the field. Cooperate with national and international agencies interested in the education of visually handicapped children and youth.

Formerly

Instructors of the Blind
American Association of Instructors of the Blind
* Recent merger of American Association of Workers for the Blind and Association for Education of the Visually Handicapped

Keywords

visually handicapped; blindness; education;

ASSOCIATION FOR INFORMATION AND IMAGE MANAGEMENT

John R. White
Director, Publications and Technical Services

1100 Wayne Avenue, Suite 1100
Silver Spring, Maryland 20910
(301) 587-8202

Founded: 1943

Standards Staff: 3

Type of Organization

Professional and Trade Association
Standards Developer

Standards Development

Develops standards, recommended practice and technical reports
16 standing committees
200 individuals participating in standards activities
22 active standards and recommended practices
5 technical reports
8 technical tools

Standards Designations

Published documents are designated as either ANSI/AIIM MS or AIIM MS (MS = Micrographic Standard). Technical Reports are designated as AIIM TR. (Prior to July 1, 1983, the Association was known as the National Micrographics Association and used the acronym NMA. Documents published and printed prior to that used the NMA acronym where the AIIM acronym is now used.)

Government Adoption

Documents are submitted for adoption to the Department of Defense (DoD) or as part of the Federal Information Processing Standards Series (FIPS).

Certification

No certification, qualification, or accreditation programs

Secretariats

ANSI PH5 Committee on Micrographics Reproduction
U.S. Technical Advisory Group (TAG) to ISO/TC 171, Micrographic Reproduction

Scope

Serves its professional and trade members in promoting education and applications for information and imaging technologies which facilitate the effective storage, transfer, retrieval, and processing of images and information.

Standardization Activities

Standards committees and ad hoc groups collect data, evaluate proposed procedures, tests, drafts, and publish documents to meet the technical needs of the micrographics industry. These documents are published as standards, recommended practices, and technical reports. Areas covered include the recording, storage, retrieval, and distribution of images containing both alphanumeric and graphics data; formats; quality requirements; dimensions; product standardization; test methods; definitions for terms and phrases; and uniform product descriptions.

Availability

Distributed directly and through ANSI

Formerly

National Microfilm Association (1943)
National Micrographics Association (1975)

Keywords

microfilm; micrographics; business systems; photography;
information processing; office products;

ASSOCIATION FOR THE ADVANCEMENT OF MEDICAL INSTRUMENTATION

Elizabeth A. Bridgman
Manager for Technical Development, Standards Programs

1901 North Ft. Myer Drive
Arlington, Virginia 22209
(703) 525-4890

Founded: 1967

Standards Staff: 3

Type of Organization

Technical Association
Standards Developer

Standards Development

Standards Developer since 1967
2000 members and nonmembers participating in standards activities
7 American National Standards, 3 AAMI standards, 3 AAMI recommended practices, 9 proposed standards and recommended practices, and 25 draft standards
Draft standards available for review

Standards Designations

American National Standards, AAMI Final Standards and AAMI Recommended Practices

Government Adoption

The Department of Defense has adopted 2 AAMI standards. The Food and Drug Administration utilizes AAMI standards for various regulatory purposes.

Certification

No certification, qualification, or accreditation programs

Secretariats

ISO/TC 150/SC 2 Cardiovascular Implants

Scope

An international technical association whose members include over 3,000 individual health care practitioners; nearly 400 hospitals, universities, government agencies, laboratories and medical societies; and nearly 150 medical device companies. Mission is to help developers and users with the development and utilization of medical technology. Accomplished through publications, standards, educational conferences, certification of health care professionals, and numerous technical communication programs.

Standardization Activities

Assists the manufacturers of medical devices and the users of medical technology by developing and approving device product standards and guidelines for the safe use and safe environment relative to medical technology. Participates with government, industry, consumers, and the professional community to develop standards. Accredited by the American National Standards Institute. Involved with international standards activities through IEC, ISO, and other international standards organizations.

Develops standards and recommended practices primarily in the areas of cardiovascular, gastroenterological, general surgical, neurosurgical, and hospital and industrial sterilization technology.

Availability

Distributed directly and by IHS and Global

Keywords

medical devices; medical instrumentation; sterilization; safety; health care;

ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS

Barbara J. Sims, Secretary

Texas Feed and Fertilizer Control Service
P.O. Box 3160
College Station, Texas 77840
(713) 845-1121

Founded: 1909

Type of Organization

Professional Society
Standards Developer

Standards Development

14 committees and 35 product investigators active in standards development
None processed through ANSI
Draft standards and revisions available for review by non-members

Scope

A nonprofit association of feed control officials whose membership includes persons charged by law with execution of state, provincial, dominion, and federal laws in North America, Hawaii, and Puerto Rico regulating the production, labeling, distribution, and sale of animal feeds and livestock remedies.

Standardization Activities

Directed toward development of uniform feed laws and regulation for implementation by various agencies and development of definitions for feed terms and feed ingredients for use by control officials and the feed industry.

Availability

Distributed through Donald H. James, Dept. of Agriculture, Room E-111, State Capitol Building, Charleston, W. VA 25305

Keywords

animal feed; livestock remedies; agriculture; government officials;

ASSOCIATION OF AMERICAN PLANT FOOD CONTROL OFFICIALS

D. L. Terry, Secretary

c/o University of Kentucky
Lexington, Kentucky 40546
(606) 257-2970

Founded: 1946

Type of Organization

Professional Society
Standards Developer

Standards Development

Standards developer since 1946
Model legislation and standards available for review

Government Adoption

Several states have adopted one or more of the standards and most states accept the principles of uniformity promoted by AAPFCO.

Scope

Officials of agencies concerned with enforcement of laws relating to control of sale and distribution of mixed fertilizer and fertilizer materials. Members in the U.S., Canada, and Puerto Rico.

Standardization Activities

Develops model laws and standards for fertilizer labeling, terms and definitions, enforcement policies, and tonnage reporting. These are developed through various committees which solicit input from regulatory officials, professional agronomists, the fertilizer industry, and federal agencies. Model laws for fertilizer, liming and soil are the basis for legislation in a number of states.

Availability Distributed directly

Formerly Association of American Fertilizer Control Officials

Keywords fertilizers; limestone; agriculture; government officials;

ASSOCIATION OF AMERICAN PUBLISHERS

Townsend Hoopes, President

One Park Avenue
New York, New York 10016
(212) 689-8920

Founded: 1970

Type of Organization Trade Association
Works through other organizations to develop standards

Scope Producers of hardbound and softbound general, educational, trade, reference, religious, scientific, technical, and medical books; instructional materials; periodicals and tests.

Standardization Activities Works with the Book Manufacturers Institute (BMI) and the National Association of State Textbook Administrators (NASTA) to comprise a three member Advisory Commission on Textbook Specifications (ACTS) which develops the Manufacturing Standards and Specifications for Textbooks (elementary and high school).

Availability Distributed through ACTS

Formerly Merger of American Educational Publishers Institute and American Book Publishers Council

Keywords books; book publishing; publishing; communications;

ASSOCIATION OF AMERICAN RAILROADS

Daniel L. Lang, Vice President
Information and Public Affairs

1900 L Street NW.
Washington, DC 20036
(202) 835-9551

Telex: 892352

Founded: 1934

Type of Organization Trade Association
Standards Developer

Standards Development The Manual of Standards and Recommended Practices (19 volumes) contains nearly 1400 documents.

Standards Designations Specifications are designated with an "M" prefix, Standards with an "S" prefix, Recommended Practices with an "RP" prefix.

Certification The Research and Test Department is responsible for conducting certification testing of new designs of cars and components, quality control checks on components and materials, lubricant testing, and analysis of failed components.

Scope Membership consists of 131 U.S. railroads, 5 Canadian, 5 Mexican, and 73 associate members. Association members haul approximately 98 percent of the nation's rail traffic and account for 94 percent of the rail mileage. The association serves its members in

matters that require cooperative handling to better enable the railroads to operate as a national system and to contribute toward the purposes of the national transportation policy set forth by Congress. It is an umbrella organization consolidating a number of smaller, more specialized groups and is organized by departments which span the fields of law, operations and maintenance, research and testing, railway economics and statistics, finance and accounting, railway information and public affairs, legislation, and data systems.

Standardization Activities

AAR specifications, standards and recommended practices are issued by the Mechanical Division on authority of the Division's General Committee. The Division and its standards deal with the design, construction, performance, maintenance, repair, and inspection of locomotives, freight cars, and other railroad mechanical equipment that is interchanged among railroads.

The Communications and Signal Division develops recommended practices for engineering, design, construction, operation, and maintenance of rail communication and signal systems. It maintains liaison with appropriate professional organizations such as the American National Standards Institute and the Institute of Electrical and Electronics Engineers, and with government agencies. It is the national radio frequency coordinator to the Federal Communications Commission for assignment of radio frequencies for the railroads in the United States, and the United States/Canadian coordinator along the border.

The Data Systems Division, through RAILINC Corporation, a subsidiary of AAR, stimulates the development and application of data processing and information techniques and establishes procedures which promote their efficient and productive use and simplify the interchange of data. This division serves as the principal railroad representative to American National Standards Committee X3 and the Transportation Data Coordinating Committee. Its committees are examining the industry's coding and standards needs in the area of data elements, teleprocessing protocols, etc.

Other AAR activities involved in standardization include the Safety Division's Bureau of Explosives which tests and classifies, for transportation purposes, materials considered hazardous under government regulation and makes recommendations covering packaging, labeling, and handling en route. The Bureau maintains a chemical laboratory at Edison, N.J. and field inspectors at key locations throughout the United States and Canada. More than 200 industrial associate members, including most of the principal manufacturers and shippers of hazardous materials, participate in the work of the Explosives Bureau.

Standardization and simplification of railroad accounting and treasury practices and requirements is accomplished through the Economics and Finance Department. This department prepares various publications on rules, standard forms, procedures, and codes, as well as economic and statistical data covering railroad operations and their financing.

Availability

The Manual of Standards and Recommended Practices is sold directly.

Keywords

transportation; railroads; accounting; finance; explosives; safety; communications; data processing;

ASSOCIATION OF ASBESTOS CEMENT PIPE PRODUCERS

Joseph C. Jackson, President

1600 Wilson Boulevard
Suite 1008
Arlington, Virginia

Founded: 1972

Standards Staff: 1

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

4 member companies represented on standards committees of ASTM and AWWA
16 member companies active in ISO/TC 77

Scope

An international association of producers of asbestos cement pipe worldwide. Promotes the use and sale of asbestos cement water and sewer pipe.

Standardization Activities

Standards activities are directed toward the development and maintenance of contemporary product, test, and performance standards for asbestos cement water and sewer pipe, including special applications.

Keywords

construction; asbestos cement; asbestos cement pipe, sewer pipe;

ASSOCIATION OF BEDDING AND FURNITURE LAW OFFICIALS

Irwin Block, Bedding Consultant

State of New York, Department of State
270 Broadway
New York, New York 10007
(212) 587-5741

Type of Organization

Professional Society
Standards Developer

Scope

Provides a national forum for the discussion of all questions relating to the administration of bedding and upholstered furniture laws as carried on by regulatory officials of the states, commonwealths, territories, and possessions of the United States, their political subdivisions, the District of Columbia, and the Dominion of Canada.

Standardization Activities

Encourages and promotes the adoption of uniform bedding and upholstered furniture laws, rules, regulations, nomenclature, labeling requirements, and enforcement procedures. Develops tests and adopts standard methods of inspection and sampling of bedding and upholstered furniture and the analyses of filling materials. Develops standard methods of determining the efficiency of insecticides, fumigants, sterilizing and disinfecting processes and equipment as applied to bedding, upholstered furniture, and filling materials. Secures uniformity in the statement of analytical results; promotes, conducts, and encourages research in chemistry and allied fields as these relate to analyses of filling materials used in bedding and upholstered furniture.

Availability

Sold directly

Keywords

bedding; upholstered furniture; insecticides; fumigants; sterilization; government officials; consumer products;

ASSOCIATION OF DATA PROCESSING SERVICE ORGANIZATIONS

Julia L. Johnston, Director of Research

1300 North 17th Street
Suite 300
Arlington, Virginia 22209
(703) 522-5055

Telex: 4993994

Founded: 1960

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Active in the standards activities of IEEE and ANSI
Scope	650 member companies performing data processing services for the public. Seeks to improve management methods, develop service possibilities and define standards of performance.
Standardization Activities	Monitors standards which may affect its members, but does not actively participate in standards development. Serves as a clearinghouse for standards on computer networks, software, hardware as it affects software, disks, and diskettes and associated products. Cooperates with Network Users Association, National Bureau of Standards, IEEE, and ANSI.
Keywords	data processing; computer services; information industry; software; microcomputers;

ASSOCIATION OF DRILLED SHAFT CONTRACTORS

Scot Litke, Executive Director

P.O. Box 280379
Dallas, Texas 75228
(214) 681-5994

Founded: 1972

Type of Organization	Trade Association Standards Developer
Scope	Represents 136 foundation drilling contractors and 100 associates (suppliers), most of which are in the United States, some in Canada, Mexico, South America, and Europe. An eighteen member Board of Directors supervises the activities of the Association. Conducts drilled foundation seminars worldwide about the industry and ways to improve operations. Funds research at universities; provides scholarships; publishes technical materials and maintains a library.
Standardization Activities	Cooperates with the American Concrete Institute in updating and developing the official Standards & Specifications for the Drilled Shaft Industry. Works with states in aligning their specifications with that of the ADSC. Working to revise the American Institute of Architects' MasterSpecs. Monitors all phases of the specifications for the industry. Works with governmental agencies at all levels, as well as individual engineering firms.
Availability	Distributed directly
Keywords	drilled shafts; caissons; foundation drilling; construction;

ASSOCIATION OF EDISON ILLUMINATING COMPANIES

Arthur N. Anderson, Secretary

51 East 42nd Street
New York, New York 10017
(212) 697-1336

Founded: 1885

Type of Organization

Trade Association
Standards Developer

Standards Designation

AEIC CS prefix

Scope

A trade association of investor-owned electric utilities in the United States engaged in the distribution of electric service for sale to the general public. Its objective is the advancement of electric service to the public for light, heat, and power.

Standardization Activities

Maintains representation on several ANSI Committees and on other similar technical organizations involved in standardization relating to the electric utility industry. Prepares and publishes specifications for high voltage underground cable design used in the industry.

Availability

Sold directly

Keywords

energy; electric power; electrical equipment;

ASSOCIATION OF ENGINEERING GEOLOGISTS

Noel M. Ravneberg, Executive Director

5313 Williamsburg Road
Brentwood, Tennessee 37027
(615) 377-3579

Founded: 1957

Type of Organization

Professional Society
Standards Developer

Scope

Promotes high ethical and professional standards in the field of geology; members are graduate geologists and geological engineers.

Standardization Activities

Maintains two committees active in standards development. The Building Codes Committee is active on a local level as advisors to county and municipal governments considering code revisions, including code provisions for development of floodplains and tidal marshland. The Committee on Engineering Geology Mapping Symbols develops standard map symbols for use by all states and counties.

Availability

Distributed directly

Keywords

geology; mapping; construction;

ASSOCIATION OF HOME APPLIANCE MANUFACTURERS

Janet Mann, Product Management

20 North Wacker Drive
Chicago, Illinois 60606
(312) 984-5800

Founded: 1967

Standards Staff: 4

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1967
67 members participate in standards activities
25 active standards including metric equivalents
All standards ANSI approved

Standards Designation

ANSI/AHAM and AHAM prefixes

Government Adoption

The General Services Administration has adopted several AHAM standards for procurement purposes.

Certification

Sponsors four certification programs for Room Air Conditioners, Refrigerator-Freezers, Humidifiers, and Dehumidifiers.

Secretariats

IEC SC59A, Electric Dishwashers
IEC SC59H, Microwave Appliances
IEC SC61B, Safety of Household Microwave Ovens

Scope

An international nonprofit association of companies manufacturing major and portable appliances. Functions in five major areas: product standards and certification, government relations, consumer affairs and communications, statistical reports, and international trade. Other functions include industrial relations and market research.

Standardization Activities

Develops voluntary appliance performance standards and makes safety recommendations to Underwriters Laboratories and the American Gas Association. The Engineering Council determines policy and directs product engineering committees to determine contents of standards with special consideration on product safety.

Develops international standards through representation on technical committees of the International Electrotechnical Commission.

Maintains liaison with the Federal Government's National Bureau of Standards, General Services Administration, Food and Drug Administration, Federal Trade Commission, Consumer Product Safety Commission, and Department of Energy.

AHAM standards are national in scope. Their use is promoted through publications and press releases, through certification, and by the American National Standards Institute's recognition.

Availability

Sold directly and through ANSI

Formerly

American Washing Machine Manufacturer's Association (1916-1966)

Keywords

home appliances; safety; consumer products;

ASSOCIATION OF IRON AND STEEL ENGINEERS

Herschel B. Poole, Managing Director

Three Gateway Center
Suite 2350
Pittsburgh, Pennsylvania 15222
(412) 281-6323

Founded: 1907

Type of Organization

Technical Society
Standards Developer

Standards Development

11 standards and technical reports

Scope

Fosters an exchange of ideas toward advancing the iron and steel producing industry in matters related to steel plant engineering, maintenance, and operations including electrical, mechanical, welding, combustion, lubrication, and rolling mills. Engages in standardization, research, and computer applications.

Standardization Activities

Developed standards for the steel industry which include D-C Mill Motor Standards, A-C Mill Motor Standards, Standard for Machined Surface Finishes, Alloy Steel Chain and Alloy Steel Chain Slings for Overhead Lifting, Specification for Electric Overhead Traveling Cranes for Steel Mill Service, Specification for Design of Ladle Hooks, Crane and Mill Auxiliary Drive Motor Cable Size Wiring Standard, Standard for Design of Hot Metal Ladles, Brake Standards for Mill Motors, Specifications for Design and Construction of Mill Buildings, New Steel Pressure-Containing Components for Blast Furnace Installers.

Also sponsors research activities for the purpose of developing data for future standards and for the improvement of steel mill operating practice.

Availability

Distributed directly

Formerly

Association of Iron and Steel Electrical Engineers (1936)

Keywords

electrical equipment; industrial equipment;

ASSOCIATION OF OFFICIAL ANALYTICAL CHEMISTS

David B. MacLean, Executive Director

1111 North 19th Street
Arlington, Virginia 22209
(703) 522-3032

Founded: 1884

Type of Organization

Scientific Society
Standards Developer

Standards Development

More than 1500 standard test methods for food, feed, fertilizer, pesticides, pharmaceuticals, water, and other commodities.

Government Adoption

U.S. FDA, State Departments of Agriculture, Agriculture Department of Canada. Used in official regulatory laboratories in many countries.

Certification

No certification or accreditation programs

Secretariats

U.S. Technical Advisory Group to ISO/TC 34, Agricultural Food Products and ISO/TC 134, Fertilizer.

Scope	Coordinates the work of 800 scientists in government and industry laboratories worldwide to develop, test, study, approve and publish official methods of analysis for food, agricultural commodities, chemicals, and pharmaceuticals. Publishes Official Methods of Analysis and collaborative study data. Conducts an Annual International Meeting and regional meetings.
Standardization Activities	Develops analytic methods used by industry and government laboratories in 50 countries for determining compliance with government regulations, research, and quality control. Scientists participate in the AOAC methods validation process to establish official methods. Recently approved 70 methods involving 730 laboratories in 23 countries.
Availability	Distributed directly
Keywords	laboratory analysis; quality control; food; agriculture; pesticides; fertilizer; feed; pharmaceuticals; analytical chemistry; government officials;

ASSOCIATION OF OFFICIAL SEED ANALYSTS

	Robert Trent, Secretary-Treasurer Idaho State Seed Laboratory 2240 Kellogg Lane Boise, Idaho 83702 (208) 334-2368 Founded: 1908
Type of Organization	Scientific Society Standards Developer
Scope	Officials of federal, state and provincial seed testing and research laboratories. Develops uniform rules for testing field, vegetable, flower and tree seeds, encourages the use of high quality seed, promotes research, and fosters the training of seed analysts.
Standardization Activities	Maintains committees in research, rules, referee, and public service areas to develop standardized methods of seed testing that will permit duplication of results when the same sample is tested by different stations. Quality factors for which tests are made include purity of sample, percentage germination, rate of occurrence of noxious weed seeds, varietal purity, and assaying for fungicidal seed treatment. The Research Committee makes technical information available to the Rules Committee which prepares a new draft revision of the rules every fifth year for approval. The Rules Committee also interprets questionable and disputed points of the Rules for Testing Seeds. The Referee Committee circulates samples among the member stations to determine whether they are testing in accordance with the rules and to identify any weaknesses in the rules. The Public Service Committee encourages association members to publicize the benefits of the association's work and stimulate interest in seed testing. The association works closely with other associations and Government agencies, such as the International Seed Testing Association, United States Department of Agriculture, and the Canada Department of Agriculture, in an effort to coordinate the rules for testing seeds used by each.
Keywords	seed testing; government officials; agriculture;

ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

Foil W. McLaughlin, Executive Vice President

3709 Hillsborough Street
Raleigh, North Carolina 27607
(919) 737-2851

Founded: 1919

**Type of
Organization**

Trade Association
Standards Developer

Certification

The adopted standards are used to establish seed certification regulations by the U.S. Department of Agriculture.

Scope

Establishes and maintains minimum standards and procedures for certifying seed. Membership consists of a representative from each state certifying seed.

**Standardization
Activities**

The Association develops and maintains seed certification minimum standards for genetic purity and identity. These standards and procedures are used by individual state seed certifying agencies in supervising the production and marketing of certified seed and are reviewed annually. Individual state seed certifying agencies may not certify seed for interstate commerce unless the Association's (and USDA) minimum standards are used.

Availability

The Association standards are printed in a Certification Book and may be purchased directly.

Formerly

International Crop Improvement Association (until 1968)

Keywords

seeds; genetics; agriculture;

ASSOCIATION OF PHYSICAL PLANT ADMINISTRATORS OF UNIVERSITIES AND COLLEGES

Paul T. Knapp, CAE, Executive Director

Eleven Dupont Circle
Suite 250
Washington, D.C. 20036
(202) 234-1662

Founded: 1914

**Type of
Organization**

Professional Society
Works through other organizations to develop standards

Scope

Develops professional standards in the administration, care, operation, planning, and development of college and university physical plants.

**Standardization
Activities**

Participates with other organizations such as ASHRAE, NFPA, ANSI, and others in the standards development and review process.

Keywords

physical plant; facilities management; construction; maintenance; education;

ASSOCIATION OF RECORDS MANAGERS AND ADMINISTRATORS

Louis G. Snyder, Executive Director

4200 Somerset Drive
Suite 215
Prairie Village, Kansas 66208
(913) 341-3808

Founded: 1956

Type of Organization

Professional Society
Standards Developer

Standards Development

Guidelines and standards developer since 1981
100 members participate in standards activities
None processed through ANSI
Guidelines available for review
2 guidelines published

Standards Designations

ARMA prefix

Scope

An international organization of professionals involved in records and information management. Represents interests in the management of documentation, preservation, disposal, and the efficient handling of recorded information including records management systems, records retention, vital records, records centers, computerized information, micrographics technology, word processing, and others.

Standardization Activities

Directs activities toward fulfilling user-defined requirements of the profession. A five-person Standards Board represents government, manufacturers, and users, and is responsible for final approval of Guidelines and Standards developed by working committees. These committees cover the following areas: Filing Equipment and Supplies, Filing Systems, Glossary-Records Management Terms, Job Descriptions and Salary, Records Center Operations, Records Retention, Technology Applications and Vital Records.

ARMA Guidelines are published and made available to the membership and the general public. After one year, the Guideline may be revised and republished as a Guideline or upgraded to a Standard.

Availability

Distributed directly

Formerly

American Records Management Association

Keywords

records; files; information processing; office products; records management;

ASSOCIATION OF WALL AND CEILING INDUSTRIES - INTERNATIONAL

Gene Erwin, Technical Director

25 K Street NE.
Washington, D.C. 20002
(202) 783-2924

Founded: 1918

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer - Proprietary and working through technical societies

Standards Development	Standards developer since 1918 900 plus members participate in standards activities
Standards Designations	CPLIA Recommended Specification iaWCC Standard Recommendation, iaWCC/GDCI Guide Specifications, AWCi guide specifications. Also ACI, Gypsum Association, ML/SFA joint Standards, as well as ASTM and ANSI Standards.
Certification	Certification issued for Asbestos Abatement Training Programs. AWCi Inspection Procedure for Spray-Applied Fire Resistive Materials.
Secretariats	ANSI Committee A42 on Lathing, Furring and Plastering
Scope	850 firms engaged in the application of acoustical tile, drywall, partitions, lathing and plastering, fireproofing, and insulation.
Standardization Activities	<p>Concentrates on application/installation standards development but also monitors and participates in materials and test methods specifications development.</p> <p>Technical Subcommittees address standardization of materials, systems and application/installation procedures for asbestos abatement, acoustic systems, carpentry, coatings, demountable partitions, drywall systems, fireproofing, flooring systems, lathing, furring, plastering, texturing, insulation, light gage steel framing systems (load and non-load bearing) roof decks, integrated ceilings systems, open plan systems, door-frame-hardware, and allied fields. Final approval by Association's Board of Directors when recommended by Technical Committee.</p> <p>Through the Technical Department, AWCi participates in the activities of ASTM Committees C1, C7, C11, C12, C16, C24, D1, D14, D20, E5, E6, E33, E34, F16; and the following NIBS committees: Metrics, Building Thermal Envelope Coordinating Committee, Terminology and Definitions, Seismic, Building Rehabilitation and Preservation.</p>
Availability	Sold directly
Formerly	<p>Contracting Plasterers International Association (1956)</p> <p>Contracting Plasterers and Lathers International Association (1970)</p> <p>International Association of Wall and Ceiling Contractors (1976)</p> <p>Merger of International Association of Wall and Ceiling Contractors (1976) and Gypsum Drywall Contractors International (1979)</p>
Keywords	walls; ceiling; drywall; plaster; acoustic; asbestos; building;

AUTOMOTIVE REFRIGERATION PRODUCTS INSTITUTE

Timothy B. Tierney, Executive Director

5100 Forbes Boulevard
Lanham, Maryland 20706
(301) 731-5195

Founded: 1983

Type of Organization	Trade Association Standards Developer
Standards Development	Founded September, 1983 to develop Performance standards for the Automotive Refrigeration Industry.

Scope Members are manufacturers and suppliers of automotive refrigerant, also container manufacturers, packagers and distributors, and those manufacturers of parts and tools necessary to assemble automotive refrigeration products.

Keywords automotive refrigeration; air-conditioning;

BAKING INDUSTRY SANITATION STANDARDS COMMITTEE

Margie Mannino, Executive Secretary

60 East 42nd Street
Suite 858
New York, New York 10017
(212) 687-9071

Founded: 1949

Type of Organization Technical Society
Standards Developer

Standards Development 35 active standards

Certification Upon application, equipment is certified in accordance with the procedure set forth by the Certification Board. Standards are used by manufacturers and enforcement agencies.

Scope A nonprofit organization dedicated to achieving sanitation in the baking industry. It is supported by trade associations representing manufacturers of baking machinery for wholesale and retail uses, and interested professional sanitarian and engineering organizations. Writing and publication of standards and certification of equipment promoting the sanitary design, construction, and installation of food-processing equipment are the only purposes and functions of this committee.

Standardization Activities Develops standards for baking equipment and is the recognized sanitation standards organization for the baking industry. Government and industry representatives work together in preparing and editing these standards. Task committees are appointed for each specific standard or revision. Final task committee proposals are acted on by the general committee and the BISSC Board of Directors.

Availability Distributed directly

Keywords baking equipment; machinery; sanitation;

BARLEY AND MALT INSTITUTE

Rosie Seward, Executive Director

P.O. Box 08432
Milwaukee, Wisconsin 53208
(414) 445-9330

Founded: 1946

Type of Organization Trade Association
Standards Developer

Scope A not-for-profit association of manufacturers of dried malt. Provides membership with industry statistics, information on tariffs, freight matters, environment, labor, barley, and other related topics.

Standardization Activities Developed specifications for the covered hopper car which is used as a freight car by a variety of industries.

Keywords barley; malt; brewing; distilling; agriculture;

BARRE GRANITE ASSOCIATION

Milton V. Lyndes, Executive Vice President

51 Church Street
Barre, Vermont 05641
(802) 476-4131

Founded: 1889

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development Standards development since 1939

Scope Represents granite quarries and manufacturers in the Barre, Vermont area. Promotes quality workmanship in the industry.

Standardization Activities Sets quality standards for granite memorials produced under the trade name "Barre Guild". Issues the Barre Guild Perpetual Warranty on monuments that meet these quality standards. Similar action for "Certified Memorials of Vermont". Created the first set of quality standards covering the physical properties of granite and quality standards of workmanship on granite monuments. Nearly 50,000 individual inspections made annually.

Keywords granite; monuments; memorials; materials;

BATTERY COUNCIL INTERNATIONAL

William W. Carpenter, Executive Secretary

111 East Wacker Drive
Chicago, Illinois 60601
(312) 644-6610

Founded: 1924

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Work with SAE, and International Electrotechnical Commission

Scope Manufacturers, suppliers of materials, and national distributors of lead-acid storage batteries.

Standardization Activities Through committees, battery standards and specifications are recommended for use by the industry. The Air and Water Standards, Industrial Health, and Technical Committees work with government organizations to help set standards and regulations. Publishes a Battery Replacement Data Book. Revised yearly, this book outlines the types of battery sizes and specifications used in automobiles, both foreign and domestic.

Formerly The National Battery Manufacturers Association (1940)
The Association of American Battery Manufacturers (1970)

Keywords lead-acid; battery; electrical equipment;

BICYCLE MANUFACTURERS ASSOCIATION OF AMERICA

William C. Wilkinson, Director of Programs

1101 15th Street NW.
Suite 304
Washington, D.C. 20005
(202) 452-1166

Founded: 1916

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1969

Certification

Provides a certification program which includes regular and random inspection of bicycle manufacturers by an independent testing laboratory.

Scope

A voluntary, private, nonprofit organization. Member companies produce 85 percent of all domestically manufactured bicycles. Represents the industry in matters of trade and tariff; gathers and disseminates statistical information; and conducts programs of internal communication and public relations. Administers a bicycle safety education program which provides publication and distribution of 10 million pieces of free literature each year, and cooperates in safety education programs with the National Safety Council, Boy and Girl Scouts, police, civic and service organizations, individual schools, and state departments of education.

Standardization Activities

Maintains a Safety and Standards Committee which developed a broad standard, BMA/6, for the manufacture and assembly of bicycles and their various subassemblies, designed to protect the consumer from possible injury and property damage. Works with the Consumer Product Safety Commission in the development of Federal standards for bicycle manufacture.

Availability

Distributed directly

Keywords

bicycle; safety; recreation;

BILLIARD CONGRESS OF AMERICA

Robert E. Froeschle, Managing Director

14 South Linn Street
Iowa City, Iowa 52240
(319) 351-2112

Founded: 1948

Type of Organization

Standards Developer

Scope

Organization of players, retailers, proprietors, manufacturers, distributors, and importers of billiards. Serves as a national clearinghouse for billiard activities; makes rules and interpretations.

Standardization Activities

Prepares standards for equipment and rules for billiard and pool games, as well as tournament play. Maintains a Specifications Committee and Rules Committee to coordinate these activities. Publishes the Official Rule Book for all Pocket and Carom Billiard Games.

Availability Distributed directly

Formerly National Billiard Council (1963)

Keywords billiards; recreation;

BIOLOGICAL STAIN COMMISSION

Elmer H. Stotz, Treasurer

Department of Biochemistry, Box 607
The University of Rochester Medical Center
Rochester, New York 14642
(716) 275-2751

Founded: 1922

Type of Organization Scientific Society
Standards Developer

Standards Development 59 standards

Certification The commission maintains a program of stain certification. Manufacturers and distributors voluntarily submit samples for examination. If the sample meets the commission's specifications, it is approved for marketing as a Certified Biological Stain, and the commission issues certification labels to be affixed to bottles in which it is sold. Certification is on a batch basis, the labels issued by the commission bearing distinctive certification numbers identifying the specific batches with which they are to be used. A sample of each batch is kept on permanent file, and the commission investigates complaints of any unsatisfactory results obtained with a certified stain.

Scope A nonprofit organization of professional scientists in biology, medicine, and related fields devoted to the establishment of standards for biological stains.

Standardization Activities Establishes standard specifications for the identification, purity, performance, and labeling of the more important biological stains, in order that they may be relied upon as standard tools in biological and medical research. National in scope, the commission has the cooperation of scientific societies whose interests lie in this field, as well as the interest and cooperation of manufacturers and distributors of biological stains.

The Commission's standards are included in the appendix of Conn's Biological Stains.

Formerly Commission on Standardization of Biological Stains (1944)

Keywords biological stains; testing; medical instruments;

BLUE ANCHOR

Douglas P. Barker, President

P.O. Box 15498
Sacramento, California 95813
(916) 929-3050 Telex: 37-7429

Founded: 1901

Type of Organization Agricultural Cooperative
Standards Developer since 1930

Scope A fresh fruit marketing cooperative handling the fruit of 1,000 growers organized into local associations and contract shippers. All fruit is subject to the standardization program.

Standardization Activities Issues standards on all deciduous tree fruit and table grape commodities. Updates the Rules and Regulations for each annual season. The standardization policy is set by a Standardization Committee and enforced by authorized agents of the Field Department. Standards required for company members only. Works with various Federal and state marketing orders covering pears, plums, peaches, nectarines, and grapes.

Formerly California Fruit Exchange

Keywords food; fruit marketing; agriculture;

BOOK MANUFACTURERS INSTITUTE

Douglas E. Horner, Executive Vice President

111 Prospect Street, Suite 405
Stanford, Connecticut 06901
(203) 324-9670

Founded: 1933

Type of Organization Trade Association
Standards Developer

Government Adoption Quality standard adopted by most states

Secretariats Advisory Commission on Textbook Specifications (ACTS)

Scope A trade association for book manufacturers and suppliers of book materials and book manufacturing equipment.

Standardization Activities Together with the Association of American Publishers and the National Association of State Textbook Administrators, provides delegates to the Advisory Commission on Textbook Specification (ACTS) which meets twice each year. ACTS has developed a set of manufacturing standards and specifications which must be met before the purchase of a particular textbook will be considered by most state adoption agencies. This booklet, titled Manufacturing Standards and Specifications for Textbooks (MSST), contains quality standards and specifications for paper, printing, and binding, and provides sample forms which should be used by both the state agencies and the publishers of textbooks. The MSST covers only elementary and high school textbooks.

Availability Distributed directly

Formerly Employing Bookbinders of America (1933)

Keywords book manufacturing; textbooks; education;

BRASS AND BRONZE INGOT INSTITUTE

Helen Fauber, Assistant Secretary

33 North LaSalle Street, Room 3500
Chicago, Illinois 60602
(312) 236-2715 Telex: 280041

Founded: 1928

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ASTM, SAE, foundry societies, and others

Scope Manufacturers of ingot brass and bronze for the foundry industry.

Standardization Activities Cooperates with the American Foundrymen's Society, the Non-Ferrous Founders' Society, and affiliated and similar organizations in developing methodology and standards for the production of copper base alloy castings. Participates with ASTM, SAE, Copper Development Association, and military and Federal specifications bodies and others in the development of standards and specifications covering ingot brass and bronze. Involved in development of standard reference materials for NBS and has sponsored and directed basic research relating to copper based alloys. Maintains an Environment, Safety, and Technical Advisory Committee to consider related subject matter.

Formerly Non-Ferrous Ingot Metals Institute

Keywords brass; bronze; casting alloys; materials;

BRICK INSTITUTE OF AMERICA

Alan H. Yorkdale, Vice President of Engineering & Research
 1750 Old Meadow Road
 McLean, Virginia 22101
 (703) 893-4010

Founded: 1934

Type of Organization Trade Association
 Standards Developer

Scope National association of brick manufacturers and the national authority on brick construction. Promotes the further and proper use of brick.

Standardization Activities Standards development, review, writing, and promulgation are the responsibilities of the Engineering and Research Division. Maintains an exchange and liaison with similar organizations in other countries. Also maintains close liaison with Government agencies writing standards in the construction industry field, National Bureau of Standards, Housing and Urban Development, Department of Defense, Department of Labor, and the Department of Commerce. Works with other standards-writing organizations in the development of standards involving or related to Brick Masonry as follows: American Society for Testing and Materials - E-5, Fire Tests; E-6, Evaluation of Construction; C-7, Lime; C-12, Mortar for Unit Masonry; C-15 Manufactured Masonry Units; and C-32 on Laboratory Evaluation and Accreditation; American National Standards Institute - A10, Safety Requirements for Construction and Demolition; A41, Building Code Requirements and Good Practice Recommendations for Masonry; A58, Design Loads for Buildings and Other Structures; and A62, Pre-Coordination of Building Components and Systems; International Masonry Industry All-Weather Council - Recommended Practice for Cold Weather Masonry Construction, and Guide Specifications for Cold Weather Masonry Construction.

Engaged in research for the development of new standards including Building Code Requirements for Engineered Hollow Brick Masonry; A Design Standard for Composite (Brick and Block) Masonry, in cooperation with the National Concrete Masonry Association and the American Concrete Institute; and Seismic Design Procedures for Masonry, in cooperation with the National Bureau of Standards, other Federal agencies, and other masonry associations.

Publishes and distributes its own standards and works with cooperating organizations to publish and distribute cooperative standards. Works closely with the model building code groups and state and local building codes toward the adoption of these standards into building codes and regulations.

Availability Distributed directly

Formerly Structural Clay Products Institute

Keywords masonry, brick; construction; building;

BUILDERS HARDWARE MANUFACTURERS ASSOCIATION

J. Dudley Waldner, Executive Director

c/o Trade Group Associates, Managers
60 East 42nd Street
New York, New York 10165
(212) 682-8142

Founded: 1925 Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1966
70 members active in standards development
20 active standards
17 processed through ANSI, 3 pending

Standards Designation ANSI/BHMA prefix

Government Adoption The Department of Defense has adopted all BHMA sponsored ANSI standards and BHMA 1301 for Materials and Finishes.

Certification Sponsors two certification programs; one for locks and one for cabinet hardware. ETL Testing laboratories is administrator and testing agency. Three additional programs under preparation.

Scope A national trade association representing manufacturers of builders hardware. Provides programs for its members in the areas of industrial relations, management, and statistical programs.

Standardization Activities Works with ANSI to develop standards for door and cabinet hardware and exit locks. Participates on NFPA and ASTM Committees.

Availability Distributed directly and through ANSI and Door and Hardware Institute

Formerly Hardware Manufacturers Statistical Association (1925-1961)

Keywords hardware; buildings;

BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL

Clarence R. Bechtel, Executive Director

17926 South Halsted Street
Homewood, Illinois 60430
(312) 799-2300

Founded: 1915 Standards Staff: 36

Type of Organization Professional Society
Standards Developer

Standards Development	Promulgates the BOCA Basic Code Series of model codes for reference adoption by municipal and state governments.
Standards Designation	BOCA Basic Building Code; BOCA Basic Mechanical Code; BOCA Basic Plumbing Code; BOCA Basic Fire Prevention Code; BOCA Basic Property Maintenance Code; BOCA Basic Energy Conservation Code
Government Adoption	Codes are adopted by 14 states and 3000 local governments, predominantly in East and Midwest portions of the U.S.
Certification	Maintains a voluntary education and certification program for construction officials.
Secretariats	Council of American Building Officials (CABO) and Board for the Coordination of the Model Codes (BCMC).
Scope	<p>A nonprofit municipal service membership organization involved in the field of code administration and enforcement, and community development. Goals are to serve the public by advocating the use of safe, suitable, modern construction techniques and materials, through its model codes program; and to serve jurisdictions and their code administrators by providing technological know-how and services related to all specialty areas of code administration and enforcement, in addition to a complete model codes maintenance program.</p> <p>Membership services include code interpretations, materials and product evaluation reports, plan review, education programs and documents, and administrative reviews.</p>
Standardization Activities	Activities carried on by the technical and professional staff under the direction of its Executive Director, appointed by the Executive Committee. BOCA codes state performance requirements for materials under given conditions, and establish evaluation criteria resulting in reduced construction costs and allowing ingenuity on the part of the designer.
Availability	Distributed directly
Formerly	Building Officials Conference of America (1970)
Keywords	safety; building; codes; plumbing code; mechanical code; fire code; maintenance code; energy conservation; construction; government officials;

BUILDING OWNERS AND MANAGERS ASSOCIATION INTERNATIONAL

John C. Biechman, Government Affairs Manager

1221 Massachusetts Avenue NW.
Washington, D.C. 20005
(202) 638-2929

Founded: 1908

Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1915

Secretariats ANSI A120-Safety Standards for Power Operated Platforms and Equipment Used for Exterior & Interior Building Maintenance
ANSI Z65.1 Method for Measuring Floor Space in Office Buildings

CADMIUM COUNCIL

Werner T. Meyer, President

292 Madison Avenue
New York, New York 10017
(212) 578-4750

Telex: 148320

Founded: 1980

Standards Staff: 6

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

10 members active in standard activities
25 members on standards committees of ASTM, ANSI, ASME, CSI and others

Scope

The cadmium industry's market development and informational organization in North America, promoting increased usage of cadmium metal and chemicals through technology transfer, technical services, and publicity programs. Maintains an awareness of studies on the environmental effects of cadmium and of the regulations affecting the manufacture, use, and disposal of cadmium-containing products. A nonprofit trade association supported by producers and consumers of cadmium both in North America and throughout the world.

Standardization Activities

Promotes the increased use of cadmium metal and chemicals and maximizes the effectiveness of its members on national standards committees. Assists the work of standards developing bodies within its area of interest by designating Council members to coordinate with the appropriate code bodies.

Participates in developing standards including specifications for cadmium electroplating for corrosion and wear properties, color pigments, nickel-cadmium, and other cadmium-containing batteries, cadmium chemical stabilizers in plastics, and for a wide variety of soldering and brazing alloys.

Keywords

cadmium electroplating; corrosion protection; wear resistance; pigments; chemicals; materials;

CAN MANUFACTURERS INSTITUTE

Maureen E. Jones, Director, Finance and Statistics

1625 Massachusetts Avenue NW.
Washington, D.C. 20036
(202) 232-4677

Founded: 1939

Type of Organization

Technical Society
Standards Developer

Scope

A nonprofit membership corporation representing U.S. manufacturers of all metal cans. The membership is concerned with government specifications for cans and legislation affecting cans and can standards.

Standardization Activities

Maintains Can Standards Committee which develops standards on sanitary cans for sizes in general demand. Creates ad hoc subcommittees as necessary to study and/or recommend specific standards for full committee action. Maintains contact with the National Bureau of Standards and the International Organization for Standardization in the formation of standards.

Publishes Recommended CMI Voluntary Industry Can Standards. Recommended standards are strictly voluntary, but conforming is encouraged as being beneficial to can manufacturers and can users.

Availability Distributed directly

Keywords can manufacture; packaging;

CARPET AND RUG INSTITUTE

Barry Torrence, Director of Technical Services

Box 2048
Dalton, Georgia 30720
(404) 226-3877

Founded: 1963 Standards Staff: 2

Type of Organization Trade Association
Works through other organizations to develop standards

Representation AATCC, ASTM, NFPA and other standard development organizations

Scope A national trade association of 59 carpet and rug manufacturers and 125 companies supplying services and products to the industry. Works on a national and international level to promote its products and provide satisfaction with these products.

Standardization Activities Standards activities are based on the development of tests which which can be used by industry and interested parties to test various components or characteristics of carpets and rugs.

Formerly American Carpet Institute
Tufted Textile Manufacturers Association

Keywords carpet; rugs; consumer products;

CAST IRON SOIL PIPE INSTITUTE

Edward M. Bailey, Executive Vice President

1499 Chain Bridge Road
Suite 203
McLean, Virginia 22101
(703) 827-9177

Founded: 1949

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1949
Technical Committee develops Standards pending approval of the Institute's Board of Directors; ASTM A74-82, endorsed by CISPI

Standards Designation CISPI prefix

Government Adoption HUD, WW-P-401E; PBS (PCD) 15410; DOD 4270.21; CEGS 15400; CE 300.01; CE 300.02; CE 600.01; NAVFAC TS-15301; and NAVFAC TS-15401

Certification No certification, qualification, or accreditation programs

Scope Aids the U.S. plumbing industry in cooperation with the soil pipe manufacturers. Efforts include product improvement, standardization of soil pipe and fittings, and testing, evaluation, and development in the interest of public health and safety.

Standardization Activities Develops standards for cast iron soil pipe and fittings which are accepted throughout the United States. The American Society for Testing and Materials (ASTM) A74-82 covers hub and spigot cast iron soil pipe and fittings for extra heavy (XH) and service weight (SV) as in CISPI's HS-78. Hubless cast iron systems are covered by CISPI Standards 301-82 and 310-82. Compression gas-kets are covered by CISPI Standard HSN-78. These standards set dimensions and specifications which provide interchangeability between all manufacturer's pipes and fittings. The CISPI Standards are national in scope. The Technical Committee administers CISPI's Standardization Activities.

The Institute's Technical Committee meets four times a year to review standards, engage in research and development activities and update CISPI publications.

Availability Through plumbing wholesalers and distributors

Keywords cast iron; plumbing; sanitation; construction; building,

CASTER AND FLOOR TRUCK MANUFACTURERS ASSOCIATION

Thomas D. Dolan, Executive Secretary

800 Custer Avenue
Evanston, Illinois 60202
(312) 864-8444

Founded: 1933

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1950
Forty members participate in standards activities
Industrial Caster Standard MH11.1 processed through ANSI

Standards Designation CFTMA Guides

Scope A national trade association representing manufacturers of industrial casters and wheels and manually-operated industrial floor trucks. Maintains liaison with the Defense Supply Agency, DISC, Department of the Army, and GSA.

Standardization Activities Publishes "Guide to Understanding and Specifying Industrial Casters and Wheels" which includes standard information on casters and wheels.

Availability Sold directly

Keywords casters; floor trucks; industrial equipment;

CEILINGS AND INTERIOR SYSTEMS CONTRACTORS ASSOCIATION

Carl A. Wangman, Executive Vice President

1800 Pickwick Avenue
Glenview, Illinois 60025
(312) 724-7700

Founded: 1949

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	ASTM
Scope	An international organization serving the needs of specialty subcontractors who sell and install ceiling systems, as well as other related products and systems. Provides programs for exchanging information about the industry and its trends, and develops working alliances with other organizations within the construction contracting industry to deal with common problems.
Standardization Activities	Participated in the development of the American Society for Testing and Materials (ASTM) Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings (ASTM C635-59), and Standard Recommended Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels (ASTM C636-69). Also active in the development of Recommended Standards for Seismic Restraint of Direct-Hung Suspended Ceiling Assemblies.
Formerly	National Acoustical Contractors Association (1969)
Keywords	acoustical tile; ceilings; buildings;

CELLULOSE INDUSTRY STANDARDS ENFORCEMENT PROGRAM

Denton R. Hudgeons, Program Coordinator

P.O. Box 1288
300 Arcade Square
Dayton, Ohio 45402
(513) 223-1891

Telex: 80-4294

Founded: 1982

Type of Organization	Certification Program Works through other organizations to develop standards
Representation	10 participating manufacturers active in ASTM
Certification	Cellulose insulation quality control according to ASTM standards, and CPSC, FTC, and GSA regulations.
Scope	Nationwide participants actively engaged in the production of cellulose insulation of high quality.
Standardization Activities	Standardization activities are directed toward the production of high quality cellulose thermal insulation in compliance with ASTM standards, and regulations by CPSC, FTC, and GSA, and the Code of Regulations developed by CISEP. The participants operate under self-enforcement of high quality standards.
Keywords	insulation; cellulose; thermal insulation; buildings; materials;

CEMENTED CARBIDE PRODUCERS ASSOCIATION

Allen P. Wherry, Commissioner

712 Lakewood Center North
Cleveland, Ohio 44107
(216) 226-7700

Telex: 98-5559

Founded: 1955

Standards Staff: 3

Type of Organization

Trade Association
Standards Developer

Standards Development

30 active standards

Standards Designations

ANSI B94.x

Secretariats

Promulgates its documents through ASME B94. Has recently petitioned ANSI for Accredited Standards Committee for cemented carbide.

Scope

Manufacturers of cemented tungsten carbide cutting tools, dies, and wear parts.

Standardization Activities

Actively engaged in standardization activities through ANSI Committee B94, TC-1; develops standards dealing with the dimensional, physical, metallurgical, and chemical aspects of cemented carbide products; cooperates with ISO, ASTM, NBS, and others in standards development; standards include turning tools, wire, bar and tube drawing dies; and sampling and testing methods for hard metals.

Availability

Distributed directly

Keywords

carbide; materials, manufacturing;

CERTIFIED BALLAST MANUFACTURERS

M. R. Davies, Secretary

2120 Keith Building
Cleveland, Ohio 44115
(216) 241-0711

Founded: 1939

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

ANSI, UL

Certification

Certification program for ballasts operating standard fluorescent lamps. Open to any manufacturer who wishes to qualify. To be certified CBM, ballasts must meet performance requirements of ANSI specifications C82.1, including the electrical requirements specified in the C78 standard for the lamp type to be operated. Ballasts must also be UL listed and high Power Factor. Compliance is repeatedly verified by ETL Testing Laboratories, an independent testing organization, which periodically selects samples at random from manufacturers' current CBM production and tests them, as prescribed in ANSI C82.2 and C82.3.

Scope

Major producers of ballasts for fluorescent lamps. Promotes fluorescent lighting by encouraging the manufacture of ballasts which provide quality performance.

Standardization Activities Works through ANSI to develop standards for fluorescent lamp ballasts.

Formerly Ballast Advisory Committee (1949)

Keywords fluorescent lighting; ballasts, electrical equipment;

CHAIN LINK FENCE MANUFACTURERS INSTITUTE

Mark Levin, CAC, Executive Vice President

1101 Connecticut Avenue NW., Suite 700
Washington, D.C. 20036
(202) 857-1140

Founded: 1960

Type of Organization Trade Association
Standards Developer

Scope Provides a forum to exchange ideas; promotes the use of chain link fence; collects statistics and works with consumers to develop standards and specifications for fence products.

Standardization Activities Coordinates the entire fence specification field with the American Society for Testing and Materials. Works toward setting universal standards for fence specification. Develops voluntary consensus standards. Promotes the usage of ASTM standards throughout the industry. Publishes a Product Manual which includes ASTM standards.

Availability Distributed directly

Keywords fence; construction;

CHAIN SAW MANUFACTURERS ASSOCIATION

In process of changing name to:

PORTABLE POWER EQUIPMENT MANUFACTURERS ASSOCIATION

Robert Robins, P.E., Technical Director

4720 Montgomery Lane, Suite 514
Bethesda, Maryland 20814
(301) 652-0774

Founded: 1977

Type of Organization Trade Association
Works through other organizations to develop standards

Certification No certification, qualification, or accreditation programs

Secretariats ANSI B175 Committee
U.S. TAG for ISO/TC 23/SC 17

Scope A nonprofit industry organization representing manufacturers of gasoline and electrically powered chain saws and their component parts.

Standardization Activities CSMA standardization programs are confined to participation in the development of standards under the auspices of national and international voluntary standards setting organizations, and in cooperation with federal and state government agencies. These programs include not only those sponsored or initiated by CSMA and its members but also those recommended by Government agencies. Participated in the development of ANSI B175.1 Safety

Requirements for Gasoline Powered Chain Saws, 1979; and B175.1a, Supplement to Safety Requirements for Gasoline Powered Chain Saws, 1983.

Keywords chain saws; saws; industrial equipment;

CHEMICAL FABRICS AND FILM ASSOCIATION

Charles M. Stockinger, Executive Secretary

1230 Keith Building
Cleveland, Ohio 44115
(216) 241-7333

Telex: 980393 - Thomas Assoc.

Founded: 1927

Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development 12 member companies participating in standards activities
Draft standards available for review by non-members
None processed through ANSI

Scope A voluntary, nonprofit trade association which includes among its members 12 North American manufacturers of chemically coated fabrics and PVC sheet and film. Represents its membership in technical, environmental, and governmental affairs of interest to the industry. One of its objectives is to inform and educate the consuming public regarding the uses and merits of chemical fabrics and film; interested in encouraging high standards of quality and service throughout the industry.

Standardization Activities Directed toward the setting of voluntary performance and quality standards for various product lines. Solicits input for all interested parties. Works closely with the American Society for Testing and Materials. Committees review and make recommendations on government standards, specifications, and documents; and participate in standards programs with the National Bureau of Standards, Underwriters Laboratories, and other standard setting organizations related to the industry.

Standards are voluntarily adopted by manufacturers and users and applied to various product lines when performance, reliability, and safety are essential.

Availability Distributed directly

Formerly Institute of Leather Cloth and Lacquered Fabric Manufacturers (1932)
Pyroxylin and Resin Coaters Institute (1943)
Plastic Coatings and Film Association (1948)
Vinyl Fabrics Institute (1955)

Keywords coated fabrics; sheet and film; upholstery; vinyl; wallcovering; materials;

CHEMICAL MANUFACTURERS ASSOCIATION

Geraldine V. Cox, Vice President

2501 M Street NW.
Washington, D.C. 20037
(202) 887-1190

Telex: 89617 CMA WSH

Founded: 1872

Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development	Two active standards Processed through ANSI
Standards Designation	ANSI Z129.1 and B96.1
Government Adoption	Minnesota (Z129.1)
Secretariats	American National Standards Committee B96, Welded Aluminum-Alloy Storage Tanks
Scope	A nonprofit trade association whose company members represent more than 90% of the productive capacity of basic industrial chemicals within this country.
Standardization Activities	<p>As a standards developer using the canvass method, sponsors American National Standard Z129.1, Precautionary Labeling of Hazardous Chemicals. As a standards developer using the committee method, sponsors American National Standards Committee B96, Welded Aluminum-Alloy Storage Tanks.</p> <p>Provides 67 members to serve as its representatives on national standards committees, boards, and councils dealing with standards for plant equipment, packaging equipment, transportation equipment, and occupational safety and health. Standards organizations involved include ANSI, AAR, ASME, NFPA and SSCI.</p> <p>Participates heavily in standards development proposed by other organizations for adoption as American National Standards by the canvass route. Standards organizations involved include API, CEMA, IEEE, ISA, MSSVFI, NEMA, SPI and UL. Also participates in ASTM committees dealing with occupational health and safety, waste disposal, spills, and analysis of industrial chemicals.</p>
Availability	Distributed through ANSI
Formerly	Manufacturing Chemists Association (1979)
Keywords	labeling; hazardous chemicals; storage tanks; materials;

CHEMICAL SPECIALTIES MANUFACTURERS ASSOCIATION

Douglas Fratz, Associate Director, Scientific Affairs

1001 Connecticut Avenue NW., Suite 1120
Washington, D.C. 20036
(202) 872-8110

Founded: 1914

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Designation

CSMA prefix or CSMA Bulletin No.

Government Adoption

CSMA product performance evaluation methods have been used for government procurement purposes by GSA.

Scope

Four hundred companies involved in manufacturing, formulating, packaging, and marketing chemical specialties products, including home, lawn, garden, transportation, institutional, and industrial products. Works in various areas, including Federal and State governmental affairs (both legislative and regulatory), communications, public relations, marketing, legal affairs, and scientific and technical affairs.

Standardization Activities Develops standard product characterization methods, product performance evaluation test methods, and recommended practices for manufacturers and formulators of chemical specialties products through numerous scientific and technical committees in CSMA's six divisions: (1) Aerosol; (2) Automotive Chemicals; (3) Detergents and Cleaning Compounds; (4) Disinfectants and Sanitizers; (5) Pesticides; and (6) Waxes, Polishes, and Floor Finishes.

Has numerous representatives on committees of voluntary consensus organizations such as ANSI, ASTM, NFPA, ANMC and AOAC. Standards originated and promoted by CSMA are now ASTM, AOAC, SAE, or other standards as well. Maintains active liaison with international standards organizations such as ISO and OIML.

Published manuals and compendiums including: Aerosol Guide; Detergents and Cleaning Compounds Test Methods Compendium; Microbiological Test Methods Compendium; Waxes, and Polishes and Floor Finishes Test Methods and General Information.

Availability Distributed directly

Formerly National Association of Insecticide and Disinfectant Manufacturers (NAIDM)

Keywords chemical specialties; household chemicals; aerosols; automotive chemicals; disinfectants; sanitizers; detergents; cleaners; pesticides; insecticides; waxes; polishes; floor finishes; materials; consumer products;

CHLORINE INSTITUTE

Robert L. Mitchell, President

342 Madison Avenue
New York, New York 10173
(212) 682-4324

Founded: 1924

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Standards committees of ANSI, ASTM, AWWA, NFPA, and committees of the Association of American Railroads

Scope Concerned with the safe manufacture, transportation, and use of chlorine and caustic soda in the U.S. and Canada. Committees provide comments on draft standards pertinent to the industry.

Standardization Activities Has adopted standards for valves and related appurtenances on chlorine transport containers. Publishes pamphlets which contain recommended practices for chlorine operations.

Keywords chlorine; caustic soda; chemicals; safety; materials;

CLEANING EQUIPMENT MANUFACTURERS ASSOCIATION

Gretchen B. Dian, Executive Director

6043 Hudson Road, Suite 135
St. Paul, Minnesota 55125
(612) 731-1051

Founded: 1980

Type of Organization Trade Association
Standards Developer

Standards Development	Standards developer since 1981 50 members participate in standards activities 12 members are represented on the standards committee No standards published Draft standards available for review
Standards Designations	CEMA Standards for Cleaning Machines
Scope	An international trade association of manufacturers which make commercial-industrial cleaning machines including cold water high pressure cleaners and blasters, hot water high pressure cleaners, steam cleaners, and water jetting equipment.
Standardization Activities	Activities directed toward the development of nationally recognized Equipment Safety Standards intended to provide a basis for common understanding and reference within the cleaning equipment industry among suppliers, manufacturers, distributors, dealers, resellers or installers, and owner-users; and serve as reference guides for government agencies, and industry when making purchasing decisions. Anticipates standards adoption as national consensus standards through ANSI. Circulates draft standards among its membership and also Underwriters Laboratories.
Availability	Distributed directly
Keywords	cleaning machines; water blasters; industrial equipment; steam cleaners;

COATED ABRASIVES MANUFACTURERS INSTITUTE

	Charles M. Stockinger, Managing Director 1230 Keith Building Cleveland, Ohio 44115 (216) 241-7333 Founded: 1933	Telex: 980-393 Standards Staff: 2
Type of Organization	Trade Association Standards Developer	
Standards Development	10 member companies participate in standards activities Standards processed through ANSI Draft standards available for review	
Secretariats	CAMI Technical Committee serves as Technical Committee on Coated Abrasives of the B74 Committee. CAMI Safety and Industrial Health Committee serves as the Technical Committee B7 of the B74 Committee.	
Scope	A voluntary, nonprofit association of manufacturing companies which coat and manufacture various types and forms of coated abrasive products in the United States.	
Standardization Activities	Develops standards for grading of certain abrasive grain on coated abrasive products. These specifications include grading requirements for screen grit size and sedimentation grit sizes of aluminum oxide, silicon carbide, garnet, emery, and flint abrasive grains for use on coated abrasive products; procedures for recovery of abrasive grains from products to be tested; and procedures for testing recovered abrasive grains to determine if they conform to grading requirements. Definitions of the trade terms used and methods for identifying products which conform to this standard are included.	

Also develops standards which establish the minimum safety requirements related to the usage of coated abrasive forms. Requirements apply to hand-held and fixed-mounted machine operations that use some form of coated abrasive product, and to safety-related maintenance precautions for machines and machine parts. Also contain safety requirements pertinent to operator and bystander protection, dust collection, and potentially hazardous environmental conditions.

Availability Distributed directly and through ANSI

Keywords abrasives; manufacturing; safety; industrial equipment;

COLLEGE OF AMERICAN PATHOLOGISTS

Howard E. Cartwright, Executive Director

7400 North Skokie Boulevard
Skokie, Illinois 60077
(312) 677-3500

Founded: 1947

Type of Organization Professional Society
Standards Developer

Certification Activities include a national proficiency surveys program with 10,000 participating laboratories; Laboratory Accreditation Program for medical laboratories; and batch certification of cyanmethemoglobin standards as commissioned by the National Research Council.

Scope Physicians practicing the specialty of pathology. Fosters improvement of education, research, and medical laboratory services to physicians, hospitals, and the public.

Standardization Activities Maintains Standards Committee which coordinates development of scientific standards for pathology practice, and maintains liaison with other appropriate professional organizations. Encourages identification of problems in standards development, coordinates their solutions, and identifies and coordinates the evaluation of new technologies.

Collaborates with the International Commission for Standardization in Hematology in the fields of cyanmethemoglobin standards, and with the commission on World Standards of the World Association of Pathology Societies. Collaborates with the National Bureau of Standards, Food and Drug Administration, the Center for Disease Control.

Availability Sold directly

Keywords pathology; medicine; laboratories; health care;

COLOR ASSOCIATION OF THE UNITED STATES

Marielle Bancou, Executive Director

24 East 38th Street
New York, New York 10016
(212) 683-9531

Cable: Standacol

Founded: 1915

Standards Staff: 1

Type of Organization Trade Association
Standards Developer

Government Adoption	DoD Color Card
Certification	No certification, qualification, or accreditation programs
Scope	Membership comes from the textile and fashion industries, and the interior design and environmental fields. Issues seasonal color forecasts of dyed fabrics for women's and men's apparel twice a year. Issues a yearly forecast of interior colors for the interior and environmental fields; these forecasts are applicable to companies producing dyestuffs, paints, automobiles, airplanes, home furnishings, textiles, plastics, cosmetics, and other products. Standardizes government and industry colors; offers consultations; maintains archives and fabric swatch library.
Standardization Activities	<p>Produces a Standard Color Card of America for the purpose of simplifying color work by establishing color standards favored for use in the United States. The card presents a comprehensive palette of preferred American colors and is primarily directed to the textile, fashion, and environmental industries.</p> <p>The Standard Color Reference is supplemented by a special U.S. Army Color Card showing, in silk ribbon form, the key shades of the U.S. Armed Forces, which are approved and accepted by the Quartermaster General. Standard cards developed in association with the Department of Defense are for thread, buttons, tapes, and embroidery yarns. Issued its first Standard Card of American Athletic Colors, comprising Olympic and Standard Athletic shades in 1983.</p>
Availability	Distributed directly
Keywords	textile; fashion; interior design; color; sports; consumer products; general;

COMMERCIAL REFRIGERATOR MANUFACTURERS ASSOCIATION

	<p>Robert T. Chanler, Executive Director</p> <p>1101 Connecticut Avenue NW. Suite 700 Washington, D.C. 20036 (202) 857-1145</p> <p>Founded: 1933</p>
Type of Organization	Trade Association Standards Developer
Standards Development	One active standard
Standards Designation	CRS prefix
Certification	No certification, qualification, or accreditation programs
Scope	Manufacturers of refrigerated display cases and cabinets, food service refrigerators, and sectional cooling rooms.
Standardization Activities	Develops and revises Voluntary Minimum Standard for Retail Food Store Refrigerators - Health and Sanitation, CRS-S178 - as required.
Availability	Sold directly
Keywords	refrigerators; refrigeration;

COMMISSION ON ACCREDITATION OF REHABILITATION FACILITIES

Alan H. Toppel, Executive Director

2500 North Pantano Road
Tucson, Arizona 85725
(602) 886-8575

Founded: 1966

Type of Organization Professional Society
Standards Developer

Certification Certifies facilities which meet accreditation standards

Scope A national, private, nonprofit organization charged with setting standards and accrediting facilities providing service to physically and developmentally disabled people.

Standardization Activities Develops standards covering all aspects of a facility's operation including policymaking, recordkeeping, physical plant, fiscal management, and program development. The programs for which the Commission has developed standards include Hospital-Based Rehabilitation, Spinal Cord Injury Programs, Chronic Pain Management Programs, Outpatient Medical Rehabilitation, Infant and Early Childhood Development Programs, Vocational Evaluation, Work Adjustment, Occupational Skill Training, Job Placement, Work Services, Activity Services, Residential Services, Independent Living Programs, and Psychosocial Programs.

Availability Distributed directly

Keywords rehabilitation; physically handicapped; physically disabled; health care;

COMPOSITE CAN AND TUBE INSTITUTE

Robert W. Foster, Executive Vice President

1742 N Street NW.
Washington, D.C. 20036
(202) 223-4840

Founded: 1933

Type of Organization Trade Association
Standards Developer

Standards Development 17 active standards
26 standard testing procedures

Scope A nonprofit organization which fosters the collective interests of the composite can and tube industry.

Standardization Activities Administers a Technical Committee and Composite Can Committee active in standards development.

Does not participate in international programs or Federal government standardization activities, except when requests are received for specific information.

Publishes standard testing procedures to provide uniform methods for both manufacturers and users to measure and test the physical characteristics of composite cans, tubes, and cores. Develops and publishes recommended industry standards covering dimensions for certain high volume types of composite cans to accommodate customers' closing and handling equipment. Publishes guidelines

as sources of information for manufacturers and users of industry products. Publishes and revises testing procedures.

Availability Distributed directly

Formerly National Fibre Can and Tube Association (1970)

Keywords composite cans; composite tubes; packaging;

COMPRESSED GAS ASSOCIATION

Bernhard K. Kuehn, President

1235 Jefferson Davis Highway
Arlington, Virginia 22202
(703) 979-0900

Founded: 1913 Standards Staff: 12

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1913
250 member companies participating in standards activities
90 active standards, including metric

Standards Designation CGA prefix; in some instances, standards also bear ANSI and Canadian Standards Association (CSA) designations.

Government Adoption Standards comply with Department of Transportation and other government agencies where applicable (Federal, state, and local regulations).

Certification No certification, qualification, or accreditation programs

Scope Provides, develops, and coordinates technical activities in the compressed gas industries, including end-uses of products, so that they may serve the best interest of the public and industry. Active primarily in the fields of safety and technical specifications pertaining to the compressed gas and related product and service industries, including the medical fields of anesthesia and respiration.

Standardization Activities Collaborates with national organizations such as the NFPA, the National LP-Gas Association, ASTM, ANSI, AAR and the American Society of Anesthesiologists, to develop far-reaching specifications and standards of safety to benefit industry and the public.

Compiles information and publishes material, such as the Handbook of Compressed Gases, and pamphlets which contain a description of the used gases and give in detail the safest methods for handling and storing gases. Provides audiovisual presentations.

Conducts national and regional technical meetings and seminars to discuss practices, standards, and problems related to the broad spectrum of the compressed gas industries.

Submits recommendations to appropriate Government agencies to improve safety standards and methods of handling, transporting and storing gases. Acts as advisor to authorities, some of which are regulatory such as the U.S. Department of Transportation, the U.S. Interstate Commerce Commission, U.S. Coast Guard, U.S. Food and Drug Administration, Canada's Board of Transport, and state, provincial, municipal, and local agencies concerned with the safe handling of compressed gases. Participates in committees of the United Nations and the International Organization for Standardization (ISO).

Availability Distributed directly and through IHS and Global

Formerly Compressed Gas Manufacturers Association (1949)

Keywords compressed gases; medical; cryogenic; safety; transportation; materials;

COMPUTER AIDED MANUFACTURING INTERNATIONAL

W. A. Carter, Vice President and General Manager

611 Ryan Plaza Drive, Suite 1107
Arlington, Texas 76011
(817) 265-5328

Telex: 910-890-5127
CAM-I ARTN

Founded: 1972

Standards Staff: 2

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A nonprofit research and development membership corporation dedicated to advancing state-of-the-art technology in the application of computers to manufacturing.

Standardization Activities The CAM-I Standards Committee maintains an active membership of 15 representatives from the 95 industrial members and 40 educational members of the CAM-I organization. It develops proposed standards, adopts existing standards, or encourages development of these standards by organizations such as ANSI and NBS. Proposes and fosters national and international standards in association with ANSI, ISO, and other standards groups. Addresses and reviews needed standards; evaluates their potential impact on CAM-I member companies, national, and international standards.

Formerly Auto-program-tools Long Range Program (ALRP) (1972)

Keywords CAD/CAM; computers; software; manufacturing; geometric modeling; process planning; NC;

COMPUTER AND BUSINESS EQUIPMENT MANUFACTURERS ASSOCIATION

Vico E. Henriques

311 First Street NW.
Washington, D.C. 20001
(202) 737-8888

Fax: (202) 630-4922

Founded: 1916

Standards Staff: 7

Type of Organization Trade Association
Standards Developer

Standards Development 43 member companies active in standardization activities
128 standards
All processed through ANSI
12 waiting approval

Secretariats American National Standards Committee X3, Information Processing Systems

Scope A nonprofit organization that provides its members a forum for industry consultation and united action; a means for communicating facts and views of the industry to Government, to other industries, and the public.

Standardization Activities

Does not publish standards in its own name but participates actively with national standards bodies. An organizational member of ANSI. Through its Environment and Safety Committee, represents its members to other American National Standards Committees, including B11, Safety Standards for Machine Tools; C63, Radio-Electrical Coordination; C101, Leakage current for Appliances; P3, Pulp and Paper, S1, Acoustics; S12 Noise. Serves on the ANSI Information Systems and Electrical and Electronics Standards Boards, the Industrial Automation Panel, and participates in the Underwriters Laboratories Industry Advisory Conference, Office Appliances and Data Processing Equipment sections.

Promotes standards through publicity in association communications and the technical and trade press; distribution by member companies; reference to, and incorporation of, standards in member company public and internal technical publications; and through implementation of standards in member company products. Active standards committees and projects are listed in CBEMA annual and periodic activity reports.

Through American National Standards Committee X3, member companies participate in corresponding ISO Technical Committee 97, providing direct support to ANSI as Secretariat for TC 97. Through the Underwriters Laboratories and the U.S. National Committee, CBEMA supports International Electrotechnical Commission Technical Committee 74, Safety of Office Machines and Data Processing Equipment. Also maintains active liaison and cooperation with the International Consultative Committee for Telephony and Telegraphy, CCITT, and the standards programs of the Canadian Business Equipment Manufacturers Association, the European Computer Manufacturers Association (ECMA), and with national industry standards bodies of Japan and European countries.

Cooperates with the Federal Information Processing Standards (FIPS) program by direct liaison and exchange of documents between X3 and the National Bureau of Standards. Represents the industry to the standards program of the Occupational Safety and Health Administration, Department of Labor, and related activities of the Department of Health and Human Services.

Availability

Distributed directly and through ANSI and member companies

Keywords

automation; computers; data processing; information processing; information systems; office machines; communications;

CONCRETE PLANT MANUFACTURERS BUREAU

CONTROL SYSTEMS MANUFACTURERS DIVISION (CSMD)
PLANT MIXER MANUFACTURERS DIVISION (PMMD)

Vincent P. Ahearn, Executive Secretary

900 Spring Street
Silver Spring, Maryland 20910
(301) 587-1400

Founded: 1958

Type of Organization

Trade Association
Standards Developer; affiliated with the National Ready Mixed Concrete Association

Standards Designations

CPMB, CSMD, and PMMD prefixes

Government Adoption Widely used and referenced in government standards and specifications.

Certification CPMB and PMMD rating plates are affixed to concrete plants and plant mixers meeting Bureau Standards. CSMD uses stickers instead of plants to be affixed to control systems.

Scope Develops engineering standards with a view toward simplification and standardization of sizes, capacities, and other criteria associated with the manufacture of concrete plants.

Standardization Activities Develops standards for concrete plants and concrete mixers. Bureau standards subject to approval by the National Ready Mixed Concrete Association. Represented on committees of the National Ready Mixed Concrete Association. Participates in the development of governmental specifications or their interpretation.

Availability Distributed directly

Keywords concrete; concrete plants; materials; construction;

CONCRETE REINFORCING STEEL INSTITUTE

Victor A. Walther, Jr., Executive Vice President

933 North Plum Grove Road
Schaumburg, Illinois 60195
(312) 490-1700

Founded: 1924

Type of Organization Trade Association
Standards Developer

Scope Represents mill producers, fabricators, and suppliers of reinforcing bars. Associated members include producers and suppliers of other products used in concrete construction and fabricating equipment manufacturing. Increases the use of reinforcing bars through research, education, promotion, improved efficiency for lower final costs through better design, improved materials, and construction techniques.

Standardization Activities Technical activities are conducted by the CRSI Engineering Practice Committee and subcommittees on bar supports, placing reinforcing bars, concrete joist construction, detailing reinforced concrete, and splicing reinforcing steel.

Availability Sold directly

Keywords reinforcing steel; concrete; joists; construction; building;

CONGRESS OF NEUROLOGICAL SURGEONS

see **JOINT COMMITTEE ON DEVICES AND DRUGS**

CONSTRUCTION INDUSTRY MANUFACTURERS ASSOCIATION

John J. Benson, Executive Vice President and Secretary

111 East Wisconsin Avenue, Marine Plaza 1700
Milwaukee, Wisconsin 53202
(414) 272-0943

Founded: 1909

Type of Organization Trade Association
Standards Developer

**Standards
Designation**

PCSA Standard, LEMB prefix

Scope

A nonprofit U.S. trade association representing 200 companies which manufacture heavy construction machines and related components used in the general construction, roadbuilding, housing, mining, energy, and forestry fields.

Acts as a forum for its member companies to discuss and act upon problems and issues of industry-wide concern, including product safety, machine performance standards, government liaison, international trade, statistical marketing data, parts and service information, and energy management.

**Standardization
Activities**

Acts as a clearing house for the construction equipment manufacturing industry in the areas of safety, health, and environmental performance standards for construction machines. The term "performance standards" refers to performance criteria for machine safety, protective devices, noise characteristics, etc., as opposed to engineering standards which dictate design. Published standards include those for mobile cranes and excavators and ratings of vibratory rammers and plates.

Representatives deal with technical issues (including machine nomenclature, classification and specifications; voluntary consensus standards; regulations; and research) and safety-oriented issues for machines such as crawler tractors and loaders, wheel loaders and tractors, graders, dumpers (off-highway haulers), tractor-scrapers, compactors, planers, soil stabilizers, cranes, and excavators.

Active in the broad area of commercial standards that cover product maintenance, usage, certification, test, and inspection. Writes and publishes commercial standards used by the American National Standards Institute in development of consensus standards.

Availability

Sold directly

Keywords

construction; machinery; road building; mining; forestry;

CONSTRUCTION SPECIFICATIONS INSTITUTE

Joseph A. Gascoigne, Executive Director

601 Madison Street
Alexandria, Virginia 22314
(703) 684-0300

Founded: 1948

**Type of
Organization**

Technical Society
Standards Developer

**Standards
Development**

Standards developer since 1964
350 guide specifications
None processed through ANSI
Drafts not available for review

**Standards
Designations**

MASTERFORMAT; SPECTEXT

**Government
Adoption**

The Department of Defense has adopted CSI MP-2-1 MASTER-FORMAT, Master List of Section Titles and Numbers

Scope

A national technical society dedicated to improving and coordinating all aspects of construction specifications and

communications. Sixteen thousand members encompassing all segments of the construction industry including architects, engineers, contractors, material suppliers, and others.

**Standardization
Activities**

Activities are directed toward standardization of the language and format of construction specifications, as well as format, organization, and coordination of the contents of the Project Manual for a construction project.

Publishes a Manual of Practice which provides techniques, procedures, and formats for the preparation and organization of construction documents. Included is MASTERFORMAT which was jointly issued with CSI's Canadian counterpart, Construction Specifications Canada. The 16-Division concept presented in MASTERFORMAT has been adopted by government and private practices as a uniform approach for the organization of information contained in Project Manuals for Construction.

Produces SPECTEXT through its research affiliate, The Construction Sciences Research Foundation (CSRF). SPECTEXT is a 350 section library of master guide specifications for construction projects prepared in accordance with CSI recommended practices. CSI has also developed a product information retrieval system (SPEC-DATA II) and an automated computerized system for specification text manipulation adaptable to all types of master specification programs.

Availability

Sold directly

Keywords

specifications; formats; construction documentation; construction; information processing;

CONSUMER FEDERATION OF AMERICA

Stephen Brobeck, Executive Director

1314 14th Street NW.
Washington, D.C. 20005
(202) 387-6121

Founded: 1968

**Type of
Organization**

Consumer Advocacy Organization
Works through other organizations to develop standards

Representation

ASTM Committee F-15
Consumer Products FDA
Cosmetic Ingredient Review

Scope

Consumer membership organization composed of more than 200 national, state, and local groups committed to the goals of consumer advocacy and education. Advances pro-consumer policy before Congress, the Administration, regulatory agencies, and the courts; assists state and local consumer groups; and increases public and media awareness of consumer needs.

**Standardization
Activities**

Provides the consumer perspective for organizations which develop standards.

Keywords

consumer advocacy; consumer products;

CONTAINERIZATION AND INTERMODAL INSTITUTE

Norman M. Stone, Executive Director

299 Madison Avenue
New York, New York 10017
(212) 697-3120

Telex: WUI 62455

Founded: 1960

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A membership trade association of shippers, carriage operators, terminal and port managers, and equipment manufacturers engaged in serving the containerization industry.

Standardization Activities Works through ISO and ANSI to develop standards. Works closely with the Transportation Association of America, Society of Packaging and Handling Engineers, Packaging Institute, Society of Automotive Engineers, and the National Defense Transportation Association.

Formerly Containerization Institute

Keywords containerization; intermodal transportation; cargo handling; transportation; packaging;

CONTRACTORS PUMP BUREAU

Walter D. Anderson, Executive Director

13975 Connecticut Avenue
Suite 205
Silver Spring, Maryland 20906
(301) 871-8988

Founded: 1937

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1937
12 members participating in standards activities
Standards not processed through ANSI

Standards Designation Contractors Pump Bureau standards

Government Adoption These standards have been adopted by many state and local governmental agencies and by the U.S. Navy.

Certification Certification is by the individual manufacturer who states that his products are manufactured in accordance with the standards of the Contractors Pump Bureau.

Scope A national organization of manufacturers of pumps for use in the construction industry. Standards currently in use are the 15th revision adopted by the Bureau in July 1976.

Standardization Activities Aimed toward the proper understanding and utilization of the various types of pumps used for construction. Assists users to determine the type and size of pump best suited for a specific job. Developed the Certified Performance Seal used by manufacturers. Does not test, inspect or certify pumps. Active standards; self-priming centrifugal pumps, trash pumps, diaphragm pumps, and electrically driven submersible pumps.

Availability Distributed directly

Keywords pump; construction; industrial equipment;

CONVEYOR EQUIPMENT MANUFACTURERS ASSOCIATION

Raymond J. Lloyd, Executive Vice President

1133 15th Street NW.
Washington, D.C. 20005
(202) 429-9440

Founded: 1933

Type of Organization Trade Association
Standards Developer

Standards Development 14 active standards; works through ANSI

Standards Designation CEMA and ANSI/CEMA prefixes

Scope Manufacturers and engineers of conveyors and conveying systems, portable and stationary machinery used in transport of raw materials and finished products in warehouses and on assembly line operations.

Standardization Activities Develops standards for design, manufacture, and application of conveying machinery and component parts. Activities administered by CEMA Product Sections and CEMA Engineering Conference. Works with the Federation Europeenne de la Manutention (FEM) to enhance exchange of information with European conveyor manufacturers. Member of the American National Standards Institute. Also works with other organizations, such as the American Society of Mechanical Engineers, and with Federal Government organizations including the Occupational Safety and Health Administration, Office of Standards and the Bureau of Mines.

Availability Sold directly and through ANSI

Formerly Association of Conveyor and Material Preparation Equipment Manufacturers (1935)
Conveyor Association (1945)

Keywords conveyors; machinery; industrial equipment;

COOKWARE MANUFACTURERS ASSOCIATION

Paul Uetzmann, Executive Vice President

P.O. Box J
Walworth, Wisconsin 53184
(414) 275-6838

Founded: 1922

Standards Staff: 1

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1963
23 members participating in standards activities
16 active standards
All processed through ANSI
Draft standards available for review

Standards Designation	CMA prefix
Certification	No certification, qualification, or accreditation programs
Scope	A national trade association that represents U.S. companies engaged in the manufacture of cookware, bakeware, and miscellaneous cooking accessories. Promotes the welfare of the cookware industry, improves services to the public, and carries out activities in furtherance of the industry consistent with the public interest.
Standardization Activities	Establishes voluntary standards for products manufactured within the industry. Standards are intended as guides to aid the manufacturer, user, and general public. Standards cover procedures for determining sizes and capacities, uniform terminology for finishes and decorations, specifications for plastic handles and knobs, safety and health guidelines, metal specifications, and metric guidelines. Standards activity is the responsibility of a Standards/ Engineering Committee represented by members of domestic cookware/bakeware manufacturers. ANSI Z61.1-1979 has adopted all CMA standards for metal cookware and bakeware.
Availability	Sold directly and through ANSI
Formerly	Aluminum Ware Association (1963) Metal Cookware Manufacturers Association (1981)
Keywords	cookware; bakeware; microwave; food; consumer products;

COOLING TOWER INSTITUTE

	Dorothy Garrison, Administrative Manager
	P.O. Box 73383 Houston, Texas 77090 (713) 350-1995
	Founded: 1950
Type of Organization	Technical Society Standards Developer
Standards Development	Standards developer since 1950 270 members participate in standards activities 11 active standards None processed through ANSI
Standards Designation	STD - Standard ATC - Acceptance Test Code WMS - Wood Maintenance Standard NCL - Nomenclature
Government Adoption	Many government bids include CTI Standards as part of the specifications.
Certification	The Cooling Tower Institute may certify that a line of towers will perform in accordance with the manufacturers' published ratings.
Scope	A nonprofit, technical association dedicated to the improvement of technology, design, performance, and maintenance of cooling towers and cooling tower systems. Consists of manufacturers, users, and suppliers of equipment and chemicals, as well as engineering firms having an interest in cooling water related problems including water and air pollution. International membership.

Standardization Activities The standards activities of the Cooling Tower Institute are centered on fulfilling user-defined requirement of the industry and its customers. There are 10 published standards including recommended grades, grading rules, and allowable design stresses for redwood lumber; methods and instrumentation for determining water cooling capability of mechanical draft towers; and recommended material, manufacturing limitations, design requirements and allowable loads for timber fasteners. The Institute is also active on standards committees of NACE, ASME, and others.

Availability Sold directly

Keywords cooling; industrial equipment; water;

COPPER DEVELOPMENT ASSOCIATION

Arthur Cohen, Manager Standards and Safety Engineering
405 Lexington Avenue
New York, New York 10017
(212) 953-7300

Founded: 1963

Type of Organization Trade Association
Standards Developer

Standards Designation Standards Handbook

Secretariats U.S. National Committee for Copper and Copper Alloys

Scope An engineering development and market research organization for the copper and brass industry; develops new markets for copper and copper alloys; creates new concepts; builds prototypes and proves commercial feasibility for new applications of copper, brass, and bronze. Provides technical support to users of copper and copper alloys.

Standardization Activities Carries out standardization activities for brass mill and foundry products. Publishes the Standards Handbook which covers tolerances; alloy data, both wrought and cast; terminology; engineering data; sources; and a specifications cross index. Cooperates with ISO and Pan American Standards Commission (COPANT). Reviews Federal and military standards. A Standards Advisory Committee coordinates publication activities and participation in voluntary standard organizations.

Availability Distributed directly

Formerly Copper and Brass Research Association

Keywords copper; brass; bronze; materials;

CORDAGE INSTITUTE

Robert J. Keefe, Executive Director
444 North Capitol Street NW., Suite 711
Washington, D.C. 20001
(202) 638-7030

Founded: 1920

Type of Organization Trade Association
Standards Developer

Standards Development

Standards developer since 1924

Scope

Composed of rope and twine manufacturers in the United States, with some Canadian manufacturers and Cordemex of Mexico as special members. Promotes interests of the industry and improves its services to the public; compiles and distributes information; cooperates in handling problems common to the industry.

Standardization Activities

Maintains a Technical Committee which develops or participates in developing specifications for hard fiber and synthetic rope and twine with Government agencies. Works closely with the U.S. Army, U.S. Navy, the Maritime Administration, the Coast Guard, the General Services Administration, and others. Works with the Defense Supply Agency (Defense Industrial Supply Center) in regard to military specifications for natural and synthetic fiber ropes; U.S. Naval Ship and Engineering Center; and the U.S. Army Natick Laboratory. Also cooperates with private organizations including American Merchant Marine Association (towing hawsers on ocean-going vessels); American Society of Mechanical Engineers (sling specifications); National Ski Area Association (rope tow and rescue rope specifications); New York City Fire Department (rescue ropes); public utility companies (specifications and test methods); National Fire Protection Association; and Oil Companies International Marine Forum.

New projects include review of testing procedures for breaking strength standards and safety factors for double braided ropes (nylon and polyester), update of current CI specifications for three strand and light plaited rope, chemical and temperature resistance of cordage fibers, update of expert witness and testing laboratories listing, and development of standards for abrasion and wet tensile strength.

Participates in the activities of Technical Committee 38 - Textiles of the International Organization for Standardization (ISO), American Society for Testing and Materials (ASTM), Oil Companies International Marine Forum (OCIMF), National Fire Protection Association (NFPA). Provides a listing for laboratories for testing purposes, does no actual testing.

Publications include Quality Control-Minimum Standards; Specifications for Synthetic Ropes; Standard Test Methods for Stranded and Plaited Synthetic Fiber Ropes; Bend Tests Made on Natural and Synthetic Fiber Ropes; Fiber Rope Slings - Load Ratings and Safe Practices; The Cordage Industry Product Catalog; and The Safe Use of Rope - A User's Guide to the Safe Application of Fiber Ropes; Agricultural Twine Standard; Tying Twine Standard; Braided Rope Definitions; Standard Terminations for Testing Braided Rope; Quality Control; and General Rope Usage.

Availability

Distributed directly

Keywords

rope; cordage; industrial equipment; twine;

CORN REFINERS ASSOCIATION

Karen Petrosino, Assistant Director, Public Affairs

1001 Connecticut Avenue NW.
Washington, D.C. 20036
(202) 331-1634

Founded: 1913

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation Nine member companies active in ISO, NFPA, ANSI

Secretariats U.S. TAG ISO/TC 93

Scope Association for the U.S. corn wet milling industry. Provides services in the areas of research, public information, and government relations.

Standardization Activities Cooperates with U.S. and international standards developing organizations. Maintains an Analytical Procedures Committee which develops and publishes Standard Analytical Methods of the Member Companies for use in analyzing industry products. Cooperates with analytical groups such as AOAC in this endeavor. Does not issue product standards or specifications, but cooperates with governmental bodies such as FDA, FCC, USDA, USP, and Food and Agriculture Organization/World Health Organization (FAO/WHO). This activity is coordinated by the Scientific and Applied Development Committee.

Former. Corn Industries Research Foundation (1956;
Associated Corn Products Manufacturers (1932)
American Manufacturer's Association of
Products from Corn (1923)

Keywords corn; corn products; corn starch; agriculture; food;

COSMETIC, TOILETRY AND FRAGRANCE ASSOCIATION

E. Edward Kavanaugh, President

1110 Vermont Avenue NW.
Suite 800
Washington, D.C. 20005
(202) 331-1770 Telex: 89-2673

Founded: 1894

Type of Organization Trade Association
Standards Developer

Standards Development Developer of 186 specifications (voluntary standards) and 446 chemical descriptions since 1942
Development of standard nomenclature since 1972

Government Adoption FDA recognizes the CTFA Cosmetic Ingredient Dictionary as the official nomenclature for labeling cosmetic products through 21 CFR S701.3.

Scope A national trade association representing the cosmetic, toiletry, and fragrance industry. Active membership of 250 companies that manufacture or distribute 90% of the finished cosmetic products marketed in the United States. Also, 225 associate member companies from related industries, such as manufacturers of cosmetic raw materials and packaging materials. Represents its membership internationally in a range of scientific and regulatory areas.

Standardization Activities Specifications developed by a 25 member committee of analytical chemists representing both cosmetic manufacturers and suppliers. Has as its responsibility the publication of the CTFA Compendium of Cosmetic Ingredient Composition which includes specifications that chemically characterize and describe cosmetic ingredients, and test methods and spectra that correspond to these specifications; descriptions of raw materials are provided where specifications have not been developed. Specifications are strictly voluntary and designed to represent the type of ingredients used by the industry. The CTFA Compendium represents the largest collection of authentic specifications on cosmetic ingredients.

In compliance with Food and Drug Administration's regulations, the Association provides standard nomenclature for cosmetic raw materials. A twelve member committee develops this nomenclature.

Availability Sold directly

Formerly Toilet Goods Association (1935-1971)

Keywords cosmetic ingredients; cosmetics; toiletry; fragrance; laboratory testing; materials; consumer products;

COTTON WAREHOUSE ASSOCIATION OF AMERICA

Donald L. Wallace, Executive Vice President

232 East Capitol Street
Washington, D.C. 20003
(202) 544-0753

Founded: 1969

Type of Organization Trade Association
Standards Developer

Scope Consists of cotton compress and cotton warehouse owners and operators in the cotton belt states from the Carolinas to California. Associate membership is available to industry-related businesses, such as insurance companies, banks, equipment dealers, manufacturers, steamship and truck lines.

Standardization Activities Maintains Special Committees on Bale Preparation, Insurance and Standards, and Research and Engineering, which work closely with U.S. manufacturers of cotton bale ties and buckles, with a view to improving their quality, strength, and reliability. Resulting standards, widely used since 1956, cover width of ties, thickness of ties, minimum elongation of ties under stress, flatness of ties, weight and minimum tensile breaking strength of both ties and buckles.

Availability Distributed directly

Formerly Merger of the American and the National Cotton Compress and Cotton Warehouse Associations (1969)

Keywords cotton; materials;

COUNCIL OF AMERICAN-FLAG SHIP OPERATORS

Edmund T. Sommer, Jr., Counsel

1627 K Street NW.
Suite 1200
Washington, D.C. 20006
(202) 466-5388

Telex: TWX 7108221163

Founded: 1977

Standards Staff: 1

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ANSI MH5
ISO/TC 104

Scope Supports development of a statutory and regulatory framework within which all ocean carriers in the international trade of the

United States will compete on an equal basis and the promotion of U.S. flag shipping through close cooperation with shippers, government agencies, and various international organizations, such as the International Chamber of Shipping and the Intergovernmental Maritime Consultative Organization.

Standardization Activities Participates in domestic and international standards development involving multi-modal cargo containers and related equipment. Representatives are active on ANSI committee MH5, U.S. TAG to ISO/TC 104, American Bureau of Shipping, and other relevant organizations.

Formerly Committee of American Steamship Lines (1952)
American Institute of Merchant Shipping (1969)

Keywords transportation; ships; containers; intermodal;

COUNCIL OF NATIONAL LIBRARY AND INFORMATION ASSOCIATIONS

Patricia R. Harris, Executive Director

U.S. Department of Commerce
National Bureau of Standards
Washington, D.C. 20234
(301) 921-3241

Founded: 1939

Standards Staff: 2

Type of Organization Professional Society
Standards Developer

Standards Development Standards developer since 1939
300 individuals active in standards development
45 active Z39 American National Standards
All standards are processed through ANSI
Draft standards and revisions available for review by non-members for a nominal charge

Standards Designation ANSI prefix

Certification No certification programs

Secretariats ANSC Z39, which serves as the U.S. Technical Advisory Group to ISO/TC 46.

Scope Federation of national library and information associations. Promotes a closer relationship among the information associations of the United States and Canada to provide a forum for discussion of mutual interests.

Standardization Activities Maintains American National Standards Committee Z39 which is the standards organization in the United States responsible for writing, developing, and promoting voluntary standards in the area of libraries, publishing, and information sciences. Z39 members include libraries and library cooperatives, information utilities, abstracting and indexing services, publishers, government agencies, and professional associations.

Activities are directed toward achieving economies of scale and reducing duplication of effort among members of the information community. Common standards include International Standard Book Number (ISBN) and International Standard Serial Number (ISSN).

Availability Distributed through ANSI

Keywords library science; information systems; documentation; publishing; abstracting; indexing; communications; information processing;

CRAYON, WATER COLOR AND CRAFT INSTITUTE

Deborah Fanning, Executive Vice President

715 Boylston Street
Boston, Massachusetts 02116
(617) 266-6800

Founded: 1936

Type of Organization

Trade Association
Standards Developer

Standards Development

2 active standards

Standards Designations

PS and CS prefixes

Certification

The Certified Products Bureau of the Institute, initiated in 1940, insures the safety and quality of the products of subscribers to the bureau. Certified products are identified by a CP or AP Seal, both registered trademarks. The CP Seal insures both nontoxicity and specific quality requirements; the AP Seal insures nontoxicity only. Nonmember manufacturers may subscribe and be authorized to use the CP and AP Seals of the bureau if they meet the requirements. The products covered by the seals are crayons, chalk, finger paints, modeling clay, liquid and powdered tempera, semimoist water colors, block printing ink, school paste and related school art products.

Scope

An association of manufacturers of children's art materials which conducts a wide range of activities.

Standardization Activities

Maintains a Certification Committee which is responsible for the standardization activities.

Works with the National Bureau of Standards to develop and update commercial and more recently Voluntary Product Standards for products within the scope of the institute. Two current standards are CS130-60, Color Materials for Art Education in Schools and PS30-70, School Chalk. Presently plans are to replace CS130-60 with five separate standards. Standards for school paste and paints and inks for use in schools are in process. Standards for crayons and modeling clay will be initiated upon the completion of two pending standards.

Availability

Distributed directly

Keywords

crafts; water color; crayon; education; consumer products;

CULTURED MARBLE INSTITUTE

T. David McFarland, Executive Director

435 North Michigan Avenue
Suite 1717
Chicago, Illinois 60611
(312) 644-0828

Telex: 701633

Founded: 1974

Type of Organization

Trade Association
Standards Developer

Standards Designation

ANSI Z124.3
CMILS3-76

Government Adoption	Several State Codes reference the CMI LS2-76 Standard
Certification	CMI administers a Certification Program for cultured marble lavatories utilizing third party independent testing laboratories.
Scope	Represents manufacturers of cultured marble products such as lavatories, bath tubs, shower pans, and flat stocks. Focuses on improving the quality of cultured marble in the marketplace and increasing market penetration of members' products.
Standardization Activities	Prepared and maintains CMI LS2-76, Property and Performance Standard for Cultured Marble Lavatories. Represented on ANSI Z124 Committee that is responsible for standards covering bath tubs, shower pans, lavatories, and water closets.
Availability	Distributed through ANSI
Keywords	cultured marble; plumbing fixtures; building; materials;

CUTTING TOOL MANUFACTURERS OF AMERICA

C. Welles Jatho, Executive Secretary

6735 Telegraph Road, Suite 175
Birmingham, Michigan 48010
(313) 647-4747

Founded: 1943

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	ANSI B94
Scope	Association of U.S. manufacturers of cutting tools and machine tool accessories used primarily in manufacturing industries.
Standardization Activities	Serves on various technical committees of ANSI B94. Works with ASME. Draft standards and revisions available for review.
Formerly	Cutting Tool Manufacturers Association
Keywords	cutting tools; machine tool accessories; manufacturing;

DAIRY AND FOOD INDUSTRIES SUPPLY ASSOCIATION

Harold E. Thompson, Technical Director

6245 Executive Boulevard
Rockville, Maryland 20852
(301) 984-1444

Telex: 908706

Founded: 1912

Standards Staff: 2

Type of Organization	Trade Association Standards Developer
Standards Development	Standards developed since 1944 475 members and non-members participate in standards development 62 Sanitary Standards; and 10 Accepted Practices None processed through ANSI
Standards Designation	3-A Sanitary Standards

Government Adoption	Cited in recommended Grade "A" Pasteurized Milk Ordinance of U.S. Public Health Service Cited in U.S. Department of Agriculture plant regulations Accepted by state and local public health and agriculture agencies throughout U.S.
Certification	Equipment complying with the standards may carry 3-A symbol, contingent upon authorization from the 3-A Symbol Council.
Scope	Represents the manufacturers of supplies and equipment for the dairy industry and the supplier organization for the food industry.
Standardization Activities	Cosponsors the 3-A Sanitary Standards program with other dairy processor trade associations. Houses the secretary of the program and coordinates the work of 47 specific task committees which develop the standard. Implements standards activity through the DFISA, Technical Committee, and "satellite" task committees. Sponsors the 3-A program for dairy equipment and the E-3-A Sanitary Standards for liquid egg processing equipment. Cooperates with local, state and federal agencies, equipment manufacturers and distributors, and public health officials in developing standards.
Availability	Published in Journal of Food Protection Distributed by International Association of Milk, Food, and Environmental Sanitarians
Keywords	egg; dairy; equipment; food;

DATA PROCESSING MANAGEMENT ASSOCIATION

	Edward J. Palmer, Executive Director 505 Busse Highway Park Ridge, Illinois 60068 (312) 825-8124 Founded: 1951
Type of Organization	Professional Society Works through other organizations to develop standards
Representation	ANSI X3
Scope	National and international organization of 44,000 members engaged in data processing, systems development, and use and management of computers and related equipment.
Standardization Activities	Participates in standards development in the data processing field through its membership and active representation on the American National Standards Committee X3 on Computers and Information Processing. Encourages and publicizes efforts toward the development of standards in data processing equipment, terminology, data codes, analysis, documentation, and computer programming languages through its monthly Data Management Magazine and Standards Diary. Solicits review and comment by its members on proposed standards.
Formerly	National Machine Accountants Association (1951-1962)
Keywords	data processing; information management; computers;

DENTAL MANUFACTURERS OF AMERICA

Edward B. Shils, Executive Director

1118 Land Title Building
Philadelphia, Pennsylvania 19110
(215) 563-2588

Founded: 1932

Type of Organization Trade Association
Works through other organizations to develop standards

Representation American Dental Association, the Federation Dentaire Internationale, American National Standards Institute, the Food & Drug Administration, and other specialized organizations in the development of standards and specifications for dental equipment and dental supplies.

Scope A trade organization of dental manufacturers; represents 150 U.S. companies engaged in research, development, and manufacture of dental equipment and dental supplies. Represents its membership in areas such as technology, government relations, exports, and industry activities.

Standardization Activities Maintains Technology Committee which works with the FDA, the Defense Department, the National Bureau of Standards, and other government agencies, as well as with the American Dental Association, in their development of standards, guidelines, certification, and acceptance programs on various dental products. Also develops manufacturing practices manuals.

Keywords dental supplies; dental equipment; medical equipment;

DFA OF CALIFORNIA

Frank A. Mosebar, Executive Vice President

P.O. Box 270-A
303 Brokaw
Santa Clara, California 95052

Founded: 1908

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1909

Standards Designation DFA Dried Fruit & Tree Nut Grades & Specifications

Certification DFA of California Certificate of Quality is issued for shipments meeting industry requirements and grades for superior quality. Certificates issued as a result of this type of inspection have achieved worldwide acceptance and establish a prime focal evidence of a "delivery" by the shipper.

Secretariats U.S. Technical Advisory Group for ISO/TC34 - Subcommittee 13, Dried Fruit
ECE, Group of Experts on dry and dried fruit

Scope An association of California's dried fruit and tree nut processors handling 95% of California's annual one billion dollar dried fruit and tree nut production.

**Standardization
Activities**

Establishes grade standards for dried fruits and tree nuts considered national in scope. These define defects and certain quality standards as set forth in USDA grades and industry specifications. Standards comply with both the domestic and foreign need to know that goods shipped comply with contract descriptions. Standards developed encompass industry specifications for dried fruit and tree nuts produced in California. Also acts as the research agency in developing such standards as may be required for new products developed in the dried fruit industry. Cooperates with foreign governments and submits food additives petitions used in the dried fruit and tree nut industries.

Services include prune, walnut, and fig inspections as required by Federal or state marketing orders governing these products, inspections of the majority of dried apples, cut fruits, and pistachio nuts produced in California under private contract.

Availability

Distributed directly

Formerly

Dried Fruit Association of California

Keywords

dried fruit; tree nuts; agriculture; food;

DIAMOND WALNUT GROWERS

Frank L. Light, President

1050 South Diamond Street
P.O. Box 1727
Stockton, California 95201
(209) 466-4851

Founded: 1912

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

9 domestic, 5 Canadian, 15 foreign, 70 special customer standards

Certification

DWGI employs a Quality Control Department and the services of DFA of California to certify products during processing and at time of shipment.

Scope

A nonprofit cooperative association owned by 3,850 walnut growers who produce 50 percent of the walnuts grown in the State of California.

**Standardization
Activities**

Develops standards for shelled walnuts with all statements of maximum restraints and definitions concerning size, color, and defective kernels from United States Standards for Shelled Walnuts (*Juglans regia*), 23 F.R. 10354, January 25, 1959, and Department of Agriculture, Consumer and Marketing Service Walnut Color Chart of 1967, except where superseded by the Code of Federal Regulations, Title 21, Section 128.10, March 30, 1972, or other applicable sections. Established four color and five size standards for inshell walnuts with all statements of tolerance and definitions concerning size, color, and grade defects from United States Standards for Grades of Walnuts (*Juglans regia*) in the Shell, 29 F.R. 12865, September 12, 1964, as amended September 1, 1968, 33 F.R. 10840.

Standards are national in scope and DWGI markets under the Agricultural Marketing Agreement Act of 1937, as amended, with administration by the Walnut Control Board in San Mateo. DWGI's involvement with other governmental agencies also includes the Department of Agriculture, Fruit and Vegetable Division, Food and

Drug Administration, Economic Research Service, Foreign Agricultural Service, and the Department of Commerce.

Standards promoted through 88 domestic and 33 foreign brokers.

Availability Distributed directly

Formerly California Walnut Growers' Association (1956)

Keywords walnuts; edible nuts; agriculture; food;

DIAMOND WHEEL MANUFACTURERS INSTITUTE

Allen P. Wherry, Manager

712 Lakewood Center North
Cleveland, Ohio 44107
(216) 226-7700

Telex: 98-5559

Founded: 1963

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development 4 active standards
ANSI approved

Standards Designations ANSI B74.x

Scope Manufacturers of grinding wheels and blades in which diamonds are the abrasive used.

Standardization Activities The Standards and Safety Committee has developed standards for shapes and sizes of diamond grinding wheels and hand hones, size and density of diamond abrasive grain, and an identification code for diamond wheel shapes. These have been processed through ANSI. Also cooperates with ISO/TC 29/WG 5 on international standards.

Availability Directly and through ANSI

Keywords grinding wheels; diamond abrasives; manufacturing;

DIESEL ENGINE MANUFACTURERS ASSOCIATION

Allen P. Wherry, Secretary-Treasurer

712 Lakewood Center North
14600 Detroit Avenue
Cleveland, Ohio 44107
(216) 226-7700

Telex: 935559 AP WHERRY LKWD

Founded: 1944

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development 6 member companies participating in standards activities
3 active standards
None processed through ANSI

Certification No certification, qualification, or accreditation programs

Scope A national trade association representing U.S. companies engaged in the manufacture of diesel and/or internal combustion engines whose product line includes units of 1,000 horsepower or larger.

Standardization Activities Maintains a Technical Committee which prepares standards for marine diesels, for low and medium speed stationary diesel and gas engines, for the measurement of sound from heavy-duty reciprocating engines, and for the measurement of exhaust emissions for low and medium speed internal combustion engines.

Availability Sold directly

Keywords diesel engines; gas engines; marine; machinery;

DISTILLED SPIRITS COUNCIL OF THE UNITED STATES

F. A. Meister, President
 425 13th Street NW.
 Washington, D.C. 20004
 (202) 628-3544

Founded: 1973

Type of Organization Trade Association
 Works through other organizations to develop standards

Scope Represents producers and importers of beverage distilled spirits.

Standardization Activities Through its standing committees of technical experts from member companies, develops recommended guidelines pertinent to the industry. Initiates studies, as needs are foreseen or dictated by developments in the regulatory and/or private sectors. Cooperates with Federal agencies and other groups. Projects include plant fire protection recommendations and metric size standards, both domestic and international.

Formerly Distilled Spirits Institute
 The Bourbon Institute
 Licensed Beverage Industries

Keywords alcoholic beverages; distilled spirits; metric; fire protection;

DOOR AND HARDWARE INSTITUTE

Richard Hornaday, Executive Vice President
 7711 Old Springhouse Road
 McLean, Virginia 22102
 (703) 556-3990

Founded: 1934 Standards Staff: 2

Type of Organization Trade Association
 Standards Developer

Standards Development 17 active standards
 Standards processed through ANSI
 Draft standards available for review
 Invitation to review announced through ANSI

Government Adoption "A115" Series for steel and wood doors has been adopted by VA, GSA, and DoD.

Scope Wholesalers and specifiers distributing doors and builders' hardware to architects, contractors, and builders. Conducts management and technical courses and statistical surveys. Sponsors technical research and establishes standards.

Standardization Activities Formulates standard specifications for preparation of standards steel doors and frames for builders' hardware. Works closely with BHMA, NAAMM, ISDSI and SDI in developing standards. Solicits technical input from all affected interests, including government and industry organizations.

Availability Distributed directly and through ANSI

Formerly National Builders Hardware Association

Keywords doors; builders' hardware; building;

DOOR OPERATOR AND REMOTE CONTROLS MANUFACTURERS ASSOCIATION

Frank S. Fitzgerald, Executive Secretary

Suite 201
655 West Irving Park
Chicago, Illinois 60613
(312) 525-2644

Founded: 1959

Standards Staff: 1

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A national trade association comprised of manufacturers of vehicular door operators -- residential, commercial, or industrial -- and/or remote controls for the operation.

Standardization Activities Maintains a technical committee which developed a Minimum Standard for Heavy Duty Industrial and Commercial Draw Bar Type Electrically Powered Door Operators. It no longer develops standards but cooperates with Underwriters Laboratories in its development of UL 325, Standard for Safety for Door, Drapery, Gate, and Window Operators and Systems. Also cooperates with the Federal Communications Commission regarding the rules and equipment authorization procedures of radio frequency devices.

Keywords doors; remote control; hardware; buildings;

DRY PROCESS CERAMIC AND STEATITE MANUFACTURERS ASSOCIATION

Richard C. Byrne, Secretary

25 North Broadway
Tarrytown, New York 10591
(914) 332-0040

Founded: 1978

Type of Organization Trade Association
Standards Developer

Scope Manufactures of kiln fired ceramic compositions which results in ceramic products of many uses that withstand high temperature, long use, great mechanical, electrical and chemical stresses.

Standardization Activities Develops standards for general test methods, inspection sampling, loss factor tests, resistance to thermal extremes, and other technical characteristics.

Availability Distributed directly

Formerly Dry Process Manufacturers Association (1978)
The Steatite Manufacturers Association (1978)

Keywords ceramic products; materials;

DUCTILE IRON PIPE RESEARCH ASSOCIATION

Troy F. Stroud, P.E., President

245 Riverchase Parkway East
Suite 0
Birmingham, Alabama 35244
(205) 988-9870

Founded: 1915

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Four members active in voluntary standards including representatives on standards committees of ANSI, ASTM, AWWA, ASME, NFPA, and others.

Scope American manufacturers of ductile iron pipe, dedicated to maintaining the highest piping standards through a program of continuing research. Ductile iron pipe is used extensively for water and wastewater applications.

Standardization Activities Participates in national committees that develop product standards pertaining to ductile iron pipe, including standards for manufacture, design, installation, joints, coatings, linings, fittings, and other appurtenances. Utilities and consulting engineers frequently incorporate these standards in purchase orders and contract specifications. Members also provide standards committees with research and test data concerning their products.

Formerly Cast Iron Pipe Publicity Bureau (late-1920's)
Cast Iron Pipe Research Association (1979)

Keywords pipe; fittings; water; wastewater; plumbing; sanitation; industrial equipment;

EASTERN BIRD BANDING ASSOCIATION

H.B. Suthers, President

Mine Road, Box 332 D
Pennington, New Jersey 08534

Founded: 1923

Type of Organization Professional Society
Standards Developer

Scope Provides consultation services to professional and amateur ornithologists who are active and licensed by the Fish and Wildlife Service to engage in banding and marking activities of birds protected by the Bird Treaty Acts. Publishes a quarterly magazine dealing with bird banding and related activities and research data, new methods, and field techniques. Membership numbers 725.

Standardization Activities Standardizes field methods which further aid work done by appropriate governmental agencies in the collection of field data and statistics of bird populations, bird migration, breeding studies, and similar projects involving marking and banding of birds as a means of gathering these data. Cooperates extensively with the U.S. Department of Interiors' Fish and Wildlife Service.

Availability Distributed directly

Keywords birds; recreation;

EDISON ELECTRIC INSTITUTE

John P. Markey, Director

1111 19th Street NW.
Industry Standards Department
Washington, D.C. 20036
(202) 828-7400

Telex: 710 822 0132

Founded: 1933

Standards Staff: 4

Type of Organization Trade Association
Work through other organizations to develop standards

Representation 150 members active in EEI standardization, including representatives on more than 80 standards committees of ANSI, ASTM, IEEE, NFPA, ASME and others

Scope An association of America's investor-owned electric utility companies. Its members provide over 77 percent of the country's electricity, serving over three-quarters of the U.S. population. The principal forum where electric utility people exchange information on developments in their business and maintain liaison between the industry and the federal government. A basic objective is the "advancement in the public service of the art of producing, transmitting, and distributing electricity and the promotion of scientific research in such field."

Standardization Activities Standards activities are directed toward cost effective programs and innovative techniques to maximize the effectiveness of its representatives on national standards committees.

Electric utility companies make extensive use of standards and actively participate in committees developing standards they can apply. These include standards for electric power generation and transmission equipment such as boilers, all types of turbines, transformers, circuit breakers, and valves; all aspects of radiation measurement and protection; and standards for safety, air and water quality, computers, and many others.

Although the Institute is not a standards developing organization, it works within the voluntary standards system to coordinate electric utility industry standards activities and act as the industry voice. Its Codes and Standards Executive Advisory Committee has overall responsibility for directing all EEI activities relating to codes and standards. It recommends policy to the EEI Board in regard to participation in standards development work within the voluntary consensus organizations and coordination with government agencies which develop or reference standards in the regulatory process.

The Standards Coordinating Committee coordinates high priority standards activities of interest to the industry and provides relevant information to member companies. A formal program of interfacing directly with standards developing organizations such

as ANSI, IEEE, ASME, NEMA, and ASTM includes a procedure for monitoring and coordinating international standards activities. The Metrication Committee coordinates participation in the development of metrication programs within the electric utility industry and monitors activities of the American National Metric Council.

In addition to these committees specifically tasked to monitor and coordinate broad issues and subjects, each EEI technical committee is responsible for monitoring the work of standards developing committees in its field. The technical committees accomplish this through a Codes and Standards Subcommittee which, in cooperation with the Association of Edison Electric Illuminating Companies, advises the Electric Light and Power representatives on standards committees of the industry's position on proposed standards. Each EEI member company has a Codes and Standards Liaison Representative who is made aware of standards activities and issues through an EEI newsletter and special reports.

Keywords energy; electric power; electrical equipment; nuclear; metric;

ELASTIC FABRIC MANUFACTURERS COUNCIL OF NORTHERN TEXTILE ASSOCIATION

Karl Spilhaus, President

211 Congress Street
Boston, Massachusetts 02110
(617) 542-8220

Founded: 1953

Type of Organization Trade Association
Standards Developer

Standards Designations NTA-EC prefix

Scope Represents over three quarters of the elastic fabrics industry of the United States. Became part of Northern Textile Association in 1970.

Standardization Activities Actively engaged in the establishment, review, revision, and promulgation of standard test methods, performance standards, and specifications for standard types of knitted, woven and braided elastic fabrics and nonelastic braided trimming. Current standards include: Woven Waistband Elastic Minimum Performance Standard/A Performance Standard for Webbing Used in Men's and Boys' Underwear and Pajamas; Methods of Testing Wide Elastic Fabrics-Tension and Stretch, NTA-EC-1-71.

In addition to counseling engineering societies such as the American Society for Testing and Materials and Federal agencies, the EFMC's Technical Committee is a source for interlaboratory testing and test methods, review of product characteristics, and the development of suggested tolerances and specifications.

Availability Distributed directly

Formerly Elastic Fabric Manufacturers Institute (1970)

Keywords textiles; fabrics; braids; trim; webbing; elastic;

ELECTRICAL APPARATUS SERVICE ASSOCIATION

August A. Baechle, Executive Vice President

1331 Baur Boulevard
St. Louis, Missouri 63132
(314) 993-2220

Telex: 955329 TLX, SRVC;
ATTN: EASA

Founded: 1933

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Scope

An international trade association of companies that sell, service, and repair industrial electric motors, generators, transformers, controls, and similar electro-mechanical equipment. Over 2,700 members worldwide.

Standardization Activities

Develops standards and limited warranties for the electrical apparatus sales and service industry that cover the mechanical and electrical aspects of repair, rebuilding, and testing electro-mechanical equipment. This includes single and polyphase AC induction motors, DC motors and generators, transformers (liquid and dry types), hermetic motors, and hand power tools. Also defines the condition of electrical equipment for sale, and has written standard warranties for each condition specified. Developed set of electrical safety standards.

Availability

Distributed directly

Formerly

National Industrial Service Association (1960)

Keywords

electrical equipment; electric motors; generators; machinery;

ELECTRICAL GENERATING SYSTEMS MARKETING ASSOCIATION

Anthony Raucci, Executive Director

Box 9257
Coral Springs, Florida 33065
(305) 755-2677

Founded: 1963

Type of Organization

Trade Association
Standards Developer

Scope

An international industry organization representing manufacturers and distributors involved with the generation, transmission, storage, and control of electrical energy not directly supplied by the public utility companies.

Standardization Activities

Maintains a cooperative standards program for developing and promulgating standards and specifications to serve the industry and its customers; provides an effective liaison between the industry and its customers, both civilian and military, for the interchange of information and ideas; and assists its customers in obtaining the most advanced and reliable products and scientific developments from the industry.

Availability

Distributed directly

Formerly

Engine Generator Set Manufacturers Association (1971)

Keywords

electrical generators; electrical power; energy; electrical equipment;

ELECTRONIC INDUSTRIES ASSOCIATION

John M. Kinn, Director of Engineering

2001 Eye Street NW.
Washington, D.C. 20006
(202) 457-4961

Telex: 710-822-0148

Founded: 1924

Standards Staff: 17

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1926
3000 member representatives participate in standards activities through 750 committees, subcommittees and task groups
Majority of EIA Standards processed through ANSI
Draft standards available for review

Standards Designation

EIA RS and JEDEC prefixes

Government Adoption

The Department of Defense adopts EIA Standards applicable to their needs.

Certification

EIA is the National Standards Organization (NSO) which is responsible for the IECQ-System certification process within the U.S.

Secretariats

IEC 12F, 46, 46E, 48, 48B, 48C.

Scope

A national trade association of companies involved in the manufacture of electronic components, equipment, and systems for consumer, industrial, and government applications. They represent their members in national and international areas of interest.

Standardization Activities

Involved in standardizing components such as resistors, capacitors, switches, transformers, inductors, transistors, and integrated circuits; television tubes, broadcast equipment, data transmission, numerical control, printed circuits, radios, phonographs, satellite communications, and tape systems. Processes standards through ANSI and the IEC. Standards are in use throughout the world either by direct application or by adoption as an international standard. Engineering standards are designed to eliminate misunderstanding between manufacturers and purchasers, facilitate interchangeability and improvement of products, and assist the purchaser in selecting and obtaining with minimum delay the proper product for his particular need.

Availability

Distributed through Electrical and Electronic Manufacturing Association of Canada, IHS, Global, DECO, NSA, IMI, American Technical Publishers, Ltd.

Formerly

Radio Manufacturers Association (1958)
Radio-Electronics-Television Manufacturers Association (1957)
Absorbed: Magnetic Recording Industry Association

Keywords

telecommunications; electronics; industrial equipment; electrical equipment; defense; consumer products; data processing;

ENTOMOLOGICAL SOCIETY OF AMERICA

Raymond L. Everngam, Jr., Managing Editor

4603 Calvert Road
College Park, Maryland 20740
(301) 864-1334

Founded: 1953

Type of Organization

Scientific Society
Standards Developer

Standards Designation

Approved Common Names of Insects

Scope

Professional society of entomologists and others interested in the study and control of insects. Maintains specialized education, placement service, and research programs. Compiles statistics.

Standardization Activities

Committees work to standardize and define common and scientific names of insects and related arthropods, as well as insecticide names.

Availability

Distributed directly

Keywords

insects; entomology; insecticides; pesticides; public health; materials;

EQUIPMENT AND TOOL INSTITUTE

Donn R. Proven, Executive Manager

1545 Waukegan Road
Glenview, Illinois 60025
(312) 729-8550

Founded: 1947

Type of Organization

Trade Association
Standards Developer

Scope

Manufacturers of automotive service equipment and tools.

Standardization Activities

Prepares test equipment performance guidelines. Maintains the Performance Test Group which communicates with vehicle manufacturers to insure equipment compatibility and with federal and state agencies to insure equipment complies with performance regulations. Publishes guidelines which provide performance criteria that can be used to characterize service equipment as being of a professional grade for the automotive technician. Equipment includes voltmeters, ohmmeters, brake testing equipment, wheel alignment, headlamp testers, timing devices, gauges, exhaust emission analyzers, and others.

Availability

Distributed directly

Keywords

automotive equipment; instruments;

ETL TESTING LABORATORIES

James Tucker, President

Industrial Park
Cortland, New York 13045
(607) 753-6711
Founded: 1896

Type of Organization Independent Test Laboratory
Standards Developer

Certification Approximately 40 percent of ETL's activity is in the field of product certification where it conducts performance tests on a wide range of products. These tests are conducted according to industry standards which are national in scope. Test results are published periodically for products such as air conditioning equipment, gas appliances, builders hardware, fluorescent ballasts, refrigerators and freezers, and carpeting.

ETL's certification programs are recognized and used by Federal agencies such as General Services Administration (GSA), Department of Housing and Urban Development (HUD), Occupational Safety and Health Administration (OSHA), and Veterans Administration (VA).

Scope An independent, employee-owned testing, inspection and certification agency. A multi-disciplined organization, ETL presently operates within ten divisions: Acoustical, Air Conditioning and Refrigeration, Carpet, Design Services, Electrical, Heating, Mechanical, Photometric, Research and Development, and Safety.

Standardization Activities Develops standard testing and certification procedures. Carpet certification procedures to HUD/FHA minimum Property Standard UM44C were prepared under contract by ETL.

ETL is also recognized by state and local governments as a qualified safety testing laboratory. It tests electrical products to UL, ANSI, and IEC standards. ETL makes available its procedural guides and certified directories to all interested parties.

Formerly Electrical Testing Laboratories

Keywords testing; consumer products; electrical equipment; acoustics; air conditioning;

EXCHANGE CARRIERS STANDARDS ASSOCIATION

O.J. Gusella, Executive Director

4 Century Drive
Parsippany-Troy Hills
New Jersey 07054
(212) 310-8000

Founded: 1983

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Represents exchange carrier interests on ANSI accredited committees and standards boards and other organizations.

Secretariat Committee T1 which is concerned with aspects of standardization related to the public telephone network. Expects ANSI accreditation during 1983.

Scope A private, voluntary association of the exchange carrier industry which addresses technical standards and related areas regarding the public telephone network.

Standardization Activities Represents exchange carrier interests in all standards and related technical fields, and provides the sponsoring organization and secretariat for an independent interconnection and interoperability standards committee (T1), open in membership to all parties interested in the formulation of such standards. These parties include exchange and interexchange carriers, manufacturers, enhanced service providers, user groups, professional associations, and government agencies.

Formerly The Telephone Group

Keywords telephone network; carrier interconnection; communications;

EXPANDED SHALE, CLAY AND SLATE INSTITUTE

Harry C. Robinson, Managing Director

4905 Del Ray #210
Bethesda, Maryland 20814
(301) 654-0140
Founded: 1952

Type of Organization Trade Association
Standards Developer

Scope A nonprofit technical organization supported by producers of expanded shale, clay, and slate using the rotary kiln process. Objectives are improving and extending the uses of expanded shale aggregate through research and development; disseminating data to the architectural and engineering professions and to the construction industry; cooperation and collaboration with other technical organizations interested and active in the field of concrete; and maintenance of standards for uniformly high product quality.

Standardization Activities Active in ASTM, ACI, CSI, and ASCE in promulgating building codes, test methods, recommended practices, specifications, and standards for structural lightweight concrete, lightweight concrete masonry, and/or lightweight aggregates

Publishes No. 10 Concrete Masonry Guide Specifications and No. 11 Guide Specifications for Structural Lightweight Concrete. Members' products meet requirements of Standard Specification for Lightweight Aggregates for Structural Concrete, ASTM C330.

Availability Distributed directly or through members

Formerly Expanded Shale Institute (1952)

Keywords concrete; masonry; aggregates; construction; materials;

EXPANSION JOINT MANUFACTURERS ASSOCIATION

Richard C. Byrne, Secretary

25 North Broadway
Tarrytown, New York 10591
(914) 332-0040

Founded: 1955

Type of Organization Trade Association
Works through other organizations to develop standards

Scope	Manufacturers of joints for piping systems. Fosters and studies the problems peculiar to expansion joints.
Standardization Activities	Through its Technical Committee, engages in the improvement of standards which were developed in the interest of public safety and for guidance in design and determination of service capacities and quality of bellows expansion joints.
Keywords	expansion joints; industrial equipment;

FACING TILE INSTITUTE

Carl J. Deimling, President

Box 8880
Canton, Ohio 44711
(216) 488-1211

Founded: 1934

Type of Organization	Trade Association Standards Developer
Standards Designation	FTI prefix ASTM C-126-82
Government Adoption	Standards have been adopted by the Army Corps of Engineers, Navy, Air Force, FDA, and others.
Certification	There is a continuous program of testing and certification of all members' products covering surface appearance and finish conducted by various testing laboratories.
Scope	Composed of manufacturers of ceramic glazed structural facing tile, natural finish tile, and glazed brick. Promotes the use of glazed and unglazed facing tile for interior and exterior use in all phases of construction.
Standardization Activities	Engages in the standardization of shapes, colors, and installation techniques and has recently updated its specifications. Maintains liaison with the Brick Institute of America and Mason Contractors Association of America.
Availability	Distributed directly
Formerly	Glazed Brick and Tile Institute
Keywords	tile; ceramic; glazed; brick; building; materials;

FACTORY MUTUAL RESEARCH CORPORATION

Paul M. Fitzgerald, Vice President and
Chief Operating Officer

1151 Boston-Providence Turnpike
Norwood, Massachusetts 02062
(617) 762-4300 Telex: 92-4415

Founded: 1835 Standards Staff: 184

Type of Organization	Standards Developer
Representation	FMRC engineers participate in standards committees of the NFPA, ASME, ASTM, AWWA, IEEE, ANSI, ISO and IEC.

Standards Designation	Data Sheets, Loss Prevention Data, D.S. prefix Approval Standards
Government Adoption	Certain FMRC standards are referenced in codes and regulations of various local, state, and federal agencies. OSHA has designated FMRC as a test agency for certain types of equipment requiring approval.
Certification	The approvals staff evaluates products to certify that they meet certain standards of other organizations (e.g. ASTM). Certification is a distinct and separate process and does not imply FMRC approval.
Scope	A wholly owned associate of the Factory Mutual System, providing loss control standards development, basic research, applied research, and full-scale testing primarily for industrial, commercial, and institutional policyholders insured by Allendale Mutual, Arkwright-Boston Manufacturers, Philadelphia Manufacturers, and Protection Mutual. Maintains full-scale testing laboratories and modeling techniques.
Standardization Activities	<p>Prepares loss prevention data sheets based on staff studies of industrial processes and hazards, loss experience, test work, and research by FMRC scientists and engineers, property inspections by field engineers and input from industry, professional and trade associations, and other sources. Subject matter includes building design and materials, fire protection equipment and systems, heating and electrical equipment, pressure vessels and boilers, hazardous materials and processes, and mechanical equipment. These provide recommended guidelines for the protection of industrial, commercial, and institutional properties against fire, explosions, wind, boiler and machinery accidents, and other insured perils.</p> <p>Provides Approval Standards covering various types of fire protection equipment, flammable liquid equipment, fuel and combustion controls, boiler combustion safeguards, industrial trucks, electrical equipment, fire and burglar alarm systems and services, building material assemblies, and products. These specify requirements for approval and listing of equipment, materials, and services intended for loss control purposes and for potential hazards. An approval process includes inspection and audit of the product manufacturer's production and quality control facilities, with periodic followup. Approved products are typically labelled as "Factory Mutual System Approved" or "FM Approved".</p>
Availability	Data sheets and standards distributed directly
Keywords	fire protection; boilers; combustion; alarm systems; safety; hazards; electrical equipment; industrial equipment; insurance;

FARM AND INDUSTRIAL EQUIPMENT INSTITUTE

John Crowley, Director of Engineering Programs

410 North Michigan Avenue
Chicago, Illinois 60611
(312) 321-1470

Telex: 467846

Founded: 1893

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	ASAE, SAE, ANSI

Scope Provides an ongoing forum for manufacturers of farm and industrial equipment to work together in order to have an effective voice in decisions affecting their products, their companies, their industries, and the economic well-being of their customers.

Standardization Activities FIEI is not a standards development organization. Committees of the Institute utilize industry expertise to develop proposals which are submitted to engineering standards organizations for consideration as possible voluntary standards. Almost all FIEI standards proposals are submitted to the American Society of Agricultural Engineers, the Society of Automotive Engineers, and (indirectly) to the American National Standards Institute and the International Organization for Standardization.

Formerly National Association of Agricultural Implement and Vehicle Manufacturers
National Association of Farm Equipment Manufacturers (1933) Farm Equipment Institute (1965)

Keywords farm equipment; agricultural equipment; industrial equipment; construction equipment; agriculture; construction;

FEDERATION OF SOCIETIES FOR COATINGS TECHNOLOGY

Frank J. Borrelle, Executive Vice President
1315 Walnut Street
Suite 832
Philadelphia, Pennsylvania
(215) 545-1506
Founded: 1922

Type of Organization Technical Society
Works through other organizations to develop standards

Representation Many members are engaged in standardization activities with ASTM.

Scope A technical, professional society of the coatings manufacturing industry. Objectives are to provide and collect scientific, practical, and technical information on the development, manufacture, and use of coatings and printing inks, to encourage scientific and technical educational activities and to promote efforts to improve coatings products and their manufacture. Membership numbers 7,000 and more than 1000 manufacturers are represented.

Standardization Activities Cooperates with ASTM on coatings-related standards.

Formerly Federation of Paint and Varnish Production Clubs

Keywords paint; coatings; inks; materials;

FELT MANUFACTURERS COUNCIL OF NORTHERN TEXTILE ASSOCIATION

Karl Spilhaus, President
211 Congress Street
Boston, Massachusetts 02110
(617) 542-8220
Founded: 1915

Type of Organization Trade Association
Standards Developer

Standards Designations	FS14-68/71
Scope	Represents over 80 percent of the pressed felt industry of the United States. Part of Northern Textile Association since 1961.
Standardization Activities	<p>Actively engaged in the establishment, review, revision, and promulgation of physical and chemical specification requirements for standard types of wool felt in both roll and sheet form. The currently active specification is Wool Felt Standard Specification, FS14-68/71.</p> <p>In addition to counseling Federal agencies and engineering societies, such as the American Society for Testing and Materials and Society of Automotive Engineers, on their wool felt specifications, provides new technical information and papers covering additional wool felt performance characteristics which have not yet reached specification requirement status.</p>
Availability	Distributed directly
Formerly	Felt Association of New York City
Keywords	felt; textiles; materials;

FERTILIZER INSTITUTE

Ford B. West, Assistant Vice President, Member Services

1015 18th Street NW.
Washington, D.C. 20036
(202) 861-4960

Telex: 89-2699

Founded: 1970

Standards Staff: 1

Type of Organization	Trade Association Works through other organizations to develop standards
Secretariats	<p>Co-Secretariat, ANSI K61.1 Safety Requirement for the Storage and Handling of Anhydrous Ammonia</p> <p>U.S. Technical Advisory Group to ISO/TC 134 Fertilizers and Soil Conditioners</p>
Scope	Supports standardization through simplification of Federal and state fertilizer regulatory laws, as well as chemical analytical methods. Also involved in safety standards activities at state and Federal levels.
Standardization Activities	<p>Aims to increase the accuracy and precision of the chemical analysis of fertilizers, and to prevent accidents and injury by means of education and safety practices.</p> <p>supports the enactment of state uniform fertilizer laws as recommended by the Association of American Plant Food Control officials. Supports standardization of reporting and publication forms used in various states and counties to record the consumption of fertilizers by material and grade on an annual, semi-annual, quarterly, or monthly basis.</p>
Formerly	National Plant Food Institute Agricultural Nitrogen Institute
Keywords	anhydrous ammonia; fertilizer; agriculture;

FIBRE BOX ASSOCIATION

Thomas J. Muldoon, Executive Vice President

5725 North East River Road
Chicago, Illinois 60631
(312) 693-9600

Founded: 1940

Type of Organization

Trade Association
Standards Developer

Scope

A nonprofit trade association representing manufacturers of corrugated and solid fibreboard. Aims to promote the industry's general welfare; to represent members before appropriate Government, transportation, industrial, or other agencies; to compile and disseminate statistical information; and to develop data useful to its members in marketing their products.

Standardization Activities

Holds membership in the International Corrugated Case Association and participates in pertinent activities of the American National Standards Institute and the International Organization for Standardization. Advises Federal Government bodies preparing standards and specifications involving corrugated and solid fibreboard, particularly the General Services Administration.

In conjunction with the Packaging Machinery Manufacturers' Institute, it has issued five joint voluntary standards and one recommended practices bulletin, referenced in the FBA Handbook.

Availability

Distributed directly

Keywords

cardboard; box; corrugated board; fiberboard; packaging;

FINANCIAL ACCOUNTING STANDARDS BOARD

Paul A. Pacter, Executive Director
Financial Accounting Foundation

High Ridge Park
Stamford, Connecticut 06905
(203) 329-8401

Telex: 996413 FASB STD

Founded: 1973

Type of Organization

Standards Developer

Standards Development

74 statements
37 interpretations

Standards Designation

FASB Statement

Government Adoption

Securities and Exchange Commission
Rules of Conduct of American Institute of CPAs

Scope

Independent, nonprofit organization. Sponsored jointly by American Institute of CPAs, Financial Executives Institute, Financial Analysts Federation, National Association of Accountants, American Accounting Association, Securities Industry Association; issues statements, interpretations, technical bulletins, concepts statements; follows "due process" procedures that include task forces of experts, issues papers, public hearings, exposure drafts.

Standardization Activities	<p>Develops standards that govern the general purpose financial reports published by business corporations and other organizations. These standards form the base of "generally accepted accounting principles."</p> <p>Follows due process procedures designed to ensure broad public participation at each stage in the standard-setting process. Board meetings and deliberations are open for public observation.</p> <p>Has an Advisory Council of 40 persons to advise on agenda projects, priorities, and technical solutions to accounting issues.</p>
Availability	Distributed by the Financial Accounting Foundation
Keywords	accounting; financial reporting; finance; data processing;

FINE HARDWOODS-AMERICAN WALNUT ASSOCIATION

	<p>Larry R. Frye, Executive Director</p> <p>5603 West Raymond Suite 0 Indianapolis, Indiana 46241 (317) 244-3311</p> <p>Founded: 1914</p>
Type of Organization	<p>Trade Association</p> <p>Works through other organizations to develop standards</p>
Standardization Activities	<p>Cooperates in the development of grade rules for walnut lumber which are published by the National Hardwood Lumber Association. Also cooperates with the Hardwood Plywood Manufacturers Association in its Rules for Measurement and Inspection of Veneers and Plywood. These grade rules are in general use both in the United States and foreign countries.</p>
Formerly	Merged with Fine Hardwoods Association (1971)
Keywords	wood; hardwood; timber;

FIR AND HEMLUCK DOOR ASSOCIATION

	<p>Robert H. Hunt, Executive Secretary</p> <p>Yeon Building Portland, Oregon 97204 (503) 3930</p> <p>Founded: 1965</p>
Type of Organization	<p>Trade Association</p> <p>Standards Developer</p>
Standards Development	<p>Standards developer since 1972</p> <p>Draft standards available for review</p>
Standards Designation	<p>Industry Standard FHDA/7-79</p> <p>FHDA Security Standard-1</p>
Scope	<p>Represents major fir and hemlock panel door manufacturers. Its standards used nationally as the principal use and specification document.</p>

Standardization Activities A Commercial Standards Committee fosters and protects the interests of consumers in the use of fir and hemlock panel doors. Cooperates with the U.S. Department of Commerce, National Bureau of Standards and other government and private agencies.

Availability Available directly

Keywords wood products; building;

FLAT GLASS MARKETING ASSOCIATION

William J. Birch, Executive Vice President

White Lakes Professional Building
3310 Harrison Street
Topeka, Kansas 66611
(913) 266-7013

Founded: 1949

Type of Organization Trade Association
Standards Developer

Scope Independent glass distributors and contractors using flat glass products including plate, window, building, and industrial glass. Disseminates industry information and sponsors educational courses.

Standardization Activities Publishes a Glazing Manual and a Sealant Manual which are reference guides for proper glazing techniques for all types of glass. Includes new design concepts, glazing methods, and advanced glass products. Used by architects, engineers, contractors, and glaziers worldwide.

Availability Distributed directly

Formerly Flat Glass Jobbers Association (1969)

Keywords glazing; glass; materials; building;

FLEXIBLE PACKAGING ASSOCIATION

Sharon Edward Weary, Director of Technology and Data

1090 Vermont Avenue
Washington, D.C. 20005
(202) 842-3880

Founded: 1950

Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development Developer of voluntary specifications for flexible packaging material
28 active standards for cellophane, polyethylene, polyester, and laminated and coated products

Scope Suppliers of film, adhesives, printing inks, and converting machinery. Services include government relations, technical information, and membership.

Standardization Activities Continuous review of industry's need for voluntary regulations. Specifications often serve as the basis for agreement between a converter or supplier and their customers (end-users). Specifications recognized as equal to those of ASTM (American Society

for Testing and Materials) and TAPPI (Technical Association of the Pulp and Paper Industry). Works toward eliminating duplication of effort although some overlap is required.

Availability Sold directly

Formerly National Flexible Packaging Association

Keywords packaging; plastic film; cellophane; polyethylene; printing; polyester; laminating; bags; aseptic packaging;

FLIGHT SAFETY FOUNDATION

John H. Enders, President

5510 Columbia Pike
Suite 303
Arlington, Virginia 22204
(703) 820-2777

Founded: 1945

Type of Organization Nonprofit Foundation for safety information exchange
Works through other organizations to develop standards

Scope Fosters the exchange of safety ideas and information to enable government and industry worldwide to continually upgrade safety standards and practice.

Standardization Activities Acts through consultation, committee participation, publications, workshops, and regional and international seminars.

Keywords flight safety; safety; aviation; transportation;

FLUID CONTROLS INSTITUTE

Eric A. Bianchi, Executive Secretary

P.O. Box 3854
Tequesta, Florida
(305) 746-6466

Founded: 1921

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1955
100 member companies participate in standards development through product sections
18 published standards
4 processed through ANSI

Standards Designation FCI or ANSI/FCI prefixes

Certification No certification, qualification, or accreditation programs

Scope A nonprofit association of manufacturers of devices for fluid control and fluid conditioning. Includes pressure, temperature, and volumetric regulators; modulating service control valves; solenoid valves; steam traps; fluid clarification equipment such as strainers, separators and filters; silent check valves; pressure and temperature gauges; process control switches and related equipment.

Standardization Activities Develops, promotes, and adopts standards. Holds membership in the American National Standards Institute; maintains liaison with International Organization for Standardization and the International Electrotechnical Committee. Works with Instrument Society of America, National Fluid Power Association, and Scientific Apparatus Manufacturers Association on domestic standards.

Availability Distributed directly and through ANSI

Formerly National Association of Steam and Fluid Specialty Manufacturers (1941)
National Steam Specialty Club (1956)

Keywords gauges; regulators; valves; fluid controls; instruments; industrial equipment;

FOOD PROCESSING MACHINERY AND SUPPLIES ASSOCIATION

W. Dewey Clower, President

1828 L Street NW.
Washington, D.C. 20036
(202) 833-1790

Founded: 1885

Type of Organization Trade Association
Works through other organizations to develop standards

Scope Firms manufacturing machinery and providing services and supplies for the canning, freezing, and food processing industry.

Standardization Activities A Technical and Sanitation Committee is responsible for the administration of activities in cooperation with associations dealing with the establishment of standards of materials used in the production, preparation, processing, and packaging of foods and other products which are packaged in glass, metal, fibre, and/or plastic. Cooperates with the National Canners' Association and the Can Manufacturers' Institute in the standardization of sizes of tin cans and with the Glass Container Association of America in developing standard sizes of glass containers.

Formerly Canning Machinery and Supplies Association

Keywords canning; food processing; packaging;

FORGING INDUSTRY ASSOCIATION

Alexander G. Clarke, Director of Engineering
Technical and Management Services

1121 Illuminating Building
55 Public Square
Cleveland, Ohio 44113
(216) 781-6260

Telex: 980101 WUPUB TLX CLV

Founded: 1913 Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development Four standards on allowances and tolerances for forgings and rolled rings.

Representation Fifteen members are active in FIA standardization including representatives on standards committees of ANSI, ASME, NFPA, National Safety Council, and others.

Secretariats ANSI B24.1-1971 (R1975) Safety Requirements for Forging

Scope A nonprofit corporation composed of U.S. and Canadian producers of forgings and producers of raw materials, equipment or major equipment components commonly used in the forging industry.

Standardization Activities Works within the voluntary standards system to coordinate forging industry safety and product standards and acts as the industry voice. Represents the industry to standards-developing organizations such as ANSI, ASME, NFPA and NSC. FIA is also represented by members on the American National Standards Committee B11 Machine Tools and Related Equipment; ANSI A10.14 - Individual Equipment for Protection Against Falling; ANSI Z16 - Standardization of Methods of Recording and Compiling Accident Statistics; ANSI Z137 - Hearing Protection Devices; ANSI B30-Safety Standards for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks and Slings; and National Fire Protection Association 86-Ovens and Furnaces.

Publishes Guidelines for Tolerances for Hot Forged Impression Die Forgings; Hammer, Press and Upsetter; Tolerances for Precision Aluminum Forgings; and Allowances and Tolerances for Seamless Rolled Rings.

Formerly American Drop Forging Association (1935)
Drop Forging Association (1965)
Open Die Forging Institute Absorbed (1982)
Canadian Forging Association Absorbed (1983)

Keywords forging; rolled rings; machinery; materials;

FRAGRANCE MATERIALS ASSOCIATION

J. Dudley Waldner, President

60 East 42nd Street
New York, New York 10017
(202) 452-1300

Founded: 1927

Type of Organization Scientific Society
Standards Developer

Standards Development 300 specifications
20 test methods
None processed through ANSI

Scope A trade association which services the interests of processors, importers, and dealers in essential oils and synthetic chemicals.

Standardization Activities Maintains a Scientific Section which has developed 300 specifications with 20 test methods to determine the constituents in natural oils in order to produce them synthetically. These are incorporated in the internationally accepted volume, EOA (Essential Oil Association) Standards and Specifications. This work has enhanced the professional stature of the industry, and has upgraded increasing number of new products. This service to large-scale users fills a need not covered previously by the United States Pharmacopeia (USP) and the National Formulary (NF).

The Instrumental Analysis Committee evaluates new spectroscopic development, as well as the more recently introduced Gas Liquid

Chromatography, in analytical techniques as an aid to research and quality control.

Availability Distributed directly

Formerly Essential Oil Association of U.S.A., Inc.

Keywords essential oils; essences; materials; testing;

FRICTION MATERIALS STANDARDS INSTITUTE

Edward W. Drislane, Executive Director

Bergen Mall Office Center
East 210 Route 4
Paramus, New Jersey 07652
(201) 845-0440

Founded: 1949 Standards Staff: 1

Type of Organization Trade Association
Works through other organizations to develop standards

Scope An association of worldwide manufacturers of friction materials (brake linings, brake blocks, and clutch facings). Members represent over 80% of United States manufacturers of friction materials.

Standardization Activities Standardization activities, administered by the Data Book and Technical Committee, comprise 25% of the total program. Issues catalogs using a standard numbering system for all current automotive brake linings, brake shoes, and clutch facings. A copyrighted numbering system is authorized for use by the institute, its members and their customers. FMSI's standard numbering system is worldwide in scope. Publishes the Automotive Data Book.

Formerly Brake Lining Manufacturers Association (BLMA)

Keywords materials; brake linings; automotive; machinery; clutch facings;

GARAGE DOOR COUNCIL

Frank S. Fitzgerald, CAE, President

3950 Lake Shore Drive
Chicago, Illinois 60613
(312) 525-2644

Founded: 1982 Standards Staff: 1

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A coalition of four trade association -- Door and Operator Dealers of America, Door Operator and Remote Controls Manufacturers Association, National Association of Garage Door Manufacturers, and the Far Western Garage Door Association -- organized to educate the public on garage door feature, selection, operation, maintenance servicing, and safety.

Standardization Activities Member associations work through ANSI, UL and others to promote standards in the garage door industry.

Keywords garage doors; building;

GAS APPLIANCE MANUFACTURERS ASSOCIATION

Harry A. Paynter, President

1901 North Fort Myer Drive
Arlington, Virginia 22209
(703) 525-9565

Telex: 899474 GAMA AGTN

Founded: 1936

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Two hundred representatives of member firms active in 50 standards committees of ANSI, ASTM, ASHRAE, ASME, NFPA, and others.
Certification	GAMA operates programs which randomly select gas and oil furnaces and boilers, and gas, oil, electric, and heat pump water heaters from participating members and tests them in accordance with DOE efficiency test procedures at ETL Testing Laboratories, Inc. to verify the manufacturers' established efficiency ratings which are published semiannually.
Secretariats	Administrator of U.S. Technical Advisory Group for ISO/TC 161 on gas controls and TC 116 on space heating equipment. Convener of Working Group 1 of ISO/TC 161.
Scope	A trade association for 200 manufacturers of residential, commercial, and industrial gas appliances and equipment; gas, electric, heat pump, and oil water heaters; gas- and oil-fired central furnaces; and equipment used in the production, transmission, and distribution of natural gas.
Standardization Activities	Works through the national standards promulgation procedures of other groups and organizations to develop and maintain 80 standards. In this manner, a high quality of manufacturers' input has been provided in the development and constant maintenance of standards for gas appliances and equipment which have been recognized as American National Standards by the American National Standards Institute. Cooperates with Government agencies such as the Department of Commerce, Department of Energy, Consumer Product Safety Commission, Federal Housing Administration, Federal Trade Commission and General Services Administration.
Keywords	gas appliance; furnaces; water heaters; gas transmission equipment; energy; building; consumer products; industrial equipment;

GAS PROCESSORS ASSOCIATION

Ronald E. Cannon, Executive Director

1812 First Place
Tulsa, Oklahoma 74103
(918) 582-5112
Founded: 1921

Telex: 910-845-2191
Standards Staff: 8

Type of Organization	Trade Association Standards Developer
Standards Designation	Standards; Technical Publication TP; Research Reports RR
Secretariats	ASTM Technical Division H of Committee D-2 on Petroleum Products and Lubricants ISO/TC 28/SC4/WG8 on LP-Gas Specifications

Scope	An international trade association of 250 member companies that produce and process natural gas, or engage in processing, transport, storage, or marketing of natural gas liquids. Six technical subcommittees prepare and maintain industry standards applicable to the gas processing industry. Standards include plant design and analytical procedures for natural gas and gas liquids.
Standardization Activities	Develops and maintains product specifications for natural gas liquids (ethane, propane, butane, natural gasoline), principally for large inter-company industrial custody transfer. Specifications require and include industry standards for gas and liquid measurement, gas and liquid analysis, storage facilities, and physical property data. Also maintains specifications for the consumer products LP-Gas (commercial propane and commercial butane). A continuing research program is directed toward development of measurement data and thermodynamic properties of natural gas and gas liquid mixtures.
Availability	Sold directly and through IHS
Formerly	Natural Gas Processors Association (1944)
Keywords	liquefied gas; natural gas; energy; consumer products;

GEMOLOGICAL INSTITUTE OF AMERICA

Glenn Nord, President

1660 Stewart Street
Santa Monica, California 90406
(213) 829-2991

Founded: 1931

Type of Organization	Trade Association Standards Developer
Standards Designations	Diamond Quality Standards
Certification	Grading reports issued by GIA's Gem Trade Laboratories are referred to as Diamond Quality Reports, although in the jewelry industry they are most often called certificates.
Scope	Promotes the jewelry trade, serves the needs and professional interests of members, and upgrades skills through educational programs in the identification and quality analysis of gemstones and pearls, jewelry making and repair, retailing and store management. Maintains gem testing and research laboratories and develops testing and grading equipment.
Standardization Activities	Key elements of the Institute's education program are standard grading systems developed by the Institute to evaluate and appraise diamonds and colored stones. Standards for quality analysis and grading were first established for polished diamonds in 1953. Currently a set of standards are nearing completion for colored stone quality determination. As a result of the Institute's education program, the Diamond Quality Standards are in common use worldwide. It is anticipated that the colored stone grading standards will not be adopted as quickly or universally.
Keywords	diamonds; jewelry; quality; grading; testing; consumer products;

GENERAL AVIATION MANUFACTURERS ASSOCIATION

Stanley J. Green, Vice President

1100 K Street NW.
Suite 801
Washington, D.C. 20005
(202) 393-1500

Telex: (202) 842-4063

Founded: 1970

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1974
Five active standards
None processed through ANSI
Draft standards not available for review

Standards Designations

GAMA Specifications

Standards developed to date are -
Aerofiche Specification for the Civil Aviation Industry;
Specification for Pilot's Operating Handbook;
Manufacturers Maintenance Data;
Specification for Decal to Minimize the Misfueling of General Aviation Aircraft; and
Specification for Tape to Mark Fueling Nozzles.

Government Adoption

The FAA accepts compliance with GAMA specifications in lieu of its own standards or regulations or as an acceptable means of meeting FAA regulations.

Scope

A national trade association representing U.S. manufacturers engaged in the research, development, and manufacture of general aviation aircraft, aircraft engines, avionics, and component parts of general aviation aircraft.

Standardization Activities

Directed toward meeting industry needs with respect to dissemination of operating or maintenance information, or to government certification requirements. In the case of standards developed to fulfill government requirements, FAA participates in the development and approval of the standards. Standards have been used worldwide by aircraft manufacturers in order to meet FAA's requirements without the need to develop individual means of compliance. Monitors the activities of other standards developing organizations, including RTCA, SAE, ASTM, and the ISO.

Availability

Distributed directly and through NSA

Keywords

aviation; avionics; transportation;

GLASS PACKAGING INSTITUTE

William W. Sadd, President and General Manager

6845 Elm Street
McLean, Virginia 22101
(703) 790-0800

Founded: 1945

Type of Organization

Trade Association
Standards Developer

Scope

Represents the manufacturers of glass containers and closures producing 90 percent of the United States output. Promotes the

continued growth and acceptance of glass containers as desirable, competitive packages of beverages, foods, and other commodities.

**Standardization
Activities**

Maintains a Technical Committee augmented by specific subcommittees and task groups. This committee meets regularly with qualified specialists from participating firms to review and investigate unique technical problems developing in the industry. Participated in the development of the Department of Commerce, Voluntary Product Standard for Carbonated Soft Drink Bottles (PS 73-77), which covers major considerations in the manufacture and control of containers for carbonated soft drinks.

Keywords

packaging; glass containers;

GLASS TEMPERING ASSOCIATION

William J. Birch, Executive Director

White Lakes Professional Building
3310 Harrison Street
Topeka, Kansas 66611
(913) 266-7064
Founded: 1958

**Type of
Organization**

Technical Society
Standards Developer

Scope

A nonprofit organization of firms engaged in tempering glass.

**Standardization
Activities**

Develops specifications, standards, and testing procedures for a variety of tempered glass products.

Technical committees are involved in Standards and Engineering, Appliance Specifications, Construction Specifications, Spandrel Specifications and Consumer Safety Glazing Legislation. Publishes the Engineering and Standards Manual.

Availability

Distributed directly

Keywords

glass tempering; tempered glass; materials; building;

GOLD INSTITUTE

Richard L. Davies, Managing Director

1001 Connecticut Avenue NW., Suite 1140
Washington, D.C. 20036
(202) 331-1227 Telex: 904233

Founded: 1976

Standards Staff: 1

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Designations**

Unified Number Designations

Certification

No certification programs; supplier self certification

Secretariats

ASTM Committee B-2, Section on Unified Numbering System Designations for Precious Metals

Scope

An international trade association of miners, refiners, fabricators, and bullion dealers. Extends the market for the use of gold through publications, seminars, joint symposiums with technical organizations, and trade shows.

Standardization Activities Develons standard alloy designations for gold alloys for Unified Numbering; System for Metals and Alloys issued by the Society of Automotive Engineers (SAE) and the American Society for Testing and Materials (ASTM).

Availability Distributed directly and through ASTM and SAE

Keywords gold; precious metals; bullion; alloys; materials;

GRAIN ELEVATOR AND PROCESSING SOCIETY

John J. Healy, Executive Vice President

400 South 4th Street, Room 1015
P.O. Box 15024 Commerce Station
Minneapolis, Minnesota 55415
(612)339-4625

Founded: 1930

Standards Staff: 3

Type of Organization Trade Association
Works through other organizations to develop standards

Scope An international association of individuals working directly with grain handling, operations or processing, or individuals providing products and services to the grain handling and processing industries. Promotes individual professionalism and fellowship, and safe, efficient operations within the grain and processing industries.

Standardization Activities Promotes safe, efficient, cost-effective regulations in the grain handling and processing industries.

Not a standards developer but works through volunteer committees formed both by GEAPS and other grain industry associations.

Committees working with standards and regulatory agencies are the Loss Prevention Committee and Grades and Weights Committee. The Loss Prevention Committee works with and monitors the activities of the Occupational Safety and Health Administration. The Grades and Weights Committee works with the Federal Grain Inspection Service. Standards relating to air and water quality, use of respiratory equipment, noise levels, equipment maintenance, emergency procedures, safety, and air transportation are also monitored.

Formerly Society of Grain Elevator Superintendents

Keywords grain; milling; agriculture; safety;

GRAPHIC COMMUNICATIONS ASSOCIATION

Norman W. Scharpf, President

1730 North Lynn Street, Suite 604
Arlington, Virginia 22209

Founded: 1966

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1976
Five member committees plus staff participate in standards activities

	Three active standards or recommended specifications One being processed through ISO Draft standards available for review
Standards Designation	GCA Standard; recommended specifications
Government Adoption	Department of Defense, Internal Revenue Service, and others have adopted GCA standards.
Certification	No certification, qualification, or accreditation programs
Scope	An international membership association of printers, publishers, suppliers, and related industry firms dedicated to advancing the application of electronic technologies and modern management techniques in the graphic communications industry.
Standardization Activities	Develops standards and specifications for text processing and textual data base identification; specifications for computer preparation of publications mailing labels; structures for magnetic tape transmittal of name and address information for printing and publishing applications; production specifications for web offset publications; operation codes for the pressroom; computer protocols for various functional areas. Works with the industry Specifications Committee for Web Offset Publications, and takes a membership role in ANSI X3J6, X3V1 and related task groups.
Availability	Distributed directly and through PIA (Printing Industries of America, Inc.)
Formerly	Graphic Communications Computer Association; PIA Computer Section
Keywords	printing; computers; text; mailing; information processing; communications;

GRAVURE TECHNICAL ASSOCIATION

	Sarita Gansler, Editor 60 East 42nd Street Suite 1545 New York, New York 10165 (212) 661-8936 Founded: 1949
Type of Organization	Trade Association Standards Developer
Scope	Association of printing firms using the gravure printing process. Promotes quality printed products through the cooperation of publisher, printer, engraver, supplier, and advertising agency.
Standardization Activities	Develops standards to cover every facet of printing including input, proofing and packaging. Standards are produced through a network of councils and subcommittees on a voluntary basis. Two hundred and seventy member firms observe GTA standards in publication, packaging and specialty gravure.
Availability	Distributed directly
Keywords	printing; ink; paper; photomechanical printing; communications;

GRINDING WHEEL INSTITUTE

Allen P. Wherry, Manager

14600 Detroit Avenue
712 Lakewood Center North
Cleveland, Ohio 44107

Telex: 98-5559

Founded: 1914

Standards Staff: 3

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

Standards developer since 1914

Secretariats

Accredited Standards Committee B7 on Use, Care, and Protection of
Abrasive Wheels
Accredited Standards Committee B74 on Abrasives

Scope

Manufacturers of wheels, stones, and other bonded abrasive products for grinding, sharpening, and polishing.

**Standardization
Activities**

Carried on by the Standards and the Safety Committees. Work of the Standards Committee deals with simplification matters. Initiated program for simplification of sizes of grinding wheels. Assists in the development of American National Standards covering the products of the industry, these include:

B74 - The development of identification and dimensional standards and standard test methods for bonded, coated, and loose abrasives in the natural and manufactured categories.

B7 - Specifications for safety in the use of bonded, coated, and loose abrasives, excluding natural sandstones; including safety requirements for abrasive products, abrasive machines and accessories, and requirements for the proper storage, handling, and mounting of abrasive products.

Also participates in international standardization work with the International Standardization Organization (ISO) and the Federation of European Producers of Abrasives (FEPA).

Availability

Distributed directly and through ANSI

Formerly

Grinding Wheel Manufacturers Association (1948)

Keywords

abrasive wheels; grinding wheels; abrasives; abrasive grain; diamond abrasives; machinery;

GUMMED INDUSTRIES ASSOCIATION

Robert W. McKellar, Managing Director

380 North Broadway
Jericho, New York 11753
(516) 822-8948

Founded: 1920

Standards Staff: 2

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

Product and Test Procedure Standards developer since 1950
30 members and associate members participating in standards activities

8 active standards
None processed through ANSI
Draft standards available for review

Certification Annual testing of participating members' products. Compliance Seal.

Scope A national trade association representing U.S. companies engaged in the manufacture of water-activated gummed carton and box sealing tapes. Major suppliers of raw materials and dispensing and application equipment also participate actively in all phases of the association's programs.

Standardization Activities Develops standardized test procedures for adhesiveness, tensile, tear resistance, basis weight, and related characteristics. Develops and publishes Voluntary Product Standards designed to provide end users of gummed tape products with scientific data relating to the differences between a wide range of specific tape grades.

Availability Sold directly and through members

Keywords sealing tapes; gummed tapes; tape equipment; packaging;

GYPSUM ASSOCIATION

R. W. Grove, Office Manager
1603 Orrington Avenue, Suite 1210
Evanston, Illinois 60201
(312) 491-1744

Founded: 1930

Type of Organization Trade Association
Standards Developer

Standards Designation GA prefix

Scope Promotes the use of gypsum and gypsum products. Conducts technical research programs in fire, sound, and structural testing of gypsum products and related accessories. Contributes to building codes through education in the application and uses of gypsum products, and to the life-safety aspects of fire protection by providing advisory services in the interests of the industry and users of its products.

Standardization Activities Maintains committees in the areas of Building Codes, Manufacturing and Mining, Promotion, Safety, and Technical. GA-216, Recommended Specifications for the Application and Finishing of Gypsum Board and GA-600, Fire Resistance Design Manual. Contributions are made to Federal standards published by the Department of Housing and Urban Development; Department of Health, Education and Welfare; General Services Administration, OSHA, EPA, Bureau of Mines, NBS, and Department of Defense.

Availability Distributed directly

Keywords gypsum; construction; materials;

HACK AND BAND SAW MANUFACTURERS ASSOCIATION OF AMERICA

Charles M. Stockinger, Secretary/Treasurer

1230 Keith Building
Cleveland, Ohio 44115
(215) 241-7333

Telex: 980393

Founded: 1959

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1920
Two active standards

Standards Designation

ANSI prefix

Scope

A trade association consisting of 13 United States manufacturers of hack and band saw blades. Promotes common business interests of the industry.

Standardization Activities

Has been active in the standardization of hack saw blade sizes and band saws. Currently active on ASME B94 TC 19 Standardization Committee for Hack, Band, and Hole Saws, and on ISO/TC 29 WG 15, Band Saws. Continuously reviews and recommends changes in standards due to rapid addition of new blades and applications in the market place. Currently working with machine manufacturers for band saw length standardization.

Availability

Distributed directly and through ANSI

Formerly

Merged Hack Saw Association and Metal Cutting Band Saw Association (1959)

Keywords

cutting; saws; manufacturing;

HAND TOOLS INSTITUTE

Edward T. McGlynn, Executive Director

25 North Broadway
Tarrytown, New York 10591
(914) 332-0040
Founded: 1935

Type of Organization

Trade Association
Standards Developer

Standards Development

65 members participate in standards development
25 active standards
Processed through ANSI

Standards Designations

ANSI B107.x

Scope

Promotes and furthers the interests of its members relative to manufacturing, safety, standardization, international trade, and government relations. Provides a broad spectrum of educational subjects of industry interest, such as statistical and marketing surveys. Educates the hand tool user on the safe and proper use of hand tools.

Standardization Activities

Develops and advances standards dealing with performance, design and safety. Representatives serve on U.S. TAGs to ISO standards committee.

Availability Distributed directly and through ANSI
Formerly Service Tools Institute
Keywords tools; industrial equipment; consumer products;

HARDWOOD DIMENSION MANUFACTURERS ASSOCIATION

J. Edgar Kennedy, Managing Director

2002 Richard Jones Road
 Box 15721
 Nashville, Tennessee 37215
 (615) 269-3254

Founded: 1930

Type of Organization Trade Association
 Standards Developer

Standards Development Standards developer since 1930
 All members participate in standards development

Standards Designation HDMA Grading Rules

Government Adoption National Bureau of Standards recognizes HDMA Grading Rules as the Official Rules for the industry.

Certification The producers of this industry may, individually or in cooperation with the association, issue guarantee certificates of classification (HDMA Certificate of Origin) for specific shipments, or grade and trademark, or each piece or bundle as conforming to the HDMA grading rules.

Scope Objectives are to write grading rules and standards for the industry; conduct and stimulate trade promotion activities; and to encourage educational plant tours and seminars that promote free exchange of manufacturing techniques and ideas in the industry and among its members.

Standardization Activities Cooperates with all lumber, furniture, and wood using manufacturers in bringing about standardization programs on grading rules for hardwood dimension parts. Publishes the Rules for Measurement and Inspection of Hardwood Dimension Parts, Rules for Measurement and Inspection of Hardwood Interior Trim and Moldings, and Rules for Measurement and Inspection of Hardwood Stair Treads and Risers which are listed in the catalog of the National Lumber Manufacturers Association (National Forest Products Association). These grading rules are considered national in scope.

Availability Sold directly

Keywords wood products; trim; stairs; furniture; woodwork; moulding; inspection; grading rules; building;

HARDWOOD LUMBER MANUFACTURERS OF PENNSYLVANIA

B. T. Dempsey, President

512 West Maple Avenue, Room 210
 Vienna, Virginia 22180
 (703) 281-6644

Type of Organization Trade Association
 Works through other organizations to develop standards

Scope Nonprofit organization of manufacturers of lumber in the Commonwealth of Pennsylvania.

Standardization Activities Cooperates with other organizations and government and regulatory agencies to maintain the quality of lumber products throughout the industry. Offers training courses in the grading of lumber. Works closely with the saw mills to maintain standards.

Keywords lumber; wood products; construction;

HARDWOOD PLYWOOD MANUFACTURERS ASSOCIATION

Clark E. McDonald, President

1825 Michael Faraday Drive, Box 2789
Reston, Virginia 22090
(703) 435-2900
Founded: 1921

Standards Staff: 4

Type of Organization Trade Association
Standards Developer

Certification HPMa has inspection, testing, and certifying programs for glue bond, structural, flamespread, and formaldehyde emissions.

Scope A national trade association for hardwood plywood and veneer manufacturers and prefinishers of hardwood plywood. Functions on a national and international level representing its membership at United Nations Food and Agriculture Organization (UN FAO) Wood Based Panel Product Meetings and Asian plywood conferences held every two years. Promotes the sale and use of hardwood plywood.

Standardization Activities Publishes the American National Standard for Laminated Hardwood Flooring, ANSI/HPMA LHF 1982; as well as HP-SG-82, Structural Design Guide for Hardwood Plywood; CB-SG-73, Design Guide for Wood Composition Board Panels; and GP-RUD-73, Recommended Use Document for Two-Ply Panels for Gussets. Currently converting the U.S. Department of Commerce Product Standard PS51-71, Hardwood and Decorative Plywood, to an ANSI standard for hardwood plywood. Cooperates with all government agencies to write federal and military specifications which affect hardwood plywood, veneer, and flooring.

Reviews the U.S. Department of Housing and Urban Development's Minimum Property Standards for One- and Two-Family Dwellings, Multi-Family Dwellings, and Care-Type Housing with reference to hardwood plywood products.

Availability Distributed directly

Formerly Hardwood Plywood Institute

Keywords hardwood plywood; veneer; paneling; flooring; construction; building; wood products;

HEALTH INDUSTRY MANUFACTURERS ASSOCIATION

R. G. Flaherty, Director of Diagnostic Standards

1030 15th Street NW., Suite 1100
Washington, D.C. 20005

Founded: 1903

Type of Organization Trade Association
Works through other organizations to develop standards

Secretariats U.S. Technical Advisory Groups for ISO/TC 173/SC3 and TC 84

Scope 290 manufacturers of medical devices and in vitro diagnostics. Focuses on legislative and regulatory activities affecting the industry.

Standardization Activities Works through other organizations to ensure that member views are represented on policy issues related to voluntary and regulatory standards. Cooperates with AAMI, ASTM, NCCLS, and other organizations.

Keywords health; medical equipment; diagnostic products;

HEALTH PHYSICS SOCIETY

Richard J. Burk, Executive Secretary
1340 Old Chain Bridge Road, Suite 300
McLean, Virginia 22101
(301) 654-3080

Founded: 1956

Type of Organization Professional Society
Standards Developer

Standards Development Standards developer since 1956
100 members participate in standards activities
17 active standards
10 in development stage
All processed through ANSI

Government Adoption Several HPS/N13 standards have been adopted by government agencies, such as the NRC.

Secretariats ANSI N13 Committee on Radiation Protection since 1976

Scope Encourages the development of scientific knowledge and practical means for the protection of man and his environment from the harmful effects of radiation, while encouraging its optimum utilization for the benefit of mankind.

Standardization Activities Standards development directed toward the area of radiation protection including radiation monitoring, air sampling, personnel dosimetry, bioassay, environmental surveillance, and radiation emergency response. Standards are widely used by nuclear facilities, regulatory agencies, research and academic institutions, and medical facilities which participate in their development.

Availability Draft standards distributed directly. Published standards distributed through ANSI.

Keywords dosimetry; radiation; nuclear energy; public health;

HELICOPTER ASSOCIATION INTERNATIONAL

Frank L. Jensen, Jr., Executive Director
1110 Vermont Avenue NW., Suite 430
Washington, D.C. 20005
(202) 466-2420 Telex: 89-615

Founded: 1948

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Federal Aviation Administration, National Transportation Safety Board, National Fire Protection Association, and other national and international organizations developing standards for safety, test, performance, and environment affecting helicopter design or operation.

Certification Participates in development and coordination of certifications promulgated by federal, state, and international authorities.

Scope Nearly 1,000 member companies, including 503 civil helicopter operators in 38 countries. Its 24 committees represent the helicopter industry in federal and state regulatory matters, and provide civil helicopter operator user input in the areas of Federal aviation regulation, heliport development, noise, and related subjects. Develops, promotes, and conducts helicopter safety and management education programs worldwide. Works with the National Transportation Safety Board and the Federal Aviation Administration to identify accident cause factors and trends relating to accident prevention. Publishes periodic Safety Review newsletters.

Standardization Activities Develops, coordinates, and reviews recommended federal, state, and local standards and criteria for heliport and helicopter operations; assists community planners and heliport developers in environmental assessment and analysis of proposed heliports in communities and city business districts; participates in the development of National Fire Protection Association codes involving heliport/helicopter fire protection and crash/rescue services. Develops, coordinates, and recommends to federal, state, and local authorities standards and criteria for the establishment of civil public-use heliports, hospital heliports, off-shore helidecks, private and personal use heliports.

Coordinates emergency medical service planning with national and regional medical authorities, other associations, emergency planners, hospital administrations, helicopter operations, and manufacturers to establish acceptable operational criteria for specific emergency medical service applications.

Formerly Helicopter Association of America (HAA)

Keywords helicopter; heliport; aviation; safety; transportation; emergency medical care;

HOME VENTILATING INSTITUTE

L. A. Barron, P.E., Executive Director

4300-L Lincoln Avenue
Rolling Meadows, Illinois 60008
(312) 359-8160

Founded: 1955

Type of Organization Trade Association
Standards Developer

Government Adoption The HVI label is cited by the Department of Housing and Urban Development, Federal Housing Administration as evidence of compliance with test requirements of the Minimum Property Standards which require that all ventilating equipment be tested and rated according to HVI procedures.

Certification Conducts a program for certified performance standards for residential ventilating devices. HVI certified ratings for air delivery were introduced in 1960 and for sound emission in 1971. All ratings are based on independent tests at Texas A & M University. Products bearing the HVI label must be so certified.

Scope A voluntary organization for manufacturer self-regulation of residential and static ventilating devices.

Standardization Activities Writes recommended practices for manufacturers. Develops certified ratings for air delivery and sound emission related to air change standards for kitchens, bathrooms, and other rooms. Recognized as a quality control agency by the International Conference of Building Officials. Develops standards for space ventilators. Cooperates with the Canadian Standards Association and the International Electrotechnical Commission in developing proposed standards. Standards are available in HVI's guide and annual directory of ratings.

Availability Distributed directly

Keywords ventilating; acoustics;

HUMAN FACTORS SOCIETY

Marian G. Knowles, Executive Administrator

P.O. Box 1369
Santa Monica, California 90406
(213) 394-1811

Founded: 1957

Standards Staff: 1

Type of Organization Professional Society
Standards Developer

Standards Development 100 members active in standards activities
One draft standard available for review

Secretariats U.S. TAG to ISO 159

Scope An interdisciplinary organization of professional people involved in the human factors field. Promotes the discovery, exchange, and application of knowledge concerning the relationship of people to their machines and their environment. Advocates the consideration of operators, maintainers, and users in the design of equipment and facilities. Supports the development of working and living environments that are comfortable and safe.

Standardization Activities Developing a standard on visual display terminal (VDT) workplace design through ANSI Safety and Health Management Board. Works with ANSI, Nuclear Regulatory Commission, and DOD to develop standards.

Availability Sold directly

Keywords human factors; ergonomics; safety; workplace design; office products; public health;

HYDRAULIC INSTITUTE

Allen P. Wherry, Secretary Treasurer

712 Lakewood Center North
14600 Detroit Avenue
Cleveland, Ohio
(216) 226-7700

Telex: 985559 AP WHERRY LKWD

Founded: 1917

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development	Standards developer since 1917 70 member companies participating in standards activities
Certification	No certification, qualification, or accreditation programs
Secretariats	American National Standards Committee B215, Pumps; U.S. TAG for ISO/TC 115
Scope	A nonprofit, national trade association that represents U.S. companies engaged in the manufacture of pumps; dedicated to excellence in engineering, manufacturing, and application of pumping equipment.
Standardization Activities	Publishes standards in the public interest, designed to enhance understanding between the manufacturer and the purchaser, and to assist the purchaser in selecting and obtaining the proper product for his particular need. Cooperates with other organizations, including the American National Standards Institute, the American Society of Mechanical Engineers, the National Electrical Manufacturers Association, and the National Fire Protection Association, in writing standards subject to constant review and revision when necessary. The standards program is based on work performed by Technical Committees specializing in particular types of pumps. The present standards edition is an extensive rework of previous editions with three principal sections: centrifugal, reciprocating, and rotary pumps. Provides information on: classes, types, and nomenclature; ratings; test codes; applications; and installation, operation, and maintenance; and measurement of airborne sound from pumping equipment and construction materials. Also publishes the Engineering Data Book.
Availability	Sold directly
Formerly	Hydraulic Society
Keywords	pumps; fluids; industrial equipment;

HYDRONICS INSTITUTE

John I. Woodworth, Technical Director

35 Russo Place
PO Box 218
Berkeley Heights, New Jersey 07922
(201) 464-8200

Founded: 1915

Standards Staff: 3

Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since 1940
Government Adoption	Equipment performance ratings are specified in Standard Specifications of several Federal and State agencies.
Certification	Equipment rating resulting from tests are certified by the Ratings Committee, and are published in books for general distribution to specifiers. Under new procedures established by DOE and FTC, the Institute tests and certifies the performance of residential boilers as meeting the standards of the regulations. Such certification is provided to municipalities and to users.
Scope	Manufacturers of hydronic (hot water and steam) heating and cooling equipment. Compiles statistics; sponsors educational

programs. Assists government agencies, professional societies, and other trade associations in developing standards for residential and commercial buildings, hot water heating, steam, piping and system design criteria, residential cooling, panel heating, snow melting.

Standardization Activities

Sponsors and funds research programs, the results of which form the basis for developing standards for testing heating boilers, comfort radiation equipment, immersion water heaters, and for establishing their ratings and installation criteria. Performs certification tests as requested for both members and non-members. Performs re-tests on products in manufacturers' stock, chosen at random.

Provides guidance to government agencies at no cost in developing mechanical specifications, energy conservation standards, performance standards.

Formerly

Institute of Boiler & Radiator Manufacturers (1970)
Steel Boiler Institute (1963)
Better Heating-Cooling Council (1970)

Keywords

heating; cooling; boilers, hot water; snow melting; panel heating; building; industrial equipment;

ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA

John E. Kaufman, Technical Director

345 East 47th Street
New York, New York 10017
(212) 705-7916

Founded: 1906

Standards Staff: 2

Type of Organization

Technical Society
Standards Developer

Standards Development

Standards developer since 1915
175 members participating in standards activities
80 active standards
All processed through ANSI

Government Adoption

Portions of several standards have been adopted by OSHA.

Secretariats

ANSI Z311 - Photobiological Safety of Lamps and Lighting Systems

Scope

A technical society devoted to advance the art, science, and practice of illumination by investigation, evaluation, and dissemination of knowledge to consumers, producers, and general interest groups through educational, literary, and scientific means.

Standardization Activities

Maintains 80 technical committees and subcommittees that study and report to its Board of Directors on lighting of all areas, such as airports and aircraft, farms, industrial plants, institutions, offices, public conveyances, residences, schools, service stations and parking areas, sports and recreational areas, stores, streets and highways, theatres and television studios. Other subjects include light sources, lighting and air-conditioning, lighting education programs, lighting progress, lighting maintenance, light control and luminaire design, nomenclature, quality and quantity of light, testing procedures for illumination characteristics, and photobiology. Five reports have become ANSI standards:

ANSI/IES RP-1, Office Lighting
ANSI/IES RP-3, School Lighting
ANSI/IES RP-7, Industrial Lighting
ANSI/IES RP-8, Roadway Lighting
ANSI/IES RP-16, Nomenclature

Availability Distributed directly and through ANSI, IMI, IHS, and Global
Keywords lighting design; illumination; lighting; buildings; public health;

INDIANA LIMESTONE INSTITUTE OF AMERICA

William McDonald, Architectural Service Director

Stone City National Bank Building
Suite 400
Bedford, Indiana 47421
(812) 275-4426

Founded: 1928

Type of Organization Trade Association
Standards Developer

Standards Development 1 active standard

Scope Serves the construction industry, the architectural profession, and the limestone industry as a coordinating agency for the dissemination of accurate, unbiased information on limestone standards, recommended practices, grades, colors, finishes, and all technical data required for specifying, detailing, fabricating, and erecting Indiana limestone. The institute is supported by quarriers, fabricators and associates of Indiana limestone building stone.

Standardization Activities Maintains a Technical Committee responsible for standardization activities. The Indiana Limestone Handbook, the only ILIA standard, is the national standard for the industry. In addition, Government agencies include reference to ILIA, as the standard source for information on Indiana limestone, in their standards and specifications.

Availability Distributed directly

Formerly Absorbed the National Association for Indiana limestone.

Keywords limestone; materials;

INDUSTRIAL DIAMOND ASSOCIATION OF AMERICA

J. Edgar Eubanks, Executive Director

P.O. Box 11187
Columbia, South Carolina 29211
(803) 252-5646

Founded: 1845

Type of Organization Trade Association
Standards Developer

Scope Importers and dealers in industrial diamonds and manufacturers of diamond tools. Conducts research and holds seminars on all facets of industrial diamond usage.

Standardization Activities

Develops standards for industrial diamonds. With the American Society of Manufacturing Engineers, it cosponsors American National Standards Institute (ANSI) Project B-67, Industrial Diamonds and Accessories for Their Use. Through this project, an American National Standard for Diamond Dressing Tools has been developed and approved. With the Grinding Wheel Institute, the association also cosponsors ANSI Project B-74.1, Identification Code for Diamond Wheel Shapes. Other American National Standards to which the association has cooperated include B-74.16, Checking the Size of Diamond Abrasive Grain, and B-74.17, Test for Bulk Density of Diamond Abrasive Grain.

In cooperation with the National Bureau of Standards, the association developed a separate Commercial Standard for grading of diamond powder, known as CS261-63, Grading of Diamond Powder in Sub-Sieve Sizes.

IDAA's Toolmakers Industry Committee revises and updates the Handbook - Diamond Tool Shanks, compiled and published by the association since 1954.

Availability

Distributed directly and through ANSI

Keywords

diamonds; manufacturing; materials;

INDUSTRIAL FABRICS ASSOCIATION INTERNATIONAL

Steve Warner, Operations Director

345 Cedar Building
Suite 450
St. Paul, Minnesota 55102
(612) 222-2508

Founded: 1912

Type of Organization

Trade Association
Standards Developer

Standards Development

Staff members and IFAI members actively participate on committees of ASTM, BOCA, ICBO, ISO, NFPA, FHWA, and USCG.

Scope

A trade association which has 22 product related divisions, ranging from the Architectural Fabric Structures Institute to the Truck Cover Division. Sixteen hundred member firms represent all levels of the industrial fabrics industry including fiber producers, weavers, coaters, finishers, and laminators.

Standardization Activities

The Camping Products Division, in cooperation with the Finishers and Dyers Division, developed a model flammability code for materials used in camping tentage, designated CPAI-84. The Tarpaulin Division has developed CPAI-63, a quality assurance standard for domestic cotton tarpaulins. The Architectural Fabric Structures Institute has developed ASI-77 as a guide to manufacturers, prospective users, architects, and regulatory agencies. This standards sets requirements for the materials, design, construction, and erection of these structures.

IFAI developed CPAI-CLI, which includes standard classifications and test methods for woven coated and/or laminated polyolefins.

CPAI-75 includes rate-of-burn specifications for sleeping bags, and CPAI-79 includes a listing of standard test methods for coated and laminated fabrics. The association is now in the process of developing a standard for the thermal efficiency of window treatment products.

Availability: Sold directly

Formerly Canvas Products Association International

Keywords textiles; tents; tarpaulins; fabric structures; flammability;

INDUSTRIAL FASTENERS INSTITUTE

Richard B. Belford, Managing Director

1050 East Ohio Building
Cleveland, Ohio 44114
(216) 241-1482

Founded: 1931

Type of Organization Trade Association
Standards Developer

Scope An association of North American manufacturers of bolts, nuts, screws, rivets, and all types of special industrial fasteners. Advances fastener technology and application engineering.

Standardization Activities Works cooperatively with national and international technical organizations, developing fastener standards and technical practices assuring users of maximum engineering efficiency and reliability, at minimum cost of assembly. There are more than 500,000 standard and 3,000,000 special sizes, kinds, and shapes of fasteners and engineering components.

Publishes the Fastener Standards Book, a major reference book for users of mechanical fasteners, this is a collection of pertinent standards which documents all types of general purpose commercial industrial fasteners. The standards book is used by design engineers and production managers in all industries.

In 1983, IFI published the second edition of Metric Fastener Standards which presents the internationally agreed upon system of engineering standards for commercial and industrial metric fasteners.

Availability Distributed directly

Formerly American Institute of Bolt, Nut, and Rivet Manufacturers

Keywords fasteners; metric; manufacturing;

INDUSTRIAL PERFORATORS ASSOCIATION

Delores Liebherr, Secretary-Treasurer

710 North Plankinton
Suite 333
Milwaukee, Wisconsin 53203
(414) 271-2263

Founded: 1961

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Active in standardization of perforated materials through pertinent ASTM and ISO Committees.

Scope A National Trade Association of Manufacturers engaged in the production of perforated materials. Develops programs and

Standardization Activities

Active in ISO/TC 24 which is involved with setting metric standards for perforated materials on a world wide basis. Also works closely with Europref which is the Trade Association of European Perforators.

perforators; screen; punched-plate; industrial equipment;

Type of Organization

Standardization Activities

safety; personal protection; industrial equipment;

INDUSTRIAL TRUCK ASSOCIATION

L. West Shea, Managing Director
Mark J. Weissert, Managing Engineer

1326 Freeport Road
Pittsburgh, Pennsylvania 15238
(412) 782-1664 Telex: 710-664-4202

Founded: 1952 Standards Staff: 1

Type of Organization Trade Association
Standards Developer

Scope Manufacturers of powered industrial trucks, tractors, and their major components.

Standardization Activities Through its General Engineering Committee, develops a Manual of Recommended Practices which is used as source material to advance safety and efficiency in the design, manufacturing, and use of industrial trucks. Cooperates with the American National Standards Institute, ASME Standards Committees, and ISO, as well as with the National Fire Protection Association, in matters affecting powered industrial trucks.

Availability Sold directly

Formerly Electric Industrial Truck Association (1951)

Keywords industrial trucks, industrial equipment; tractors; fork lift;

INSTITUTE FOR INTERCONNECTING AND PACKAGING ELECTRONIC CIRCUITS

Raymond E. Pritchard, Executive Director

3451 Church Street
Evanston, Illinois 60203
(312) 677-2850 Telex: 25-4708 TELESERV DFLO

Founded: 1957 Standards Staff: 4

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1957
1,000 member companies participating in standards activities
45 active standards
Standards and specifications processed through ANSI
Draft standards available to IPC representatives and applicable organizations

Standards Designation IPC

Government Adoption The Department of Defense has adopted four standards: IPC-T-50B, CF-50E, D-350B, DW-425, with another five pending.

Certification No certification, qualification, or accreditation programs

Scope An international trade association of 1,000 member companies representing manufacturers and users of electronic interconnection devices. Also includes key suppliers to the industry, and representatives from over 60 government agencies.

**Standardization
Activities**

Standards used worldwide by producers and users of rigid and flexible printed boards, flat cable, hybrid circuits, and various discrete wiring techniques.

Works closely with many organizations including UL, DOD, ANSI, EIA, and JEDEC. Members actively serve on a wide range of military and industry standards committees including the IEC, ANSI, EIA, ISHM, IEEE, and UL. Technical input solicited from and supplied by the 1,000 member companies of the IPC, and key government agencies and industry organizations.

IPC standards are used throughout the electronics industry in the interconnecting and packaging of electronic circuits. Standards applied to business, communications, consumer electronics, computers and peripherals, the military, industrial electronics, and instrumentation.

Standards cover dimensions and tolerances, acceptability levels and definitions and terms. Widely used IPC standards include a compilation of visual quality standards; dimensions and tolerances for single and two sided printed wiring boards; solderability test methods for multilayer printed wiring boards. In addition, conducts round robin testing programs for state-of-the-art product performance including testing of multilayer boards, evaluation of additive circuits, fine lines, and studies on cleaning techniques.

Availability

Distributed directly and through ANSI, IMI, Global, and IHS

Formerly

Institute of Printed Circuits (1977)

Keywords

printed circuits; printed boards; printed wiring boards; printed circuit boards; flat cable; electronics; electrical equipment;

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Sava I. Sherr, Staff Director of Standards

820 Second Avenue
New York, New York 10017
(212) 644-7966

Founded: 1884

**Type of
Organization**

Professional Society
Standards Developer

**Standards
Development**

30,000 members active in standards development
500 standards; 800 standards projects underway
Many processed through ANSI
An ANSI accredited organization

**Standards
Designations**

IEEE Std xx-year

**Government
Adoption**

National Electrical Safety Code, ANSI C2, is widely applied by government and regulatory agencies. Some IEEE standards have been adopted by DoD.

Secretariats

17 American National Standards Committees (some as cosecretariat)

Scope

A transnational professional society of 225,000 engineers and scientists in electrical engineering, electronics, and allied fields.

**Standardization
Activities**

The Standards Board is responsible for authorizing and coordinating standardization projects, final approval of IEEE standards

and representing IEEE on matters relating to units and standards. Work is carried out within the technical committees of the 37 societies and councils of the institute. Participates in a number of NFPA standards projects that fall within IEEE's technical concern, as well as with the Department of Defense and NBS. Active participation by its Canadian members has resulted in a number of IEEE standards being approved as Canadian standards by the Canadian Standards Association.

Availability To Service Center, 445 Hoes Lane, Piscataway, New Jersey 08854, as well as DECO, Global, IHS, and IMI.

Formerly Formed by a merger in 1963 of the American Institute of Electrical Engineers and the Institute of Radio Engineers.

Keywords electrical code; switching; electrical equipment; energy; nuclear power plants; television; radio; computers; metric; instruments; testing; units of measure; safety; data processing; communications;

INSTITUTE OF ENVIRONMENTAL SCIENCES

Betty L. Peterson, Executive Director

940 East Northwest Highway
Mount Prospect, Illinois 60056
(312) 255-1561

Founded: 1954

Type of Organization Professional Society
Works through other organizations to develop standards

Scope Devoted to the development and promotion of recommended practices, standards, specifications, research, simulation techniques, testing techniques, contamination control techniques, and the development of design criteria for equipment operation. The institute is a member of the International Committee of Contamination Control. Recommended practices are being developed by its Contamination Control Division in ten areas.

Standardization Activities Considers and investigates matters relating to units and standards, as well as recommended practices, pertaining to, or applicable in, environmental engineering. Cooperates with other national technical organizations in matters regarding environmental standards, testing and engineering. Cosponsors meetings or group efforts with such organizations as American Society for Testing and Materials, American Society for Quality Control, American Institute of Aeronautics and Astronautics, Institute of Electrical and Electronics Engineers, Department of Defense, Naval Research Lab Shock and Vibration Information Center, Army Materiel Command, and Navy Materiel Command. Sponsors a representative to the International Electrotechnical Commission concerned with international standardization of environmental test methods.

Formerly American Association for Contamination Control (1973)

Keywords testing; contamination control; environment;

INSTITUTE OF INDUSTRIAL ENGINEERS

David L. Belden, Executive Director

25 Technology Park
Norcross, Georgia 30092
(404) 449-0460

Founded: 1948

Standards Staff: 1

Type of Organization

Professional Society
Standards Developer

Standards Development

50 volunteer members active in standards development
Standards processed through ANSI; 12 are designated American National Standards
Draft standards and revisions available for review by non-members

Standards Designation

ANSI Z94.x

Secretariats

American National Standards Committee Z94, Industrial Engineering Terminology

Scope

An international society devoted to productivity improvement through the application of industrial engineering techniques. Serves more than 43,000 members in 87 countries. Provides a unique cross-section of goods and services including books, journals, magazines, computer software, films, seminars, workshops, conferences, and overseas study missions.

Standardization Activities

Focuses on the terms and phrases used in the practice of industrial engineering. These terms and phrases are developed through 17 subcommittees that represent the various disciplines of industrial engineering.

Availability

Distributed directly and through ANSI. Also by Wiley - Interscience, a Division of John Wiley & Sons, Inc.

Formerly

American Institute of Industrial Engineers

Keywords

industrial engineering; productivity; manufacturing;

INSTITUTE OF MAKERS OF EXPLOSIVES

Frederick P. Smith, Executive Director

1575 Eye Street NW.
Suite 550
Washington, D.C. 20005
(202) 789-0310

Founded: 1913

Type of Organization

Safety Association
Standards Developer

Standards Development

Standards developer since 1913

Standards Designation

IME prefix

Government Adoption

IME recommendations are contained in federal and state regulations.

Scope The safety association of the commercial explosives industry in the United States and Canada. Member companies include manufacturers of commercial explosives, fuses, and blasting detonators.

Standardization Activities Develops standards relating to safety in the manufacture, transportation, storage, handling and use of commercial explosive materials. Works closely with regulatory agencies at the international, federal, state and local levels.

Availability Sold directly

Keywords explosives; safety; materials;

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT

John E. Messervey, Executive Director

8600 West Bryn Mawr Avenue
Suite 720 South
Chicago, Illinois 60631
(312) 693-0990

Telex: 910 211-5870

Founded: 1958

Type of Organization Professional Society
Works through other organizations to develop standards

Representation Approximately 125 members active in INMM standardization including representatives on standards committee of ANSI, ASTM, and others.

Certification Nuclear materials specialists and nuclear materials interns are certified by examination and reviewed by a certification committee.

Secretariats ANSI N14, Transportation of Fissile and Radioactive Materials
ANSI N15, Methods of Nuclear Material Control

Scope A nonprofit organization of individuals working in governmental, industrial and academic institutions where nuclear materials are utilized. The Institute advances the application of principals of accounting, auditing, engineering, mathematics, physics, statistics, and physical security for the safeguarding of nuclear fuel facilities. INMM also promotes research in the field of nuclear safeguards, materials accounting, materials control, physical protection, waste management, and transportation.

Standardization Activities Directed toward meeting requirements of industry related to safeguarding nuclear materials. Principal activities include serving as ANSI secretariat for N14 and N15. INMM standards are used extensively in Department of Energy and Department of Defense facilities, as well as government contractors and NRC licensees. In addition, INMM standards are used world-wide by related organizations and commercial enterprises.

Keywords nuclear materials safeguards; nuclear materials waste management; nuclear material transportation; defense; energy; safety; environment;

INSTITUTE OF SCRAP IRON AND STEEL

Herschel Cutler, Executive

1627 K Street NW.
Suite 700
Washington, D.C. 20006
(202) 466-4050

Telex: 710 822 9782

Founded: 1928

Type of Organization

Trade Association
Standards Developer

Scope

Dealers, processors, and brokers engaged in the buying, processing and/or handling of ferrous and nonferrous scrap.

Standardization Activities

Cooperates with the Government and interested parties to establish specifications for the iron and steel scrap grades prepared by its member companies and others in the industry to meet the needs of consumers. Specifications cover basic open hearth, blast furnace, electric furnace and foundry, cast iron and special grades of iron and steel scrap, and give recognized classification for each grade. Offgrade material and scrap containing residual material are defined and the degree of cleanliness described. Provisions are made for deviations from the designated classifications.

Availability

Sold directly

Keywords

iron; steel; scrap iron; materials;

INSTITUTE OF TRANSPORTATION ENGINEERS

Thomas W. Brahms, Executive Director

525 School Street SW.
Washington, D.C. 20024
(202) 554-8050

Telex: 467943 WSH CI

Founded: 1930

Standards Staff: 2

Type of Organization

Professional Society
Standards Developer

Standards Development

300 members participate in standards development
27 active equipment standards and recommended practices
None processed through ANSI
Draft standards available for review

Standards Designations

ST - equipment standards
RP - recommended practices

Government Adoption

The Federal Highway Administration of Department of Transportation has adopted a number of ITE equipment standards as part of the U.S. Manual on Uniform Control Devices. Many state and local agencies have also adopted these standards.

Certification

No certification, qualification, or accreditation programs

Secretariats

A major sponsor of National Committee on Uniform Traffic Control Devices.

Scope

A professional society of those responsible for planning, designing, implementing, operating, and maintaining surface transportation systems of the world. Seven thousand members in 73 countries. Provides publications, educational programs,

testimony, and other services to benefit the transportation profession and the general public.

Standardization Activities Develops equipment standards and recommended practices. Equipment standards for traffic control devices include signs, signals, and markings. Cooperates with all interested parties in developing standards.

Availability Distributed directly

Formerly Institute of Traffic Engineers (1976,

Keywords safety; transportation; traffic control devices; traffic signals; pavement markings;

INSTRUMENT SOCIETY OF AMERICA

Glenn F. Harvey, Executive Director

67 Alexander Drive
P.O. Box 12277
Research Triangle Park, North Carolina 27709
(919) 549-8411 Telex: 802-540

Founded: 1945 Standards Staff: 2

Type of Organization Technical Society
Standards Developer

Standards Development Standards developer since 1945
2,000 members participating in standards activities
50 active standards; 98 active committees
Standards are processed through ANSI
Draft standards available for review

Standards Designation ISA-S, Instrument Society of America Standard
ISA-RP, Instrument Society of America Recommended Practice

Government Adoption The Nuclear Regulatory Commission has adopted five Instrument Society of America Standards.

Certification No certification, qualification, or accreditation programs

Secretariats Secretariat of ISO/TC 10/SC 3, Graphical Symbols for Instrumentation. ISA also serves as the administrative secretariat for U.S. TAG for IEC/TC 66 on Electronic Measuring Equipment, and sponsors the U.S. TAG for IEC/TC 31 SC/31G on intrinsic safety. Eight ISA committees serve as the TAG for committees or working groups of IEC/TC 65 on industrial process measurement and control.

Scope Chartered as a nonprofit educational organization, its membership comprises more than 31,000 practitioners, scientists, educators, and students worldwide involved in industrial instrumentation and control technology.

Advocates the advancement of the technology of process measurement and control instrumentation through education. Augments the exchange of knowledge and information through a wide variety of publications and by developing consensus industry standards.

Standardization Activities Prepares and promotes national and international standards which are competent, unbiased, widely applicable, and authoritative. Standards and practices committees span a wide spectrum of industries and technical interests dealing with measurement and control instrumentation. Topics include symbology, computer hardware and software, intrinsic safety, thermocouples, flowmeters, transducers, rotameters, face-to-face dimensions of

control valves, control valve sizing, control valve capacity test procedures, manifold designs, pneumatic circuits, annunciators, dynamic response testing, specification forms, piping and instrument drawings, instrumentation for nuclear and fossil fuel power plants, installation practices, terminology, composition analyzers, environmental conditions for digital systems, strain gages, liquid level gages, and continuous weighing instrumentations.

Availability Distributed directly and through ANSI, IMI, NSA, IHS, and Global In Europe and Africa -- John Wiley & Sons Ltd.
In Asia and Australia -- Intercontinental Marketing Corp.
In South and Central America -- Feffer & Simons, Inc.

Keywords instrument; measurement; process measurement; control telemetry; metrology; analysis; automatic controls; scientific instrumentation; valves; industrial equipment;

INSULATED CABLE ENGINEERS ASSOCIATION

E. E. McIlveen, Secretary-Treasurer

P.O. Box P
South Yarmouth, Massachusetts 02664
(617) 394-4424

Founded: 1925

Type of Organization Trade Association/Technical Society
Standards Developer

Standards Development Standards developer since 1925
100 members participating
27 active standards
Some standards processed through ANSI

Standards Designation ICEA, ICEA/NEMA, or ICEA/IEEE prefix

Government Adoption FAA, GSA, Air Force, Navy, Rural Electrification Administration, and others

Certification No certification, qualification, or accreditation programs

Scope An international nonprofit association of cable engineers which develops and publishes standards for electrical power, control, instrumentation, communications, and portable cables. The principal standards writing authority for industrial and utility cables in North American and recognized throughout the world. Membership confined to engineers who are on the technical staffs of concerns engaged in the manufacture of insulated electrical wires and cables, and who are qualified by technical training or experience to contribute to the Association's activities.

Standardization Activities Publishes recommended practices and treatises resulting from engineering research conducted by the Association. Publication on cable capacities recognized as joint standards by the National Electrical Manufacturers Association (NEMA), Institute of Electrical and Electronic Engineers (IEEE) and the American National Standards Institute (ANSI).

Availability Distributed through designated Secretariats. Listings available from Headquarters.

Formerly Insulated Power Cable Engineers Association

Keywords electrical cable; insulated cable; electrical equipment; communications; cable;

INSULATED STEEL DOOR SYSTEMS INSTITUTE

Allen P. Wherry, Managing Director

712 Lakewood Center North
14600 Detroit Avenue
Cleveland, Ohio 44107
(216) 266-7700

Telex: 98-5559

Founded: 1975

Standards Staff: 3

Type of Organization

Trade Association
Standards Developer

Standards Development

Eleven member companies participate in standards activities
Nine active standards including three ANSI Standards

Government Adoption

The ISDSI standards have been adopted by numerous government agencies.

Certification

No certification, qualification, or accreditation programs

Scope

A national trade association representing U.S. companies engaged in the manufacture of insulated steel door systems (consisting of door, frame, and total perimeter seal) which are specially designed and marketed for the residential market and tested to the Institute standards.

Standardization Activities

Promulgates minimum standard specifications for the manufacture of insulated steel door systems to assure quality products for the residential market. Works closely with numerous government agencies including Department of Housing and Urban Development, Department of Navy, Corps of Engineers, and the Farmers Home Administration. Also cooperates with various code organizations and with the National Association of Home Builders, the Door & Hardware Institute, and Builders Hardware Manufacturers Association.

Availability

Distributed directly

Keywords

doors; buildings;

INTER-SOCIETY COLOR COUNCIL

Teresa Commerford, Secretary

U.S. Army Natick Laboratories
DRDNA-ITCP
Natick, Massachusetts 01760
(518) 266-6000

Founded: 1933

Type of Organization

Technical Society
Works through other organizations to develop standards

Scope

Coordinates work leading to the standardization, description and specification of color, and promotes the practical application of such work to color problems arising in science, art, and industry. Membership consists of 29 delegates from national societies and individual members, all with a common interest in color.

Standardization Activities

Not a standardizing body, but many of the results of its work are incorporated by its member bodies into standards which they issue or sponsor. This work is carried out by subcommittees of the ISCC Problems Committee.

Examples of participation in standardization activities include the ISCC-NBS Method of Designating Colors and a Dictionary of Color Names (National Bureau of Standards Circular 553); designations of filters for theatrical lighting; a Comparative List of Color Terms; Color Aptitude Test (available through the Federation of Societies for Coating Technology); and recommendations for illuminating and viewing conditions in the colorimetry of reflecting materials; standard methods for mounting textile samples for colorimetric measurement; standard practice for visual examination of small color differences; determination of the strength of colorants; and the determination of sets of maximally different nonfluorescent colors. Activities of Problems Subcommittees are summarized in the Annual Report Issue of the ISCC Newsletter.

Keywords color; colorimetry; instruments; testing;

INTERNATIONAL ASSOCIATION OF ELECTRICAL INSPECTORS

W. I. Summers, Executive Director

930 Busse Highway
Park Ridge, Illinois 60068
(312) 696-1455

Telex: 2

Founded: 1928

Standards Staff: 2

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	20 members and 20 alternates on the National Electrical Code promulgated by the National Fire Protection Association. Also participates on the ANSI C80, C73 and ANSI C2 committees; The UL Standards Review Council; and NFPA committees 70A, 70B, 70E, and 79.
Certification	Member of the National Board of Governors for the certification of electrical inspectors, administered by the Educational Testing Service, Princeton, New Jersey.
Scope	Promotes cooperation between inspectors, the electrical industry, and the public. Collects and disseminates information relative to the safe use of electricity. Over 15,000 members including inspectors, contractors, electricians, consulting engineers, utilities, and testing labs. Seventy-five percent of its meetings and publication programs are devoted to standardization activities. Maintains liaison in its code activities with its members in Canada and Japan.
Standardization Activities	Cooperates in the formulation of standards for the safe use of electrical materials, devices, and appliances. Also promotes the uniform understanding and application of the National Electrical Code, as well as other electrical codes and standards. Maintains liaison with the Federal Government in many standardization activities, particularly for the use and application of the National Electrical Code. Cooperates with the Department of Housing and Urban Development, the Consumer Product Safety Commission, as well as with the Occupational Safety and Health Administration (OSHA) of the Department of Labor. Also serves on various NFPA, ANSI, and UL standards writing committees.
Keywords	electrical code; inspection; safety; building; government officials;

INTERNATIONAL ASSOCIATION OF MILK, FOOD AND ENVIRONMENTAL SANITARIANS

Kathy Hathaway, Executive Secretary

P.O. Box 701
Ames, Iowa 50010
(515) 232-6699

Founded: 1911

Type of Organization

Professional Society
Standards Developer

Standards Development

Standards developer since 1920's

Standards Designations

3-A prefix

Scope

Professional society of persons working in the field of milk and dairy products, food technology and sanitation. Develops uniform and proper methods of supervision and inspection of dairy farms, milk and milk product plants, food handling establishments, and transportation equipment. Examines milk, milk products, and other foods. Improves sanitary methods of milk production. Develops related equipment and supplies.

Standardization Activities

Original developer of 3-A Sanitary Standards for fittings used on milk pipelines. Cooperates with the U.S. Public Health Service, suppliers and equippers in standards development. Maintains two committees active in standards activities, the Committee on Sanitary Procedures and the Sanitary Standards Subcommittee of the Dairy Industry Committee which represents the American Butter Institute, American Dry Milk Institute, Evaporated Milk Association, International Association of Ice Cream Manufacturers, Milk Industry Foundation, National Cheese Institute, and the Dairy and Food Industries Supply Association.

Availability

Distributed directly

Keywords

milk; dairy products; sanitation; public health;

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

Tom Higham, Executive Director

5032 Alhambra Avenue
Los Angeles, California 90032
(213) 223-1471

Founded: 1926

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer and works through other organizations to develop standards

Standards Development

Product and Installation standards are processed through IAPMO's Annual Conference
Four Z124 standards are processed through ANSI
Draft standards are available for review
57 standards are currently published

Standards Designation

PS, IAPMO Product Standards
IS, IAPMO Installation Standards

Government Adoption

The Uniform Plumbing Code is used in over 2,500 jurisdictions in the United States and is the mandatory code for 13 states.

Certification	A monthly listing of 10,000 products certifies that products have been tested and meet the requirements of applicable standards and the Unified Plumbing Code. Certification must be updated and renewed annually and manufacturers are subject to reinspection during the year of listing.
Secretariats	ANSI Committee Z124
Scope	Established by and for inspection officials of cities, counties, and states with the goal of bringing about uniformity in plumbing codes and their interpretation. Cosponsors the Uniform Mechanical Code with the International Conference of Building Officials.
Standardization Activities	Presently writes installation standards for conventional plumbing products and maintains existing IAPMO product standards. Does not write new material standards for conventional plumbing. Promulgates both installation and material standards for plumbing in the mobile home and recreational vehicle industry. Standardization activities are administered by the IAPMO Standards Committee and IAPMO Mobile Home Standards Committee. Works with the Department of Housing and Urban Development, the Department of Labor, and the National Bureau of Standards.
Availability	Sold directly
Formerly	Los Angeles Area Plumbing Inspector Association (1926) Plumbing Inspectors Association of Southern California (1929) Plumbing Inspectors Association of California (1930) Pacific Coast Plumbing Inspectors Association (1934) Western Plumbing Officials Association (1945)
Keywords	building code; plumbing code; mobile home; recreational vehicle; safety building; government officials;

INTERNATIONAL ASSOCIATION OF WIPING CLOTH MANUFACTURERS

	Robert J. Mayer, Executive Vice President 300 West Washington Street Chicago, Illinois 60606 (312) 726-0050 Founded: 1932
Type of Organization	Trade Association Standards Developer
Standards Development	Two active standards
Government Adoption	General Services Administration has adopted Wiping, Cotton, and Cotton-Synthetic dated October, 1981.
Scope	Considers common problems in the management, promotion, research and development, employment, and financial functions of the wiping cloth and wiping materials industry.
Standardization Activities	Publishes The Specification for Purchase of Rags for Conversion Into Wiping Cloths, and Specifications for Wiping Cloths for use by all phases of industry that use wiping cloths in their operation. Specifications cover material, content, and grade of wiping cloths.

Availability Distributed directly

Formerly Sanitary Institute of America
National Association of Wiping Cloth Manufacturers

Keywords rags; textiles;

INTERNATIONAL BRIDGE, TUNNEL AND TURNPIKE ASSOCIATION

John J. Hassett, Executive Director

2120 L Street NW.
Washington, D.C. 20037
(202) 659-4620

Founded: 1932

Type of Organization Trade Association
Works through other organizations to develop standards

Representation National Committee on Uniform Traffic Control Devices
National Fire Protection Association

Scope A nonprofit association serving the needs of toll and tax supported bridges, tunnels, and highways. Concerned with the improvement of highway transportation in general. Members operate over 340 toll facilities with a combined value of approximately \$50 billion.

Standardization Activities Works closely with the government and allied agencies and associations, such as the National Committee on Uniform Traffic Control Devices and the National Fire Protection Agency, to promote safety and improvement in highway transportation.

Keywords construction; transportation; tunnels; bridges; highways;

INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS

Charles H. Pillard, President

1125 15th Street NW.
Washington, D.C. 20005
(202) 833-7000

Founded: 1981

Standards Staff: 6

Type of Organization International Labor Union
Works through other organizations to develop standards

Representation Sixty members active in standards development on committees of NFPA, ANSI, IEEE, ASTM, and other organizations.

Scope Represents one million workers in all branches of the electrical industry.

Standardization Activities Members are active on all code panels of NFPA 70, The National Electrical Code, and in other organizations that develop standards for electricity work.

Although not a standard making body, the IBEW cooperates and participates in the work of standard making bodies which might impact membership.

Keywords union; electrical equipment; electric power;

INTERNATIONAL CARGO GEAR BUREAU

Charles G. Visconti, President

17 Battery Place
New York, New York 10004
(212) 425-2750

Founded: 1966

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A nonprofit membership corporation of makers and users of cargo handling equipment. Provides recognized registration, inspection, certification, documentation, design evaluation, and consultation services throughout the world for materials handling equipment ashore and afloat including shipboard cargo gear, cranes, derricks, cargo containers, road vehicles, and related devices.

Standardization Activities Monitors and participates in standards development activities of international organizations including the Intergovernmental Maritime Consultative Organization (IMCO) and ISO, ship classification societies, and national standards bodies.

Keywords cargo handling; industrial equipment; transportation;

INTERNATIONAL CITY MANAGEMENT ASSOCIATION

Mark E. Keane, Executive Director

1120 G Street NW.
Washington, D.C. 20005
(202) 626-4600

Founded: 1914

Type of Organization Professional Association
Standards Developer

Scope City managers, county managers, municipal administrators, assistants and directors of councils of governments. Conducts management information urban data services. Sponsors training.

Standardization Activities Has long had an interest in standardization as part of its work in increasing the proficiency of municipal administrators and strengthening the quality of urban government through professional management. Efforts involve measurement units for public work activities along with correlative manuals and other publications.

Currently is working on a productivity measurement/enhancement program undertaken jointly by ICMA and the Urban Institute for the National Commission on Productivity, the U.S. Department of Housing and Urban Development, and the National Science Foundation. A major part of this project is to review existing municipal codes and establish standards of performance which can serve as the basis for national transferable norms through which cross-national performance measures may be obtained for municipal services. Services under study include police, fire, solid waste and waste water management, parks and recreation, local transportation systems, and library systems.

Formerly International City Managers Association (1966)

Keywords municipal management; city management; facilities management; government officials;

INTERNATIONAL COALITION FOR PROCUREMENT STANDARDS

Philip Lively, ICPS Coordinator

1916 Race Street
Philadelphia, Pennsylvania 19103
(215) 299-5400 Telex: 710-670-1037

Founded: 1979

Type of Organization Professional Society
Works through other organizations to develop standards

Scope Brings representatives of national and international purchasing associations and their affiliates together in an effort to communicate, cooperate, and coordinate activities of recognized standards organizations to develop voluntary consensus standards. Promotes and encourages the professional development of its members.

Standardization Activities Encourages participation by its members in the activities of all consensus standards organizations; initiates, through interaction with these consensus standards organizations, the formulation of specifications, standards, and test methods where none currently exist; aids in the revision and updating of existing specifications, standards, and test methods; and cooperates with other members of the Coalition to avoid duplication of effort.

Keywords purchasing; general; government officials;

INTERNATIONAL COMMUNICATIONS INDUSTRIES ASSOCIATION

Harry R. McGee, Executive Vice President

3150 Spring Street
Fairfax, Virginia 22031
(703) 273-7200

Founded: 1939

Type of Organization Trade Association
Works through other organizations to develop standards

Representation American National Standards Committee PH7

Scope Commercial trade association for manufacturers, producers, and dealers of audio and visual communications products in the area of projection, as well as video and computers. Membership includes 800 domestic companies and more than 100 international members.

Standardization Activities Seventy-five members active on working committees, subcommittees and task forces of Committee PH7 on Instructional Audio-Visual Systems Standards. Standards developed through PH7, issued through ANSI.

Formerly National Association of Visual Education Dealers (1939-1947)
National Audio-Visual Association (1947-1983)

Keywords audio-visual; visual; communications;

INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS

G. David Tayco, Director Administrative Services

5360 South Forkman Mill Road
Whittier, California 90601
(213) 699-0541

Founded: 1922

Type of Organization

Professional Association
Standards Developer

Standards Development

Developer of 14 codes for all aspects of building construction
Invokes nearly 1,000 standards of ASTM, UL, NFPA, ANSI, and others

Standards Designation

Uniform Building Codes

Government Adoption

Jurisdictions which enforce the Uniform Building Code and its related documents are located in various states having a combined population of over 89 million, from Michigan and Indiana in the east to the western states including Alaska and Hawaii.

Certification

Provides a voluntary certification program. Code enforcement categories of certification include building inspector, electrical inspector, plumbing inspector, mechanical inspector, combination inspector, rehabilitation/conservation inspector, and plans examiner. Special certification includes reinforced concrete inspection, prestressed concrete inspection, structural masonry inspection, and structural steel/welding inspection.

Secretariats

National Research Board

Scope

Objective is to furnish a complete set of Uniform Codes for state, county, and city administrative authorities responsible for enforcement of building laws to ensure a high level of safety to life from fire, structural, and exit hazards. Maintains and improves the codes on a continuous basis.

Standardization Activities

Publishes the Uniform Building Code, Uniform Mechanical Code, Uniform Fire Code, and related documents setting forth minimum standards for safe construction in buildings and structures. Also develops standards for acceptance of new products through research activities. Issues recommendations to the member jurisdictions in order that manufacturers may obtain uniform recognition of their new products.

Availability

Sold directly

Formerly

Pacific Coast Building Officials Conference (1922)
International Conference of Building Officials (1958)

Keywords

building code; mechanical code; fire code; solar; solid fuel; safety; construction; building; government officials;

INTERNATIONAL DATABASE ASSOCIATION

James B. Crawford, Chairman

P.O. Box 148
Leesburg, Virginia 22075
(703) 592-3770

Founded: 1983

Standards Staff: 3

Type of Organization

Trade Association
Works through other organizations to develop standards

Scope Endeavors to guarantee user satisfaction with online services. Twenty members worldwide representing the database, videotex, and online information industries. Members range from small technical database firms to mass audience business and consumer services. IDA's goal is to expedite resolution of users' online problems and promote the ease of accessing online information.

Standardization Activities IDA standards activities address the following four areas: user manuals; sign-on and operations procedures; alignment of database content with promotional promises; and qualifications of support personnel.

While the majority of new and established online services closely monitor customer support, there are notable exceptions. On occasion user manuals are poorly composed and difficult to follow, sign-on procedures are changed without notification, content does not meet user expectations, and customer support staff lacks expertise to resolve users' online problems. IDA addresses these issues in an effort to stem a potential undercurrent of dissatisfaction among users on the premise that, when specified procedures are followed and precautions taken, accessing online information requires little effort.

Membership is open to all online services, and participation in IDA training programs and other activities is voluntary. IDA sets criteria of performance, it does not sit in judgement of member or non-member online services.

Keywords information processing; networking; online; database; videotex; computers;

INTERNATIONAL DISTRICT HEATING ASSOCIATION

Norman R. Taylor, Executive Director

1735 Eye Street NW.
Suite 611
Washington, D.C. 20006
(202) 223-2922

Founded: 1909

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development 30 members serve on standards committees of ASTM, ASHRAE, ANSI, AGA, and others.

Scope Five hundred members, utilities, municipalities, universities, institutions, manufacturers, consultants, engineers, and others working in the district heating and cooling industry. Serves worldwide interests in district heating and cooling particularly in the U.S. and Canada. Most commercial DHC systems, operated by investor owned utilities, are members of IDHA. Provides a principal forum to exchange information and maintains a liaison with federal agencies.

Standardization Activities Publishes and updates the Code for Steam Metering. IDHA is proposing the development of industry standards for DHC piping systems. Also publishes the District Heating Handbook, a design guide reference for industry personnel that references applicable standards. Publishes guidelines that reference U.S. standards in Principles of Economical Heating, and the Unwin Chart of losses in steam piping systems. Makes comparisons of European and U.S. components for DHC systems.

Nine technical groups -- Distribution, Marketing, Metering, Production, Rare/Load Research, Refuse Energy, Statistical, University/Physical Plant, and Hot/Chilled Water review and comment on applicable standards.

Availability Distributed directly

Keywords cogeneration; heating; cooling; energy; utilities; refuse energy;

INTERNATIONAL FABRICARE INSTITUTE

Charles Riggott, Executive Vice President

12251 Tech Road
Silver Spring, Maryland 20904
(301) 622-1900

Founded: 1972

Standards Staff: 4

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Represented on ASTM Textiles committee, NFPA Drycleaning committee, NFPA Fur Storage, Fumigation and Cleaning, and on NFPA Static Electricity committee.

Certification Certifies as drycleanable and/or launderable, fabrics, garments, draperies, etc., when they pass tests designated by ASTM, NFPA, and/or AATCC.

Scope An international association of 10,000 drycleaners and/or launderers.

Standardization Activities Interested in, and active on, standards committees involved in quality control and safety as affects members and their customers.

Formerly American Institute of Laundering (1883)
National Institute of Drycleaning (1907)

Keywords drycleaning; laundering; textiles; consumer products;

INTERNATIONAL FENCE INDUSTRY ASSOCIATION

Rodger D. Duke, Executive Director

441 South 28th Street, Suite 102
Tempe, Arizona 85281
(602) 968-3117

Founded: 1962

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ASTM Committee F14

Scope Serves the entire fence industry in North America and 10 foreign countries. Membership includes installer contractors, wholesalers, manufacturers, and related fence industry business.

Standardization Activities Members work with ASTM and Chain Link Fence Manufacturers Institute (CLFMI) to develop standards and specifications for fence products.

Keywords fence; construction;

INTERNATIONAL INSTITUTE OF AMMONIA REFRIGERATION

J. W. Sherman, Executive Secretary

111 East Wacker Drive
Chicago, Illinois 60601
(312) 644-6610

Founded: 1971

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

Standard Developer since 1976
One active standard, ANSI approved
Available for review by members and non-members

**Standards
Designation**

ANSI/IIAR 74-2

**Government
Adoption**

City of Columbus, Ohio has adopted IIAR 74-2 as part of the City Building Code.

Certification

No certification, qualification, or accreditation programs

Secretariats

IIAR is the ANSI designated secretariat for ANSI/IIAR 74-2.

Scope

A not-for-profit organization formed to promote education, information and standards for proper and safe use of ammonia as a refrigerant. Introduces and encourages constructive educational efforts in the fields of design, safety, installation, operation, maintenance, application, and other subjects to furnish a better understanding of the use of ammonia as a refrigerant.

**Standardization
Activities**

Developed and maintains ANSI/IIAR 74-2, American National Standard for Equipment Design and Installation of Ammonia Mechanical Refrigeration Systems.

Availability

Distributed directly or through ANSI

Keywords

ammonia; refrigeration;

INTERNATIONAL MASONRY INSTITUTE

Ray Lackey, Executive Vice President

823 15th Street NW.
Washington, D.C. 20005
(202) 783-3908

Founded: 1970

**Type of
Organization**

Trade Association
Works through other organizations to develop standards

Representation

Participates in the standards activities of ASTM, ACI, ASCE, NFPA, and others.

Scope

Formed through a joint trust agreement between the Mason Contractors Association of America and the International Union of Bricklayers and Allied Craftsmen. Activities include promotion and national advertising for masonry construction, training of craftsmen, and development of areas related to masonry materials, design and construction.

**Standardization
Activities**

Participates on committees involved in the development of standards associated with masonry and masonry construction including

ASTM, ACI, ASCE, NFPA, and ANSI. Monitors and recommends changes to the national model codes: BOCA, ICBO, and SSBC.

Keywords masonry; construction;

INTERNATIONAL MOBILE AIR CONDITIONING ASSOCIATION

D.A. Brown, Executive Director

3003 LBJ Freeway, #219
Dallas, Texas 75234
(214) 484-5750

Founded: 1958

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

17 active standards
None processed through ANSI

**Standards
Designations**

IMACA prefix

**Government
Adoption**

IMACA Standard 200 is in use by General Services Administration.

Scope

Serves system manufacturers, parts and service suppliers, distributors, and dealers in mobile air conditioning applications including auto, heavy truck, recreational vehicle, farm and off-highway vehicle, boat, aircraft, bus, and railroad. Programs include sales promotion, engineering standards, monthly magazine, technical papers, and legislative activities.

**Standardization
Activities**

The Engineering Committee administers the standards program, currently consisting of 17 standards in print under the IMACA name. This consists of sixteen standards for automotive and one for recreational vehicle application. All standards are national in scope. The use of standards is voluntary and promoted through the national trade press and the IMACA monthly magazine.

Availability

Distributed directly

Formerly

Automotive Air Conditioning Association (1970)

Keywords

air-conditioning; mobile air-conditioning; transportation; automotive;

INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION

Warren S. Farrell, Technical Coordinator

3121 Forest Avenue
P.O. Box 8249
Forth Worth, Texas 76112
(817) 429-8638

Founded: 1896

**Type of
Organization**

Technical Society
Standards Developer

**Standards
Development**

30 active standards
None processed through ANSI

**Standards
Designations**

IMSA prefix

**Government
Adoption**

IMSA Wire and Cable Specifications have been recognized by the Department of Transportation and the Bureau of Public Roads.

Certification

Offers certification in the Public Safety Fields of Traffic Signal Technician, Fire Alarm Technician, and Signs and Markings Specialists

Scope

A nonprofit, technical and educational association. Membership consists of 2,500 members in the United States, Canada, Mexico, and the free countries of the world actively engaged in the engineering, construction, maintenance and operation of electrical, electronic and graphic communication systems used in public safety services, such as fire and police alarms, traffic control, radio communications, street lighting, signs and markings and related systems. Develops standards and manuals for use by the members and industry. Collects and disseminates educational material. Encourages unification in public safety fields for the purpose of improving the efficiency of public safety services.

**Standardization
Activities**

Develops standards for various types of signal and communications wire and cable which must meet the requirements of ASTM and Underwriters Laboratories. Maintains a Cable Committee which updates and revises standards. Participates on Technical Committees of the National Committee on Uniform Traffic Control Devices, the Institute of Transportation Engineers Technical Council Committee, National Fire Protection Association. The Federal Communications Commission for Fire Radio Service recognizes IMSA as the Fire Frequency Coordination Body.

Availability

Distributed directly

Keywords

electrical equipment; wire; cable; safety; communications;

INTERNATIONAL SILO ASSOCIATION

James T. Knight, President

One Corporation Place
Suite 375
1501 42nd Street
West Des Moines, Iowa 50265
(515) 225-0643

Founded: 1907

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

100 members participate in standards activities

Scope

A trade association representing tower silo manufacturers and farmstead equipment manufacturers throughout the world with heaviest concentration in the U.S. and Canada.

**Standardization
Activities**

Cooperates with the American Concrete Institute, American Society of Agricultural Engineers, and other technical associations in developing standards for the industry. Prepared recommended practices for the Design and Construction of Top Unloading Concrete Stave Farm Silos, Atmosphere Controlled Bottom Unloading Concrete Stave Farm Silos, and Monolithic Concrete Farm Silos.

Availability	Distributed directly
Formerly	National Association of Silo Manufacturers (1956) National Silo Association Inc. (1980)
Keywords	silos; agriculture;

INTERNATIONAL SOCIETY FOR TERRAIN-VEHICLE SYSTEMS

Ronald A. Liston, General Secretary

Box 282
Hanover, New Hampshire 03755
(603) 643-3200

Founded: 1962

Type of Organization	Professional Society Standards Developer
Scope	A private, nonprofit organization composed of about 300 members from 28 countries. Provides an international forum to effect the achievement and advancement of knowledge of the mechanics of terrain-vehicle systems and soil working machinery in all environments. Technical papers, reviews, comments, and discussions in the field of terramechanics are presented at periodic regional meetings and at an international conference held once every three to four years. The information is published quarterly by the society in the Journal of Terramechanics.
Standardization Activities	Since 1965, the Standardization Committee has formulated glossaries of terrain-vehicle terms which are standards for the society. The committee has grouped terms into eight categories: Terrain Geometry, Vehicle Physical Characteristics, Vehicle Performance, Soil Test Devices Associated with Soil Vehicle Tests, Terrain Characteristics Associated with Soils, Standards for Terrain Characteristics Associated with Vegetation, Standard Symbols, and Standard Test Procedures.
Availability	Distributed directly
Keywords	vehicles; soil characteristics; agriculture; transportation;

INTERNATIONAL SOCIETY OF ARBORCULTURE

E. C. Bundy, Executive Director

5 Lincoln Square
P.O. Box 71
Urbana, Illinois 61801
(217) 328-2032

Founded: 1924

Type of Organization	Professional Society Standards Developer
Standards Development	1 active standard Processed through ANSI
Secretariats	ANSI Committee Z133.1, Safety in Tree Care Operations
Scope	Individuals engaged in commercial arboriculture; city, state, national government employees, and others interested in shade tree welfare. Conducts research programs.

Standardization Activities Fosters the use of a standard which provides safety criteria for workers and the public. This standard presents safety requirements for pruning, trimming, repairing, maintaining, and removing trees and for cutting brush and for the equipment used in such operations.

Availability Distributed through ANSI

Formerly International Shade Tree Conference

Keywords arboriculture; horticulture; tree care; safety;

INTERNATIONAL STAPLE, NAIL AND TOOL ASSOCIATION

Bernie J. Mezger, President

435 North Michigan Avenue
Chicago, Illinois 60611
(312) 644-0828

Founded: 1966

Type of Organization Trade Association
Standards Developer

Standards Development 1 active standard
ANSI approved
Select standards available for review

Standards Designations ISANTA SNT prefix

Scope An organization financed and directed by manufacturers of col-
lated fasteners and pneumatic power tools for driving them.
Membership represents eighty percent of the pneumatic power tools
and related fasteners produced in the world. Promotes and
furthers the utilization of machine-applied staples, nails and
similar fasteners and their power tools.

Standardization Activities Maintains a Technology Committee which is responsible for the
development of standards in performance, safety, code approvals,
and technical coordination with government agencies, code bodies,
volunteer standards organizations, and other related associa-
tions.

Develops standards on tool design and operation and guidelines on
performance testing of fastened connections. Representatives
participate in standards development of other organizations
involving driven fasteners.

Cooperates with federal, state, and local governments in the
application of standards and with voluntary public organizations
and code bodies in establishing acceptable fastening criteria and
product application.

Availability Sold directly

Formerly Industrial Stapling and Nailing Technical Association (1975)
Industrial Stapling Manufacturers Institute (1972)

Keywords fasteners; nails; staples; tools; power fastening; pneumatic
fastening; industrial equipment; manufacturing;

INTERNATIONAL TAPE/DISC ASSOCIATION

Henry Brief, Executive Vice President

10 Columbus Circle, Suite 2270
New York, New York 10019
(212) 956-7110 Telex: 42 15 08

Founded: 1970

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

Standards developer since 1978
Five current standards
None processed through ANSI

**Standards
Designations**

ITA-A prefix

Scope

An international trade association that represents companies of many nations in the consumer electronics sector, specifically tape and disc, both audio and video, as well as home entertainment firms related to tape/disc/audio/video.

**Standardization
Activities**

The Audio Technical Committee is responsible for an ongoing standardization program in all aspects of audio and video tapes and discs. Five standards are currently active. These include standards for audio cassettes, 8 track cartridges, splicing tape and duplication guidelines for 8 track and 4 track cartridges, and Minimum Standards of Audio Tape Products. Committee members also participate on IEC, ISO, EIA, AES, SMPTE, and ANSI Committees.

Availability

By written request to the address above

Formerly

International Tape Association

Keywords

tape; cassette; audio; video; disc; communications; acoustics;

INVESTMENT CASTING INSTITUTE

Henry T. Bidwell, Executive Director

8521 Clover Meadow Drive
Dallas, Texas 75243
(214) 341-0488

Founded: 1953

**Type of
Organization**

Trade Association
Works through other organizations to develop standards

Representation

ASTM, SAE

Scope

Provides an organization through which programs can be initiated to accelerate the growth of technology, as well as the market for investment castings. Membership consists of 75 foundries and 55 suppliers.

**Standardization
Activities**

Cooperates with the British Investment Casters Technical Association, as well as the Aerospace Material Specifications Division of the Society of Automotive Engineers, and the American Society for Testing and Materials. Publishes the Investment Casting Handbook.

Keywords

investment castings; materials;

IRRIGATION ASSOCIATION

Thomas J. Schiltz, Director of Industry Relations

13975 Connecticut Avenue
Silver Spring, Maryland 20906
(301) 871-1200

Founded: 1949

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Development

950 members active in standards development

Certification

Program for Irrigation Designers

Scope

Represents manufacturers, distributors, contractors, and technical personnel involved with agricultural and landscape irrigation systems.

Standardization Activities

Engages in standards activities for comparing components through testing. Provides standard developers with the criteria for comparing products. Cooperates with the International Organization for Standardization to insure that international irrigation standards fairly represent products manufactured in the U.S. Maintains representation on committees of ANSI, ASAE, and ASME.

Availability

Distributed directly

Keywords

irrigation; water conservation; sprinklers; agriculture;

JEWELERS VIGILANCE COMMITTEE

Joel A. Windman
Executive Vice President and General Counsel

1180 Avenue of the Americas
New York, New York 10036
(212) 869-9505
Founded: 1912

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1913

Government Adoption

Adopted by the Department of Commerce and the Federal Trade Commission.

Scope

National organization supported by the jewelry industry, specializes in marking, labeling, terminology, and trade problems.

Standardization Activities

Works with government to assist industry and consumers. Develops voluntary product standards in the areas of precious metals, precious stones, and watches. Standardization work contributed to Federal Trade Commission's development of Guides for the Jewelry Industry. Conducted and revised a standardization study on the National Gold and Silver Stamping Act.

Availability

Distributed directly and through the Federal Trade Commission

Formerly

American Jewelers Protective Association (1943)

Keywords

jewelry; precious metals; precious stones; materials; consumer products;

JOINT COMMITTEE ON DEVICES AND DRUGS

Dr. M. Salzman, Dr. R. Crowell, Cochairmen

625 North Michigan Avenue, Suite 1519
Chicago, Illinois 60611
(312) 944-4205

Founded: 1974

Type of Organization	Professional Society Works through other organizations to develop standards
Representation	ASTM, AAMI, ANSI, FDA Advisory Panel, World Federation of Neurosurgical Societies
Scope	An educational and advisory group sponsored by the American Association of Neurological Surgeons and the Congress of Neurological Surgeons to assist in the writing of neurological standards by participating in the activities of standards developing organizations. Also active as an advisory group for such organizations as the American Medical Association, the American College of Surgeons, the FDA, and the U.S. Congress.
Standardization Activities	Coordinates participation in committees developing standards for materials, devices, and practices used by neurosurgeons. Current activities center on ASTM F4.05, Subcommittee on Neurosurgery, and Committees of the Association for the Advancement of Medical Instrumentation (AAMI). Standards of interest include: tissue adhesives, aneurysm clips, carotid clamps, cranial tongs, stereotactic devices, surgical microscopes, RF generators, transcutaneous electrical nerve stimulators, intracranial pressure-monitoring devices, and computed tomography practices. Monitors activities of ISO/TC 150/SC 3 and IEC/TC 62 through ASTM and AAMI.
Formerly	Merger of committees on Materials and Devices of the American Association of Neurological Surgeons and the Congress of Neurological Surgeons (1974)
Keywords	medical devices; neurosurgery; materials; instrumentation; medical care;

JUVENILE PRODUCTS MANUFACTURERS ASSOCIATION

William L. MacMillan, Executive Director

66 East Main Street
Moorestown, New Jersey 08057
(609) 234-9155

Founded: 1962

Standards Staff: 3

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	American Society for Testing and Materials
Certification	Sponsors a certification program for play yards and high chairs which provides a certification seal and directory listing for all products in compliance with ASTM Safety Specifications.
Scope	Association of manufacturers of juvenile furniture and accessories.
Standardization Activities	Advocates the use of ASTM Standards for performance of high chairs and requirements for play yards, carriages, and strollers.
Keywords	juvenile furniture; consumer products;

LABORERS INTERNATIONAL UNION OF NORTH AMERICA

Angelo Fosco, General President

905 16th Street NW.
Washington, D.C. 20006
(202) 737-8320

Telex: 710 820 0137

Founded: 1903

**Type of
Organization**

Labor Union
Works through other organizations to develop standards

Certification

Training facilities are set up throughout North America to gain a high competency level for members who are in the construction industry.

**Standardization
Activities**

Active in all model codes with continuous voting representation on the ASME A.40 Committee. Has a specific interest in standards development because of the health and safety of labor workers, as well as the public.

Formerly

Prior to 1965 International Hod Carriers, Building and Common Laborers' Union of America

Keywords

union; utilities; pipe installation; construction; safety;

LEAD INDUSTRIES ASSOCIATION

Werner T. Meyer, President

292 Madison Avenue
New York, New York 10017
(212) 578-4750

Telex: 148320

Founded: 1928

**Type of
Organization**

Trade Association
Works through other organizations to develop standards

Representation

75 members active in standardization activities
Represented on committees of ASTM, ANSI, NBS, ISO, ACS, NACE, AWS, and others.

Scope

A nonprofit trade association representing all segments of the lead industry. Serves as the industry's market development arm by promoting increased use of lead and its end-products in a cost-effective and environmentally sound manner.

**Standardization
Activities**

Maximizes the effectiveness of its representatives on national standards committees. Participates in developing standards for noise control, radiation protection, waste disposal, water-proofing, ceramics, solder, plastics, and batteries.

Committees monitor and assist the work of standards developing bodies within their areas of interest by designating committee members for liaison and coordination with appropriate code bodies.

Keywords

nuclear; noise control; solder; lead; materials;

LIBRARY BINDING INSTITUTE

Al Leitschuh, Executive Director

P.O. Box 217
Needham, Massachusetts 02016
(617) 740-1592

Founded: 1935

Type of Organization

Trade Association
Standards Developer

Standards Development

LBI Standard for Library Binding; first produced in 1971 and revised edition produced in 1981.

Certification

Certification program for members who are commercial library binders.

Scope

An international trade association of library binders, suppliers to the industry and all others interested in preserving the useful life of written materials. Works at providing members with information and services so that they can better serve their customers.

Standardization Activities

Works with ANSI and Z39 Committees. Also has developed inter-organizational Library Binding Institute standard for library binding.

Availability

Sold directly

Keywords

library binding; book binding; communications;

LIGHTNING PROTECTION INSTITUTE

Marvin M. Frydenlund, Managing Director

48 North Ayer Street
Harvard, Illinois 60033
(815) 943-7211

Founded: 1955

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1982
12 members participating in LPI standards development
4 members participating in NFPA standards development
None processed through ANSI

Standards Designations

LPI - 176, Lightning Protection Institute Components Standard
LPI - 177, Inspection Guide for LPI Certified Systems

Certification

Offers product certification for lightning protection systems, as well as in 5 skill areas including, Master Installer, Journeyman Installer, Systems Design, Systems Inspector, and Systems Design/Inspector.

Scope

An association comprised of manufacturers and dealers who supply and install components used in lightning protection systems for buildings and other structures.

Standardization Activities

Develops standards designed to cover all materials and components which might be under stress while a lightning protection system is conducting lightning current. Also covers metals from the standpoint of durability for they are subject to weathering and

possible damage from corrosion, physical impact, or reaction with dissimilar metals.

Availability Distributed directly and through LPI manufacturer members

Formerly Lightning Rod Manufacturers Association (1955)

Keywords lightning rods; lightning protection; building; safety;

MAGAZINE PUBLISHERS ASSOCIATION

see **AMERICAN ASSOCIATION OF ADVERTISING AGENCIES**

MAGNETIC MATERIALS PRODUCERS ASSOCIATION

Thomas D. Dolan, Executive Secretary

800 Custer Avenue
Evanston, Illinois 60202
(312) 864-8444

Founded: 1959

Type of Organization Trade Association
Standards Developer

Standards Development 20 members participate in standards development

Government Adoption Department of Defense has adopted 0100-78

Scope Primary objective is to promote the progress and development of the magnetic materials industry through standardization programs and other activities as may be necessary.

Standardization Activities The Standards and Engineering Committee of MMPA administers all standardization programs, which comprises approximately 50 percent of all the programs of MMPA. It has published 0100-78, Standard Specifications for Permanent Magnet Materials; PC 100, Standard Specifications for Ferrite Pot Cores; TC 200, Standard Specifications for Ferrite Threaded Cores; UEI 300, Standard Specifications for Ferrite U, E & I Cores. This committee is also conducting work on standard methods for magnetic testing, magnetization, stabilization, and measurement guidelines.

Availability Sold directly

Formerly Permanent Magnet Producers Association

Keywords magnetic materials; cores; electronic; materials;

MAN-MADE FIBER PRODUCERS ASSOCIATION

Charlie W. Jones, President

1150 17th Street NW.
Washington, D.C. 20036
(202) 296-6508

Telex: DC 89-2407-MMFPA

Founded: 1933

Standards Staff: 4

Type of Organization Trade Association
Works through other organizations to develop standards

Representation	Fifteen member companies of MMFPA are represented by the Association's Technical Committee on committees and task groups of ASTM, ANSI, ANMC, and NFPA.
Scope	Membership represents 90 percent of the U.S. producers of man-made fibers and yarns. Functions on a national scale to present the industry's position before voluntary standards groups and those government agencies that develop or reference standards applicable to the overall textile industry.
Standardization Activities	Not a standards developing organization. The association represents the industry before standards groups such as ASTM, ANSI, and NFPA concerned with flammability standards for textile products including apparel and home furnishing items, such as carpets, draperies, and upholstered furniture. Cooperates with NBS, including the NBS Research Associate program, to develop meaningful and relevant flammability test procedures, such as the Carpet Flooring Radiant Panel Test Method. Represents the industry before those groups which develop or reference methods and standards for other fiber/textile properties, performance and metrication. Monitors and develops appropriate actions of those government agencies which develop or reference standards impacting the man-made fiber/textile industry.
Keywords	fiber; yarn; textiles; clothing; carpet; draperies; bedding; fire protection;

MANUFACTURED HOUSING INSTITUTE

Jerry C. Connors, President

1745 Jefferson Davis Highway
Arlington, Virginia 22202
(703) 979-6620

Founded: 1936

Standards Staff: 1

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	The technical staff and membership participate in development of national standards in cooperation with ASHRAE, NFPA, ASTM, NCSBCS, UL, and others endorsed by ANSI.
Scope	A nonprofit trade association comprised of manufacturers and suppliers engaged in producing and servicing mobile/manufactured homes. Serves as a liaison to Congress and federal agencies in order to promote and protect the interest of the manufactured housing industry and its consumers. Provides monthly statistical reports on the industry and marketing strategies. Maintains a public relations program and sponsors annual expositions and forums.
Standardization Activities	The standards program is designed to assist members in making the manufactured home a safe, comfortable residence for the owner to live amid attractive surroundings. Advises the U.S. Department of Housing and Urban Development in their maintenance/proponency of the Federal Manufactured Home Construction and Safety Standards and Procedural and Enforcement Regulations (24 CFR 3280, 3282, 3283). These federal standards regulate the design and construction of the homes that are constructed by MHI members.
Formerly	Mobile Home Manufacturers Association (1936)
Keywords	mobile homes; factory built homes; building;

MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY

Sandra L. Street, Acting Secretary

5203 Leesburg Pike
Suite 502
Falls Church, Virginia 22041
(703) 998-7996

Founded: 1924

Type of Organization	Trade Association Standards Developer
Standards Development	Standard: developer since 1924 87 members 39 current standards or guidelines documents, all data presented bidimensionally
Standards Designation	MSS SP prefix
Government Adoption	Some SP's have been adopted for government agency use, more expected.
Secretariats	Informal secretariat for U.S. TAG's for ISO/TC 153 and SC 5, 10, and Working Group 14 of SC 1, in ISO/TC 5.
Scope	Addresses the needs for standardization, specification, and documentation related to industrial valves, fittings, flanges, pipe hangers, and valve actuators. Coverage is complementary to existing ANSI B16 standards, many of which were originally developed as MSS Standard Practice documents.
Standardization Activities	Develops and reviews standards. Published documents available for review. Maintains informal liaisons with ASME, API, AWWA, ASTM, and other committees.
Availability	Sold directly and through IHS, Global, IMI, and NSA
Keywords	valves; fluid controls; industrial equipment;

MANUFACTURING JEWELERS AND SILVERSMITHS OF AMERICA

George R. Frankovich, Executive Director

The Biltmore Plaza Hotel
Third Floor
Kennedy Plaza
Providence, Rhode Island 02903
(401) 274-3840

Founded: 1903

Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since 1933
Standards Designations	FTC rules for the jewelry industry
Government Adoption	Current rules adopted 1957, amended 1959 Proposed rules submitted January, 1983
Secretariats	Jewelers Vigilance Committee

Scope A national education and information organization for jewelry and silver product manufacturers.

Standardization Activities Engaged in marking, stamping, nomenclature, precious metals, semiprecious metals, stones, pearls, country origin marks, and related practices. Industry committees agree on proper standards in keeping with the U.S. National Stamping Act. These proposals are submitted to FTC for inclusion into "rules for the jewelry industry". Rules are generally enforced by FTC, periodic checks of merchandise are made by MJSA and JVC to assure that the standards are being properly followed.

Availability Distributed through the Federal Trade Commission

Keywords jewelry; precious metals; precious stones; gold; silver; materials; consumer products;

MAPLE FLOORING MANUFACTURERS ASSOCIATION

John E. Messervey, Executive Vice President
 8600 Bryn Mawr Avenue, Suite 720 South
 Chicago, Illinois 60631
 (312) 693-0990 Telex: 910-221-5870

Founded: 1897 Standards Staff: 1

Type of Organization Trade Association
 Standards Developer

Standards Development 60 members active in standards activities

Certification Certified products receive the association's written approval. Publishes a list of tested and accepted finishes periodically.

Scope Manufacturers of Northern Maple hardwood flooring. Establishes uniform grades and standards of products. Publishes pamphlets on installation and finishing of hardwood flooring.

Standardization Activities Establishes and enforces uniform grades and standards of products; improves methods of manufacture; and makes the association trademark a symbol of excellence in methods and materials. Establishes grading rules for hard maple, beech and birch flooring signify that the flooring is standardized and guaranteed by the association to be in accordance with the current established grading rules. Adopted specifications for heavy duty and for gymnasium type floor finish products. Revises specifications every three years for the purpose of improving performance characteristics of the heavy duty and gymnasium floor finishes.

Availability Distributed directly

Keywords wood; grading rules; inspection; lumber; flooring; building;

MARBLE INSTITUTE OF AMERICA

Robert Hund, Managing Director
 33505 State Street
 Farmington, Michigan 48024
 (313) 476-5558

Founded: 1944

Type of Organization Trade Association
 Works through other organizations to develop standards

Representation ANSI A94

Scope An organization composed of quarriers, fabricators, exporters, importers, distributors, finishers, installing contractors, and those who make and/or sell materials to the stone-working trade. Establishes standards for marble and the quality of workmanship related to its use.

Standardization Activities The Institute's Technical Committee is working toward modernization of American National Standards A94.1, A94.2, and A94.3.

Formerly Association of Marble Dealers

Keywords marble; stone; monuments; building; materials;

MARKING DEVICE ASSOCIATION

Thomas H. Brinkmann, Executive Secretary

708 Church Street
Evanston, Illinois 60201
(312) 328-3540

Founded: 1910

Type of Organization Trade Association
Standards Developer

Scope Manufacturers of marking devices including rubber and metal stamps, name plates, and seals.

Standardization Activities Prepares standards for various kinds of metal marking tools and dies. Included are standards for size and depth of marking characters, styles of symbol stamps, stock sizes for various stamp blanks. Other standards in use include those for bores and keyway sizes for roll dies, roller die blanks, and type and type holders for interchangeable steel type.

Develops standard terminology for all kinds of marking devices, including metal marking tools and dies, rubber stamps, seals, stencils, and marking inks.

Availability Distributed directly

Keywords marking devices; stamps; stencils; seals; inks; office products; manufacturing;

MASONRY AND CONCRETE SAW MANUFACTURERS INSTITUTE

Allen P. Wherry, Executive Director

14600 Detroit Avenue
712 Lakewood Center North
Cleveland, Ohio 44107
(216) 226-7700

Telex: 98-5559

Founded: 1981

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Designations ANSI B7.5

Scope Membership consists of manufacturers of conventional abrasive blades, masonry saws, concrete saws, diamond wheels, and others.

Standardization Activities Develops safety standards for the use of masonry and concrete saws. Works with ANSI and promulgates its documents through the Grinding Wheel Institute's Accredited Standards Committee B7.

Developed the ANSI Safety Code for The Construction Use and Care of Gasoline Powered, Hand Held, Portable, Abrasive, Cutting Off Machines.

Availability Distributed directly and through ANSI

Keywords abrasive blades; diamond wheels; masonry saws; concrete; industrial equipment;

MATERIAL HANDLING INSTITUTE

L. West Shea, Assistant Treasurer

1326 Freeport Road
Pittsburgh, Pennsylvania 15238
(412) 782-1624

Founded: 1945

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ANSI, ASME

Scope Represents manufacturers of industrial material handling equipment used in plants, plant-yards, piers, terminals, and warehouses.

Standardization Activities Product Sections, through Engineering Committees, develop source material for adoption as American National Standards under the canvass procedure of the American National Standards Institute, and furnish source materials to the American Society of Mechanical Engineers Standards Department for promulgation under ANSI procedures.

Comments on military specifications of the Naval Sea Systems Command, Army Mobility Command, Naval Construction Battalion Center and the Naval Engineering Center.

Absorbed Association of Lift and Portable Elevator Manufacturers

Keywords material handling; industrial equipment;

MECHANICAL CONTRACTORS ASSOCIATION OF AMERICA

William C. Bernathy, Director of Industry Affairs

5530 Wisconsin Avenue NW., Suite 750
Chevy Chase, Maryland 20815-4462
(301) 654-7960 Telex: 710-825-0423

Founded: 1889

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A construction trade association of 1600 firms employing approximately 150,000 persons. Members build systems that move both liquid and gas fluids. This includes fabrication and installation of heating, ventilating, air conditioning, plumbing, and process piping systems in multi-residential, commercial, public, and industrial facilities.

Standardization Activities Participates in national standards development with American National Standards Institute (ANSI); American Society of Mechanical Engineers (ASME); National Safety Council (NSC); Underwriters Laboratories (UL) for development of consensus standards related to heating, ventilating, air conditioning (HVAC), plumbing, piping, welding, safety, and other construction-related topics.

Keywords heating; piping; ventilating; air-conditioning; plumbing; welding; safety; construction; building;

MECHANICAL POWER TRANSMISSION ASSOCIATION

Thomas D. Dolan, Executive Secretary

800 Custer Avenue
Evanston, Illinois 60202
(312) 864-8444

Founded: 1933

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1936
Twenty member companies participate in standards activities
Standards processed through ANSI

Standards Designation MPTA and RMA/MPTA prefixes

Scope Manufacturers of multiple V-belt drive sheaves for mechanical power transmission machinery.

Standardization Activities Concerned with the development of standards and other programs concerning V-belt drive systems and devices, variable speed drives, synchronous drives, and other belt drives, and conveyor pulleys. Maintains liaison with the Rubber Manufacturers Association. V-belt and synchronous drive standards are developed in liaison with RMA.

Availability V-belt drive standards are available through RMA and conveyor and wing pulley standards are available through MPTA and IMI.

Formerly Multiple V-Belt Drive and Mechanical Power Transmission Association

Keywords conveyors; pulleys; belt drives; machinery; industrial equipment;

METAL BUILDING MANUFACTURERS ASSOCIATION

Charles M. Stockinger, General Manager

1230 Keith Building
Cleveland, Ohio 44115
(216) 241-7333

Telex: 980-393

Founded: 1956

Standards Staff: 3

Type of Organization Trade Association/Industry Voluntary Standards
Standards Developer

Scope Promotes the uses of metal buildings; deals with technical and trade promotional problems pertinent to the industry; compiles and publishes information of benefit to the industry and others interested in metal buildings; cooperates in the adoption and maintenance of standards for metal buildings.

Standardization Activities A Technical Committee prepares recommendations concerning such projects as methods used in application of design loads, recommended minimum thicknesses of steel used in manufacturing metal buildings in order to assure proper service, and other general recommendations for use by model code bodies in preparing or revising these codes in order to have properly constructed metal buildings. Works in conjunction with the American Iron and Steel Institute, model code bodies, the American Institute of Steel Construction, and other code committees to assure users that proper installations are made.

Availability Distributed directly

Keywords metal buildings; building; structures;

METAL CUTTING TOOL INSTITUTE

Charles M. Stockinger, Secretary/Treasurer

c/o Thomas Associates, Inc.
1230 Keith Building
Cleveland, Ohio 44115
(216) 241-7333

Founded: 1932

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Representatives on six Standards Technical Committees of ASME

Secretariats ASME TC 6/Milling Cutter Bodies

Scope A trade association of companies which produce rotary metal cutting tools. Aims to reduce manufacturing costs through standardization and eliminate waste, while encouraging competition. Encourages advances in engineering and manufacturing techniques, research and safety in the industry. Function as an industry voice in matters of business and national concern.

Standardization Activities Promotes the standardization of sizes, dimensions and tolerances in cooperation with the American National Standards Institute, the American Society of Mechanical Engineers and other national and international engineering organizations. Actively participates in technical and advisory committees of major national standardizing bodies. Promulgates American National Standards on twist drills, reamers, taps and milling cutters which form the basis of Federal specifications and individual company standards, as well as reflecting current United States industry practice in the formulation of ISO standards. Publishes the Metal Cutting Tool Handbook and pamphlets such as Drilled Holes for Tapping, Tolerances for Twist Drills and Reamers, and Standards and Dimensions for Taps and Dies.

Keywords tools; cutting tools; manufacturing;

METAL LADDER MANUFACTURERS ASSOCIATION

R. L. Werner, Secretary

P.O. Box 580, Osgood Road
Greenville, Pennsylvania 16125
(412) 588-8600

Founded: 1949

Type of Organization Trade Association
Standards Developer

Standards Designations	ANSI A10.x, ANSI A14.x, and ANSI A92.x
Scope	Manufacturers of light metal ladder products. Promotes standardization and simplification of products, sizes, and dimensions to eliminate waste and reduce cost. Conducts safety research.
Standardization Activities	Works on ANSI code committees for ladders, stages, and scaffolds. Promulgates safety standards pertaining to products manufactured by its members, specifically Safety Code and Portable Metal and Fiberglass Ladders. Active on ANSI committees for portable metal ladders, mobile scaffolds, ladder towers and telescopic work platforms; construction code; and temporary scaffolding.
Availability	Sold directly and through ANSI
Keywords	metal ladders; ladders; planks; scaffolds; industrial equipment; consumer products;

METAL POWDER INDUSTRIES FEDERATION

	Kempton H. Roll, Executive Director
	Princeton Forrestal Center 105 College Road East Princeton, New Jersey 08540 (609) 452-7700
	Telex: 510-685-2516
	Founded: 1945
	Standards Staff: 3
Type of Organization	Trade Association Standards Developer
Standards Development	110 active standards None processed through ANSI
Scope	Serves technical and trade interests of metal powder producing and consuming industries. Composed of the Metal Powder Producers Association, Powder Metallurgy Parts Association, In-Plant Powder Metallurgy Association, Powder Metallurgy Equipment Association, and Refractory and Reactive Metals Association.
Standardization Activities	Issues material and test standards in the field of powder metallurgy and magnetic cores dealing with ferrous and nonferrous materials and industry practices. Maintains a Standards Board and three standards committees to coordinate its activities. Reviews Federal specifications issued by the General Services Administration. Participates on ISO Committee TC/119, Metal Powder, and Metal Powder Products.
Availability	Distributed directly
Formerly	Metal Powder Association (1957)
Keywords	metal powder; metallurgy; materials;

METAL TREATING INSTITUTE

	M. Lance Miller, Executive Director
	1311 Executive Center Drive, Suite 200 Tallahassee, Florida 32301 (904) 878-6185
	Founded: 1933
Type of Organization	Trade Association Standards Developer

Scope	Provides technical data to agri-processing plants for the reduction of loss to property by fire or wind and to personnel by injury within the plant.
Standardization Activities	<p>Develops standards for reducing fire hazards in grain processing plants. Standards include dust control, design of cyclone collectors, standards for mechanical drives, electrical codes, control of insect, and fumigation, etc.</p> <p>Also works in the area of plant protection through standards involving local and central station fire alarm systems, non-standard sprinkler installations, installation of portable fire extinguishers, etc.</p> <p>Publishes a Loss Prevention Engineering Bulletin which lists 25 pamphlets directed toward safe practices in agri plants. Engineering members are engaged on National Fire Protection Association committees and committees of the National Safety Council. Works closely with trade associations in the field of flour milling, animal feeds, grain elevator operations, and poultry raising. As problems arise, research is done by the Engineering Department and material is made available to assist in the reduction of loss of property or life.</p>
Availability	Distributed directly
Keywords	fire protection; fire prevention; insurance; agriculture;

MINERAL INSULATION MANUFACTURERS ASSOCIATION

Sheldon H. Cady, Executive Vice President

382 Springfield Avenue
Summit, New Jersey 07901
(201) 277-1550

Founded: 1933

Standards Staff: 1

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Members active in ASTM C16 and E6; ASHRAE TC4.4; Model building code organizations; ISO committees concerned with insulation.
Certification	Initiated, with NAHB Research Foundation, programs for the certification of mineral fiber batts, blankets, and loose wool.
Scope	A nonprofit organization rendering services to promote the welfare and development of mineral wool insulation products designed for installation in buildings utilized for human occupancy.
Standardization Activities	Develops standards and specifications, national in scope, referring to mineral wool insulation products. Cooperates with and advises government agencies at all levels on thermal performance standards that will contribute to the conservation of energy. Also advises and consults with other energy suppliers and professional organizations regarding standards, research, applications, and other related matters.
Formerly	<p>National Association of Rock and Slag Wool Industries (1933)</p> <p>National Rock and Slag Wool Association (1936)</p> <p>National Mineral Wool Association (1938)</p> <p>National Mineral Wool Insulation Association (1960)</p> <p>Mineral Insulation Manufacturers Association, Inc. (1978)</p>
Keywords	mineral wool; mineral fiber; rock wool; fiberglass; insulation; energy conservation; building; materials;

MONORAIL MANUFACTURERS ASSOCIATION

William Hakanson
1326 Freeport Road
Pittsburgh, Pennsylvania 15238
(412) 782-1624 Telex: 710 664 4202
Founded: 1933 Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development Standards Developer since 1933
Six member companies participate in standards activities
Two active standards; both processed through ANSI

Standards Designation ANSI MH27.1 and ANSI B30.11

Scope Manufacturers of overhead, underhung, material handling equipment including monorails, stacker cranes, and underhung traveling cranes.

Standardization Activities Works with ASME, ANSI, American Welding Society, American Foundrymen's Society, and others to develop design and safety standards and specifications for underhung cranes and monorail systems.

Availability Sold directly and through ANSI

Keywords monorail; underhung crane; industrial equipment;

MO-SAI INSTITUTE

R. C. Robinson, Secretary/Treasurer

P.O. Box 685
Redmond, Washington 98052
(206) 885-2833

Founded: 1940

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1940
Standards for design, manufacture, and quality assurance in the fields of precast and prestressed architectural concrete and glass fiber concrete

Government Adoption Standards cited by GSA, Army Corps of Engineers, Navy Facilities Command.

Certification Through programs of American Concrete Institute, Prestressed Concrete Institute, ASTM

Scope A nonprofit organization that is organized to standardize, improve, and promote the use of precast architectural concrete. Standardization is administered by the Technical Committee.

Standardization Activities Current standards are contained in one publication, Standard Specifications of Mo-Sai Institute. Standards are national in scope and are promoted through market development activities of member companies.

Availability Distributed directly

Keywords concrete; precast concrete; prestressed concrete; building; construction;

MOTOR VEHICLE MANUFACTURERS ASSOCIATION OF THE UNITED STATES

John C. Scowcroft, Director, Technical Services

300 New Center Building
Detroit, Michigan 48202
(313) 872-4311

Founded: 1913

Type of Organization

Trade Association
Works through other organizations to develop standards

Scope

Manufacturers of passenger and commercial cars, trucks, and buses. Compiles statistics; conducts research programs and legislative monitoring on federal and state levels.

Standardization Activities

Practically all engineering standardization work arising in the industry represented by this organization is conducted through the Society of Automotive Engineers, financed in substantial part by grant from the Association. The Association cooperated with the National Conference on Street and Highway Safety in the preparation and promulgation of state and city traffic ordinances. This work continues under the National Committee on Uniform Traffic Laws and Ordinances. This Association is a member of the American National Standards Institute and participates in standards related to motor vehicles and their use. The Association participates in the Bureau Permanent International des Constructeurs d'Automobiles.

Formerly

Automobile Manufacturers Association, Inc. (1972)
National Automobile Chamber of Commerce

Keywords

automobiles; automotive; trucks; buses; cars; transportation;

MTM ASSOCIATION FOR STANDARDS AND RESEARCH

James P. O'Brien, Director

16-01 Broadway
Fair Lawn, New Jersey 07410
(201) 791-7720

Founded: 1951

Type of Organization

Technical Society
Standards Developer

Scope

A nonprofit organization primarily engaged in research and training in the field of methods-time-measurement (MTM). Maintains the following committees: Training and Qualifications; Membership; Conference; Public Relations; Administration and Policy Planning; Research; Member Services; and Finance.

Standardization Activities

Establishes standards for a methodology for deriving a time to perform a given manual task including standardization data for clerical operations, work under the microscope, and work in maintenance areas.

Maintains an Association for Standards and Research composed of academicians, individual members and corporate memberships that include various branches of the Government, insurance companies, manufacturing facilities, banks, educational institutions, consultant companies, the Association for the Blind, etc.

Availability

Distributed directly

Keywords

measurement; time management; manufacturing;

**NATIONAL ACCREDITATION COUNCIL FOR AGENCIES SERVING THE BLIND
AND VISUALLY HANDICAPPED**

Dr. James D. McComas, President

79 Madison Avenue
Room 1406
New York, New York 10016
(212) 683-8581

Founded: 1967

**Type of
Organization**

Technical Society
Standards Developer

Scope

Develops standards and administers a voluntary system of accreditation for local, state, and national agencies providing direct services to blind and visually handicapped persons.

**Standardization
Activities**

Develops and updates standards for the management and services for agencies and schools for the blind and visually handicapped and administers a voluntary system of accreditation. Twenty-five sets of standards cover all areas of administration and service delivery for schools, workshops, rehabilitation centers, and other organizations serving blind and visually handicapped persons.

Standards are used as guidelines for reviewing degree of compliance by schools and agencies. Accreditation is awarded relative to compliance with Council standards, which are revised periodically. Public recognition of accreditation is made by the Commission on Accreditation. Accreditation may be granted for maximum of five years or for less than the maximum period. The Commission may grant accreditation, deny it, or postpone a decision.

Availability

Sold directly

Keywords

blindness; rehabilitation; low vision; social welfare;

NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS

A. L. Sisco, Executive Vice President

221 North LaSalle Street, Suite 2026
Chicago, Illinois 60601
(312) 346-1600

Founded: 1937

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

Six active standards
One processed through ANSI
Draft standards revisions available for review

**Standards
Designations**

NAAMM Standard, NAAMM Recommended Voluntary Standard, ANSI/NAAMM prefix

Scope

A nationwide association of fabricators of architectural, commercial, residential, ornamental, miscellaneous, and hollow metal products. Promotes mutual interests and cooperation among members of industry; promotes educational and informational activities; compiles and disseminates statistics; furnishes technical information to architects and engineers; maintains and improves technical standards of the industry; conducts studies and surveys

to increase the use of the markets for industry products; promotes and assists in the development of new products.

**Standardization
Activities**

Four divisions active in standards activities including Architectural Metal Products Division, Flagpole Division, Hollow Metal Manufacturers Association Division, and Metal Bar Grating Division. Voluntary standards and specifications developed for metal stairs, metal stair railings, pipe railings, flagpoles, hollow metal doors and frames, and metal bar gratings which are widely accepted by architects, engineers, specification writers, code groups, and government agencies.

Publishes the Metal Stairs Manual, Metal Bar Grating Manual, Metal Product Outline Manual, Metal Flagpole Manual, Fire Rated Hollow Metal Doors and Frames, Hollow Metal Technical and Design Manual, and Metal Finishes Manual. Also revises and updates standards on a regular basis. Also provides representation to ASTM committees where appropriate to the development of performance and testing standards.

Availability

Distributed directly

Formerly

National Association of Ornamental Metal Manufacturers. Absorbed the National Steel Door and Frame Association (1962)

Keywords

architectural metals; stairs; railings; bar-gratings; flagpoles; doors; door frames; building;

NATIONAL ASSOCIATION OF BEDDING MANUFACTURERS

Herbert L. Grossman, Executive Vice President

1235 Jefferson Davis Highway, Suite 601
Arlington, Virginia 22202
(703) 979-3550

Founded: 1915

**Type of
Organization**

Trade Association
Works through other organizations to develop standards

Scope

Represents manufacturers of mattresses, bedsprings, and dual purpose sleep equipment as well as suppliers of machinery, raw and finished materials, components and other supplies, and services necessary to the manufacture of bedding.

**Standardization
Activities**

Since 1922, instrumental in the development of voluntary "size standards" for bedding products and components. These have included the National Bureau of Standards Simplified Practice Recommendation, R-2 series, issued as ANSI Standards, Z357.1-1981.

Keywords

bedding; mattresses; consumer products;

NATIONAL ASSOCIATION OF BROADCASTERS

Thomas Keller, Senior Vice President
Science and Technology

1771 N Street NW.
Washington, D.C. 20036
(202) 293-3557

Founded: 1922

**Type of
Organization**

Trade Association
Standards Developer

Standards Development	Standards developer since 1941 100 members participate in establishing standards for recording and reproducing.
Standards Designations	NAB and NARTB prefixes
Certification	No certification, qualification, or accreditation programs
Secretariats	NAB is the secretariat of the Advanced Television Systems Committee whose purpose is to coordinate the development of voluntary national standards for Advanced Television Systems in the U.S.
Scope	Represents membership of 4500 radio and 700 television stations, including the major networks. Represents the industry before Congress, the White House, and federal regulatory agencies.
Standardization Activities	Maintains standards committees regarding the retention and review of existing NAB standards and practices. As a member of the Joint Committee on Inter-Society Coordination composed of the NAB, EIA, IEEE, NCTA, and SMPTE, the NAB participates in many standards setting committees representing broadcaster and broadcasting interests. Standards pertain to recording and reproducing disc, cartridge tape, reel-to-reel magnetic tape, and cassette, as well as methods of measurement. They include standard playback curves, response limits and criteria for establishing test records and tapes. They also contain mechanical dimensions for records, reel flanges and hubs, tape cartridges, and cassettes.
Availability	Distributed directly
Formerly	National Association of Radio and Television Broadcasters (NARTB) (1951-1957)
Keywords	disc recording; tape recording; cartridge tape; cassette tape; broadcast; advanced television systems; communications;

NATIONAL ASSOCIATION OF CHAIN MANUFACTURERS

	Ross G. Wilcox, Executive Vice President 500 North Michigan Avenue Chicago, Illinois 60611 (312) 644-7179 Founded: 1932
Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Standards committees of ASTM, ASME, and others
Scope	Ten manufacturers of welded chain, weldless chain, and tire chains. In addition to standardization, the Association promotes the use of chain and serves as a liaison in contacts with technical and professional groups and federal governmental agencies.
Standardization Activities	The Association has three committees involved in various aspects of standards development and coordination. These are the Engineering Subcommittee, Ad Hoc Committee on Metrication, and Tire Chain Technical Subcommittee. Along with development of industry standards, members of these groups serve on various standards setting bodies.
Formerly	The Chain Institute
Keywords	chain; tire chains; industrial equipment; transportation;

NATIONAL ASSOCIATION OF CORROSION ENGINEERS

John Swinburn, Associate Executive Director
Operations Division

P.O. Box 218340
Houston, Texas 77218
(713) 492-0535

Telex: 792-310

Founded: 1943

Standards Staff: 3

Type of Organization

Technical Society
Standards Developer

Standards Development

Standards developer since 1966
2200 members participating in standards activities
46 active standards
None processed through ANSI
Draft standards available for review

Standards Designation

NACE MR, Material Requirement
NACE TM, Test Methods
NACE RP, Recommended Practice

Government Adoption

Several standards are referenced in state and federal regulations.

Certification

Certifies coating inspectors; accreditation program with five categories, each of which is designed to recognize competence levels in corrosion work.

Secretariats

Serves as U.S. Technical Advisory Group Administrator to ISO/TC 35/SC 12, Preparation of Steel Surfaces before Application of Paint and Related Products.

Scope

Assists the public and industrial communities to conserve energy and materials through corrosion control and materials selection. Provides a forum for the presentation of new technology and evaluation of existing technology; publishes literature concerned with the science and engineering of corrosion; supports the needs of other learned societies by supplying information regarding the science and engineering of corrosion control and materials selection; establishes and publishes technical standards and practices to guide producer and user industries; promotes the recognition of corrosion engineering as a profession by means of education, accreditation, and certification programs.

Standardization Activities

Standardization activities accomplished through approximately 300 technical committees which are composed of representatives from industries in which corrosion is a problem. Identifies standardized problems and solutions. Assembles information to define the problems. Develops standards which are reviewed by interested industry parties. Standards represent a consensus of persons substantially concerned with their subjects.

Makes concerted efforts to involve other technical societies in relevant standardization activities through formal liaison.

Primary focus on standardization has been related to development of performance standards. Standards have been proposed regarding performance (resistance to corrosion) of offshore steel platforms, performance of cathodic protection systems, and performance of materials in corrosive environments.

Availability

Distributed directly and through IHS

Keywords

corrosion; materials degradation; materials;

NATIONAL ASSOCIATION OF COUNTY ENGINEERS

Milton L. Johnson, Secretary/Treasurer

326 Pike Road
Ottumwa, Iowa 52501
(515) 684-6928

Founded: 1956

Type of Organization Professional Society
Standards Developer

Scope Identifies various technical and management problems common to most counties and documents their solutions. Conducts workshops and holds a Management Research Conference annually. Affiliated with the National Association of Counties.

Standardization Activities Publishes Action Guide Manuals which emphasize standards for county engineering management and procedures for simplified engineering and technical analysis. Subjects include: organization-personnel purchasing; cost records; advance road programs; county planning; planning county road systems; refuse disposal; county traffic operations; maintenance management; public support; spot safety improvements; bridge inspection; soil erosion and water pollution prevention; aerial photography; drainage; travel generation; and subsurface soils exploration. Works closely with federal departments, Congressional Committees, the Highway Research Board, and state agencies.

Availability Distributed directly

Keywords county; government officials; construction; facilities management;

NATIONAL ASSOCIATION OF ELEVATOR CONTRACTORS

Jack F. Faser, Executive Director

2964 Peachtree Road NW.
Atlanta, Georgia 30305
(404) 261-0166

Founded: 1949

Type of Organization Trade Association
Standards Developer

Certification In cooperation with the Building Officials and Code Administrators and the National Association of Elevator Safety Authorities, classes are conducted leading to certification of Elevator Safety Inspectors.

Scope A nonprofit, nongovernment corporation comprised of independent elevator contractors and their suppliers.

Standardization Activities Thirty percent of the association's activities are devoted to the development, promulgation, and education of the industry of the American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks (American National Standard A17.1). Committees serve on the Executive Committee and the Standards Committee of the A17.1 Safety Code.

Keywords elevators; dumbwaiters; escalators; building;

NATIONAL ASSOCIATION OF FURNITURE MANUFACTURERS

Joseph Ziolkowski, Membership and Technical Director

5515 Security Lane
Suite 530
Rockville, Maryland 20852
(301) 984-8051

Founded: 1928

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	ASTM, ANSI
Scope	Established a Joint Industry Upholstery Fabric Committee with the Southern Furniture Manufacturers Association consisting of 11 leading furniture manufacturers and technical experts from fabric mills and representatives from retail organizations, such as Sears Roebuck and J. C. Penney.
Standardization Activities	Meets with the National Bureau of Standards (NBS) to develop wearability standards for upholstery fabrics in order to distinguish wearability characteristics into such categories as heavy duty, medium, light wear, and decorator fabrics. Proposed standards and test procedures are submitted to NBS and subsequently presented to the American National Standards Institute (ANSI) and the American Society for Testing and Materials (ASTM) for review.
Keywords	upholstery; textiles; furniture; consumer products;

NATIONAL ASSOCIATION OF GARAGE DOOR MANUFACTURERS

June G. Fitzgerald, Executive Secretary

655 Irving Park at Lake Shore Drive
Suite 201 Park Place
Chicago, Illinois 60613
(312) 525-2644

Founded: 1968

Standards Staff: 1

Type of Organization	Trade Association Standards Developer
Standards Development	One active standard
Scope	Promotes the quality and safety of sectional overhead type doors.
Standardization Activities	Developed American National Standard, A216.1-1977 (NAGDM 102-1976), Specifications for Sectional Overhead Type Doors. Standard includes performance criteria and test methods for acceptable safety, quality, and durability of sectional overhead type doors intended for residential use and commercial or industrial use on garages, warehouses, service stations, and other places requiring doors generally used for vehicular traffic.
Availability	Distributed directly and through ANSI
Formerly	Midwest Garage Door Manufacturers Association (1972)
Keywords	doors; overhead doors; buildings;

NATIONAL ASSOCIATION OF HOSIERY MANUFACTURERS

Matthew C. Kurtz, Vice President

447 South Sharon Amity Road
Charlotte, North Carolina 28211
(704) 365-0913

Founded: 1905

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Designation**

Commercial Standards, CS prefix

Scope

Composed of manufacturers who knit or otherwise process hosiery of any type. Develops standards for hosiery measurement, performance, and quality.

**Standardization
Activities**

Active in technical research leading to standards concerning size systems and terminology for various types of hosiery. NAHM Sizing Standard is an industry standard using body measurements for the sizing of men's, women's, and children's knee-high and shorter hosiery. Developed a simple method for use in describing women's pantyhose in order to provide wearers with properfitting garments. Instrumental in developing measurement standards.

Availability

Distributed directly

Keywords

sizes; hosiery; clothing; consumer products;

NATIONAL ASSOCIATION OF HOSPITAL PURCHASING MATERIALS MANAGEMENT

Betty Hanna, Executive Director

Box 2436
Des Moines, Iowa 50311
(515) 270-8201

Founded: 1957

**Type of
Organization**

Professional Society
Standards Developer

Certification

The Professional Development Committee has established guidelines for the certification of hospital purchasing managers.

Scope

A nonprofit professional organization of hospital purchasing directors. Fosters an increased knowledge of and proficiency in purchasing management; conducts and participates in educational programs and activities; provides media for the interchange of ideas and dissemination of material relative to hospital purchasing management.

**Standardization
Activities**

Establishes standards of performance for individuals and institutions in the various areas of hospital purchasing management through certification and educational conferences and research in hospital purchasing management.

Formerly

National Association of Hospital Purchasing Management (1968)
National Association of Hospital Purchasing Agents (1957)

Keywords

hospital management; purchasing; general; health care;

NATIONAL ASSOCIATION OF INDUSTRIAL AND OFFICE PARKS

Sid R. Peters, Executive Vice President

1700 North Moore Street
Suite 1010
Arlington, Virginia 22209
(703) 525-5638

Founded: 1967

Type of Organization	Trade Association Works through other organizations to develop standards
Scope	A trade association of developers of industrial and office parks and others interested in commercial real estate. Aims to stimulate the growth of the office and industrial park industry, to improve the prospects and profits of its members, and to foster establishment and maintenance of standards for the operation of park complexes.
Standardization Activities	Cooperates to develop and utilize standards in the areas of paved streets, utility systems for multiple users, setback or percentage coverage requirements, landscaping, offstreet parking, and architectural control.
Formerly	National Association of Industrial Parks
Keywords	industrial parks; office parks; building; construction; facilities management;

NATIONAL ASSOCIATION OF JEWELRY APPRAISERS

Richard E. Baron, Executive Director

4210 North Brown Avenue
Scottsdale, Arizona 85251
(602) 941-8088

Founded: 1981

Type of Organization	Trade Association Standards Developer
Standards Development	Developer of Jewelry Appraisal Standards since 1981 400 members participating in standards activities
Certification	Certification of qualified and accredited member appraisers
Scope	A professional association exclusively devoted to the jewelry appraisal profession. The association functions on a national and international basis. Works to disseminate information, improve methods of appraisal valuation, and share opinions on areas of common interest.
Standardization Activities	The standardization activities of the association are directed toward user-defined requirements for the industry and those who require a professional opinion as to value. Major activities include Appraisal Forms, Related Work Sheets, and Terminology. New areas of standards which are applicable to the industry are being developed and reviewed.
Availability	Distributed directly
Keywords	jewelry appraisers; gems; diamonds; gemology, consumer products;

NATIONAL ASSOCIATION OF MANUFACTURING OPTICIANS

William J. Flannery III, Executive Director

13140 Coit Road
Box 144
Dallas, Texas 75240
(214) 231-NAMO

Founded: 1975

Type of Organization Trade Association
Standards Developer

Scope A nonprofit trade association of individuals and businesses engaged in the manufacture and production of prescription eyewear or related ophthalmic goods and services.

Standardization Activities Dedicated to standards development through regulation, legislation, and education of the public. Cooperates with ANSI, the Total Ophthalmic Community Conference, ISO, and the National Association of Wholesaler-Distributors. Developed a bar code for optical products.

Availability Distributed directly

Keywords ophthalmology; optician; optics; ophthalmic products;

NATIONAL ASSOCIATION OF NAME PLATE MANUFACTURERS

Kenneth M. Sufka, Executive Vice President

1135 15th Street NW.
Washington, D.C. 20005
(202) 429-9440

Founded: 1951

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1969

Standards Designation Nameplate Industry Standards and Practices

Government Adoption Military Specifications for nameplates

Scope Membership accounts for approximately two-thirds of the total business volume of the name plate manufacturing industry in the United States. The term "name plate" refers to any metal plate that has been etched, embossed, stamped, engraved, or imprinted and which is fastened to another object for purposes of identification, instruction, or decoration.

Standardization Standards represent a relatively small but highly significant portion of the association's activities. In 1969 published Metal Name Plate Industry Standards and Practices. This book is the only set of standards in existence for the industry in the U.S., among the subject areas covered are: nomenclature, finishes, fabrication tolerances, materials, fastening methods, inspection, reject procedure, delivery, and equipment preparation. Copies have been distributed throughout the industry and to customers of the industry in both private and public sectors for their information and use in writing specifications. The Book of

Standards Committee is responsible for compiling and coordinating changes.

Availability Sold directly

Formerly National Association of Metal Nameplate Manufacturers (1968)

Keywords nameplates; industrial equipment; office products;

NATIONAL ASSOCIATION OF PHOTOGRAPHIC MANUFACTURERS

Richard Hittner, Manager
Domestic Standards

James A. Peyton, Manager
International Standards

660 Mamaroneck Avenue
Harrison, New York 10528
(914) 696-7603

Founded: 1946

Standards Staff: 3 full-time
2 part-time

Type of Organization Trade Association
Standards Developer

Standards Development 700 members active in standards development
90 active international standards
225 ANSI approved standards

Standards Designations ASC/PH prefix

Secretariats ASC/PH1, Photographic Films, Plates, and Papers
ASC/PH2, Photographic Sensitometry
ASC/PH3, Photographic Apparatus
ASC/PH4, Photographic Processing
ASC/PH7, Instructional Audiovisual Systems Standards

ISO/TC 42, Photography
U.S. Technical Advisory Group ISO/TC 42

Scope An association for manufacturers of image technology products. Promotes and encourages a wider understanding and appreciation of image technology, and a greater use of image technology products worldwide.

Standardization Activities Promotes standardization of all photographic products, and methods of testing product performance. Ensures interchangeability and compatibility of photographic components and materials.

Domestic standards committees are accredited by the American National Standards Institute and follow a voluntary consensus system. Proposes programs of work and gives direction and guidance to the various Accredited Standards Committees while maintaining over 225 approved standards. Cooperates with ANSI, ASTM, ANMC, IEEE, NEMA, SMPTE, ISO, and IEC.

International activities include developing international photographic standards under ISO procedures, and maintaining close liaison with other international standards developing organizations in allied fields. Promotes participation in the activities of the International Electrotechnical Commission (IEC) through NAPM's domestic and international standards committee secretariats.

Availability	Draft standards distributed directly Published standards distributed through ANSI
Keywords	image technology; photography; photographic products; photographic optics; x-ray; film; photographic accessories;

NATIONAL ASSOCIATION OF PIPE COATING APPLICATORS

Merritt B. Chastain, Jr., Managing Director

717 Commercial National Bank Building
Shreveport, Louisiana 71101
(313) 227-2769

Founded: 1964

Standards Staff: 8

Type of Organization	Trade Association Standards Developer
-----------------------------	--

Standards Development	Standards developer since 1965 One hundred members participate in standards activities; continuously reviewed and revised None processed through ANSI Draft standards available for review by members
------------------------------	--

Standards Designations	NAPCA Bulletin
-------------------------------	----------------

Scope	A trade association for the plant pipe coating application industry. Comprised of companies engaged in the manufacture or sale of materials, supplies, equipment, or services, and those utilizing coating products. Promotes the general welfare of the industry, stimulates the use of coating and related materials, standardizes and improves specifications and materials, aids consumers and manufacturers in their coating material research, cooperates with other industries and organizations, and disseminates information to its members, its customers and the public.
--------------	---

Standardization Activities	Develops and revises pipe coating application specifications, standards, and suggested procedures. Publishes Pocket Edition of National Association of Pipe Coating Applicators Specifications and Plant Coating Guide which contains all current and revised specifications. Most recent revisions completed in 1983.
-----------------------------------	--

Availability	Distributed directly
---------------------	----------------------

Keywords	pipe coating; corrosion protection; insulation; coating; construction;
-----------------	--

NATIONAL ASSOCIATION OF PLASTIC FABRICATORS

Denton R. Hudgeons, Executive Director

P.O. Box 1288
300 Arcade Square
Dayton, Ohio 45402
(513) 223-2264

Telex: 80-4294 SPEDEX-ATL

Type of Organization	Trade Association Works through other organization to develop standards
-----------------------------	--

Certification	Product quality control according to ANSI A161.2-1979; 23 companies participate
----------------------	---

Scope Manufacture.s of decorative plastic laminated products for residential and commercial uses. Products include countertops, work surfaces, wall paneling, partitions, and cabinet doors.

Standardization Activities Participates in maintenance and compliance with ANSI standards A161.2-1979 for high pressure decorative laminate countertops used in home kitchens and commercial establishments.

Keywords countertop; laminates; materials; buildings;

NATIONAL ASSOCIATION OF PLUMBING-HEATING-COOLING CONTRACTORS

Russell J. Alessi, Director of Technical Activities

1016 20th Street NW.
Washington, D.C. 20036
(202) 331-7675

Founded: 1883

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ANSI Committees A119, B16, B31; Z223, Fuel Gas Code; ASTM, IAPMO, GSA, and UL

Government Adoption Department of Housing and Urban Development has adopted the National Standard Plumbing Code.

Scope Advances and encourages better methods and practices in the field of plumbing, hydronic heating, and hydronic cooling; advances sanitation and sanitary laws and techniques in air-conditioning leading to better protection of the health and welfare of the public; improves plumbing appliances and fixtures and heating and cooling equipment and parts; promotes equitable relations between contractors, journeymen, and other employees and between manufacturers and jobbers in supplies used in the plumbing, heating, cooling, gas-fitting, and drainage business. 6000 members.

Standardization Activities Maintains a Technical Committee which administers the standardization activities. Developed and published the National Standard Plumbing Code which was adopted by the Department of Housing and Urban Development in 1973.

Availability Distributed directly

Formerly National Association of Master Plumbers (1962)

Keywords plumbing; heating; air-conditioning; building; sanitation;

NATIONAL ASSOCIATION OF PUNCH MANUFACTURERS

Charles H. Till, Executive Secretary

1173 West River Parkway
Grand Island, New York 14072
(716) 773-5720

Founded: 1963

Type of Organization Trade Association
Standards Developer

Standards Development All standards processed through ANSI

**Standards
Designations**

ANSI

Scope

Devoted to standardization of all punches, dies, and retainers manufactured by various member companies.

Availability

Distributed through ANSI

Keywords

manufacturing; tools;

NATIONAL ASSOCIATION OF PURCHASING MANAGEMENT

R. Jerry Baker, Executive Vice President

496 Kinderkamack Road
Oradell, New Jersey 07649
(201) 967-8585

Founded: 1915

**Type of
Organization**

Professional Society
Works through other organizations to develop standards

Certification

Certified Purchasing Manager Program which establishes a standard of competency.

Scope

Provides national and international leadership in purchasing and materials management research and education. Provides opportunities for expansion of professional skill and knowledge. Encourages public understanding of the purchasing and materials management concepts.

**Standardization
Activities**

Promulgates standards through company standardization programs. Sponsors educational programs which are related to the broad field of standardization and simplification. In an effort to further advance sound principles of purchasing and to elevate the purchasing profession, this committee's professional development program publishes a series of handbooks.

Formerly

National Association of Purchasing Agents (1968)

Keywords

purchasing; materials management; business;

NATIONAL ASSOCIATION OF RECYCLING INDUSTRIES

M. J. Mighdoll, Executive Vice President

330 Madison Avenue
New York, New York 10017
(212) 867-7330

Founded: 1913

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

6 divisions active in standards development
5 active sets of standards

Scope

A membership organization of collectors, processors, importers, exporters, refiners, and converters of scrap metal, waste paper, waste textile, and rubber.

**Standardization
Activities**

Developer of five sets of internationally recognized standards covering delivery and quality standards for trading nonferrous scrap metal; delivery and quality classifications for trading in

paper stock, wool stock, cotton and synthetic fibers, and scrap rubber. These are reviewed and revised by the Association's commodity divisions.

Availability Distributed directly

Formerly Rubber Reclaimers Association (1977)
National Association of Secondary Material Industries (1974)
National Association of Waste Material Dealers (1960)

Keywords recycling; waste; recoverable waste; scrap metal; materials;

NATIONAL ASSOCIATION OF RELAY MANUFACTURERS

A. C. Johnson, Executive Director

P.O. Box 1506
Elkhart, Indiana 46515
(219) 264-9421

Founded: 1947

Type of Organization Trade Association
Standards Developer

Scope Promotes the standardization of terminology and test procedures in the manufacture and uses of relays. Cosponsors a National Relay Conference to provide engineers and specialists concerned with relays the opportunity to present results of their technical investigations to representatives of prominent relay manufacturers, users, and academicians.

Standardization Activities Maintains standards committees which coordinate member activities with relay users and Government agencies in establishing specifications for relays. Cooperates with Electronic Industries Association and others to write standards for reed switches, solid state relays, and mercury displacement relays. Develops other specifications for low carbon and silicon steels, and EMI iron for use in magnetic circuits for relays. Publishes Engineers Relay Handbook which contains specifications relating to terminology and test procedures. It is an all-encompassing engineering reference source, covering all relays from electromechanical to hybrid and solid state. Also publishes the booklet, Definitions of Relay Terms.

Availability Distributed directly

Keywords relays; electrical equipment;

NATIONAL ASSOCIATION OF ROCKETRY

James P. Miller, President

182 Madison Drive
Elizabeth, Pennsylvania 15037
(412) 384-6490

Founded: 1958

Standards Staff: 4

Type of Organization Scientific Society
Standards Developer

Standards Development Standards developer since 1958
10 manufacturers participate in standards activities
2 active standards

Government Adoption 45 state governments use NAR Safety Certification as a prerequisite for sale.

Certification See below

Scope A national hobby service organization for model rocketeers. Provides a monthly magazine, technical materials, liability insurance, and education programs for its members. Sanctions local clubs and local contests. Homologates national model rocket flight records. The U.S. Representative to the FAI CIAM Subcommittee on Space Models where it interacts internationally with other hobby organizations. Chairs the NFPA Committee on Pyrotechnics and works closely with the HIA to monitor state and national hobby legislation.

Standardization Activities Certifies model rocket motors for safety prior to their sale in 45 states. Certification is based upon the reliability of the motors, casing temperatures, and the total impulse. Contest certifies model rocket motors prior to their use in Association sanctioned contests.

Recertifies model rocket motors every third year. Established a random sampling program to spot check motors for sale to consumers on hobby shop shelves. Maintains records of motor failures filed by its members, these records are provided to the manufacturers as input for product correction and development.

Availability Distributed directly

Formerly Model Missiles, Inc. (1958)

Keywords pyrotechnics; model rockets; aeromodeling; recreation;

NATIONAL ASSOCIATION OF STATE PURCHASING OFFICIALS

Darrell D. Perry, Executive Secretary

Box 11910 Iron Works Pike
Lexington, Kentucky 40578
(606) 252-2291

Founded: 1947

Affiliated with the State Council of Governors.

See Section 4.1 of this Directory listing state government standardization activities.

NATIONAL ASSOCIATION OF STATE TEXTBOOK ADMINISTRATORS

Luther Child, Technical Administrator

c/o Book Manufacturers Institute, Inc.
111 Prospect Street, Suite 405
Stamford, Connecticut 06901
(203) 324-9670

Type of Organization Professional Society
Standards Developer

Standards Designations NASTA prefix

Scope Directors of state education agencies responsible for the purchase and distribution of textbooks for public schools.

Standardization Activities Maintains an Advisory Committee which develops specifications for hard cover textbooks and non-consumable softcovered texts. Specifications cover margins, uniform labelling, paper, binding, and stitching. Cooperates with BMI (Book Manufacturer's Institute) and AAP (Association of American Publishers) to develop specifications. Publishes Manufacturing Standards and Specifications for textbooks developed by a commission comprised of NASTA, BMI, and AAP.

Availability Distributed directly

Formerly National Association of State Text Book Directors

Keywords textbooks; book publishing; education;

NATIONAL ASSOCIATION ON STANDARD MEDICAL VOCABULARY

Leo Wollman, Secretary

4505 Beach 45 Street
Brooklyn, New York 11224
(212) 372-4569

Founded: 1960

Standards Staff: 1

Type of Organization Scientific Society
Standards Developer

Scope A nonprofit organization for the betterment of the medical and allied terminologies. It has grown to include over 7,000 educators, scientists, and philosophers.

Standardization Activities Dedicated to the standardization of modern American medical vocabulary. Assistance is given to editors and publishers of directories, dictionaries, and compendia dealing with medical terminology.

Keywords medical terminology; health care;

NATIONAL AUTOMATIC MERCHANDISING ASSOCIATION

David Hartley, Public Health and Safety Counsel

7 South Dearborn Street
Chicago, Illinois 60603
(312) 346-0370

Founded: 1936

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1959
One standard governing the sanitary design and construction of food and beverage vending machines

Standards Designations NAMA Vending Machine Evaluation Manual (as amended, June 1982)

Government Adoption Adopted by several states and municipalities and, by reference, the Army, Air Force, and Navy. Results of certification activity are recognized nationwide.

Certification Evaluation, testing, and certification are conducted by retained consultants from Michigan State and Indiana Universities. Re-evaluation is annual.

Scope The national association of the vending and contract foodservice industry. Membership includes national/regional/local operating companies, machine manufacturers, distributors, and product suppliers. Services include legislation, government relations, education, conventions, state affiliate organizations, public relations, publications, and public safety.

Standardization Activities Maintains a 25-member Automatic Merchandising Health Industry Council comprised of representatives from national public health associations, Federal regulatory and military agencies, university faculty, and industry. Recommends to NAMA all administrative policies and procedures used in the evaluation, certification, and standards listing program. Works with Underwriters Laboratories on standards 541 and 751.

Availability Distributed directly

Keywords vending; vending machine; automatic merchandising; food sanitation; public health;

NATIONAL AUTOMATIC SPRINKLER AND FIRE CONTROL ASSOCIATION

Edward J. Reilly, President

P.O. Box 1000
Patterson, New York 12563
(914) 878-4200

Founded: 1914

Type of Organization Trade Association
Standards Developer

Standards Development 64 representatives and 54 committees active in standards development.

Scope A national trade association of automatic sprinkler manufacturers and installers. Advances the art of automatic control of fire through automatic sprinklers, and the conservation of life and property from fire.

Standardization Activities Cooperates with national technical bodies in the preparation of standards and fire protection sections of building codes and ordinances. Sets standards for design, installation, inspection, and maintenance of automatic sprinkler.

Cooperates with the American Insurance Association, Insurance Services Office, Underwriters Laboratories (UL), and Factory Mutual Engineering and Research in the formulation of standards, specifications, and regulations for fire apparatus and their use.

Officially represented on sectional committees functioning under the procedure of the American National Standards Institute (ANSI) engaged in the development and revision of code for pressure piping, pipe threads, and pipe flanges and fittings.

The NAS and FCA is a member of the Southern Building Code Congress, the International Conference of Building Officials, and Code Administrators International. Maintains consistency between codes and standards and coordinates the industry's activities in the model code field with those in the standard making bodies, including National Fire Protection Association, American Society for Testing and Materials, American National Standards Institute, Underwriters Laboratories, Factory Mutual System, and others.

Availability Distributed directly

Keywords fire protection; fire control equipment;

NATIONAL AUTOMOBILE THEFT BUREAU

Paul W. Gilliland, President

10330 South Roberts Road - 3A
Palos Hill, Illinois 60465
(312) 430-2430

Founded: 1912

Type of Organization

Service Organization
Works through other organizations to develop standards

Scope

A service organization supported by 450 insurance companies, writing automobile fire and theft insurance.

Locates stolen cars and promotes auto theft prevention activities. The bureau, designated by the International Association of Chiefs of Police as its clearing house on automobile theft information, maintains a nationwide stolen vehicle file. This information is made available 24 hours a day, 7 days a week to law enforcement agencies by teletype, telephone, message switching, and direct entry into regional law enforcement banks.

Standardization Activities

Cooperates with automobile manufacturers in the adoption of a standard vehicle identification number, as well as in a standard method of stamping and affixing such numbers.

Prints and distributes to law enforcement agencies a Motor Vehicle Identification Manual, a Commercial Vehicle Identification Manual, and Manual for the Investigation of Automobile Fires. Services of the bureau are for the benefit, not only of insurance companies and law enforcement agencies, but of the entire motoring public.

Keywords

automobile theft; law enforcement; insurance; transportation;

NATIONAL BARK PRODUCERS ASSOCIATION

Robert C. LaGasse, Executive Director

301 Maple Avenue West, Tower Suite 504
Vienna, Virginia 22180
(703) 938-3999

Founded: 1971

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1972

Scope

Represents producers of bark products in the U.S. and Canada. Disseminates information about the use of bark products to horticulture firms, garden shops, and the public.

Standardization Activities

The industry forum for development of bark product standards; works with other organizations, such as the National Conference on Weights and Measures to develop standards. Has defined three product categories: decorative bark, soil conditioner, and base bark. Grade standards serve as guidelines for bark producers and are used on product bags as an indication of quality.

Availability

Distributed directly

Keywords

bark; mulch; soil conditioner; agriculture;

NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

W. L. Garvin, Assistant Executive Director

1055 Crupper Avenue
Columbus, Ohio 43229
(614) 838-8320

Telex: 246-625

Founded: 1919

Type of Organization

Professional Society
Standards Developer

Standards Designation

National Board Inspection Code, 1983 (an ANSI Standard);
National Board Boiler Blowoff Equipment, 1973; Relieving
Capacities of Safety Valves and Relief Valves, 1983.

Certification

All states, municipalities, and Canadian provinces that have boiler and pressure vessel laws recognize the National Board inspector's commission and National Board stamping boilers and pressure vessels as meeting their safety law requirements for new construction. Transfer of such objects between states is implemented by National Board stamping. Relieving capacities of safety valves and pressure relief valves as certified by the National Board is used by various state, municipal, and provincial jurisdictions to determine adequate volumetric relief of the pressurized medium in event of runaway conditions.

Scope

Confines its membership to persons charged with enforcement of the boiler and pressure vessel laws in various states in the United States and the Canadian provinces.

Standardization Activities

Operates in the following areas of standardization: boiler and pressure vessel law enforcement; uniform boiler laws and rules throughout the jurisdiction of its members; uniform qualifications for boiler and pressure vessel inspectors, including identical examinations conducted simultaneously throughout the United States and Canada; uniform stamping of boilers and pressure vessels that are inspected during construction by such boiler and pressure inspectors who hold valid National Board commissions; and uniform relieving capacity ratings of safety valves and pressure relief valves for boiler and unfired pressure vessel service. Works with the American Society of Mechanical Engineers, Boiler and Pressure Vessel Code; the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA); the U.S. Coast Guard; and the U.S. Nuclear Regulatory Commission (NRC) in the development of safety standards, codes, and uniform safety inspections.

Availability

Distributed directly

Keywords

boilers; pressure vessels; safety valves; industrial equipment; government officials;

NATIONAL BURGLAR AND FIRE ALARM ASSOCIATION

R. M. Bugbee, Executive Vice President

1133 15th Street
Washington, D.C. 20005
(202) 429-9460

Founded: 1948

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation Representatives on NFPA, UL, and ASTM Committees

Scope Represents 600 installing and operating alarm companies, as well as manufacturers and suppliers of alarm equipment services. Maintains liaison with the insurance industry, fire and policy organizations, state and federal agencies, and many special groups.

Standardization Activities Standards committee monitors all standards of interest to members and distributes information accordingly. Input to consensus standards is provided through members on various committees.

Keywords burglary; fire alarm; security, alarm system; buildings;

NATIONAL CABLE TELEVISION ASSOCIATION

Thomas E. Wheeler, President
 1724 Massachusetts Avenue NW.
 Washington, D.C. 20036
 (202) 775-3550

Founded: 1952

Type of Organization Trade Association
 Standards Developer

Scope Represents the interests of the cable television industry before Congress and Federal agencies, in courts of law, and before state regulatory agencies in dialogues with other industries and groups.

Standardization Activities Maintains an Engineering Department which administers the standardization activities. Issues Engineering Standards which cover the areas of Visual Carrier Level, Amplifier Distortion, Graphic Symbols, the Standards Numbering System, and Noise Level in Cable Systems. The active standards committees and new projects are C-TAC (Cable Television Advisory Committee); EIA/CTSC (Cable Television Systems Communications); NEC (National Electric Code); and the JCIC (Joint Committee on Inter-Society Coordination). Promotes the use of standards through a bulletin and training courses. Participates in subcommittees of the International Electrotechnical Commission and is involved with the Federal Communications Commission.

Availability Distributed directly

Formerly National Community Television Association (1969)

Keywords television; cable television; communications;

NATIONAL CARGO BUREAU

Jerome P. Scully, Chairman
 One World Trade Center, Suite 2757
 New York, New York 10048
 (212) 432-1280

Founded: 1952

Type of Organization Trade Association
 Standards Developer

Certification The bureau is authorized by the U.S. Coast Guard to certify the loading of bulk grain cargoes and to approve grain loading plans

in accordance with current regulations. The Bureau is officially recognized by the Coast Guard and the Department of Labor as a cargo gear certification agency.

Scope

A nonprofit organization whose membership is comprised of persons prominently identified with steamship management or marine insurance underwriting organizations.

Dedicated to the safe loading, stowing, securing, and unloading of cargo and cargo containers on all vessels, and for the design, strength, safety, and suitability of cargo handling gear and cargo containers, including the security and integrity of containers.

Standardization Activities

Assists the U.S. Coast Guard in administering the provisions of the Dangerous Cargo Act and the applicable regulations in Title 46, of the Code of Federal Regulations, Shipping, with respect to inspection of vessels for suitability for loading dangerous cargo; examination of stowage of dangerous cargo; making recommendations as to towage requirements of dangerous cargo; and issuance of certificate of loading setting forth that the stowage of dangerous cargo is in accordance with the regulations.

Participates in activities of the Intergovernmental Maritime Consultative Organization (IMCO) by being active on the IMCO Maritime Safety Committee, the Subcommittee on Containers and Cargos, and the Subcommittee on the Carriage of Dangerous Goods. This subcommittee revised the international regulations for the carriage of bulk grain.

Formerly

Absorbed Bureau of Inspection of Board of Underwriters of New York; Board of Marine Underwriters of San Francisco (1952)

Keywords

cargo handling; containerization; shipping; transportation; insurance;

NATIONAL CERTIFIED PIPE WELDING BUREAU

James R. Noble, Executive Secretary

5530 Wisconsin Avenue
Suite 750
Chevy Chase, Maryland 20815
(301) 654-7960

Telex: 710-825-0423

Founded: 1944

Standards Staff: 2

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

20 members represented on standards committees of organizations such as ASME, ANSI, and AWS.

Scope

A department of the Mechanical Contractors Association of America, Inc. Engages in research and educational work; supplies information and data on welding; creates a force of welders uniformly trained and qualified; and promotes, develops, and maintains the quality of welding in the piping industry.

Standardization Activities

Cooperates with other organizations to provide guidance and input for the standards development process. Works toward development of uniform procedure specifications for welding methods.

Keywords

pipe; welding; manufacturing;

NATIONAL CLAY PIPE INSTITUTE

E. Jack Newbould, President

1015 15th Street NW.
Suite 804
Washington, D.C. 20005
(202) 789-1630

Founded: 1944

Standards Staff: 2

Type of Organization Trade Association
Standards developer by working through ASTM

Government Adoption Federal agencies involved directly and indirectly in construction activities have adopted ASTM standards for Vitrified Clay Pipe and its installation.

Secretariats ASTM Committee C-4.

Scope An international trade association, representing the major U.S. manufacturers of Vitrified Clay Pipe, with Associate Members in several foreign countries. Renders engineering advisory services to design engineers, Government officials, and others. Conducts scientific research, national advertising, and public relations programs on behalf of the industry at various independent research laboratories and universities.

Publishes the Clay Pipe Engineering Manual for engineers, city and state officials, and architects. Also technical brochures of an educational nature relating to the use of Vitrified Clay Pipe in sanitary sewer systems.

Standardization Activities Active in the American Society for Testing and Materials, the American National Standards Institute, and the American Association of State Highway Officials. Assists in the development of Federal specifications.

Availability Sold directly and through ASTM

Formerly National Clay Pipe Manufacturers (1961)

Keywords vitrified clay pipe; sewers; sanitation; construction;

NATIONAL CLAY POT MANUFACTURERS ASSOCIATION

Stone Manes, President

P.O. Box 384
Jackson, Missouri 63755
(314) 243-3138

Founded: 1956

Type of Organization Trade Association
Standards Developer

Scope A nonprofit corporation which acts to stimulate professional and public interest in the uses and advantages of clay flower pots and in modern techniques employed in their production.

Standardization Activities Develops standard sizes and shapes of clay flower pots manufactured in the United States.

Availability Distributed directly

Keywords flower pots; planting; agriculture;

NATIONAL COFFEE ASSOCIATION OF THE USA

George E. Boecklin, President

120 Wall Street
New York, New York 10005
(212) 344-5596

Founded: 1911

Type of Organization	Trade Association Works through other organizations to develop standards
Scope	Green coffee importers, jobbers, brokers, and agents; instant coffee processors; roasters and allied coffee industries. Promotes sound business relations among members of the trade to increase coffee consumption.
Standardization Activities	Representatives from member firms assist in development of ISO standards, Codex Alimentarius standards; U.S. Government and various other standards for purchasing.
Keywords	coffee; agriculture; beverages;

NATIONAL COIL COATERS ASSOCIATION

Kenneth Dickson, Executive Director

1900 Arch Street
Philadelphia, Pennsylvania 19103
(215) 564-3484

Founded: 1962

Type of Organization	Trade Association Standards Developer
Scope	Manufacturers of continuously coated metal coil, other than metal plated coil. Fosters development of standard test methods, exchanges technical information, collects statistics, and promotes coated coil.
Standardization Activities	Maintains a Technical Section which works to develop test methods and evaluate new processes. Activities include accelerated testing, physical testing, and standards development in the areas of color, laminate, aluminum, and steel. Supports ASTM, ANSI, and AISI in this work. Publishes a Technical Manual and Bulletins.
Availability	Distributed directly
Keywords	coil coating; metal coating; materials;

NATIONAL COMMITTEE FOR CLINICAL LABORATORY STANDARDS

John V. Bergen, Ph.D., Executive Director

771 E Lancaster Avenue
Villanova, Pennsylvania 19085
(215) 525-2435

Founded: 1968

Standards Staff: 11

Type of Organization	Voluntary Consensus Standards Developer
-----------------------------	---

Standards Development	<p>Accredited by ANSI</p> <p>Over 900 scientists participate in 125 projects</p> <p>65 standards and guidelines available; 22 at approved level, 25 at tentative level, and 18 at proposed level</p> <p>145 active members (professional organizations, governmental agencies, industrial organizations)</p> <p>686 corresponding members (state agencies, universities, clinical laboratories)</p>
Secretariats	<p>Administrator of Technical Advisory Group ISO/TC 76, Technical Equipment for Medical Use. Reporting Secretariat for International Organization of Legal Metrology (OIML). SP 26/SR 5. Measuring Instruments Used in the Field of Public Health/Clinical Laboratory Reference Materials.</p>
Scope	<p>A national nonprofit, educational organization whose purpose is to provide a communication forum for, and to promote the development and use of, national and international standards for the clinical laboratory. Based on the principle that voluntary consensus standards for the clinical laboratory are necessary in order to maintain laboratory performance at levels that ensure high quality patient care.</p> <p>Represents an active membership with balanced representation of the professional sector, government, and industry, including professional organizations, state and federal agencies, trade associations, and individual companies. Members participate in the development of proposed, tentative, and approved NCCLS standards and guidelines.</p>
Standardization Activities	<p>Develops standards in nine areas: evaluation, protocols, instrumentation, general laboratory practices, diagnostic immunology, hematology, microbiology, ligand assay, and toxicology/drug monitoring.</p> <p>Publications focus on laboratory procedures, bench and reference methodologies, and scientific evaluation protocols. providing realistic standards and guidelines that the clinical laboratory can use in its day-to-day activities. Standards publications include those relating to antibiotic susceptibility testing, blood collection, water purity testing, and clinical laboratory instrumentation. Also administers the National Reference System in Clinical Chemistry (NRSCC) which provides the scientific basis to ensure that clinical laboratory results can be interchanged within defined limits of accuracy and precision.</p>
Availability	Distributed directly
Keywords	<p>clinical chemistry; medical instruments; laboratory; testing; immunology; hematology; microbiology; ligand assay; toxicology/drug monitoring; public health;</p>

NATIONAL CONCRETE MASONRY ASSOCIATION

Kevin D. Callahan, Director of Technical Services

2302 Horse Pen Road
P.O. Box 781
Herndon, Virginia 22070
(703) 435-4900

Founded: 1920

Standards Staff: 3

Type of Organization	<p>Trade Association</p> <p>Works through other organizations to develop standards</p>
Representation	<p>All national code bodies; ASTM committees and American Concrete Institute standards committee.</p>

Scope A nonprofit trade association representing concrete masonry manufacturers throughout the United States, Canada, and 21 other countries. Encourages development of the art and science of manufacturing concrete masonry; creates a standard of excellence in manufacturing; develops criteria for the proper use of concrete masonry products and encourages such use; and facilitates the interchange of practical knowledge among its members and related industries and organizations.

Standardization Activities Activities of the association are developed by the Technical and Specifications Review Committees and are subject to approval by the Board of Directors. Maintains continuing liaison and participation in the standardization and specification activities of the major national code bodies in the U.S., the American Society for Testing and Materials, and the American Concrete Institute. Liaison and product specification assistance conducted on a regular basis with agencies of the Federal Government including the National Bureau of Standards, Departments of Housing and Urban Development, Defense, Commerce, Agriculture, and with the Corps of Engineers, Veterans Administration, General Services Administration, National Aeronautics and Space Administration, and the Federal Aviation Administration.

Keywords concrete masonry; building; construction;

NATIONAL CONFERENCE OF STATES ON BUILDING CODES AND STANDARDS

Robert McLaughlin Wible, Executive Director

481 Carlisle Drive
Herndon, Virginia 22070
(703) 437-0100

Founded: 1967

Standards Staff: 5

Type of Organization Professional Society
Works through other organizations to develop standards

Certification The Conference currently offers Product Certification for solid fuel burning devices and unvented kerosene heaters and accreditation for laboratories that test solid fuel burning devices.

Scope Founded by a group of state governors concerned with the need to better coordinate state building code and public safety activities, NCSBCS today represents each of the fifty states and several territories in the area of building codes and standards. It is an Executive Branch Organization of the National Governors Association and includes as members governor-appointed representatives of each state and territorial government. Also included as members are other state and local building officials, practicing architects and engineers, building contractors, product manufacturers and suppliers, and consumers. NCSBCS promotes intergovernmental reforms in the area of building codes and standards and encourages the establishment of standards and practices which promote the development, introduction, and acceptance of innovative building materials and techniques.

Standardization Activities 50 delegates and 5 standards staff participate in the development, updating, and ongoing maintenance of building codes and standards at the state and federal level. Responsible for the ANSI A225.1 Standard on Manufactured Housing Installations (Manufactured Home Sites, Communities and Set-ups). The Conference provides state government with a voice before other standards setting organizations. Some current public safety programs of the Conference include: acting as the monitoring and

standardization agent for the U.S. Department of Housing and Urban Development in the Federal manufactured housing construction and safety program; assisting the states in maintaining and updating their building energy conservation and architectural accessibility requirements; researching and developing models of effective and efficient state building code administration; and working together with the National Fire Protection Association to design and conduct a series of regional seminars on life safety in adult boarding facilities.

Keywords

building codes and standards; manufactured home installations; state government; solid fuel burning devices; unvented kerosene heaters; heating; safety; testing; energy; building; government officials;

NATIONAL CORRUGATED STEEL PIPE ASSOCIATION

Daryl E. Tonini, Executive Director

1133 15th Street, N.W.
Washington, D.C. 20005
(202) 429-9440

Founded: 1955

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

Standards developer since 1956
74 member companies participating in standards activities
5 active standards
None processed through ANSI

**Standards
Designation**

CSP prefix

Scope

A national trade association that represents corrugated steel pipe fabricators, steel suppliers, and manufacturers of related products. Improves and expands the use of corrugated steel pipe and plate for culverts, sewers, bridges, subdrains, and other drainage facilities.

**Standardization
Activities**

Maintains an active Technical Advisory Committee which develops CSP standards along with participating in and monitoring the work of other technical bodies such as ASTM, AASHTO, and AISI. Engineering organizations, specifying agencies, and users of corrugated steel pipe use standards. Widespread activities of the association make it possible for county, state, Federal, city, consulting and other engineers, as well as construction personnel, to become thoroughly acquainted with design, use, installation, and acceptance of corrugated steel pipe throughout the United States.

Availability

Distributed directly

Formerly

National Corrugated Metal Pipe

Keywords

culverts; sewers; bridges; construction;

NATIONAL COTTON COUNCIL OF AMERICA

Earl W. Sears, Executive Vice President

P.O. Box 12285
Memphis, Tennessee 38182
(901) 274-9030

Founded: 1938

Standards Staff: 4

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

Members provide input or serve on various committees of standards developers, such as ASTM, ISO, AATCC, ACGIH, OSHA, CAL/OSHA, CPSC, EPA, and ANSI.

Secretariats

Joint Cotton Industry Bale Packaging Committee (JCIBPC). NCCA is one sponsor of the International Cotton Calibrations Standards Committee.

Scope

The National Cotton Council is the central organization of the U.S. cotton industry representing growers, ginners, warehousemen, merchants, cooperatives, manufacturers, and cottonseed crushers. It serves its members through programs of technical services, foreign operations, communications services, economic services, and legislation.

Standardization Activities

Works with industry and government agencies in developing needed fiber/textile test methods, product standards, and safety/health environmental standards affecting the cotton industry. Develops specifications to improve the quality and protection of the American cotton bale and to improve its appearance and saleability in domestic and foreign markets. Sets cotton bale standards to guide handlers and processors in evaluating and communicating bale conditions. Through the JCIBPC, develops specifications for acceptable cotton bale packaging materials. These are adopted by reference by the Commodity Credit Corporation as a requirement for CCC loan eligibility.

Keywords

cotton; bale packaging; fiber testing; cottonseed; textiles; safety environment; agriculture;

NATIONAL COTTONSEED PRODUCTS ASSOCIATION

Kenneth O. Lewis, Executive Vice President

P.O. Box 12023
Memphis, Tennessee 38182-0023
(901) 324-4417

Founded: 1897

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Development

275 members actively participate in the use of NCPA Trading Rules.

Scope

Virtually all contracts between members and between members and non-members are subject to the provisions of the Trading Rules of the National Cottonseed Products Association.

Standardization Activities

Trading Rules provide for handling, sampling, and analysis of cottonseed products and for handling normal variation in quality and in actual delivery weights. Trading rules, such as those for cottonseed oil trading rules, relate final compensation to the yield or out-turn of refined edible oil from the crude oil.

Availability Distributed directly

Keywords cottonseed; edible oil, food; agriculture:

NATIONAL COUNCIL ON RADIATION PROTECTION AND MEASUREMENTS

J. Spahn, Staff Assistant

7910 Woodmont Avenue
Suite 1016
Bethesda, Maryland 20814
(301) 657-2652

Founded: 1964

Type of Organization Scientific Society
Standards Developer

Standards Development Recommendations developed since 1928
75 published reports which contain recommendations

Scope A nonprofit corporation which seeks to promulgate information and recommendations based on leading scientific judgment on matters of radiation protection and measurement and to foster cooperation among organizations concerned with these matters.

Standardization Activities Collects, analyzes, develops, and disseminates in the public interest information and recommendations about protection against radiation and radiation measurements, quantities, and units, particularly those concerned with radiation protection. Provides a means by which organizations concerned with scientific and related aspects of radiation protection and of radiation quantities, units, and measurements may cooperate for effective utilization of their combined resources. Develops basic concepts about radiation quantities, units, and measurements about the application of these concepts and about radiation protection. Cooperates with the International Commission on Radiological Protection, the International Commission on Radiation Units and Measurements, and other national and international organizations, governmental and private.

Maintains seventy-seven Scientific Committees to draft proposed recommendations.

Availability Distributed directly

Formerly National Committee on Radiation Protection and Measurement
Advisory Committee on X-Ray and Radium Protection

Keywords radiation protection; radiation measurement; environmental; safety;

NATIONAL CRUSHED STONE ASSOCIATION

W. L. Carter, President

1415 Elliot Place NW.
Washington, D.C. 20007
(202) 342-1100

Founded: 1918

Standards Staff: 1

Type of Organization Trade Association
Works through other organizations to develop standards

Representation One staff member represents NCSA on committees of ASTM, ACI, and AREA along with other technical societies such as the Transportation Research Board of the National Research Council, Asphalt Paving Technologists, and ASCE.

Scope A nonprofit trade association supported by producers of crushed stone and manufacturers of plant equipment and supplies used by the crushed stone industry. Serves the quarrying industry.

Standardization Activities Cooperates with national technical organizations in standardizing specifications, test methods, and recommended practices involving the use of crushed stone. Represented on technical committees of the American Society for Testing and Materials dealing with concrete and concrete aggregates, road and paving materials, and mortars for unit masonry. Participates in technical committee work concerned with the development of recommended practices of the American Concrete Institute, the American Railway Engineering Association, and the Transportation Research Board of the National Research Council.

Participates in a joint committee composed of representatives of the National Sand and Gravel Association and the National Slag Association to work on problems of mutual interest.

Keywords aggregates; materials; construction; stone;

NATIONAL EASTER SEAL SOCIETY

John Garrison, Executive Director

2023 West Ogden Avenue
Chicago, Illinois 60612
(312) 243-8400

Founded:

Type of Organization Technical Society
Works through other organizations to develop standards

Representation ANSI, CARF, and ASNA
55 members on ANSI Committee for standard for making buildings accessible to physically handicapped persons

Secretariats ANSI A117.1; Accessibility Standard

Scope Represents 350 state and local affiliates serving persons with disabilities. Programs include legislative advocacy and the maintenance of standards for programs in occupational, physical and speech therapy, recreation, and other rehabilitation services.

Standardization Activities Works to develop standards which ensure effective and efficient treatment and services for persons with disabilities as well as their integration into the education, housing, employment, and other community services. Representatives serve on Boards of national accrediting organizations and the ANSI Secretariat for the Standard for making Buildings Accessible to the Physically Handicapped. Involves consumers, designers, code officials, manufacturers, and representatives of federal regulatory agencies in its activities. Promotes the ANSI specification for accessibility to ensure one uniform standard for reference in building codes, laws, and regulations.

Keywords disabled; physically handicapped; accessibility; codes; buildings; public health; social welfare;

NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION

Charles J. Hart
Associate Director of Services Codes, and Standards

7315 Wisconsin Avenue, 13th Floor
Bethesda, Maryland 20814
(301) 657-3110

Founded: 1901

Type of Organization	Trade Association Standards developer and works through other organizations
Standards Development	Developed and maintains workmanship standard
Representation	The Correlating Committee and all of the code making panels of the National Electrical Code Committee. Also represents electrical contractors for the development of the National Electrical Safety Code, which is concerned with electrical outdoor construction. Serves on standards committees of ANSI, IEEE, NFPA, UL, and others.
Standards Designation	NECA Standard of Installation
Scope	A nationwide trade association representing the electrical contracting industry. Provides management services and labor relations programs. Sponsors research and educational programs; compiles statistics; conducts seminars.
Standardization Activities	Sets basic standards for electrical equipment and materials and methods of their installation. The NECA Technical Service maintains competent representation on interindustry and other standards agencies. NECA's Standard of Installation defines good workmanship and has been an authoritative guide to determine the "neat and workmanlike manner" requirements of the National Electrical Code. Prevents and reduces accidents by providing continuing information to its members on OSHA requirements.
Availability	Distributed directly
Keywords	electrical construction; energy management; lighting; power distribution; building; construction;

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

Frank K. Kitzantides, Manager, Engineering Department

2101 L Street NW.
Washington, D.C. 20037
(202) 457-8479

Telex: 904077

Founded: 1926

Standards Staff: 10

Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since 1926 550 members participating in standards activities 220 standards including 60 metric 23 standards recognized by ANSI 1 standard endorsed by EEMAC Draft standards distributed for user review

Standards Designation	NEMA Standard, Suggested Standard for Future Design, Authorized Engineering Information, Official Standards Proposal.
Government Adoption	Several standards have been adopted as federal standards.
Certification	No certification, qualification, or accreditation programs
Secretariats	28 ANSI committees dealing with electrical equipment IEC/TC 72, SC 2J, SC 15B
Scope	A trade association of manufacturers of equipment and apparatus used for the generation, transmission, distribution, and utilization of electric power. Membership comprises 550 electrical manufacturing companies in the U.S. Membership is limited to domestic corporations, firms, and individuals engaged in the manufacture or promotion of products included within 75 NEMA product subdivisions. Products include transformers, wire and cable, switchgear, industrial control and systems, lighting, building equipment, and diagnostic imaging and therapy systems products.
Standardization Activities	<p>Standards are designed and written to eliminate misunderstandings between manufacturers and users of electrical products and to provide for safety in the application of these products. Involves all interested parties in standards development and review. Cooperates with organizations such as the American Society for Testing and Materials, National Fire Protection Association, Underwriters Laboratories, the Institute of Electrical and Electronics Engineers, and others. Also cooperates with federal agencies.</p> <p>Supports ANSI and has representation on standards committees and sponsors several of them. Also represented on ANSI Standards Management Boards and the Organizational Member Council. Participates in the International Electrotechnical Commission (IEC), the International Commission on Rules for the Approval of Electrical Equipment (CEE), and in the International Organization for Standardization (ISO).</p> <p>NEMA also participates in the development of safety standards affecting electrical equipment. Cooperates with other branches of the industry in an effort to secure acceptance throughout the country of the National Electrical Code and the National Electrical Safety Code. Members also cooperate in an independent advisory capacity with the Underwriters Laboratories in the development of electrical safety standards.</p>
Availability	Sold directly by NEMA and through IHS, NSA, and Global
Formerly	Formed by merger of Electrical Power Club and Associated Manufacturers of Electrical Supplies (1926)
Keywords	electrical equipment; safety; machinery; medical equipment;

NATIONAL ELEVATOR INDUSTRY

Edward A. Donoghue, Manager-Codes and Safety

600 Third Avenue, 9th Floor
New York, New York 10016
(212) 986-1545

Founded: 1934

Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development	Standards developer since late 1950's 100 members participating in Code and Standards activities pertaining to elevators, escalators, dumbwaiters, and moving walks Two active standards None processed through ANSI
Standards Designation	Suggested Minimum Passenger Elevator Requirements for the Handicapped Vertical Transportation Standard (formerly Elevator Engineering Standard Layouts)
Government Adoption	Suggested Minimum Passenger Elevator Requirements for the Handicapped has been adopted by numerous jurisdictional authorities and model building codes.
Secretariats	U.S. TAG for ISO/TC 178, Lifts and Escalators
Scope	Promotes the interests of its members by acting as representative in collective bargaining with the International Union of Elevator Constructors and other labor organizations; advancing sound engineering practices within the industry in cooperation with government agencies in activities related to elevator codes and the installation, service, and maintenance of elevators and related products; compiling and furnishing statistical information, including figures on accident reduction and employee safety.
Standardization Activities	<p>Actively participates with code and standards organizations and enforcing authorities in developing, maintaining, and applying safety codes and standards that pertain to elevators, dumbwaiters, escalators, and moving walks. Develops requirements for the handicapped using vertical transportation, codes for personnel elevators, personnel and material hoists, model building codes, electrical codes, requirements for elevator fire doors, and metric codes.</p> <p>Promotes the adoption of new state and local elevator codes, revises existing elevator safety codes and secures uniform interpretation of the Safety Code for Elevators and Escalators ANSI/ASME A17.1. Representatives of the NEII Central Code Committee are members of ASME A17, NFPA 70, 80 and 101, BOCA, SBCC, ICBO, and ASTM.</p> <p>The Standards Committee is responsible for the development of industry standards for elevators, dumbwaiters, and escalators. The Vertical Transportation Standard gives architects and building owners standard dimensions from which they can produce building layouts.</p> <p>The International Standards Committee coordinates the Activities of the United States Technical Advisory Group for ISO/TC 178 Lifts and Escalators.</p>
Availability	Distributed directly
Formerly	National Elevator Manufacturers Industry (1969)
Keywords	elevators; escalators; dumbwaiters; moving walks; lifts; building; safety; physically handicapped;

NATIONAL ENVIRONMENTAL BALANCING BUREAU

William C. Abernathy, Co-Administrator

8224 Old Courthouse Road
Vienna, Virginia 22180
(703) 784-3840

Founded: 1971

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

3 procedural standards publications

**Government
Adoption**

Procedural Standards for Testing, Adjusting, and Balancing of Environmental Systems is referenced in Federal Guide Specifications.

Certification

NEBB offers certification for firms that meet all requirements established for Performance of Air Systems, Performance of Hydronic Systems, and Sound and Vibration Measurement.

Scope

A nonprofit organization sponsored by the Mechanical Contractors Association of America (MCAA) and Sheet Metal and Air Conditioning Contractors National Association (SMACNA).

**Standardization
Activities**

Works in conjunction with other organizations to develop industry procedural standards for testing, adjusting, and balancing (TAB) of environmental systems in buildings. Represented on the American Society for Heating, Refrigerating and Airconditioning Engineers (ASHRAE) 111 Committee, Testing, Adjusting, Balancing. Develops manuals that provide a comprehensive set of systematic procedures representing the state-of-the-art of TAB work. Manuals cover air/hydronic TAB and sound and vibration measurement procedures for environmental systems in buildings.

Availability

Distributed directly

Keywords

balancing; sound; vibration; air handling; hydronic systems; HVAC Systems; environmental systems; acoustics; building;

NATIONAL ENVIRONMENTAL HEALTH ASSOCIATION

Ida Frances Marshall, Editor-in-Chief

1200 Lincoln Street, Suite 704
Denver, Colorado 80203
(303) 861-9090

Founded: 1937

**Type of
Organization**

Professional Society
Standards Developer

Certification

Offers professional registration for sanitarians either by reciprocity from a state legislated registration or by examination as certified environmental health technicians.

Scope

A national, nonprofit professional and educational organization for people who work in controlling environmental hazards for the betterment of human health and well being.

**Standardization
Activities**

Publishes a state-of-the-art manual for on-site wastewater management which is a model ordinance for the regulation and

certification of swimming pool service companies, and swimming pool technicians and apprentices. Promotes educational and performance standards for environmental health practitioners.

Availability Distributed directly

Keywords public health; sanitation; environment;

NATIONAL FASTENER DISTRIBUTORS ASSOCIATION

Mary Ann Langholz, Executive Director

3094 Cressing Place
Columbus, Ohio 43227
(614) 237-0252

Founded: 1968

Type of Organization Trade Association
Works through other organizations to develop standards

Representation The Association is a member of ANSI, ASME, ASTM, and the American National Metric Council.

Scope One hundred and fifty manufacturers and distributors in the fastener industry with members located in 41 states employing 18,000 people.

Standardization Activities An information gathering group that disseminates data to the proper standards committees. Writes specifications only if the situation cannot be handled by an existing standards developing organization.

Keywords fasteners; manufacturing;

NATIONAL FEDERATION OF ABSTRACTING AND INFORMATION SERVICES

Maureen C. Kelly, Chairman
Common Practices and Standards Committee

112 South 16th Street
Philadelphia, Pennsylvania 19102
(215) 563-2406

Founded: 1958

Type of Organization Technical Society
Works through other organizations to develop standards

Representation 41 members active in standardization activities including involvement in ANSC-Z39, ANSC-X3, ISO/TC 46, UNESCO's UNISIST Project, Federal Information Processing Standards (FIPS), AAP's Electronic Publishing Subcommittee, and others.

Scope A nonprofit federation of organizations involved in abstracting and indexing services, operating information centers, or conducting research in information science. Improves the extent and quality of the documentation and use of the world's literature through research programs, publications, and seminars. Concerned with developing communications, cooperation, and coordination among all segments of the information processing and dissemination community including primary publishers, libraries, commercial and industrial abstracting and indexing services, data analysis centers, information dissemination centers, and teachers and researchers in the field. Also serves as a communication

forum for its members through meetings, workshops, committee activities, and publications.

Standardization Activities

Although NFAIS is not a standards-setting body, it works within the voluntary standards community to foster the development and use of standards relevant to its membership. Because NFAIS members are involved in various aspects of the processing and disseminating of information, their interest in standards ranges widely. Relevant standards may pertain directly to abstracting and indexing practices. Also of interest are standards dealing with information science, primary publishing, library work, data processing, and computer-readable information transfer. Relevant standards may also arise from individual subject areas or disciplines with which the information deals, such as engineering, biology, philosophy, or art.

NFAIS, through its Common Practices and Standards Committee (CP&S), serves as a communications link between the voluntary standards-setting community and the information publishing and distribution community. The CP&S Committee coordinates the NFAIS response to ballots or requests for comments pertaining to draft standards. This is accomplished by polling the NFAIS membership and, in some cases, by resolving minority votes on specific standards. By the same mechanism, NFAIS recommends and votes on qualified individuals to run for office or to serve on committees in standards-setting bodies.

Further, NFAIS encourages the active participation of its members on standards-setting bodies. Through its members and officers, NFAIS plays a role in the work of such standards setting bodies as: ANSI Committees X3-Information Processing and Z39-Library and Information Sciences and Related Publishing Practices; ISO Committees TC 46-Dokumentation and TC97-Computers and Information Processing; UNESCO through its UNISIST and ISDS (International Serials Data System) agencies; IFLA (International Federation of Library Associations); ICSU-AB (International Council of Scientific Unions - Abstracting Board); FIPS; and the AAP Electronic Publishing Subcommittee.

In addition to its support for the development of voluntary standards, NFAIS also encourages the general adoption of those standards considered most applicable and useful to the information processing and distribution community. Periodically, NFAIS surveys the implementation of standards by its members in order to determine which standards are being used and the ways in which they are used. Such surveys also provide information on the common practices and the de facto standards of members which may be candidates for formal standardization.

Formerly

National Federation of Science Abstracting and Indexing Service (NFSAIS), 1972.

Keywords

abstracting; indexing; information services; online searching; bibliographic data bases; information processing; communications;

NATIONAL FERTILIZER SOLUTIONS ASSOCIATION

David K. Murray, Executive Vice President

8823 North Industrial Drive
Peoria, Illinois 61614
(309) 691-2870

Founded: 1955

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer

Standards Development Standards developer since 1974
4 active standards, all processed through ANSI

Scope A national trade association representing the fluid fertilizer industry worldwide. Consists of 1750 member companies in the United States and 10 foreign countries including retail fertilizer dealerships, fertilizer manufacturers, equipment manufacturers, and distributor/jobbers. Serves its membership through support programs in research, technical services, education, legislative action, public relations, and publication and employee benefit services.

Standardization Activities Develops guidelines for regulatory authorities writing their own regulations. Assists individuals working with equipment and materials covered by the standards.

Availability Sold directly and through ANSI

Keywords fertilizer; nitrogen; phosphoric acid; storage; safety; agriculture;

NATIONAL FIRE PROTECTION ASSOCIATION

Arthur Cohn, Assistant Vice President, Standards

Batterymarch Park
Quincy, Massachusetts 02269
(617) 328-9290 Telex: 200250

Founded: 1896 Standards Staff: 30

Type of Organization Technical and Educational Organization
Standards Developer

Standards Development Standards developer since 1896
2,600 individuals serve on 175 NFPA Technical Committees which develop new standards and continually monitor existing documents
National Fire Codes R, 1983 Edition, includes 260 fire protection, prevention and suppression codes, standards, recommended practices, guides, and manuals
155 NFPA documents are ANSI standards
Draft documents and revisions are published for public review and comment

Standards Designation NFPA prefix

Government Adoption NFPA documents are referenced by the Occupational Safety and Health Act (OSHA); adopted by Congress for recipients of Medicare and Medicaid; and adopted by Coast Guard, Veterans Administration, Health and Human Services, Housing and Urban Development.

Certification Administers Certificated Marine Chemist program

Secretariats Conference of Fire Protection Associations (international)
Joint Council of National Fire Service Organizations (U.S.)
National Professional Qualifications Board (fire service positions)

Scope An independent, nonprofit organization with approximately 32,000 individual members and 150 national trade and professional association members worldwide. Activities are technical and educational in nature. Gathers and analyzes fire statistics; performs on-site investigation of significant fires; works on anti-arson projects; and operates five Field Services -- Electrical, Flammable Liquids, Gases, Marine, and Safety to Life. National sponsor of Fire Prevention Week.

Standardization Activities Active Standards Council which administers standardization activities of 175 technical committees. Standards widely used as the basis of legislation and regulation at all levels of government; many referenced by the federal government and used by insurance authorities for risk evaluation and premium rating.

Availability Distributed directly and through IMI, NSA, IHS, and Global

Keywords fire prevention; fire protection; fire code; safety;

NATIONAL FISHERIES INSTITUTE

Roy Martin, Vice President of Science and Technology

1101 Connecticut Avenue
Suite 700
Washington, D.C. 20036
(202) 857-1110

Founded: 1945

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A national trade association that represents U.S. companies engaged in seafood processing, shipping, and distribution.

Standardization Activities Works with Department of Commerce, National Marine Fisheries Service to assist in their development of standards.

Keywords fish; seafood; marine resources; food;

NATIONAL FLUID POWER ASSOCIATION

Allen E. Tucker, Director of Technical Services

3333 North Mayfair Road
Suite 311
Milwaukee, Wisconsin 53222
(414) 259-0990

Telex: 26898

Founded: 1953

Standards Staff: 4

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1953
380 members participating in standards activities
125 active standards
70 promulgated through ANSI

Standards Designation NFPA Recommended Standards, and ANSI/B93.x

Certification No certification, qualification, or accreditation programs

Secretariats ANSI/B93, Fluid Power Systems and Products
ISO/TC 131, Fluid Power Systems

Scope A nonprofit trade association serving manufacturers of fluid power (hydraulic and pneumatic) products with 180 corporate members nationwide.

Standardization Activities Standards activities account for half of the total association programs. Administered through a technical board, under which are organized 26 committees and 150 project groups. Standards

cover dimensions, specifications, methods of testing or rating, terminology, symbols, and procedures for systems, as well as individual components, including fluid power cylinders, valves, pumps, motors, sealing devices, conductors, fittings, filters, fluids, servovalves, accumulators, and pneumatic logic devices. Solicits technical input from all affected interests.

Committees and staff participate in standards programs of ANSI, SAE, ASME, ASTM, ISA, and ASLE. Currently developing a certification program for pressure and fatigue rating of fluid power components.

Availability Sold directly and through ANSI, Global, IHS, and IMI

Keywords fluid power; hydraulic; pneumatic; valves; pumps; seals; fittings; machinery; industrial equipment;

NATIONAL FOOD PROCESSORS ASSOCIATION

Charles J. Carey, President

1401 New York Avenue, N.W.
Suite 400
Washington, D.C. 20005
(202) 639-5900

Founded: 1907

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A national trade association established to help members maintain and improve product quality. Operates research laboratories in Washington, DC; Berkeley, CA; and Seattle, WA. Represents 600 member companies which pack processed-prepared fruits, vegetables, meats, fish and specialty products, including canned, frozen, dehydrated, and other processed food products. Also includes companies that provide equipment, supplies, and services to food processors.

Standardization Activities Maintains liaison with the National Conference on Weights and Measures for the purpose of developing constructive and uniform laws and regulations on the state level. Also maintains liaison with the U.S. Technical Advisory Group and delegates to meetings of ISO/TC 52 and its subcommittees on international standards for metal cans for food.

Formerly National Canners Association

Keywords food processing; food; packaging;

NATIONAL FOREST PRODUCTS ASSOCIATION

Ralph G. Hodges, Executive Vice President

1619 Massachusetts Avenue NW.
Washington, D.C. 20036
(202) 797-5800

Founded: 1902

Standards Staff: 5

Type of Organization Trade Association
Standards Developer

Standards Development Active in 27 committees
22 active standards and guides

Government Adoption Specifications adopted by the Department of Housing and Urban Development, Veterans Administration, Farmers Home Administration, Department of Defense, General Services Administration, Health and Human Services Administration, and the Council of American Building Officials.

Scope Forest product manufacturers and federation of 30 North American forest industry associations. Represents the industry on national issues concerning timber growth and product manufacture.

Standardization Activities Develops and distributes 6 recommended specifications and standards for the use of lumber and wood products and 16 general construction data guides. Serves on standards committees of ANSI, ASTM, and the National Fire Protection Association.

Standards activity includes development of wood structural design data, design values for wood construction, span tables for joists and rafters, the design of wood frame structures, and all weather wood foundations.

Availability Sold or distributed directly

Formerly National Lumber Manufacturers Association (1965)

Keywords wood; lumber; construction; building;

NATIONAL HARDWOOD LUMBER ASSOCIATION

S. Carroll White, Executive Manager

Box 34518
Memphis, Tennessee 38134-0518
(901) 377-1818

Founded: 1898

Type of Organization Trade Association
Standards Developer

Standards Designations NHLA prefix

Certification The association maintains qualified inspectors in the principal hardwood markets and producing districts of the United States and Canada who are authorized to issue certificates of inspection of hardwood lumber and cypress, the correctness of the grades and measurements shown on the certificate being guaranteed by the financial resources of the association. This official inspection service is available to the members and nonmembers on Federal, state or local government contracts. Extensive use of this service has been made by the U.S. Defense Supply Agency.

Scope United States and Canadian hardwood lumber and veneer manufacturers, distributors, and consumers. Inspects measures, and certifies hardwood lumber.

Standardization Activities One of the principal functions is the maintenance of standards for the grading of hardwood lumber, and an inspection staff for the official application of the standards.

Issues biennially a new edition of the Rules for the Measurement and Inspection of Hardwood Lumber, Cypress, and Thin Lumber. NHLA's grade rules are recognized as standard throughout the world.

Maintains a school in Memphis, Tennessee for training hardwood inspectors.

Availability Distributed directly

Keywords: wood products; lumber; inspection; grading rules; building;

NATIONAL INSTITUTE OF BUILDING SCIENCES

Gene C. Brewer, President

1015 15th Street NW., Suite 700
Washington, DC 20005
(202) 347-5710

Founded: 1978

Standards Staff: 16

Type of Organization Technical Society
Standards Developer

Secretariats Building Seismic Safety Council
Building Thermal Envelope Coordinating Council
Council on the Protection of Buildings From Wood Destroying Insects

Scope Congressionally authorized, nonprofit, nongovernmental scientific/technical institution. Functions and responsibilities relate to building regulations in the following four areas: (1) development, promulgation, and maintenance of nationally recognized performance criteria, standards, and other technical provisions for maintenance of life, safety, health, and public welfare suitable for adoption by building regulating jurisdictions and agencies, including test methods and other evaluative techniques relating to building systems, subsystems, components, products, and materials with due regard for consumer problems; (2) evaluation and prequalification of existing and new building technology; (3) conduct investigations in direct support of building regulations and evaluation of new technology; and (4) assembly, storage, and dissemination of technical data and other information directly related to the preceding areas.

Standardization Activities An authoritative, nationally recognized advisory body consisting of 800 members. Improves the regulatory environment and facilitates the introduction of new and existing products and technology into the building process. Advises both the public and private sectors of the economy with respect to the use of building science and technology in achieving nationally acceptable standards and other technical provisions for use in Federal, state, and local housing and building regulations. Publications and services are available to all those who procure, design, construct, use, operate, maintain, and retire physical facilities. Services of the Institute are also useful to other public and private organizations which perform related research and other tasks on which building standards and regulations are based.

The Institute has established a Consultative Council to insure a direct line of communication with all appropriate private trade, professional, and labor organizations, private and public standards, code, and testing bodies, public regulatory agencies, and consumer groups. Four Council Divisions have been assigned responsibility to:

- Evaluate regulatory issues that impact the building community; advise on the use of codes, standards, and regulations; and encourage reforms to improve the quality and reduce design and construction costs in housing and buildings.
- Conduct programs that examine, evaluate, and prequalify new building methods, materials, products, and systems; identify

future technology needs, encourage research and development towards these needs, make findings and advise the building community on technological developments.

- Review standards, regulations, practices, and technology for land use and environmental concerns in building and community development.
- Develop systems to collect, translate, and disseminate information for building community users, including consumers.

Availability

Distributed directly

Keywords

housing; building; performance criteria; technology; building regulations;

NATIONAL INSTITUTE OF INFANT SERVICES

John A. Shiffert, Executive Director

Diaper Service Accreditation Council
2017 Walnut Street
Philadelphia, Pennsylvania 19103
(215) 569-3550

Founded: 1938

Type of Organization

Scientific Society
Standards Developer

Certification

Sponsors an autonomous professional Diaper Service Accreditation Council which has promulgated standards for plant sanitation, customer service, and marketing practice. The council accredits diaper service applicants who go through self-evaluation and inspection by an independent site committee for evaluation against the standards. Accredited members must maintain all standards as they may be changed in annual review by the council.

Scope

Conducts research into the requirements of diaper processing to meet the sensitivity of infant skin.

Standardization Activities

Standards are established through a process by which an independent accredited medical laboratory under the supervision of a clinical pathologist conducts microbiological and patch test studies on infants to establish standards. The laboratory then devises testing procedures by which random sample diapers can be tested routinely against the prescribed standards.

Standards are raised from time to time as new knowledge is revealed by the continuing research program. The diaper test now include five major areas: (1) a sanitary score, awarded on the basis of microorganisms found on the sample; (2) a pH test by the colorimetric procedure, to show that the sample meets the acceptable range of 4.5 to 6.5; (3) evidence of impregnation of the sample with an EPA-approved bacteriostat; (4) a softness test with freedom from stiffness or spilling; and (5) an absorbency test so that water added drop by drop enters the fabric immediately. A diaper service must meet these standards in order to establish qualification and maintain membership.

Availability

Distributed directly

Formerly

Merger of the Diaper Service Industry Association and the National Institute of Diaper Services (1971)

Keywords

infant service; public health; consumer products;

NATIONAL INSTITUTE OF OILSEED PRODUCTS

Robert L. Moon, Executive Secretary

111 Sutter Street
San Francisco, California 94104
(415) 392-5718

Founded: 1934

Type of Organization

Trade Association
Standards Developer

Certification

Chemists Certification Program requires annual successful completion of the American Oil Chemists' Society Smalley Check Sample Series.

Scope

A nonprofit organization devoted to promoting the vegetable oils and vegetable oil products industry. Informs members of the uses and economic conditions affecting vegetable oil products -- their manufacture, distribution, and sale.

Standardization Activities

Maintains and publishes annually, uniform trading rules containing standard terms and conditions for which the products may be traded. These rules cover product grade and quality specifications, quantity specifications, sampling and chemical analysis procedures, adjustments and settlement of disputes by arbitration.

Cooperates with the International Association of Seed Crushers (Europe), Philippine Coconut Oil Producers Association, Philippine Copra Exporters Association, and the U.S. Department of Agriculture in efforts to improve product quality and establish higher standards of trade practices, which are then incorporated in the rules.

Availability

Distributed directly

Keywords

oil seed; vegetable oil; food; agriculture;

NATIONAL KEROSENE HEATER ASSOCIATION

Diane G. Thorne, Administrative Director

First American Center, #15
Nashville, Tennessee 37238
(615) 254-1961

Founded: 1981

Type of Organization

Trade Association
Standards Developer

Standards Development

2 active standards

Certification

A certification seal program has been developed that requires listing to Underwriters Laboratories Standard 647 and compliance with additional standards developed by the NKHA.

Scope

A not-for-profit association of 80 member firms dedicated to consumer education and high product standards. It establishes and updates technical, labelling, and safety standards.

To be a "Regular" member, a firm must be "engaged in manufacturing, trading, and/or national or international marketing of kerosene heaters or kerosene which meets the minimum safety

standards established by the Association." Their kerosene heaters must also be in compliance with UL 647- Standard for Unvented Kerosene-Fired Room Heaters and Portable Heaters.

Association programs include ongoing public affairs programs to educate and assist lawmakers, fire and safety agencies, other public officials, and the general public on the benefits and safe use of kerosene heaters. The Association updates members on regulatory issues, industry trends, technological advances, and safety matters.

Standardization

Kerosene heaters manufactured or sold by NKHA members must meet minimum safety standards adopted by the NKHA Board of Directors.

The NKHA Standards and Technical Committee reviews safety standards and testing procedures and evaluates worldwide technical developments and data related to kerosene heaters. Only those heaters incorporating advanced technology and state-of-the-art safety features conform to NKHA standards.

The Association campaigns for comprehensive product safety standards and legislation and has recommended more stringent standards in evaluating the safety of kerosene heaters.

Currently two standards are in effect: Standard for Marking of Portable Kerosene Heaters, and Standard for Marking of Kerosene Containers.

Availability

Distributed directly

Keywords

heating; energy; safety; consumer products;

NATIONAL KNITWEAR MANUFACTURERS ASSOCIATION

Robert E. Blanchard, President

350 Fifth Avenue
New York, New York 10118
(212) 947-1250

Founded: 1866

Type of Organization

Trade Association
Standards Developer

Scope

Manufacturers of knit underwear, nightwear, and allied products such as sport shirts and active sportswear.

Standardization Activities

Developed standards for methods of measuring, measurements, and tolerances for knit underwear in the interest of the consumer, as well as the jobber, manufacturer, and retailer. Cooperates with the U.S. Department of Commerce in developing, establishing, and promoting commercial standards of measurements and size conformity. Currently, the standardization activities of NKMA are directed to a continuation of appropriate cooperation with governmental agencies and other organizations in improving and implementing standards.

Availability

Distributed directly

Formerly

National Association of Knit Goods Manufacturers (1934)
Underwear Institute (1968)

Keywords

sizes; knitwear; clothing; consumer products;

NATIONAL LEAGUE FOR NURSING

Mary F. Liston, Ed.D., Acting Executive Director
10 Columbus Circle
New York, New York 10019
(212) 582-1022
Founded: 1952

Type of Organization Professional Society
Standards Developer

Government Adoption The National League for Nursing is officially recognized as the national accrediting agency for nursing education by the U.S. Department of Education.

Scope Individuals in nursing and other health professions, nursing educational institutions, hospitals, home and community health agencies, and providers of nursing and other health care services. Works to assess nursing needs, improve organized nursing services and nursing education, and foster collaboration between nursing and other health and community services. Develops and promotes criteria for self-evaluation of hospital and other institutional nursing services.

Standardization Activities Develops and improves the standards of quality nursing education, nursing service, and health care delivery in the United States. Administers accreditation of educational programs in nursing. Officially recognized as the national accrediting agency for nursing education by the Council on Postsecondary Accreditation (COPA) and by the U.S. Department of Education.

Criteria for educational programs are developed and approved by nurse educators and address the program's organization, administration, students, faculty, curriculum, resources, facilities, and services. Standards for community and home health agencies, approved by leaders in the field of community health, address community assessment, organization and administration, program, staff, evaluation, and future plans.

Availability Distributed directly

Formerly American Society of Superintendents of Training Schools for Nurses (1893)
National League of Nursing Education (1912)
National Organization of Public Health Nursing and the Association of Collegiate Schools of Nursing (1952)

Keywords nursing; public health; education;

NATIONAL LIME ASSOCIATION

Kenneth A. Gutschick, Executive Director
3601 North Fairfax Drive
Arlington, Virginia 22201
(703) 243-5463
Founded: 1902

Type of Organization Trade Association
Work through other organizations to develop standards

Representation Active in ASTM, AWWA, and other organizations in developing standards.

Secretariats	ASTM C7 on Lime; ASTM C12 on mortar; AWWA lime specification committee
Scope	An association of commercial producers of quicklime and hydrated lime. Members provide about 85% of the commercial lime used in the U.S. - for steelmaking; water, sewage and waste treatment; sulfur dioxide removal from stack gasses; industrial chemicals; stabilization for road and airfield construction; mortar and plaster, etc.
Standardization Activities	Engages in committee work with American Society for Testing and Materials, American National Standards Institute, American Road and Transportation Builders Association, American Water Works Association, Air Pollution Control Association, Construction Specifications Institute, etc., in standards related to lime. Instrumental in working to develop specifications which will be reasonable and helpful to the hundreds of users of lime and lime products. Publications include guidelines for using lime for Water Supply and Treatment; Lime Handling, Application, and Storage in Treatment Processes; Lime Stabilization Construction Manual; Flexible Pavement Design Guide; Lime Plant Safety Manual; Specifications for Lime and Its Uses in Plastering Stucco, Unit Masonry, and Concrete; etc.
Keywords	lime; construction; building; materials;

NATIONAL LUBRICATING GREASE INSTITUTE

	James B. Penrod, General Manager 4635 Wyandotte Street Kansas City, Missouri 63112 (816) 931-9480 Founded: 1933
Type of Organization	Trade Association/Technical Society Standards Developer
Standards Development	200 members active in standards development
Standards Designation	NLGI
Certification	NLGI Reference Systems available for use as research tools in the development and evaluation of lubricating grease formulations.
Scope	A technical society whose objectives are the development of better lubricating greases for the consumer and better grease lubricating engineering service to the industry. Collects and disseminates technical data.
Standardization Activities	Develops standards within ASTM and Recommended Practices with SAE. Also maintains liaison with other groups including API, ASLE, Independent Lubricant Manufacturers Association (ILMA), National Petroleum Refiners Association (NPRA), and Petroleum Packaging Committee (PPC). Maintains Technical Committee charged with developing data pertinent to the manufacture, standardization, and application of industry products. Works with ISO to develop standardized definitions. Developed NLGI Chassis and Wheel Bearing Service Classification System. NLGI consistency numbers recognized worldwide as the measure of one important grease characteristic. Cooperates with various Government agencies including DoD, NBS, FTC, and ICC.

Availability Distributed directly

Formerly National Association of Lubricating Grease Manufacturers, Inc.
(1936)

Keywords greases; lubricants; petroleum products; consistency number; materials;

NATIONAL MACHINE TOOL BUILDERS ASSOCIATION

Anthony M. Bratkovich, Engineering Director

7901 Westpark Drive
McLean, Virginia 22102
(703) 393-2900

Telex: 710-831-0031

Founded: 1902

Standards Staff: 2

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Working through member companies and staff representation on ASME, NFPA, IEEE, EIA, ASTM, AGMA, and others, most of which are ANSI accredited writing organizations.

Scope Comprised of companies producing over 90 percent of U.S. total machine tool output. Objectives are to be the industry spokesman before the public and the Government; to provide technical, economic, educational, and informational service to its members; and to promote higher technical and safety standards in industry.

Standardization Activities Promotes and supports industry representation in promulgating standards by sponsoring various machine tool oriented standard writing committees. Cooperates with standardization committees of other trade associations and supports industry representation on committees of the International Organization for Standardization and the International Electrotechnical Commission.

Keeps membership and manufacturing public informed through several newsletters and press releases published in trade journals and other publications.

Keywords machine tools; manufacturing technology; metal cutting; metal forming; machinery;

NATIONAL MODEL RAILROAD ASSOCIATION

Midge Reber, Business Manager

4121 Cromwell Road
Chattanooga, Tennessee 37421
(615) 892-2846

Founded: 1935

Type of Organization Service Organization
Standards Developer

Standards Development Has developed standards since 1936

Standards Designation NMRA Standards
NMRA Recommended Practices

Certification Grants on NMRA Conformance Warrant to products conforming to NMRA standards.

Scope Advances the hobby of scale model railroading through the development, adoption, and regulation of standards; promotes cooperation and understanding between producers and users of hobby materials; and increases opportunities for fellowship among model railroaders. Membership comprises about 27,000 persons active in the field in the United States and throughout the world.

Standardization Activities Establishes and maintains design standards for the manufacture of components for use in the hobby. These are intended to insure interchange between items produced by various sources and to improve performance. Adopted in 1936, specifications have been followed continuously by producers of scale railroad models and parts since that time, including refinements as the state of the art progressed.

Standards define track and wheel relationships, electrical power specifications, and clearance dimensions between rolling stock and trackside structures. NMRA recommended practices cover desirable characteristics other than those necessary for physical interchange and are intended to enable manufacturers to improve their product in a manner most suited to the user's needs. A General Engineering Committee is charged with responsibility for development of standards and recommended practices, and a separate Conformance-Inspection Committee checks manufactured products for compliance. Items meeting the standards and specifications are granted an NMRA Conformance Warrant which may be used in advertising as long as continued compliance is indicated by repeat inspections.

Availability Distributed directly

Keywords scale models; railroads; hobby; recreation;

NATIONAL MUNICIPAL LEAGUE, INC./CITIZENS FORUM ON SELF-GOVERNMENT

William W. Cassella, Jr., Executive Director

55 West 44th Street
New York, New York 10036
(212) 730-7930

Founded: 1894

Type of Organization Technical Society
Works through other organizations to develop standards

Scope Civic leaders, educators, public officials, civic organizations, libraries, and businesses interested in improving state and local government and techniques of citizen action. Serves as a clearinghouse for information on state constitution, city and county charters, legislative apportionment, fiscal procedures, among others.

Standardization Activities Model laws devised, published, and distributed by this organization are intended to serve as standards and to stimulate uniformity in state, county, and city legislation. These include a model bond law, budget law, city charter (which provides the council-manager form of government), model county charter, election administration system, model real property tax collection law, registration system, model state constitution, and others.

Keywords model laws; government; officials;

NATIONAL OAK FLOORING MANUFACTURERS ASSOCIATION

George E. Kelly, Managing Director

804 Sterick Building
Memphis, Tennessee 38103
(901) 526-5016

Founded: 1909

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1920

Standards Designation

Official Floor Grading Rules

Certification

Members whose products comply may use NOFMA trademark.

Scope

Manufacturers of hardwood flooring. Promotes standardization; conducts grade labeling and inspection services; maintains research program in grading, handling, packaging, and installation. Compiles statistics and sponsors installation school. An affiliate of the National Forest Products Association. Works with the VA, FHA, and other Government agencies dealing with housing, also the National Association of Home Builders, and the National Lumber and Building Material Dealers Association.

Standardization Activities

Standardization and simplification activities carried on by its Grading, Milling, and Inspection Committee. Adopted official rules on oak, birch, beech, hard maple, and pecan flooring which cover in detail the grades and sizes of quartered and plain sawn stock. Cooperates with the Federal Government in the formulation of the Federal specification for hardwood flooring (Lumber and Timber: Hardwood, MM-L-736C), which includes references to the grading rules of the association. Maintains rigid supervision of species, manufacturing, kilndrying, bundling, and other features pertaining to oak, birch, beech, and hard maple so that sizes and grades will be maintained. Use of the association's registered trademark "NOFMA" has been granted to members whose stock of oak flooring has been found to comply with the association's official grading rules. Maintains a reinspection service available to retail dealers who purchase products of member companies in the event there is doubt concerning the quality of stock purchased.

Availability

Sold directly

Formerly

Oak Flooring Manufacturers of United States (1930)
Southern Oak Flooring Industries (1933)

Keywords

oak; grading rules; inspection; flooring; wood floors; lumber; building; wood products;

NATIONAL OPERATING COMMITTEE FOR STANDARDS IN ATHLETIC EQUIPMENT

Brice B. Durbin, Executive Director

c/o National Federation of State High School Associations
11724 Plaza Circle
Kansas City, Missouri 64195
(816) 464-5400

Founded: 1921

Type of Organization

Standards Developer

Standards Development	Prepares rules and standards for 16 interscholastic sports.
Scope	Represents 20,000 high schools and 10 million secondary school students, primarily to secure proper adherence to the eligibility rules of various state high school associations during interstate competition. Establishes standards for sanctioning domestic athletic events.
Standardization Activities	Publishes and distributes playing rules for domestic competition in interscholastic sports: baseball, basketball, football, gymnastics, soccer, swimming and diving, track and field, volleyball, ice hockey, wrestling, field hockey. Sixty-six rules related publications are published including 28 rule books and 16 rule examinations. Provides national interpretation of the rules and advocates safety standards which are incorporated in the rule publications.
Availability	Distributed directly
Formerly	National Federation of State High School Athletic Associations (1970)
Keywords	athletic competition; sports; rules; recreation;

NATIONAL PARTICLEBOARD ASSOCIATION

William H. McCredie, Executive Vice President

2306 Perkins Place
Silver Spring, Maryland 20910
(201) 587-2204

Founded: 1960

Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since 1961 8 active standards 2 processed through ANSI
Standards Designation	NPA or ANSI prefixes
Government Adoption	The U.S. Department of Housing and Urban Development references 4 standards.
Certification	Certification of products for particleboard and medium density fiberboard producers.
Secretariats	ANSI A 208, standards developed by the canvass method
Scope	Manufacturers of wood particleboard and medium density fiberboard who participate in the development of voluntary product standards through the NPA Technical Committee. Compiles statistics; conducts industry surveys; publishes technical and promotional bulletins.
Standardization Activities	Eighteen member companies and 20 non-member particleboard and medium density fiberboard manufacturers participate in standards activities. Promulgated six industry standards; NPA 1-82, Particleboard for Mobile Home Decking; NPA 2-72, Particleboard Decking for Factory-Built Housing; NPA 3-73, Particleboard Floor Underlayment coated with Wax-Polymer Type Hot Melt Coatings; NPA C01-73, Wax Polymer Type Hot Melt Coatings for Particleboard; NPA 5-82, Formaldehyde Emission from Particleboard Mobile Home

Decking; and NPA 6-82, Voluntary Standard for Formaldehyde Emission from Particleboard; also sponsored two through ANSI: ANSI A 208.1, Mat-Formed Wood Particleboard; and ANSI A 208.2, Medium Density Fiberboard for interior use.

Availability Sold directly and through ANSI

Keywords particleboard; fiberboard; formaldehyde; wood products; building;

NATIONAL PEST CONTROL ASSOCIATION

Richard Carr, Director of Research

8100 Oak Street
Dunn Loring, Virginia 22027
(703) 573-8330

Founded: 1933

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ASTM, NIBS, DoD

Scope Represents the urban pest control industry in the United States. Member firms engage in control of insect, weed and certain vertebrate pests. These pests left to multiply in urban or suburban centers would damage stored food, wood based dwellings, or actively transmit organisms that result in fatal or debilitating human disease. Although NPCA has many international members its major function is to represent domestic urban pest control interests.

Standardization Activities Publishes specific guidelines such as Statements of Good Practice and various reference procedures that are developed by technical and/or management committees and formally approved in some cases by vote of the entire membership or by vote of its executive management board. NPCA works actively on ASTM committee E-35 and committees of the National Institute of Building Sciences, particularly Indoor Air Quality. Both organizations promulgate standards that involve aspects of urban pest management.

Keywords pest control; vector control; insect control; rodent control; structural protection; subterranean termite control; indoor air quality; public health; sanitation;

NATIONAL PRINTING INK RESEARCH INSTITUTE

J. M. Fetsco, Technical Administrator

Lehigh University
Bethlehem, Pennsylvania 18015
(215) 861-3588

Founded: 1946

Type of Organization Scientific Society
Standards Developer

Scope Engages in scientific research on printing inks, on the equipment and techniques involved in their production, and on the printing surfaces to which they are applied.

Standardization Activities Developed a set of standard test methods which is an essential basis for interchange of technical information, for ink research, for scientific control of ink production, and for the resulting advances in ink technology.

Issued a manual, consisting of 44 tests, divided into seven sections: Sampling and Preparation, Qualitative Chemical Tests, Quantitative Chemical Tests, Physical Tests, Performance Tests, Resistance Tests, and Tests for Related Materials. The last section covers materials such as paper, rollers and blankets, printing plates, and fountain solutions, which do not enter into ink production but contact the ink and influence its behavior during use. An evaluating procedure is carried out on each recommended method both by the institute and by individual companies cooperating with the institute.

Availability Distributed directly

Keywords ink; printing ink; communications;

NATIONAL RETAIL MERCHANTS ASSOCIATION

James R. Williams, President

100 West 31st Street
New York, New York 10001
(212) 244-8780

Founded: 1911

Type of Organization Trade Association
Standards Developer

Standards Development Participates in the development of standards in cooperation with ANSI
No NRMA standards are processed through ANSI
Standards are developed by committees of the membership

Scope The largest retail trade association in the world with membership of 45,000 firms in the U.S.A. who distribute \$150 billion in goods and services to consumers in the U.S. and employ approximately 2,500,000 workers. Devoted to the exchange of information among retailers, and to research and education. Takes an active part in the formulation of standards and specifications relative to retail store organization, retail trade terminology, business practices, and specifications for commodities used in the trade. Cooperates actively with ANSI and other technical and trade organizations and the Government.

Standardization Activities Developed the Voluntary Optical Character Recognition (OCR) Retail Identification Standard for uniform merchandise identification acceptable by both general merchandise retailers and vendors and is both machine and human readable. Maintains representation on the ANSI X12 Committee: Standard for Computer Transmitted Invoices and Purchase Orders, and ANSI X3A Committee: OCR Language Standards.

Initiated programs for the establishment of several Simplified Practice Recommendations under the auspices of the National Bureau of Standards (NBS). Formerly cooperated with NBS in the revision of several Simplified Practice Recommendations, and cooperates actively with NBS in the establishment of standard sizing of all apparel.

Availability Sold directly

Formerly National Retail Dry Goods Association (1958)

Keywords merchandise; retailing; merchandise identification; sizes; business; consumer goods;

NATIONAL RIFLE ASSOCIATION OF AMERICA

Harlon B. Carter, Executive Vice President

1600 Rhode Island Avenue NW.
Washington, D.C. 20036
(202) 828-6000

Founded: 1871

Type of Organization	Educational and Sports Association Standards Developer
Representation	The Association is represented on the Health and Safety committee of the Boy Scouts of America and on various Committees and the Board of Directors of the National Safety Council.
Certification	Standards for paper targets are enforced through a licensee process. When the specified standards are met, an "Official NRA Target" designation is given to the manufacturer for printing on the target. The NRA certifies marksmanship and firearm safety instructors and referees, and approves, when certain standards have been met, training courses and qualification courses for police departments and civilian rifle and pistol clubs.
Secretariats	The NRA, as the National Governing Body for the shooting sports in the U.S., represents all U.S. shooters to the International Shooting Union (ISU) and has input to standards for targets and ranges, in addition to rules for international and Olympic competition.
Scope	Nonprofit membership organization with more than 2.6 million members and 12,000 affiliated local clubs and state organizations all interested in firearms or the shooting sports.
Standardization Activities	Prepares and provides standard construction plans for a large variety of shooting ranges for different guns and events. Also standardized are paper and metal targets used in training and competition. These standards are researched and established by various specialized program committees and channelled through NRA's Competition Rules and Programs Committee. Standards are included in annually revised competitive rule books, in annual meeting reports, and special shooting range literature and program outlines and manuals.
Availability	Distributed directly
Keywords	shooting ranges; targets; safety; recreation; sports;

NATIONAL ROOF DECK CONTRACTORS ASSOCIATION

Robert B. Ware, President

P.O. Box 292
Cedar Rapids, Iowa 52406
(319) 362-8841

Founded: 1959

Type of Organization	Trade Association Works through other organizations to develop standards
Scope	Promotes the welfare of the structural roof deck systems industry by analyzing and informing the membership of conditions affecting the industry, informing the membership of improved operating methods and procedures, and conducting education and research activities.

Standardization Activities Develops or assists in the development of standard tests and test methods for industry products. Participate in model code development and with other government and public bodies involved with building, construction, and the installation of structural roof deck systems.

Formerly Gypsum Roof Deck Foundation Association (1980)

Keywords gypsum; roofing; building;

NATIONAL ROOFING CONTRACTORS ASSOCIATION

Fred Good, Executive Vice President

8600 Bryn Mawr Avenue
Chicago, Illinois 60631
(312) 693-0700

Founded: 1886

Type of Organization Trade Association
Standards Developer
Works with other organizations to develop standards

Scope Contractors applying asphalt, asbestos, coal tar pitch, elasto/plastic, slate, tile, metal, and wood roofs. Sponsors instruction for roofing superintendents and holds management institutes.

Standardization Activities Dedicated to the improvement of systems standards for all roofing systems. Studies materials and application procedures and standards through various technical committees. Has joint liaison groups with the Asphalt Roofing Manufacturers Association, the Roof Insulation Committee of the Thermal Insulation Manufacturers Association. Conducts test programs with other industry organizations on a joint basis. Aims to enhance the development of improved material and application standards for the roofing industry.

Produced a Roofing and Waterproofing Manual that provides recommended procedures, practices and evaluative comments on roofing specifications, construction details, and roofing materials. Cooperates with the National Bureau of Standards to conduct technical conferences. Also conducts an international symposium on roofing technology every five years.

Availability Distributed directly

Keywords roofing; building;

NATIONAL SAFE TRANSIT ASSOCIATION

Ellis Murphy, Executive Director

5940 West Touhy Avenue
Niles, Illinois 60648
(312) 763-7350

Founded: 1948

Type of Organization Trade Association
Standards Developer

Standards Development 3 Preshipment Test Procedures

Certification Certifies laboratories in their ability to perform testing services in accordance with NSTA procedures so that they, in turn, can certify that packages tested meet approved criteria and be designated "NSTA Safe Transit Tested."

Scope A voluntary, cooperative program which aims to reduce in-transit damage through a standardized program of preshipment testing, certification, and identification.

Standardization Activities Committee research and discussion leading to the development of standards for the preshipment testing of packaged products. Activity covers both testing procedures and performance levels.

Availability Sold directly

Formerly National Safe Transit Committee

Keywords packaging; containerization; transportation;

NATIONAL SAFETY COUNCIL

Robert Currie, Director, Office of External Relations

444 North Michigan Avenue
Chicago, Illinois 60611
(312) 527-4800

Telex: 25-3141

Founded: 1913

Standards Staff: 1

Type of Organization Technical Society
Works through other organizations to develop standards

Representation Representatives on more than 50 standards committees of ANSI, ASTM, NFPA, ASME, and ASAE

Secretariats ANSI A10, D15, D16, D18, L1, Z16, Z41, Z97, Z108, Z244

Scope A nonprofit, nongovernmental public service organization. Aims to determine and evaluate methods and procedures that prevent accidents and mitigate injury and economic loss resulting from accidents, and to provide leadership to expedite the adoption and use of those methods and procedures that best serve the public interest. Functions in the areas of occupational safety and health, traffic safety, motor transportation safety, product safety, and consumer safety.

Standardization Activities Focuses on standards concerned with safety of products or systems and with accident/injury record systems. In its materials and publications, references all of the appropriate codes and standards adopted by nationally recognized consensus standard producing organizations. Represented on ANSI's Organizational Member Council, the Safety and Health Standards Board, and the ANSI/OSHA Coordinating Committee.

Keywords safety; accident prevention; occupational health; traffic safety; consumer products; social welfare;

NATIONAL SANITATION FOUNDATION

Tom S. Gable, Executive Vice President

P.O. Box 1468
NSF Building
3475 Plymouth Road
Ann Arbor, Michigan 48106
(313) 769-8010

Founded: 1944

Standards Staff: 3

Type of Organization	Voluntary Research, Standards and Testing Organization Standards Developer
Standards Development	Standards developer since 1944 39 active standards and criteria Voluntary program involving the active cooperation of the manufacturer, the user, and the regulatory officials None processed through ANSI
Government Adoption	Many U.S. regulatory jurisdictions require by law, regulation, or department policy, products which comply with NSF standards or criteria.
Certification	Products determined in compliance with NSF standards or criteria are authorized for listing and display the NSF seal.
Scope	A noncommercial, nonprofit standards, research, testing, and educational organization. Seeks answers in environmental health, and establishes public and environmental health standards with the cooperation of all concerned.
Standardization Activities	Involves approximately 1,400 domestic and foreign manufacturers who use the NSF Seal on products meeting the applicable standard or criteria. Publishes and distributes a list of available standards as well as annual listings covering food service equipment, plastic piping system components and materials, swimming pool equipment, and special categories, including plumbing components for mobile homes and recreational vehicles, water and wastewater treatment devices, and biohazard cabinetry.
Availability	Distributed directly
Keywords	food equipment; plastic pipe; swimming pool; mobile homes; recreational vehicles; water; waste; environment; public health; sanitation; building;

NATIONAL SASH AND DOOR JOBBERS ASSOCIATION

Robert T. O'Keefe, Executive Vice President

205 West Touhy Avenue, Suite 211
Park Ridge, Illinois 60068
(312) 823-6300

Founded: 1964

Type of Organization	Trade Association Works through other organizations to develop standards
Scope	Promotes the use and increased consumption of stock millwork and related building products, including new products; advocates and promotes the sale of such products through sash and door jobbers; promotes the growth of the industry.
Standardization Activities	The association supports the development of standards related to window and door products. In cooperation with the National

Woodwork Manufacturers Association (NWMA), helped prepare and further commercial standards relating to double hung casement, awning, and single hung wood window units which have been incorporated into NWMA's Industry Standard 2.

Initiated and developed Voluntary Product Standard PS 32-70 for wood interior hinged door units which was promulgated by the Department of Commerce in 1970. To maintain the existence of a nationally recognized standard, NSDJA has developed the Recommended Product Standard for Interior Pre-hung Door Units (PS 1-79).

Formerly Formed by the merger of the Northern Sash and Door Jobbers Association (1935) and the Southern Sash and Door Jobbers Association (1935)

Keywords windows; doors; sash; millwork; building; wood products;

NATIONAL SCHOOL SUPPLY AND EQUIPMENT ASSOCIATION

John Spalding, Executive Vice President

1500 Wilson Boulevard, Suite 609
Arlington, Virginia 22209
(703) 524-8819

Founded: 1916

Type of Organization Trade Association
Works through other organizations to develop standards

Certification Issues certification when operable and folding walls are tested for sound transmission loss in accordance with ASTM E90.

Scope Manufacturers and distributors of school supplies, equipment, and instructional materials. Operating Divisions address the needs of manufacturers and users of auditorium, theatre, bleacher, and classroom seating, as well as play ground equipment, and operable partitions.

Standardization Activities Operable Partition Section of NSSEA has endorsed ASTM E557-77 which provides a standard for the application and installation of operable partitions. Also issues testing procedures for measuring sound transmission loss.

Availability Distributed Directly

Formerly National School Service Institute (1958)

Keywords partitions; school equipment; noise control; education; buildings;

NATIONAL SKI AREAS ASSOCIATION

Sam Bonasso, Standard Administrator

c/o Alpha Associates
Box 1250
Morgantown, West Virginia 26507
(304) 296-8216 Telex: 7109210304 MYLAN MORG

Founded: 1961 Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development	Standards developer since 1963 Processed through ANSI
Government Adoption	U.S. Department of Agriculture Forest Service, and states where skiing exists.
Secretariat	ANSI B77.1
Scope	A trade association of ski area operators, manufacturers, and suppliers of ski area equipment. Eight hundred members located in 39 states and several foreign countries. Aims are to promote skiing and safety in skiing, to protect natural resources in meeting the needs of the skiing public and ski area operators, and to ensure legitimate interests of ski area operators.
Standardization Activities	Maintains committee composed of operators, users, authorities having jurisdiction, designers, and manufacturers of aerial tramways. Developed American National Standard B77.1, Safety Requirements for Passenger Tramways; Aerial Tramways and Lifts, Surface Lifts, and Tows. Promotes this safety standard for the ski lift industry, used by ski lift manufacturers, ski area personnel, ski area insurance programs, and state and federal authorities having jurisdiction.
Availability	Distributed directly and through ANSI
Keywords	aerial tramways; cable cars; cableways; ski lifts; sports; skiing; recreation;

Howard K. Eggleston, President

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Represented on technical committees of the American Society for Testing and Materials, American Concrete Institute, Association of Asphalt Technologists, Highway Research Board, American Railway Engineering Association, American Society of Civil Engineers.
Scope	A technically-oriented organization representing companies processing over 95% of the steel-industry slag used in the USA. Conducts technical meetings and disseminates information from world-wide sources concerning the production, processing, properties, and use of steel-industry slags. Represents members on a large number of national, state and local specification and standardization organizations. Provides information and technical consulting services to members, architects, engineers, contractors, and other organizations.
Standardization Activities	Cooperates actively with specification-writing organizations at national and state levels in formulating and revising aggregate specifications and in developing standards covering test procedures. Standardization of aggregates is further promoted by research dealing with aggregates and their end-use products, conducted in the association's laboratory located in Youngstown, Ohio.
Keywords	slag; aggregate; construction; materials;

NATIONAL SOCIETY TO PREVENT BLINDNESS

Lisa Semple, Executive Director

79 Madison Avenue
New York, New York 10016
(212) 684-3505

Founded: 1908

Type of Organization Scientific Society
Standards Developer

Representation ANSI K61, Z80, Z87
ASTM F8.57

Secretariats ANSI Z87 Committee

Scope The oldest voluntary health agency nationally engaged in the prevention of blindness through a comprehensive program of community service, public and professional education, and research.

Standardization Activities With advice and guidance of professional scientific advisory committees, develops standards for vision screening of preschool and school age children, for eye safety programs in schools and industry, for glaucoma screening, and for services providing low vision aids to the partially sighted.

Availability Sold directly and through ANSI

Formerly Formed by Merger of New York State Committee for the Prevention of Blindness and the American Association for the Conservation of Vision (1918)
National Committee for the Prevention of Blindness (1927)

Keywords blindness prevention; eye protection; public health; social welfare;

NATIONAL SOFT DRINK ASSOCIATION

Dwight C. Reed, President

1101 16th Street NW.
Washington, D.C. 20036
(202) 463-6732

Founded: 1919

Type of Organization Trade Association
Standards Developer

Standards Development Three active standards

Standards Designation VPS, ANSI/VPS, and VS prefixes

Government Adoption NBS 73-77 Carbonated Soft Drink Bottles (1977)

Scope Provides manufacturers of soft drinks throughout the United States and others interested in the welfare of the industry a forum to discuss matters of common interest, provides a medium for improving soft drink plant operating procedures, conducts research on problems relating to the industry, and provides informational and educational services in the interest of the consumer.

Standardization Activities Instrumental in the development of voluntary standards or guidelines, designed for the betterment of the consumer and the bottling and packaging activities of the industry.

Availability Sold directly, through Government Printing Office, and ANSI

Formerly American Bottlers of Carbonated Beverages (1967)

Keywords soft drinks; beverages; packaging;

NATIONAL SOLID WASTES MANAGEMENT ASSOCIATION

Michael B. Cooper, Director of Equipment/Technology
1120 Connecticut Avenue
Suite 930
Washington, D.C. 20036
(202) 659-4613

Founded: 1964

Type of Organization Trade Association
Standards Developer

Standards Designation ANSI Z245.x

Certification Waste Equipment Manufacturers Institute Stationary Compactor Safety Certification Program

Secretariats ANSI Z245 on Refuse Processing, Collection, and Disposal

Scope 2,000 companies

Standardization Activities Develops safety standards primarily associated with the solid waste management industry. Includes procedures for the manufacture, installation, and operation of equipment and facilities. Standards Committee includes manufacturers, distributors, end users or operators, government regulation and/or enforcement agencies, and special purpose or trade associations.

Availability Distributed through ANSI

Formerly Absorbed the Incinerator Institute of America (1974)

Keywords solid waste; refuse; public health; sanitation; industrial equipment;

NATIONAL SOYBEAN PROCESSORS ASSOCIATION

Sheldon J. Hauck, President
1800 M Street NW.
Suite 1030
Washington, D.C. 20036
(202) 452-8040

Telex: 248959 NSPA WSH

Founded: 1930

Type of Organization Trade Association
Standards Developer

Certification Provides certification for Official Weighmasters; Automatic Sampler Installation at Vessel Loading Facilities; and Automatic Sampler Installation at Barge Loading Transfer Facilities.

Scope Association of America's soybean processors whose members process and market 95 percent of all soybeans crushed in the United States. Maintains close liaison with major modes of transportation, and encourages the development and expansion of markets for soybean products.

Standardization Activities Adopts standard specifications for crude, domestic soybean oil covering quality, grade, and methods of analysis. Establishes recommended soybean oil and meal trading rules. Helps establish product definitions for the formula feed industry.

Availability Sold directly

Keywords soybean meal; soybean oil; agriculture;

NATIONAL SPA AND POOL INSTITUTE

Larry E. Paulick, Senior Vice President

2000 K Street NW.
Washington, D.C. 20006
(202) 331-0847

Founded: 1956

Type of Organization Trade Association
Standards Developer

Scope A national trade association comprised of approximately 2,700 swimming pool builders, pool equipment manufacturers and suppliers, architects, engineers, public officials, and others allied with the pool industry. Sets guidelines for pool builders and works toward better pool building and the maintenance of high ethical standards.

Standardization Activities Develops standards for residential and public spas, hot tubs and above-ground pools. Cooperates with the American Public Health Association, National Safety Council, Underwriters Laboratories, National Sanitation Foundation, National Electrical Code, International Association of Plumbers and Mechanical Officials, Consumer Product Safety Commission, and the Young Men's Christian Association of the United States. Provides information and assistance to a number of Government agencies and maintains liaison with other international swimming pool and spa organizations. Follows accreditation procedures of ANSI. Administers a Technical Council which maintains committees in the areas of design, accessory equipment, chemical treatment, and publications.

Availability Distributed directly

Keywords swimming pools; spas; hot tubs; consumer products; safety; sanitation;

NATIONAL TERRAZZO AND MOSAIC ASSOCIATION

Ed Grazzini, Executive Director

3166 Des Plaines Avenue, Suite 24
Des Plaines, Illinois 60018
(312) 635-7744

Founded: 1923

Standards Staff: 4

Type of Organization Trade Association
Standards Developer

Standards Development	25 active standards
Government Adoption	All technical manuals and design catalogs are accepted by Government agencies.
Scope	Contractors who install terrazzo and mosaic work and firms which produce or manufacture materials. Provides information to building owners, architects, builders, and terrazzo contractors. Conducts research on installation methods.
Standardization Activities	Maintains a Technical Committee and Quality Control Committee active in standards development. Publishes Technical Data Book which contains 25 standard national specifications for the installation of both cementitious and resinous terrazzo. Also develops standards on various application and grinding techniques.
Availability	Distributed directly
Keywords	terrazzo; mosaic; construction; building; materials;

NATIONAL TIRE DEALERS AND RETREADERS ASSOCIATION

Gurnie Hobbs, Director
Retreading and Technical Services

1250 Eye Street NW.
Suite 400
Washington, D.C. 20005
(202) 789-2300
(800) 368-5757

Founded: 1921

Type of Organization	Trade Association Standards Developer
Scope	An organization of 5,000 independent tire dealers and retreaders in the U.S., Canada, and abroad. Concerned with matters which affect the tire dealer and his ability to do business including product development, marketing, legislation, new tires, retread, service, and after market areas.
Standardization Activities	Heavily committed to retreading, NTDRA maintains a field force of six highly qualified plant inspectors, inspecting 800 retread plants annually. Also provides recommended industry standards to keep the science of retreading at a high level.
Availability	Distributed directly
Formerly	National Association of Independent Tire Dealers Absorbed the Tire Retreading Institute (1978)
Keywords	tire; automobile parts; retread; transportation;

NATIONAL WATER WELL ASSOCIATION

500 West Wilson Bridge Road
Worthington, Ohio 43085
(614) 846-9355

Founded: 1948

Type of Organization	Technical Society Works through other organizations to develop standards
-----------------------------	---

Representation American Water Works Association

Certification Offers a voluntary Certification Program for water well drilling contractors and pump construction contractors throughout the United States. One general and 12 specific examinations are given for certification achievement.

Scope An organization of water well drilling contractors, manufacturers, wholesale suppliers and professional geologists, hydrologists, and engineers interested in the problems of locating, developing, and utilizing underground water supplies. Objectives of the association include the promotion of scientific development and the advancement of the science of ground water hydrology.

Standardization Activities Specification Committee cooperates with the American Water Works Association in developing standards for deep wells. This committee through the National Water Well Association Research Facility is under contract to the U.S. Environmental Protection Agency (EPA) for the development of construction specifications for types of wells and geologic conditions. These specifications will be promulgated by EPA to all state and local governments.

Keywords wells; water wells; hydrology; public health;

NATIONAL WHOLESALE HARDWARE ASSOCIATION

Trish Lilly, Administrative Assistant

1900 Arch Street
Philadelphia, Pennsylvania 19103
(215) 564-3484

Founded: 1894

Type of Organization Trade Association
Standards Developer

Scope A trade association for wholesalers of hardware products.

Standardization Activities Maintains a comprehensive standardized forms program and as a result has issued Standardization of Forms and Information Flow Used in Ordering, Shipping and Billing of Merchandise within the Hardgoods Industry. NWAHA, the American Hardware Manufacturers Association, the National Builders Hardware Association, the National Industrial Distributors Association, and the Southern Industrial Distributors Association strongly recommend the adoption of the standardized forms to ease the information flow throughout the hardgoods industry.

Availability Distributed directly

Keywords hardware; forms; data processing;

NATIONAL WOODEN PALLET AND CONTAINER ASSOCIATION

William C. Baldwin, Executive Vice President

1619 Massachusetts Avenue NW.
Washington, D.C. 20036
(202) 667-3670

Founded: 1947

Type of Organization Trade Association
Standards Developer

Scope Manufacturers and distributors of pallets, pallet containers, boxes, crates, shoo, and skids.

Standardization Activities Publishes standard specifications covering the construction of hardwood, softwood, and plywood pallets. These standards provide minimum requirements for a series of nine quality grades covering various wooden pallets.

Availability Distributed directly

Formerly Merger of National Wooden Box Association and National Wood Pallet Manufacturers Association (1947)

Keywords pallets; containers; packaging;

NATIONAL WOODWORK MANUFACTURERS ASSOCIATION

John N. Shoemaker, Executive Vice President

205 West Touhy Avenue
Park Ridge, Illinois 60068
(312) 823-6747

Founded: 1926

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since early 1920's
7 product standards; 4 test methods processed through ANSI

Standards Designation Industry Standards, I.S.

Government Adoption HUD, Farmers Home Administration, DoD, and others.

Certification Wood Flush Door, Window, Sliding Patio Door, and Water Repellent Preservative Programs.

Scope Represents over 100 manufacturers and material suppliers in the wood window and door industries.

Standardization Activities Active in product standard research and development. Works with ASTM and ASHRAE in the development of standards for the industry. NWMA standards are referenced by the federal government, architects, specifiers, builders, and building product suppliers.

Availability Sold directly

Formerly National Door Manufacturers Association (1950)

Keywords windows; doors; millwork; building; wood products;

NOISE CONTROL PRODUCTS AND MATERIALS ASSOCIATION

April A. Fitzgerald, Executive Secretary

Suite 201 Park Place
655 Irving Park at Lake Shore Drive
Chicago, Illinois 60613
(312) 525-2644

Founded: 1976

Type of Organization Trade Association
Works through other organizations to develop standards

Representation ANSI, ASTM

Certification Administers a voluntary certification and labeling program for sound absorption materials.

Scope An international trade association of manufacturers of a wide range of noise control products and materials. Serves as a central clearing house for technical information on acoustical materials for specifiers, users, and educators.

Standardization Activities Cooperates with government, industry and private laboratories to develop noise control standards.

Keywords noise control; acoustical materials;

NORTHEASTERN LUMBER MANUFACTURERS ASSOCIATION

Keith Judkins, Executive Director

4 Fundy Road
Falmouth, Maine 04105
(207) 781-2252
Founded: 1933

Type of Organization Trade Association
Standards Developer

Scope A nonprofit, private organization that promotes the welfare and advancement of the interests of northeast lumber producer.

Standardization Activities Maintains a Grading Committee which develops Standards and NELMA Grading Rules. Also serves as the rules writing agency for the northeast for the American Lumber Standards Committee Board of Review.

Availability Distributed directly

Keywords lumber; timber; grading rules; inspection; wood; building;

NORTHERN HARDWOOD AND PINE MANUFACTURERS ASSOCIATION

Thomas P. Brogan, Executive Vice President

P.O. Box 1124
Green Bay, Wisconsin 54305
(414) 432-9161

Founded: 1905

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development Standard developer since the 1900's

Standards Designation PS, Product Standard
Official Rules

Government Adoption U.S. Department of Commerce; National Bureau of Standards

Certification Certifies products complying with Official Rules and standards.

Scope Manufacturers of hardwood and softwood lumber products. Established to set up grading standards, improve quality and standards in the industry and promote sales.

Standardization Activities Maintains the Softwood Inspection Bureau which is a rules writing and grading authority for northern and eastern species in the Lake States. The promotion and assurance of quality lumber products is the trademark of the Bureau. It is recognized by the American Lumber Standards Committee under PS-20-70. Adopted a National Grading Rule for dimension lumber as part of the American lumber Standard. Maintains an inspection service which supervises and trains lumber inspectors, reinspects and certifies shipments.

Availability Distributed directly

Keywords wood; grading rules; inspection; lumber; building;

NORTHERN TEXTILE ASSOCIATION

see **ELASTIC FABRIC COUNCIL**

and **FELT MANUFACTURERS COUNCIL**

OPTICAL LABORATORIES ASSOCIATION

George A. Chase, Ph.D., Director
Technical Services Department

P.O. Box 2000
Merrifield, Virginia 22116-2000
(301) 966-9470

Founded: 1939

Standards Staff: 1

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Represents its American members to both ASTM and ANSI by providing relevant data and input to the creation of consensus standards which affect manufacturer, laboratory, professional, and consumer.

Secretariats ANSI Committee Z80, Ophthalmic Standards

Scope An association for independent ophthalmic prescription eyeglass and contact lens fabricators located in the United States and Canada.

Standardization Activities Its primary objective is the creation and maintenance of voluntary standards which meet the safety and effectiveness needs of the consumer by providing products which perform within the current state of the manufacturing art.

Participates closely in the maintenance of existing standards to eliminate design in favor of performance requirements wherever possible, and to keep industry standards in line with advances in technology. As new technologies develop, the Association assumes an active role in the assessment of proper performance standards and testing techniques.

Formerly Central Optical Wholesalers Association (1939)
Association of Independent Optical Wholesalers (1942)
Optical Wholesalers Association (1962)

Keywords ophthalmic products; eyeglass; spectacle; contact lens; optical laboratory;

OPTICAL MANUFACTURERS ASSOCIATION

Eugene Adams Keeney, Executive Vice President

6055A Arlington Boulevard
Falls Church, Virginia 22044
(703) 237-8433

Founded: 1916

**Type of
Organization**

Trade Association
Standards Developer

Scope

Manufacturers of ophthalmic frames, lenses, cases, and optical machinery.

**Standardization
Activities**

Prepares and makes available Standards and Specifications for Marking and Stamping Optical Frames and Mountings Made in Whole or in Part of Gold that are based upon the National Stamping Act, Commercial Standards CS 47-34 and CS 57-38 promulgated by the National Bureau of Standards, and pertinent rulings of the Federal Trade Commission. Develops methods of marking temple lengths and measuring frame and lens sizes, and adopts screw standards for ophthalmic frames. Participates in the American National Standards Committee Z80, concerned with standards for ophthalmic frames, lenses, contact lenses, and sunglasses.

Availability

Distributed directly

Keywords

optical frames, lenses, ophthalmic products;

OPTICAL SOCIETY OF AMERICA

Jarus W. Quinn, Executive Director

1816 Jefferson Place NW.
Washington, D.C. 20036
(202) 223-8130

Founded: 1916

**Type of
Organization**

Scientific Society
Standards Developer

Scope

Primary purpose is to increase and diffuse the knowledge of optics in all its branches, pure and applied; to promote the mutual interests of investigators of optical problems, of designers, manufacturers, and users of optical instruments and apparatus of all kinds; and to encourage cooperation among them.

**Standardization
Activities**

Standardization and specification work handled by technical committees which publish reports in the society's journal on visual sensitometry; colorimetry; photometry; standard wavelengths; nomenclature and standards; photography; radiometry; and spectrophotometry. The latest and most elaborate of these technical reports appeared as a book, The Science of Color, and as a set of uniformly spaced color samples. Cooperates with other technical organizations in standardization within the various branches of optics. Cooperates actively with the International Commission for Optics, the International Commission on Illumination and the American National Standards Institute. Maintains representation on boards or committees of the American Institute of Physics, the National Research Council, the American Association for the Advancement of Science, and the Inter-Society Color Council.

Availability

Sold directly

keywords

optics; optic instrumentation; colorimetry; photography;

ORTHOPEDIC SURGICAL MANUFACTURERS ASSOCIATION

Eldon E. Frisch, President and Standards Coordinator

12334 Gerdes Road
Hemlock, Michigan 48626
(517) 642-5224

Telex: 227450

Founded: 1955

Standards Staff: 4

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

ASTM, ISO, and ANSI

Scope

Manufacturers and distributors of orthopedic devices and instrumentation used in reconstructive surgery done by orthopedic surgeons. Established to promote the patient's best interest by standardization of materials and sizing. Develops guidelines, fosters research, disseminates knowledge and information relating to scientific and practical problems, cooperates with professional health associations, interfaces with governmental agencies, and promotes high ethics in all phases of the surgical supply industry.

Standardization Activities

Twenty-four member firms have employees active in development of medical device standards. Representatives serve as officers and members of various standards development organizations including ASTM, ISO, and ANSI. They participate in policy making decisions and in the content of test methods and standards pertaining to medical devices.

Keywords

orthopedic surgery; medical devices;

OUTDOOR POWER EQUIPMENT INSTITUTE

John F. Liskey, Technical Director

1901 L Street NW.
Washington, D.C. 20036
(202) 296-3484

Founded: 1952

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1956
70 members participate in standards activities
All OPEI sponsored standards are developed under ANSI's Consensus Procedures
All draft standards are available for review

Certification

Through the services of an independent testing laboratory, OPEI conducts a third party voluntary certification program for each of the OPEI sponsored voluntary standards approved and published by ANSI.

Secretariats

For each of the standards listed above and U.S. Technical Advisory Group to ISO/TC 23/SC 13, Powered Lawn and Garden Equipment.

Scope

A national trade association representing the domestic manufacturers of power lawn mowers, snow throwers, roto tillers, commercial turf care equipment, garden tractors, and related equipment and attachments.

Standardization Activities Developed ANSI B71.1 Power Lawn Mowers; B71.3, Snow Throwers; B71.4, Commercial Turf Care Equipment; and B71.6, Shredders. sponsors standards currently under development for Log Splitters, Edger/Trimmers, and Roto Tillers. An ANSI sound level test procedure, B71.5, for outdoor powered equipment is nearing approval.

Availability Published standards may be obtained through ANSI. Draft proposed standards may be obtained directly

Formerly Lawn Mower Institute, Inc.

Keywords lawn equipment; lawn mowers; snow throwers; shredders; log splitters; roto tillers; garden tractors; agriculture; acoustics; consumer products;

PACKAGING MACHINERY MANUFACTURERS INSTITUTE

Claude S. Breeden, Jr., Executive Director

1343 L Street NW.
Washington, D.C. 20005
(202) 347-3838

Founded: 1932

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A voluntary nonprofit association of U.S. companies manufacturing packaging machinery and packaging-related converting machinery. Seeks to solve problems of the packaging machinery industry and provides information and services to member companies, users of packaging and converting machinery, the Government, and the general public.

Standardization Activities Maintains Product Safety and Technical Information Committees. A member of the American National Standards Institute and supports its work with the International Organization for Standardization. Works with the Occupational Safety and Health Administration to publish a safety standard for the Care, Use, and Construction of Packaging Machinery.

Cooperates with associations such as the Fibre Box Association and the Adhesives Manufacturers Association of America in promoting recommended practices on the storage, maintenance, and application of adhesives used in conjunction with automatic packaging machinery.

Keywords packaging; machinery:

PAINTING AND DECORATING CONTRACTORS OF AMERICA

E. Glen Craven, Executive Director

7223 Lee Highway
Falls Church, Virginia 22046
(703) 534-1201

Founded: 1884

Type of Organization Trade Association
Works through other organizations to develop standards

Scope Represents painting and decorating contractors throughout the United States. Endeavors to maintain high standards of

workmanship and safety in the painting, decorating, drywall, wallcovering, and coating industries. Committee activities involve labor, public, and government relations.

Standardization Activities

Works with the National Safety Council, OSHA, ANSI, and other organizations such as National Contractors Employers Commission, Association of Special Contractors, American Subcontractors Association to develop standards for wallcovering, scaffolding and ladders, and general safety in the industry.

Keywords

painting; wallcovering; safety;

PAPERBOARD PACKAGING COUNCIL

S. Edward Icker, President

1101 Vermont Avenue NW., Suite 411
Washington, D.C. 20005
(202) 289-4100

Founded: 1967

Type of Organization

Trade Association
Standards Developer

Scope

A nonprofit national trade association representing companies in the production and conversion of paperboard into folding cartons and packages. Functions include marketing information and statistics, industrial relations, safety, technical and production, and Government relations.

Standardization Activities

Maintains a Technical and Production Committee, and special ad hoc groups established for the administration of standards activities.

Issues Guidelines and Standards for the Paperboard Packaging Industry, as a set of voluntary industry standards and specifications recommended for users and suppliers of folding paper cartons. Cooperated with the Federal Government in the development of Simplified Practice Recommendations for margarine cartons and rectangular ice cream cartons and also a new bacon carton standard. Involved in standards for printing nutritional labeling and Universal Product Code symbols on fluid milk cartons. Also cooperates with the Government in reviewing and commenting on Federal specifications.

Availability

Distributed directly

Formerly

Merger of several groups including the Folding Paper Box Association and The Institute for Better Packaging.

Keywords

packaging; containers; cardboard;

PERLITE INSTITUTE

Robert S. Milanese, Managing Director

45 West, 45th Street
New York, New York 10036
(212) 382-0070

Telex: 291212 PERL

Founded: 1949

Type of Organization

Trade Association
Standards Developer

Standards Development Standards developer since 1949
65 members participating in standards activities
20 active standards
None processed through ANSI
Draft standards not available for review

Standards Designation PI prefix

Government Adoption Various government agencies have adopted ASTM standards on perlite including GSA, FHA, and VA.

Secretariats ASTM C16.23, Thermal Insulation

Scope A national and international nonprofit trade association which sponsors research leading to standardization of specifications and methods of testing perlite and perlite products. Collects data, initiates and correlates research, and develops specifications and test methods. Cooperates with technical and engineering societies, other trade associations, and government agencies interested in standards.

Standardization Activities Activities are directed toward fulfilling ore producer, expander and customer requirements. Works closely with Underwriters Laboratories (UL), International Conference of Building Officials (ICBO), Southern Building Code Conference International (SBCCI), National Bureau of Standards (NBS), Building Officials and Code Administrators (BOCA), and other agencies and industry organizations.

Publishes test methods and related standards containing test methods for evaluating quality of expanded perlite, and American Society for Testing and Materials specifications applicable to perlite. Publishes standards for perlite products used in building, industrial, and horticultural industries.

Availability Distributed directly

Keywords perlite; insulation; aggregate; abrasives; materials;

PHARMACEUTICAL MANUFACTURERS ASSOCIATION

John Jennings, Vice President Science and Technology

1100 Fifteenth Street NW.
Washington, D.C. 20005
(202) 835-3400

Founded: 1958

Telex: TWX-7108229494-PMA-WSH

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Participates in standards developing activities of the Food and Drug Administration, the United States Pharmacopoeia, the National Formulary, AAMI, ANSI, ASTM, NCCLS, European Committee for Clinical Laboratory Standards (ECCLS), and other public and private standards setting organizations.

Scope A nonprofit scientific and professional organization representing firms that discover, develop, and produce prescription drugs, biological products, medical devices, and diagnostic products. The Association's members produce most of the prescription drugs and a large part of the world's medical devices and diagnostic products. The Association's principal objectives are: (1) to encourage high standards in the research, development, production and marketing of drug products, medical devices and diagnostic

products; (2) to develop and disseminate information about the pharmaceutical industry to the public, all levels of government, the media, international organizations, and other groups; (3) to help keep industry abreast of government actions and public concerns; and (4) to work with member companies, other health-related organizations, government and consumer entities, and the public to advance medical science and improve health-care services.

Standardization Activities	Participates in developing methods of analysis and standards for drugs and biologicals and methods of testing and standards for the performance and labeling of medical devices and <u>in vitro</u> diagnostic products. Participation is either by staff (approximately one to two person years per year) or representatives of member companies drawn from PMA's Biological, Medical, Production, Engineering and Materials Management, Quality Control, and Research and Development Sections.
Formerly	American Drug Manufacturers Association and American Pharmaceutical Manufacturers Association (merged in 1958)
Keywords	drugs; pharmaceuticals; biologicals; medical devices; <u>in vitro</u> diagnostic products; health care;

PHOTO CHEMICAL MACHINING INSTITUTE

Judith Ginsberg, Executive Director

4113 Barberry Drive
Lafayette Hill, Pennsylvania 19444
(215) 825-2506

Founded: 1968

Type of Organization	Trade Association Standards Developer
Standards Development	5 active standards
Standards Designation	PCMI prefix
Scope	Association of individuals connected with industries producing metal parts by photo chemical machining, such as photo etching.
Standardization Activities	Develops standards applicable to photo chemical machining, including terms and definitions, dimensional tolerances, photo-resists, and master artwork design. Publishes a Guide to Alloy Selection containing 34 specifications of the American Society for Testing and Materials on such topics as copper, nickel, stainless, aluminum, magnesium, cold rolled carbon steel strips, titanium, and many others. The purpose of this guide is to provide, in one reference volume, a compendium of all alloy specifications that are utilized in the area of photo chemical machining.
Availability	Distributed directly
Keywords	photo chemical machining; manufacturing; materials; photo etching;

PHOTOGRAPHIC SOCIETY OF AMERICA

G. E. Schoenherr, Chairman, Technical Standards Committee

67 Panorama Trail
Rochester, New York 14625
(716) 722-5431

Founded: 1933

Standards Staff: 10

Type of Organization

User Association
Standards Developer

Standards Development

3 active technical standards
8 active uniform practices

Standards Designations

PSA Technical Standards
PSA Uniform Practices

Scope

A nonprofit organization, international in scope. Promotes the arts and sciences of photography and furthers public education in the field. Interests of members include the uses of all types of photographic materials, their applications, and characteristics of their manufacture.

Standardization Activities

Through its Technical Standards Committee, formulates technical standards. Affiliated with ANSI and has representatives on PH sectional committees on photography, as well as membership on the Photographic Technical Advisory Board. Representatives selected to represent its interests are chosen on the basis of their competence as users and their technical knowledge in the field. Establishes practices and requirements for judging and exhibition, safe handling, and other rules which contribute to the success of international photographic and camera club events on a worldwide basis.

Availability

Distributed directly

Formerly

Associated Camera Clubs of America

Keywords

photography, camera, film;

PIPE FABRICATION INSTITUTE

Louis R. Paulick, Executive Director

1326 Freeport Road
Pittsburgh, Pennsylvania 15238
(412) 782-1624

Founded: 1913

Type of Organization

Technical Society
Standards Developer

Scope

Producers and designers of high pressure/high temperature piping systems for chemical plants, refineries, central power stations, and ships; concerned with technical and economic problems of the piping industry.

Standardization Activities

The standards and technical bulletins developed by the Engineering Committee cover the design, fabrication and erection of industrial and high pressure/high temperature piping to meet the requirements of power plants including nuclear, fossil, chemical, petroleum, and process piping. Through its members, the institute is officially represented on various code bodies and national engineering societies.

Availability Distributed directly and through IHS
Keywords pipe; pipe fabrication; industrial equipment;

PIPE LINE CONTRACTORS ASSOCIATION

Hailey A. Roberts, Managing Director

2800 Republic Bank Dallas Building
Dallas, Texas 75201
(214) 655-2700 Telex: 73-2324

Founded: 1947

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Four contractor members serve on the API-AGA 1104 Joint Welding Committee composed of industry representatives sponsored by the American Petroleum Institute and the American Gas Association.

Scope Association of contractors, equipment manufacturers, suppliers, and dealers of main-line pipe line. Represents the industry in labor negotiations. Promotes cooperation, efficiency, and safety in the main-line pipe line construction industry.

Standardization Activities Reviews and revises API Standard 1104, Standard for Welding Pipelines and Related Facilities.

Keywords petroleum pipe lines; construction;

PLASTICS PIPE INSTITUTE

Ronald Frano, Executive Director

355 Lexington Avenue, 10th Floor
New York, New York 10017
(212) 573-9400

Founded: 1949

Type of Organization Trade Association
Standards Developer

Scope A division of the Society of the Plastics Industry. Dedicated to creating broader markets and market opportunities for plastics pipe and related products.

Standardization Activities Maintains a Technical Committee which represents the industry in Standards Writing and Code Writing organizations: ASTM F-17, Thermoplastics Piping Systems; ANSI B16, Valves and Fittings; ANSI B31.3, Chemical and Petroleum Piping Code; American Petroleum Institute, Oil Patch Piping; American Water Works Association, Water Distribution Piping Standards; and Water Pollution Control Federation, Piping Manuals.

Maintains a Hydrostatic Stress Committee which develops industry-wide recommendations on the long term strength of plastic piping products and plastics piping thermoplastic material; evaluates test procedures and extrapolation methods for obtaining the long term pressure capabilities of fittings; maintains listing of Hydrostatic Design Stress recommendations for thermoplastics materials; and establishes industry guidelines on changes in pipe formulation for long term strength properties.

The Fuel Gas Division develops educational material used by gas companies, Federal and State agencies, to train operators and inspectors in proper and mandated use of plastics gas piping; maintains close liaison with Department of Transportation and other government agencies concerned with proper use of plastics piping for fuel gas; maintains close liaison with user group technical committees such as American Gas Association and American Petroleum Institute.

The Large Diameter Polyolefin Pipe Division assists AWWA in development of appropriate standards and maintains liaison with key government agencies including EPA, HUD, etc.

Availability Distributed directly

Keywords plastic pipe; pipe; building; construction;

PLUMBING AND DRAINAGE INSTITUTE

Austin O. Roche, Executive Secretary

5342 Boulevard Place
Indianapolis, Indiana 46208
(317) 251-5298

Founded: 1928

Type of Organization Trade Association
Standards Developer

Standards Development 9 active standards
7 processed through ANSI

Standards Designations PDI-G, PDI-WH, and ANSI prefixes

Government Adoption Used extensively by General Services Administration, Department of the Army, Coast Guard, and Veterans Administration.

Certification Provides certified testing, rating, and installation procedures for grease interceptors and water hammer arresters. Testing equipment is maintained by independent laboratories. Furnishes certification seals which provide evidence that a product has met PDI performance standards.

Scope An association of manufacturers of plumbing and drainage products. Promotes the advancement of plumbing engineering and the plumbing industry through public relations, research, and product standardization.

Standardization Activities Maintains an Engineering Committee which engages in product certification and standards development in the areas of back-water valves, hydrants, floor and roof drains, plumbing fixture supports, and cleanouts. Cooperates with the American Society of Mechanical Engineers in the development of ANSI standards.

Availability Distributed directly and through ASME

Formerly Plumbing and Drainage Manufacturers Association (1954)
Plumbing Manufacturers Association (1949)

Keywords plumbing; drainage products; building; sanitation;

POLYURETHANE MANUFACTURERS ASSOCIATION

Richard Church, Executive Director

999 North Main Street, Suite 203
Glen Ellyn, Illinois 60137
(312) 858-2670

Founded: 1971

Type of Organization

Trade Association
Standards Developer

Scope

A private, nonprofit trade association of companies involved in the manufacture of solid polyurethane thermosetting elastomers and their related chemical and equipment suppliers. Promotes and maintains an organization for the mutual advancement and welfare of its members and the polyurethane industry.

Standardization Activities

Maintains a Standards Committee whose purpose is to select and standardize physical test procedures suitable for use with solid polyurethane elastomers, and to promote and disseminate these recommended practices throughout the industry. The two phase program consists of evaluation and selection of existing specifications suitable for use with solid polyurethane; and modification of new test procedures suitable for use as an educational tool. Specifications booklet being revised to include new standards for cast urethanes and specifications for RIM processing of urethanes.

Availability

Distributed directly

Keywords

polyurethane; materials;

PORCELAIN ENAMEL INSTITUTE

John C. Oliver, Executive Vice President

1911 North Ft. Myer Drive
Arlington, Virginia 22209-1658
(703) 527-5257

Founded: 1930

Type of Organization

Trade Association
Standards Developer

Standards Designation

PEI, ASTM, and ANSI prefixes

Scope

Manufacturers of major appliances, sanitaryware, architectural porcelain enamel and suppliers to the industry. Conducts market development programs, develops test methods for evaluation of porcelain enamel properties. Maintains weather resistance testing site jointly with the National Bureau of Standards.

Standardization Activities

Works primarily through the voluntary standards development system utilizing the committee system of ASTM and ANSI. Also develops and maintains standards and specifications for specialized sectors of the porcelain enameling industry. In addition, serves as conduit of industry input into government-initiated standards.

Availability

Distributed directly

Keywords

porcelain enamel; appliances; plumbing fixtures; cookware; materials;

PORTABLE POWER EQUIPMENT MANUFACTURERS ASSOCIATION

see CHAIN SAW MANUFACTURERS ASSOCIATION

PORTABLE SANITATION ASSOCIATION

T. C. Anderson, Executive Director

7850 Metro Parkway, Suite 202
Bloomington, Minnesota 55420
(612) 854-8300

Founded: 1971

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Developer

Standards developer since 1976
3 active standards
35 members participating in standards activities
Processed through ANSI
Draft standards available for review

Certification

No certification, qualification, or accreditation programs

Secretariats

ANSI Z4

Scope

An international trade association that represents U.S. and foreign firms engaged in the leasing, renting, selling, and manufacturing of portable sanitation equipment, services and supplies for construction, recreation, emergency, and other uses. Devoted to the proper handling of human waste by the most modern, sanitary means, giving the greatest concern to the preservation of an unspoiled environment.

Standardization Activities

Develops standards directed toward providing clean, sanitary restroom facilities for any gathering of people that do not have adequate permanent facilities close at hand. Assists manufacturers supplying the industry in market research and types and kinds of equipment which will fill these needs.

Recommends standards to BOCA, SBCCI, OCHA, Council of American Building Officials (CABO), IAPMO, and various other state, county, and local health departments.

Standards include minimum sanitation requirements for temporary labor camps to protect the health and safety of persons residing in the camps or in the vicinity of the camps. Also provides standards for adequate toilet facilities in places of employment.

Availability

Distributed through ANSI

Keywords

sanitation; toilets; public health;

PORTLAND CEMENT ASSOCIATION

William J. Young, President

5420 Old Orchard Road
Skokie, Illinois 60077
(312) 966-6200

Founded: 1916

Standards Staff: 55

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation	Staff members are active in four model codes organizations and eight standards organizations, serving on seventy committees of ASTM, ANSI, ACI, ASCE, AASHTO, AREA, NFPA, ASHRAE, and others.
Certification	Construction Technology Laboratories (CTL), the contract research division of PCA, provides compliance certifications to clients in the form of test and/or investigative reports on a project by project basis. CTL does not have a product labeling program, nor associated product qualification programs.
Secretariats	Secretary for the American Concrete Institute's (ACI) 318 Committee which writes the Building Code Requirements for Reinforced Concrete referenced in building codes throughout the nation and used by all structural design professionals.
Scope	Represents the cement manufacturing industry. Serves the industry by extending and improving the uses of cement and concrete through research and development, market promotion, educational programs, and public affairs activities including representation with government. Cooperates with other concrete industry associations and national organizations representing business and industry. Provides a range of services to its members as well as to those private and public segments of the economy that serve the needs of the construction community in the United States and Canada.
Standardization Activities	<p>Develops new standards and updates existing standards to reflect the latest findings in scientific research and test programs in the fields of cement and concrete technology, advanced engineering developments in all areas of concrete design and construction, and results of structural investigations and field experiences in the uses of concrete.</p> <p>Does not write proprietary standards, but works with national standards-writing organizations to develop building codes, design standards, and material and test standards. The Research and Development/Construction Technology Laboratories group, and the Market Development group of PCA participate in this activity.</p>
Keywords	cement; concrete; test laboratories; fire protection;

POST-TENSIONING INSTITUTE

Clifford Freyermuth, Executive Director

301 West Osborn Street, Suite 3500
Phoenix, Arizona 85013
(602) 265-9158

Founded: 1976

Standards Staff: 1

Type of Organization	Trade Association Standards developer and works through other organizations to develop standards
Representation	ACI, AASHTO
Scope	Membership consists of post-tensioning material fabricators, manufacturers of prestressed steel, concrete construction organizations, professional engineers, and architects. Promotes the use of post-tensioning materials through research technical development and marketing efforts. Cooperates in the adoption and maintenance of standard specifications for the design, fabrication, and installation of post-tensioning materials.

Standardization Activities	Publishes Guide Specifications for Post-Tensioning Materials and Recommendations for Grouting of Post-Tensioned Prestressed Concrete Members. Generally works through committees of the American Concrete Institute and American Association of State Highway Officials for standards development.
Availability	Directly and through ACI and AASHTO
Formerly	Post-Tensioning Division of the Prestressed Concrete Institute
Keywords	construction; concrete; post-tensioning; prestressed concrete;

POWDER ACTUATED TOOL MANUFACTURERS INSTITUTE

T. David McFarland, Executive Director
 435 North Michigan Avenue, Suite 1717
 Chicago, Illinois 60611
 (312) 644-0828 Telex: 70163

Founded: 1952

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	ANSI, ISO
Certification	Administers training course that entitles a trainee to receive a basic training certificate for powder actuated fastening systems.
Scope	Furtheres the development of a powder actuated systems industry; encourages the safe use and effective application of powder actuated fastening systems; encourages research; cooperates with organizations engaged in similar work.
Standardization Activities	Participates on ANSI A10.3 Committee for Safety Requirements for Powder Actuated Fastening Systems. Serves on the ISO/TC 29 Subcommittee for standard power loads used in powder actuated fastening systems.
Keywords	fastenings; tools; construction; safety;

PRESSURE SENSITIVE TAPE COUNCIL

Carl A. Wangman, Executive Director
 1800 Pickwick Avenue
 Glenview, Illinois 60025
 (312) 724-7700

Founded: 1953

Type of Organization	Trade Association Standards Developer
Scope	An organization of American manufacturers of pressure sensitive tape (excluding surgical tape and label stock). Works with code and specification writing agencies.
Standardization Activities	Maintains research on test methods and standards of nomenclature, and on characteristics of products under all conditions of temperature and humidity. Publishes Test Methods booklet consisting of thirty-one testing procedures for pressure sensitive tapes. Each test has been developed, revised, and edited by the Technical and Safety Committee of the Council in cooperation with interested government agencies over an extended period of time.

Also publishes an annual tape products directory designed to inform industrial, commercial, and retail consumers of the variety of pressure sensitive tapes and the applications in which they have been successfully used. The tapes are listed by company, giving the tape identification number, description, principal uses, and manufacturer's values. The values given are in accordance with the PSTC Test Methods for tensile strength, adhesion, thickness, and elongation.

Availability Distributed directly

Keywords tape; packaging;

PRESTRESSED CONCRETE INSTITUTE

F. Rosenberg, Executive Director

201 North Wells Street
Chicago, Illinois 60606
(312) 346-4071

Founded: 1954

Type of Organization Trade Association
Standards Developer

Certification The Plant Certification Program certifies a plant's capability to produce architectural precast and prestressed concrete of the highest quality. Recognized as a Quality Assurance Inspection Agency by the Council of American Building Officials (CABO).

Scope A trade association representing the manufacturers of precast, prestressed concrete products used as structural and architectural elements in buildings, bridges, and other structures. The professional membership helps develop working documents, such as, handbooks, design guides and manuals, guide specifications, and state-of-the-art reports to assist other professionals use the product in a correct and economical manner.

Standardization Activities Develops guide specifications, design guides, and other documents in which standards of the ASTM, ACI, ANSI, AASHTO, AREA, etc., are cited to aid the engineer or architect in designing and specifying industry products.

Availability Distributed directly

Keywords concrete; prestressed concrete; construction;

PRINTING INDUSTRIES OF AMERICA

Rodney L. Borum, President

1730 North Lynn Street
Arlington, Virginia 22209
(703) 841-8100

Founded: 1887

Type of Organization Trade Association
Standards Developer

Secretariats American National Standards Committee B65, Safety Specifications for Controls and Signaling Devices for Printing Presses

Scope Represents the graphic arts industry as a federation of national, state, and regional associations. Performs a primary role in

industrial relations, management development, public relations, and government affairs for its industry.

Standardization Activities

Maintains a continuing interest in the development of standards for promoting technical progress and production efficiencies. Activities include participation with the Technical Association of the Pulp and Paper Industry in production; operating communication standards for magazine paper mills, printers and publishers; publication of Virgin Vinyl Standards for Loose Leaf Binders through its Binding Industries of America Section; development of Standard Specifications for Preparation of Computer Prepared Second and Third Class Postage Mailing Labels, through its Magazine Printers Section; preparation of standards for printing plate gauges, sizes, tolerances, and packaging, through its National Association of Lithographic Platemakers Section; participation with Magazine Publishers Association and others in the development of standard specifications for advertising reproduction material for magazine web offset printing; and others through its Graphic Communications Computer Association and International Business Forms Sections.

Formerly

United Typothetae of America (1945)
Printing Industry of America, Inc. (1965)
Absorbed: Lithographers and Printers National Association (1964)

Keywords

printing; lithography; communications; paper; information processing;

PRODUCT SAFETY ASSOCIATION

Roger A. Lockwood, Executive Director

P.O. Box 91236
Los Angeles, California 90009
(213) 643-0367

Founded: 1981

Type of Organization

Professional Society
Works through other organizations to develop standards

Representation

ANSI, EIA, ISO

Certification

Examines and certifies product safety professionals

Secretariats

U.S. TAG ISO/TC 145 Graphic Symbols

Scope

Governing organization which encompasses the Product Safety Society, Product Safety Foundation, and International Product Safety Institute.

Provides consumers, the product industry, appropriate government agencies, and the academic community with a neutral third-party to develop, monitor, and improve product safety standards. Conducts college level courses and seminars and professional training programs for industry.

Standardization Activities

Develops requirements and standards which are processed through ANSI to improve consumer product safety. These range from basic methodology to specific technologies. Active in ANSI Z66, Paints and Coatings Accessible to Children, as well as Toy Safety Standards. Member of EIA G48, Systems and Product Safety.

Keywords

product safety; consumer products; general;

PROJECT MANAGEMENT INSTITUTE

Bonnie McGarr, Executive Director

P.O. Box 43
Drexel Hill, Pennsylvania 19026
(215) 622-1796

Founded: 1969

Type of Organization	Professional Society Works through other organizations to develop standards
Representation	ANSI
Scope	A nonprofit organization devoted exclusively to the field of project management. Fosters recognition of the need for professionalism in project management; provides a forum for free exchange for project management problems, solutions, and applications; coordinates industrial and academic research efforts; develops common terminology and techniques to improve communications; provides interface between users and suppliers of hardware and software systems; and provides guidelines for instruction and career development in the field of project management.
Standardization Activities	Functions are performed through the Professional Liaison Committee which coordinates with the Technology, Research Policy and Education Committees. Participates in national activities through the American National Standards Committee XK36.3 and internationally, through liaison with an appointed observer to Internet. Does not deal with the Federal Government directly. Several members are Federal employees in agencies involved with project management.
Keywords	management; business; information processing;

PULP AND PAPER MACHINERY MANUFACTURERS ASSOCIATION

Frank M. McManus, Executive Director

7297-M Lee Highway
Falls Church, Virginia 22042
(703) 533-9391 TWX: 710-831-9800 ATMA FSCH

Founded: 1933

Type of Organization	Trade Association Works through other organizations to develop standards
Scope	Membership consists of the manufacturers of pulp and paper machinery.
Standardization Activities	Participates in the ANSI standards process and programs of the American Paper Institute, TAPPI and others. Currently considering the establishment of a project to develop a voluntary standard.
Keywords	paper; machinery;

PULVERIZED LIMESTONE ASSOCIATION

Robert Black, President

c/o J. M. Huber Corporation
P.O. Box 4005
Quincy, Illinois 62305
(217) 224-1100

Founded: 1954

Type of Organization

Trade Association
Standards Developer

Standards Development

10 Standard Test Methods published
None processed through ANSI

Scope

Fourteen member companies engaged in manufacturing and selling pulverized limestone products. Sponsors research projects for the use of pulverized limestone in the manufacture of paper, plastics, rubber, paints, floor coverings, and other applications as an inert filler.

Standardization Activities

Develops uniform standards that can be usefully adopted by manufacturers and users of pulverized limestone. Develops test procedures for testing significant properties of pulverized limestone.

Availability

Distributed directly

Keywords

limestone; pulverized limestone; construction; materials;

RACK MANUFACTURERS INSTITUTE

William Hakanson, Managing Director

1326 Freeport Road
Pittsburgh, Pennsylvania 15238
(412) 782-1624

Telex: TWX 710 664 4202

Founded: 1958

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1958
40 member companies participating in standards activities
4 active standards
Two being processed through ANSI

Scope

Consists of firms engaged in the design and manufacture for sale of industrial steel storage racks. Active in standardization and fire protection of high rack storage areas.

Standardization Activities

Publishes standards and nomenclature including Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks; Minimum Design Standards for Pallet Stacking Frames; Manual of Safety Practices for the use of Industrial and Commercial Steel Storage Racks; Stacker Rack Nomenclature; and Specification for the Design and Utilization of Industrial Portable Storage Racks.

Availability

Distributed directly and through the Material Handling Institute, Inc.

Keywords

storage racks; material handling; stacker racks; industrial equipment;

RADIO TECHNICAL COMMISSION FOR AERONAUTICS

William C. Fuchs, Director, Technical Services

One McPherson Square
1425 K Street NW., Suite 500
Washington, D.C. 20005
(202) 682-0266

Founded: 1935

Standards Staff: 7

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1935
Approximately 1,000 participants in standards development
60 active standards
One document accepted as the ISO standard for airborne equipment environmental testing

Standards Designation

Minimum Operational Performance Standards (RTCA/DO-XXX)

Government Adoption

The Federal Aviation Administration has adopted the majority of RTCA Airborne equipment standards as Technical Standard Orders (TSO).

Scope

An association of aeronautical organizations of the United States from both government and industry representing the commercial and private airspace users, aircraft manufacturers, and airborne and ground electronic system manufacturers. Active in the field of aviation electronics and telecommunications, and other closely allied fields. Areas of interest include: airborne systems; environmental test procedures for airborne equipment; operational and technical characteristics of systems; aeronautical frequency spectrum utilization; and other problems associated with air traffic control, navigation, communications, and efficient use of airports and airspace.

Standardization Activities

Seeks solutions to problems involving the application of electronics and telecommunications to aeronautical operations. These solutions are frequently in the nature of recommended technical standards and common operational requirements which are acceptable to government, industry, and users. Cooperates with European Organization for Civil Aviation Electronics (EUROCAE).

Availability

Sold directly, and distributed through IHS, IMI, Global, NSA, and Avionics Magazine

Keywords

avionics; aviation; communications; electronics; testing;

RADIO TECHNICAL COMMISSION FOR MARITIME SERVICES

W.T. Adams, President

P.O. Box 19087
Washington, D.C. 20036
(202) 296-6610

Founded: 1947

Type of Organization

Trade Association/Technical Society
Standards Developer

Standards Development

Standards cover all aspects of maritime telecommunications
None Processed through ANSI
Draft standards not available for review by non-RTCM members

Standards Designations	RTCM Recommendations, usually with designator Special Committee (SC) Report #
Government Adoption	RTCM Recommendations, where appropriate, are adopted by cognizant government agencies such as FCC and U.S. Coast Guard.
Certification	No certification, qualification, or accreditation programs
Scope	160 member organizations active in all aspects of maritime telecommunications including any transmission, emission, or reception of signs, signals, writing, images, and sounds, or intelligence of any nature by wire, radio, optical, and other electromagnetic and visual systems.
Standardization Activities	Standardization activities are primarily focused on user-defined requirements for maritime telecommunications. Special Committees formed to address standards areas are open to participation by all RTCM members and government agencies. Liaison is maintained with appropriate national and international organizations working in similar areas.
Availability	Distributed directly
Formerly	Radio Technical Commission for Marine Services
Keywords	maritime; shipping; boating; radio; electronics; telecommunications; radiodetermination; radionavigation; radiolocation; radar; transportation; communications; electronics;

RADIOLOGICAL SOCIETY OF NORTH AMERICA

Adele Swenson, Executive Director

1415 West 22nd Street
Oak Brook, Illinois 60521
(312) 920-2670

Founded: 1915

Type of Organization	Professional Society Works through other organizations to develop standards
Representation	A member of the Medical Devices Standards Board, ANSI, and the National Council of Radiation Protection and Measurements.
Scope	A professional society which promotes the study and practical application of radiology, radium, electricity, and other branches of physics related to medical science.
Standardization Activities	Supports activities of the organizations listed above and reports to its members annually on standards activities.
Keywords	radiology; radiation; medical devices;

RAILWAY TIE ASSOCIATION

D. B. Mabry, Executive Secretary

314 North Broadway
St. Louis, Missouri 63102
(314) 231-8099

Founded: 1919

Type of Organization	Trade Association Standards Developer
-----------------------------	--

Standards Development	1 standard
Standards Designation	Specifications for Cross Ties and Switch Ties
Scope	Membership consists of those interested in the manufacture and procurement of wood railroad cross ties. Cooperates with government agencies in conservation of forests and forest products, planting trees, and reforestation. Collects statistics and promotes standardization of cross ties.
Standardization Activities	Administered by an Executive Committee and Committee on Research and Product Development. Active in international activities through its Canadian membership. Cooperates with Government agencies on cross tie specifications. Works with the Association of American Railroads Research Center and the Chicago and North-western Railway on a research test track. Promotes standards through magazine, Crossties.
Availability	Distributed directly
Formerly	National Association of Railroad Tie Producers (1937)
Keywords	railway ties; cross ties; transportation;

RECORDING INDUSTRY ASSOCIATION OF AMERICA

	Stephen J. Traiman, Vice President and Executive Director
	888 Seventh Avenue, 9th Floor New York, New York 10106 (212) 765-4330
	Founded: 1952
Type of Organization	Trade Association Standards Developer
Standards Development	4 active standards
Certification	No certification, qualification, or accreditation programs
Scope	A nonprofit trade association for the U.S. sound and video recording industry. Promotes mutual interests of recording companies and the betterment of the industry. Initiates and sponsors programs and activities geared to the needs and problems of the recording industry.
Standardization Activities	The Engineering Committee provides an ongoing review to maintain high technical standards for phonograph records, prerecorded audio tapes, videodiscs and videocassettes, and digital audio discs to insure uniformity and compatibility. Cooperates with ANSI, IEC, and EIA, and has drafted its own dimensional standards to facilitate equipment design and assure interchangeability.
Availability	Distributed directly
Formerly	Record Industry Association of America (1952)
Keywords	phonograph records; cassettes; videodiscs; videocassettes; recording; communications;

RECREATION VEHICLE INDUSTRY ASSOCIATION

Bruce A. Hopkins, Vice President, Standards

P.O. Box 204
14650 Lee Road
Chantilly, Virginia 22021
(703) 968-7722

Founded: 1963

Standards Staff: 7

Type of Organization

Trade Association
Standards Developer

Standards Development

3 active standards

Secretariats

ANSI Committee A119, Recreation Vehicles and Recreation Vehicle Parks; ANSI EGS-1, Standard for Engine Generator Sets for Recreation Vehicles.

Scope

Manufacturers and suppliers of recreational vehicles. Provides the industry a base from which to communicate with legislators, government agencies, the media, and the general public.

Standardization Activities

Coordinates state activities, inspection services, and standards development. Establishes minimum requirements for installation of plumbing, electrical, and other safety related systems in recreation vehicles and for design and construction features for recreation vehicle parks and campgrounds. Monitors state agencies; does compliance inspections on member manufacturers; provides educational programs on compliance standards. Monitors proposed standards and keeps industry informed of changes. Requires that manufacturers comply with existing standards as a condition for membership. Representation on standards committees of ANSI and NFPA.

Availability

Distributed directly

Formerly

American Institute of Travel Trailer and Camper Manufacturers (1968)
Recreation Vehicle Institute (1974)

Keywords

recreation; transportation; recreational vehicles;

RED CEDAR SHINGLE AND HANDSPLIT SHAKE BUREAU

Virgil G. Peterson, Secretary

515 116th Avenue NE., Suite 275
Bellevue, Washington 98004
(206) 453-1323

Founded: 1963

Type of Organization

Trade Association
Standards Developer

Standards Designation

CS 31-33, Wood Shingles
CS 199-55, Cedar Shakes

Government Adoption

National Bureau of Standards

Certification

Developed a quality label which manufacturers place on bundles of No. 1 grade red cedar shingles that meet all quality requirements of the Commercial Standard. Labels are also issued and placed on

bundles of shingles for No. 2 and No. 3 grades. A similar grade-marking and certification program is followed for machine-grooved red cedarshakes and rebuttet-rejointed red cedar shingles.

Scope Membership includes manufacturers, distributors, and users of redwood, red cedar, and tidewater red cypress shingles. Promotes the manufacture, sale of high-grade shingles through advertising and trade promotion; grading and labeling; and mill inspection.

Standardization Activities Develops and revises standards relating to the quality of redwood, tidewater red cypress and red cedar shingles. Develops and issues grading and packing rules.

Formerly Merger of Red Cedar Shingle Bureau and Handsplit Cedar Shake Association (1963)

Keywords wood products; grading rules; inspection; lumber; building;

REDWOOD INSPECTION SERVICE

Peter Johnson, Jr., General Manager

591 Redwood Highway, Suite 3100
Mill Valley, California 94941
(415) 381-1304
Founded: 1961

Standards Staff: 5

Type of Organization Trade Association
Standards Developer

Standards Development Developed standard for California Redwood Lumber through authorization of the American Lumber Standards Committee and PS-20-70.

Standards Designation Standard Specifications for Grades of California Redwood Lumber

Certification Adopts official grademarks signifying that products so marked have been graded in accordance with standard specifications of the Redwood Inspection Service. Grademarks are applied by qualified graders of member companies or by cooperating grading agencies operating within requirements established by the American Lumber Standards Committee.

Scope Nonprofit organization for the primary purpose of establishing uniform grades of redwood lumber, consultation with Government agencies concerning grades and grading of redwood and other species of lumber. Promulgates rules for the redwood lumber industry. Membership includes 85 percent of the redwood producers. Rules are developed by a Grading Committee and approved by Board of Directors.

Standardization Activities Adopts standard specifications for grades, sizes, patterns, and grademarks for redwood lumber; planing mill products; special purpose uses for redwood lumber including tank stock, stadium seat stock, foundation sills, structural grades, structural glue laminating grades, and miscellaneous products including railroad ties, cooling tower material, shingles, and shakes. Cooperates with other lumber organizations and with the American Lumber Standards Committee in keeping current the American Lumber Standards set forth in the Department of Commerce Product Standard 20-70. Grading rules for redwood lumber are in accordance with these standards and approved by the American Lumber Standards Committee.

Availability Sold directly

Keywords wood products; shingles; grading rules; inspection; lumber; building; railway ties;

REFRACTORIES INSTITUTE

Charles G. Marvin, Vice President

One Oliver Plaza #3760
Pittsburgh, Pennsylvania 15222
(412) 281-6787

Founded: 1951

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Active in ASTM Committee C-8 on Refractories and ISO Committee TC33 on Refractories
Scope	A national trade association representing a large segment of the refractories industry which is comprised of over 130 companies. Primary purposes are to promote demand for the industry's products, to conduct and stimulate research aimed at improving products and processes, to aid in the development of new product applications, to keep its members abreast of new developments, and to work cooperatively with government agencies involved with the industry.
Standardization Activities	Cooperates with national technical associations developing test methods for refractories. Informs member companies of U.S. and international standardization activities regarding refractories.
Keywords	refractories; fireclay; firebrick; insulating refractories; dolomite; materials;

RESILIENT FLOOR COVERING INSTITUTE

Robert D. Maurer, Managing Director

966 Hungerford Drive, Suite 12B
Rockville, Maryland 20850
(202) 833-2635

Founded: 1929

Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since 1929
Standards Designation	RFCI prefix
Scope	Represents resilient floor covering producers of tile and sheet vinyl flooring products in the United States.
Standardization Activities	Developed standards for tile and sheet vinyl products, including adhesives and installation and maintenance instructions. Works with the Federal Government in developing standards for resilient tile and sheet vinyl for use by the Government.
Availability	Distributed directly
Keywords	floor covering; vinyl tile; building;

RESISTANCE WELDER MANUFACTURERS ASSOCIATION

Tony Carroll, Executive Director

1900 Arch Street
Philadelphia, Pennsylvania 19103
(215) 564-3484

Founded: 1931

Type of Organization

Trade Association
Standards Developer

Scope

A trade association representing U.S. companies engaged in manufacturing resistance welding machines, electrodes and components (controls, transformers, etc.) Engages in a varied program of activities embracing the development of standard specifications for numerous types of resistance welding equipment, research and development work, and cooperation with other associations and industries with mutual or parallel interests and problems.

Standardization Activities

Developed specifications for resistance welding machines: spot, press, portable, seam, upset butt, flashbutt, etc.; electrode alloy materials; nomenclature, definitions, etc. Developed standard classification for resistance welding electrode alloys, stating minimum permissible physical and electrical qualities. Also developed standards for spot welding electrode holders welding electrodes (spot and seam) together with recommended electrode alloys for spot welding of similar and dissimilar metal combinations. Identified and classified trade names and numbers. Developed standard nomenclature and definitions on resistance welding equipment and techniques. Cooperates with the National Electrical Manufacturers Association and the American Welding Society to develop standards.

Availability

Distributed directly

Keywords

resistance welding; manufacturing; spot welding; welding electrodes;

RICE MILLERS ASSOCIATION

J. Stephen Gabbert, Executive Vice President

1235 Jefferson Davis Highway, Suite 302
Arlington, Virginia 22202
(703) 920-1281 Telex: 89-2751

Founded: 1899

Type of Organization

Trade Association
Standards Developer

Scope

A national, nonprofit association of independent rice milling companies and farmer-owned cooperative rice milling firms. Collects and compiles statistics, acts as a liaison between industry and government, arbitrates disputes, assists in establishment of standards, and generally promotes the rice milling industry.

Standardization Activities

Establishes standard contract terms and conditions for trade in rice and rice products. Prescribes standard forms of sales contracts for use in the U.S., Puerto Rico, and export markets. Adapts and uses grade and quality standards of the U.S. Department of Agriculture.

Keywords

rice; grain; rice milling; agriculture; food;

RUBBER MANUFACTURERS ASSOCIATION

Edward J. McCarthy, Secretary, Hose Technical Committee

1400 K Street NW.
Washington, D.C. 20005
(202) 682-1338

Telex: 892666 Rubber Club
Washington

Founded: 1915

Standards Staff: 5

Type of Organization

Trade Association
Standards Developer

Standards Development

200 member companies participate in standards development
Some standards are submitted to ANSI canvassing procedures
Draft standards are available for review by interested organizations

Standards Designation

RMA; Joint RMA/MPTA/RAC, Mechanical Power Transmission Association/Rubber Association of Canada; Joint RMA/TFI, The Fertilizer Institute; Joint RMA/CGA, Compressed Gas Association

Government Adoption

Some RMA documents are cited by some federal regulatory agencies, e.g., OSHA.

Certification

No certification, qualification, or accreditation programs

Secretariats

ISO/TC 45/SC 1 - Hoses
ISO/TC 45/SC 1/Working Group 1 - Industrial, Chemical, and Petrochemical Hoses
ISO/TC 41/SC 4 - Synchronous Belt Drives
ASTM Subcommittee D11.31 - Rubber Hose
International Rubber Quality and Packing Conference

Scope

A national trade association of the rubber industry, representing over 200 member companies which manufacture finished rubber products. Operates on state, national, and international levels and represents its members before legislative and regulatory bodies, as well as in other standards-writing forums.

Standardization Activities

Committees review and make recommendations on governmental standardization proposals and participate in the standards programs of ANSI, SAE, ASTM, DOT, OSHA, DOD, DOC, and others. Develops standards and specifications for hose, conveyor belting, power transmission belting, sealing products, molded and extruded products, heel and sole, protective linings, roll coverings, and coated materials.

Availability

Distributed directly, through member companies and through ANSI

Formerly

New England Rubber Club (1909)
Rubber Club of America (1917)
Rubber Association of America (1929)

Keywords

rubber; elastomeric; hose; conveyors; transmission belts; industrial equipment; seals; coated materials; heels; soles; materials;

SAFETY GLAZING CERTIFICATION COUNCIL

Leigh T. Yates, President

1640 West 32 Place
Hialeah, Florida 33012
(305) 558-1352

Founded: 1971

Type of Organization Certification Organization
Standards Developer

Certification Products complying with established safety characteristics can be marked with a label signifying certification by the SGCC. A number is also assigned to the safety glazing material.

Scope A nonprofit organization of manufacturers of safety glazing products, building code administrators, and others. Established and maintained a program to administer periodic testing related to the Consumer Product Safety Commission standard for safety glazing in buildings (16 CFR 1201), and as outlined in ANSI Z97.1-1975. Also approves and registers the manufacturers label with the ability to withdraw certification if deemed appropriate.

Standardization Activities Administers a safety glazing certification program which is operated in compliance with ANSI Practice for Certification Procedures (Z34.1-1947) and the Code of Federal Regulations. Uses independent testing laboratories to sample and evaluate products. Publishes Certified Products Directory which lists all certified products, label requirements, and procedural guidelines for manufacturers seeking certification.

Availability Distributed directly

Keywords glazing; tempered glass; glass; materials; building;

SALT INSTITUTE

Frank O. Wood, Technical Director

206 North Washington Street, Suite 300
Alexandria, Virginia 22314
(703) 549-4648
Founded: 1914

Standards Staff: 1

Type of Organization Trade Association
Works through other organizations to develop standards

Scope A nonprofit association supported by the world's major salt producers. Its 16 U.S. members produce 95% of the dry salt produced in the U.S. Activities include research, information services, government relations, member services, and field services.

Standardization Activities Serves as the national and the international standards representative for the salt industry. Twenty percent of total activities concerned with standardization. Cooperates with the National Academy of Sciences and the Department of Labor, General Services Administration, and the U.S. Army Natick Laboratories. Also works with the American National Standards Institute, the American Society for Testing and Materials, the American Water Works Association, the United States Pharmacopeia, the American Association of State Highway and Transportation Officials, and the American Feed Manufacturers Association.

Formerly The Salt Producers Association (1963)

Keywords salt; sodium chloride; materials;

SCAFFOLDING, SHORING AND FORMING INSTITUTE

Joseph P. Budd, Managing Director

1230 Keith Building
Cleveland, Ohio 44115
(216) 241-7333

Founded: 1960

Type of Organization

Professional Society
Standards Developer

Standards Development

13 standards prepared
None processed through ANSI

Scope

Fourteen manufacturers of scaffolding, shoring, and forming. Establishes recommended criteria and inspection procedures for the proper and safe use of scaffolding to support formwork in concrete construction.

Standardization Activities

Provides recommended safety requirements for shoring, concrete formwork, and scaffolding including flying deck forms, rolling shore brackets, horizontal shoring beams, single post shores, steel frame shoring. Also provides recommended scaffolding erection procedures.

Availability

Sold directly

Formerly

Steel Scaffolding and Shoring Institute

Keywords

scaffolding; shoring; construction; safety;

SCALE MANUFACTURERS ASSOCIATION

Raymond J. Lloyd, Executive Director

1133 15th Street NW.
Washington, D.C. 20005
(202) 429-9440

Founded: 1945

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1945
30 members in association
8 active standards
1 processed through ANSI

Standards Designation

SM prefix

Certification

No certification, qualification, or accreditation programs

Scope

A national trade association that represents U.S. manufacturers of scales, balances, and major weighing elements.

Standardization Activities

Directed toward fulfilling user-defined requirements of the industry and its customers through participation in both national and international standardization efforts.

Availability

Distributed directly

Keywords

scale; weighing machines; instruments;

SCIENTIFIC APPARATUS MAKERS ASSOCIATION

Cynthia Esher, Director of Administration

1101 16th Street NW.
Suite 300
Washington, D.C. 20036
(202) 223-1360

Telex: 904082

Founded: 1918

Type of Organization

Trade Association
Standards Developer

Standards Development

31 current standards

Secretariats

Sponsors and provides the secretariat for American National Standards Committee C100, Electrical Reference Instruments, and American National Standards Committee C39, Electrical and Electronic Instruments, as well as five subcommittees of C39.

Scope

Represents over 200 manufacturers and distributors of scientific instruments and laboratory apparatus. Organized into seven product-oriented sections: analytical instruments, laboratory apparatus, measurement and test instruments, nuclear instruments, optical, process measurement and control, and scientific laboratory furniture and equipment.

Standardization Activities

Active standardization program pursued through a standards committee for each section. Formulates processes, approves and publishes standards in accordance with the SAMA Standards Manual. Where appropriate, process standards through American National Standards Institute (ANSI).

Cooperates and supports the related standards making activities of: Instrument Society of America, American Society for Testing and Materials, Institute of Electrical and Electronics Engineers, National Conference of Standards Laboratories, National Committee on Clinical Laboratory Standards, Underwriters Laboratories, National Fire Protection Association, American Petroleum Institute, Association for the Advancement of Medical Instrumentation, and others. Maintains active liaison and support of Government agencies including: National Bureau of Standards, General Services Administration, Department of Defense, Environmental Protection Agency, and the Occupational Safety and Health Administration.

Increasingly active in international standardization working with the pertinent committees and working groups of the International Organization for Standardization (ISO), the International Electrotechnical Commission (IEC), and the International Organization for Legal Metrology (OIML). Supports U.S. delegates to several committees and working groups and sponsors working group and committee secretariats.

Availability

Distributes standards through member companies and related organizations

Formerly

Absorbed Association of Nuclear Instrument Manufacturers (1917)

Keywords

laboratory equipment; scientific apparatus; laboratory furniture; measuring instruments; test instruments; nuclear instruments; optics;

SCREEN MANUFACTURERS ASSOCIATION

June G. Fitzgerald, Executive Secretary

655 Irving Park at Lake Shore Drive
Suite 201 Park Place
Chicago, Illinois 60613
(312) 525-2644

Founded: 1955

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer

Standards Development

Six active standards

Standards Designation

SMT, SMA, and ANSI prefixes

Scope

Manufacturers of metal window, patio, door, and porch screens; sponsors research programs; compiles statistics.

Standardization Activities

Develops and maintains testing procedures and specifications for metal and solar screens.

Availability

Sold directly

Keywords

screens; building;

SEALED INSULATING GLASS MANUFACTURERS ASSOCIATION

James Dickinson, Executive Vice President

111 East Wacker Drive, Suite 600
Chicago, Illinois 60601
(312) 644-6610

Founded: 1963

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

Work with ASTM

Scope

Manufacturers of insulating glass and suppliers to the industry. Compiles statistics, provides government liaison, publishes information on test methods.

Keywords

insulating; glass; building;

SEMA FOUNDATION

Furn Brockman, Executive Director

11540 East Slauson Avenue
Whittier, California 90606
(213) 699-9669

Founded: 1978

Type of Organization

Trade Association
Standards Developer

Certification

Chassis Builder Certification Program and Wheel Manufacturer Certification Program.

Scope	A national trade association that represents U.S. companies in motorsports racing, i.e., drag racing, tractor pullers, motor boat racing, and most American wheel manufacturing. These include chassis builders, and manufacturers of driving suits, bellhousing shields, supercharger restraint devices, and wheels.
Standardization Activities	Activities are directed toward fulfilling user-defined requirements of the drag racing industry, and toward user-defined requirements of manufacturers of custom road wheels. Cooperates with the American Hot Rod Association, National Hot Rod Association, International Hot Rod Association, and National Tractor Pullers Association.
Formerly	Specialty Equipment Manufacturers Association
Keywords	motorsports; racing; sports;

SEMICONDUCTOR EQUIPMENT AND MATERIALS INSTITUTE

	George E. Moore, Sr., Standards Director
	625 Ellis Street, Suite 212 Mountain View, California 94043-2295 (415) 964-5111 Telex: 171-977 SEMIMNTV
	Founded: 1970 Standards Staff: 5
Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since 1974 Represent 740 corporate and 600 individual members Draft Standards available for review None processed through ANSI
Standards Designations	C Chemicals and Gases E Equipment G Packages M Materials P Photomasks
Scope	Serves U.S. and international companies and individuals to foster the advancement of knowledge about equipment, materials, and services distinct to the production and use of semiconductor devices. Founded in 1970 to develop the SEMICON trade shows. SEMI activities have expanded to include technical symposiums, market research seminars, trade issues, and standards development.
Standardization Activities	The SEMI Standards Program encompasses virtually every facet of semiconductor manufacturing and has established specifications and test methods in six critical areas: chemicals, equipment (including automation and communications), materials, packaging, photomasks, and safety. Emphasis in standards development is placed upon: communication between producers and users; interchangeability of products and components; technology transfer; safety; energy conserving products; and efficiencies in design, production, and inventory. Nearly 2000 engineers, scientists, and technicians volunteer to serve on more than twenty standards setting subcommittees. Many subcommittees have established a liaison with one or more of the following standards organizations: ASTM, ANSI, CGA, JEDEC, IEEE, DIN, NBS. Membership in SEMI Standards programs is open to all interested individuals. Anyone may propose a topic for standardization to the SEMI Standards Committee which governs the SEMI Standards Program.

A balloting procedure designed to allow maximum fair participation precedes the approval of any specification or test method. The Standards Committee reviews all proposed standards to ensure that the balloting procedure has been properly performed.

The Book of SEMI Standards, a five-volume publication, is revised annually for publication in April.

Availability Sold individually or as a set directly and through IHS

Keywords semiconductor; high-technology; manufacturing; chemicals; equipment; materials; packages; photomasks, automation; communications; integrated circuits; gases;

SHEET METAL, AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION

Judith Douglas, Publications Department

8224 Old Courthouse Road
Vienna, Virginia 22180
(703) 790-9890

Founded: 1944

Type of Organization Trade Association
Standards Developer

Standards Development 13 active standards
3 under development
None processed through ANSI

Scope A nonprofit trade association dedicated to the advancement of the sheet metal, heating, ventilating, air-conditioning, industrial sheet metal, and roofing industries. Activities and services are carried out in four departments: technical, labor relations, legislative affairs, and business management.

Standardization Activities The Technical Services Department administers standards activities. Although some standards are developed for labor relations and safety practices, the majority fall into two categories: duct construction and architectural sheet metal.

SMACNA's technical documents have national acceptance in the building and construction industry, and the organization is a recognized authority on duct construction detail and architectural metal detail. Publishes Architectural Sheet Metal Manual, Architectural Sheet Metal Specifications, Air Handling Specifications, Low Velocity Duct Construction Standards, High Velocity Duct Construction Standards, Fibrous Glass Duct Construction Standards, Balancing and Adjustment of Air Handling Systems, Fire Damper Guide for Air Handling Systems, Ducted Electric Heat Guide for Air Handling Systems, Duct Liner Application Standard, Pressure Sensitive Tape Standards for Fibrous Glass Duct, Residential Heating and Air-Conditioning System Installation Standards (SMACNA-NESCA), Thermoplastic Duct (PVC) Construction Manual and Special Study Report on Fire Protection for Ceiling Outlets.

Publications being developed are for design of duct systems, flexible duct standards, and industrial duct construction.

Availability Distributed directly

Formerly Sheet Metal Contractors National Association (1956)

Keywords air-conditioning; air handling;

SILVER INSTITUTE

Richard L. Davies, Managing Director

1001 Connecticut Avenue NW., Suite 1140
Washington, D.C. 20036
(202) 331-1227 Telex: 904233

Founded: 1976

Standards Staff: 1

Type of Organization	Trade Association Standards Developer
Standards Designations	Unified Number Designations
Government Adoption	Government use, not adoption
Certification	No certification programs, supplier self certification
Secretariats	ASTM Committee B-2, Section on Unified Numbering System Designations for Precious Metals.
Scope	An international trade association of miners, refiners, fabricators, and bullion dealers. Extends the market for the use of silver through publications, seminars, joint symposiums with technical organizations, and trade shows.
Standardization Activities	Develops standard alloy designations for silver alloys for Unified Numbering System for Metals and Alloys issued by the Society of Automotive Engineers (SAE) and the American Society for Testing and Materials.
Availability	Distributed directly and through ASTM and SAE
Keywords	silver; precious metals; bullion; alloys; materials;

SLIDE FASTENER ASSOCIATION

E. K. Fox, President

366 Madison Avenue
New York, New York 10017
(212) 682-2925

Founded: 1950

Type of Organization	Trade Association Standards Developer
Standards Development	13 active standards All processed through ASTM
Standards Designations	ASTM D prefix
Scope	Manufacturers of zippers, zipper components, and supplies. Serves members and users of zippers by encouraging improvements in the design and application of zippers, providing a mechanism for resolving mutual problems and assuring requisite performance and quality. Standards are one important means by which these objectives are achieved.
Standardization Activities	The SFA Technical Committee develops standards through the voluntary standards development process of ASTM. Current standards include strength, colorfastness and durability test

methods, standard dimensions, and selection criteria and application guidelines.

Availability Directly and through ASTM and its distributors

Formerly Slide Fastener Manufacturers Association of America

Keywords zippers; fasteners; textiles; consumer products;

SMALL MOTOR MANUFACTURERS ASSOCIATION

Elizabeth B. Bevington, Associate Director

P.O. Box 637
Libertyville, Illinois 60048
(312) 362-3201

Founded: 1975

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1975
52 member companies participate in standards activities
8 active standards plus 2 under development

Certification No certification, qualification, or accreditation programs

Scope An international industry organization representing original equipment manufacturers, users, suppliers, and other interested parties involved in the manufacture of fractional and sub-fractional horsepower motors.

Standardization Activities The Technical and Standards Committee works with Underwriters Laboratories, Canadian Standards Association, government agencies and other associations in developing standards. Topical areas include tachometers, general motor terminology, permanent magnet motors, permanent split capacitor motors, universal motors, shaded pole motors, and technical reference information for brushes, contacts, and magnets. Promotes manufacturer/user interface.

Availability Distributed directly

Keywords electrical equipment; tachometers; industrial equipment; motors; magnets;

SNELL MEMORIAL FOUNDATION

Dr. C.O. Chichester, Director

P.O. Box 733
Wakefield, Rhode Island 02880
(401) 789-5410

Founded: 1957

Type of Organization Nonprofit research corporation
Standards developer

Certification Approves manufacturers products meeting its standards and other criteria for certification under contractual agreements, providing, among other matters, ongoing random sample testing of helmets taken from dealer shelves.

Secretariats ANSI Z90, Vehicular Head Protection

Scope	A nonprofit corporation whose primary purpose is to conduct research in brain trauma and head protective devices and to develop and utilize advanced techniques for related critical measurements. Establishes upper level standards for protective devices, maintains an ongoing research program in head injury and a program in education related to vehicular safety. Linked with European counterpart, Snell Memorial Foundation (UK).
Standardization Activities	Promulgated in 1959 the first standard for road user crash helmets in the United States. Its 1980 standard is generally recognized as carrying the most stringent safety performance requirements for road user protective headgear in the world today. Has also established standards of safety performance criteria for skier, bicyclist, and equestrian protective helmets. Standards are not minimum standards but, rather, represent the upper levels of protective criteria which the manufacturing art is capable of meeting, and as that capability increases, the level of the standard is raised. Through its certification program, the Foundation is able to keep in the forefront of improvements in the state of the manufacturing art, both as to methodology and materials, and to obtain data useful in its research program and its development of more sophisticated test procedures.
Availability	Distributed directly
Keywords	helmets; head protection; vehicular safety; brain trauma; skiers; bicyclists; motorcyclists; equestrians; safety; social welfare; sports;

SNOWMOBILE SAFETY AND CERTIFICATION COMMITTEE

R. W. Muth, Chairman

7535 Little River Turnpike, Suite 330
Arlandale, Virginia 22003
(703) 642-5850

Founded: 1974

Standards Staff: 1

Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since 1974 3 members participate in standards activities 24 active standards Standards processed by SAE Draft standards available for review
Standards Designations	SSCC/7, Safety Standards for Snowmobile Product Certification
Government Adoption	All or portions of the standard accepted by Connecticut, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, New Hampshire, Oregon, Pennsylvania, Rhode Island, Vermont, and Wisconsin.
Certification	Certification program administered since 1975. Each conforming machine bears a Certification Label which signifies that the United States Testing Company, has independently confirmed that the vehicle has been manufactured in compliance with SSCC safety standards. In the area of operator education, provincial and state safety training programs are certified by the SSCC as being in compliance with uniform standards. To date, the instructional programs of nine states and provinces have been certified.
Scope	A nonprofit membership association organized to promote, foster, and encourage by any and all lawful means safe, enjoyable

opportunities for snowmobiling through operator safety training and education programs; safe trail, use area and facility development; development of voluntary snowmobile machine safety standards and the independent certification thereof.

Standardization Activities

Has established a comprehensive machine standards program for snowmobile manufacture. Since February 1, 1975, all snowmobiles produced by participating manufacturers - currently about 98% of all snowmobiles produced for sale worldwide - conform to the minimum safety standards for snowmobile product manufacture in effect on the date of their manufacture. Incorporated in the standards are requirements for seats, controls, brake and fuel systems, shields and guards, electrical and lighting systems, reflectors, hand grips, and general hazard requirements.

Availability

Sold directly

Keywords

snowmobile; safety; acoustics; recreation;

SOCIETY FOR EXPERIMENTAL STRESS ANALYSIS

Kenneth A. Galione, Managing Director

14 Fairfield Drive
Brookfield Center, Connecticut 06805
(203) 775-6373

Founded: 1943

Type of Organization

Scientific Society
Standards Developer

Standards Development

Standards developer since 1980
Forty firms participate in standards activity
One active standard pending through ANSI

Standards Designations

Strain Gage Bridge Designation and Color Code of Terminal Connections for Portable Strain Indicators

Certification

No certification, qualification, or accredited programs in U.S. SESA is affiliated with the British Society for Strain Measurement which does certify and accredit.

Scope

Specialists in experimental mechanics in this country and overseas active in academic, government, and industrial research and development and include engineers, manufacturers, consultants, users and vendors of plant equipment, services, and systems. Maintains close contact with professional groups in Europe and Japan and in the United States through joint meetings and combined memberships.

Standardization Activities

Represents a broad range of activities in experimental mechanics. Various Technical Activity Committees serve professional interests in areas such as composite materials, fracture, modal analysis, structural testing, residual stresses, optical methods, strain gages, and transducers. Members active in nondestructive testing are currently part of the Modal Analysis Committee but are expected to form an independent unit.

Availability

Distributed directly

Keywords

structural stress; material stress; experimental mechanics; testing;

SOCIETY FOR INFORMATION DISPLAY

Bettye B. Burdett, Manager

654 North Sepulveda Boulevard
Los Angeles, California 90049
(213) 472-3550

Founded: 1962

Type of Organization Technical Society
Works through other organizations to develop standards

Representation IEEE, EIA, ANSI

Scope A private, nonprofit organization. Primary efforts are in the field of computer derived dynamic information displays.

Standardization Activities Maintains a Definitions and Standards Committee which is involved in international programs to the extent that the committees of the Institute of Electrical and Electronics Engineers, Electronic Industries Association, and American National Standards Institute are involved. No standards have been issued but several are in preparation as a result of joint activities with other organizations. These standards are concerned with light emitting diodes (IEEE), industrial cathode ray tubes (EIA), and fonts for alphanumeric dot characters (IEEE/ANSI).

Keywords computer technology; information processing;

SOCIETY FOR TECHNICAL COMMUNICATION

Bill Stolgitis, Executive Director

815 15th Street NW., Suite 506
Washington, D.C. 20005
(202) 737-0035

Founded: 1958

Type of Organization Technical Society
Standards Developer

Scope A nonprofit, educational membership organization whose purpose is to advance the theory and practice of technical communication in all media. It has chapters in the United States and Canada and members in foreign countries.

Activities include chapter programs, an annual international technical communication conference, publication of a journal, and standards and reference material used in technical documentation, manuals, reports, and writings.

Standardization Activities Maintains a Standards Council which is interested primarily in guidelines which bear directly upon the profession of technical communication, and data and procedural standards for science, engineering, and the arts that must be applied, interpreted, or referenced in technical communication. Cooperates with the American National Standards Institute, the Metric Association, and others concerned with publication of technical information.

Formerly Merger of Association of Technical Writers and Editors, and Society of Technical Writers (1957)

Keywords technical writing; technical information; communications; metric;

SOCIETY OF AUTOMOTIVE ENGINEERS

Andrew G. Salem, Manager Technical Division

400 Commonwealth Drive
Warrendale, Pennsylvania 15096
(412) 776-4841 Telex: 866-355

Founded: 1902

Type of Organization

Professional Society
Standards Developer

Standards Development

Standards developer since 1902
44,000 members participating in standards activities
1,200 ground vehicle documents published in SAE Handbook
1,200 aerospace documents published in looseleaf form
1,800 Aerospace Material Specifications published in looseleaf form and microfiche
Approximately 300 documents annually are processed through ANSI

Standards Designations

J-Reports, Ground Vehicle Industry Standard
AMS, Aerospace Material Specification
MAM, Metric Aerospace Material Specification
AS, Aerospace Standard
MA, Metric Aerospace Standard
ARP, Aerospace Recommended Practice
MAP, Metric Aerospace Recommended Practice
AIR, Aerospace Information Report
HIR, Hydrospace Information Report

Government Adoption

The Department of Defense has adopted 600 SAE documents. SAE standards are recognized in government publications as methods for measuring or testing for minimum technical requirements in areas where government regulatory control has been established.

Certification

SAE is exploring the possibility of establishing a Source Approval Program at the request of the Department of Defense. A Task Group will be organized to assist the DoD in the qualification of parts, materials, or producers in relationship to qualification procedures contained in SAE standards and specifications.

Secretariats

Sponsors several U.S. Technical Advisory Groups for ISO Technical Committees and Subcommittees.

Scope

A not-for-profit educational, scientific, and engineering society dedicated to advance the arts, sciences, standards, and engineering practices connected with the design, construction, and utilization of self-propelled mechanisms, prime movers, components thereof, and related equipment to preserve and improve the quality of life.

Prime objectives are to provide educational opportunities for engineers and to provide a medium through which they can advance the arts and science of engineering and promote public welfare. There are only individual memberships in SAE. Therefore, members perform their SAE functions as individuals, not as representatives of their employers. SAE interfaces with every agency of the government concerned with the design, manufacture, or regulation of vehicles. Because of the government's interest in regulatory activities relating to transportation equipment, and as a large volume purchaser of vehicles of all types, government agencies have historically drawn upon SAE and its Cooperative Engineering Program for information and assistance.

Develops and publishes technical literature and formulates engineering standards, specifications, and test procedures that

are used in the design and manufacture of ground and aerospace vehicles.

Standardization Activities

Engages in technical standardization work for the motor vehicles, aircraft, airline, space vehicles, farm tractor, earthmoving, and roadbuilding machinery, and other manufacturing industries using internal combustion engines. Standards are the product of 600 Technical Committees. The SAE Handbook includes more than 1,200 ground vehicle industry standards. Standards are revised as needed to keep them up to date with new engineering developments. Obsolete standards are discontinued. Standards in the SAE Handbook include safety performance test codes, material specifications, and dimensional requirements on such subjects as vehicle lighting, tires, brakes, ride and vibration, steels, non-metallic materials, screw threads, and involute splines. Although voluntary, SAE standards are widely used throughout industry and many Federal and State regulations reference them for minimum performance on safety items.

SAE Aerospace Standards, Recommended Practices, and Information Reports are design and/or parts standards applicable to missile, airframe, ground-support equipment, propulsion, propeller, accessory equipment, and airline industries. Aerospace Recommended Practices give dimensional, design and/or performance recommendations intended as guides for standard engineering practice. The Aerospace Information Reports contain useful engineering data and information.

SAE Aerospace Material Specifications cover materials, material tolerances, quality control procedures and processes. They list chemical composition, detailed technical requirements, and cross-reference similar specifications and materials for corrosion and heat resistant steels, wrought low-alloy steels, cast iron and low-alloy steels; aluminum, magnesium, copper, titanium and miscellaneous nonferrous alloys; nonmetallics, special property materials, and refractory and reactive materials.

Availability

Distributed through ANSI, IHS, IMI, Global, NSA, American Technical Publishers, and Navy Publications and Forms Center

Formerly

Society of Automobile Engineers (1905)

Keywords

vehicles; automobiles; trucks; buses; aircraft; aerospace; engines; tractors; farm equipment; construction equipment; ground support equipment; fuels; lubricants; metals; alloys; refractories; defense; materials; transportation;

SOCIETY OF DIE CASTING ENGINEERS

Robert Wheeler, Education Technical Director

2000 North Fifth Avenue
River Grove, Illinois 60171
(312) 452-0700

Founded: 1954

Type of Organization

Technical Society
Works through other organizations to develop standards

Scope

A nonprofit organization which serves the interests of its members and others working in the die casting and associated industries. The society has a Technical Council with subcommittees working in several fields including safety, machinery, alloys, process, dimensions, metrication, quality, die design, and coatings.

Standardization Activities The society collaborates with other organizations involved in cast metals to establish consensus standards in the above areas. It also provides guidance for research workers in cast metals, but does no research work itself.

Keywords die casting; cast metals; materials;

SOCIETY OF FIRE PROTECTION ENGINEERS

D. Peter Lund, Executive Director

60 Batterymarch Street
Boston, Massachusetts 02110
(617) 482-0686

Founded: 1950

Type of Organization Professional Society
Works through other organizations to develop standards

Representation 592 representatives serve on technical committees of the National Fire Protection Association

Scope Multinational professional society of fire protection engineers with more than 3,000 members.

Keywords fire safety;

SOCIETY OF MANUFACTURING ENGINEERS

William Hilty, Executive Vice President

One SME Drive
P.O. Box 930
Dearborn, Michigan 48121
(313) 271-1500

Telex: 810-221-1232 SME DRBN

Founded: 1932

Standards Staff: 1

Type of Organization Technical Society
Standards Developer

Standards Development 260 chapters participating in standards review implementation
Draft standards available for review

Standards Designations ANSI Bx

Secretariats B87, Decimalized Measure
B211.1, Surface Integrity

Scope Follows and assesses developments in manufacturing; publishes and distributes information. Provides a common ground and focal point from which manufacturing engineers and corporate managers can share ideas, information, and accomplishments.

Standardization Activities Standards activities are coordinated by Technical Divisions of SME. Works closely with the National Bureau of Standards, the American National Standards Institute, and the American Society for Testing and Materials in establishing standards in various fields.

Availability Sold directly and through ANSI

Formerly American Society of Tool and Manufacturing Engineers (1970)

Keywords computer integrated manufacturing; manufacturing; finishing; robotics; materials;

SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS

Alex E. Alden, Manager of Engineering

862 Scarsdale Avenue
Scarsdale, New York 10583
(914) 472-6606

Founded: 1916

Type of Organization	Technical Society Standards Developer
Standards Development	Standards developer since 1916 400 members participating in standards activities 75% processed through ANSI Draft standards available for review
Standards Designation	SMPTE/RP prefix; ANSI PH22.x; ANSI V98.x
Government Adoption	DoD adopts these standards regularly
Certification	No certification, qualification, or accreditation programs
Secretariats	PH 22 - Motion Pictures V98 - Video Recording ISO/TC 36 - Cinematography USNC/TAG/IEC/SC 60B - Video Recording
Scope	A nonprofit organization concerned with the engineering aspects of motion pictures, television, instrumentation, high-speed photography, and the allied arts and sciences. Develops technical standards for motion picture engineering and television.
Standardization Activities	Activities divided among nine parent technology committees consisting of 273 members or 180 individuals. Cooperates with national and international organizations such as AES, EIA, IEEE, International Radio Consultative Committee (CCIR), and major foreign national standards bodies.
Availability	Distributed directly or through ANSI
Formerly	Society of Motion-Picture Engineers,
Keywords	motion pictures; television; video recording; photography; communications;

SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS

Robert G. Mende, Secretary and Executive Director

One World Trade Center, Suite 1369
New York, New York 10048
(212) 432-0310 Telex: 126394 (AEGIS NYK)

Founded: 1893

Type of Organization	Professional Society Works through other organizations to develop standards
Representation	ASTM F-25
Scope	A technical, professional society of individual members serving the maritime and offshore industry and its suppliers. Activities include all aspects of research, design, production, maintenance

and operation of ships, submersibles, yachts, boats, offshore and ocean bottom structures, and other advanced marine vehicles. Provides a forum for exchange of technical information and administers a research program involving 1,000 individuals as voluntary members and permanent staff in cooperation with government and regulatory agencies, scientific and research laboratories, academic institutions, and the marine industry.

Standardization Activities

Although not a standards developing organization, one of its technical panels has the responsibility of initiating standards and specifications for the Shipbuilding Standards Committee F-25 of the American Society for Testing and Materials (ASTM). This is Panel SP-6 (Standards and Specifications) of the Ship Production Committee. In this way, SNAME interfaces directly with the F-25 standards development activity. F-25 draws upon the expertise in the SNAME Technical and Research Program by soliciting the need for certain shipbuilding standards and by using these same panels when conducting the necessary consensus review under the ASTM process. These standards are published periodically by ASTM.

Standards developed to date include various shipbuilding parts, such as cable brackets, hangars, pipe fittings and flanging, certain containers, angle irons, etc. Panel SP-6 is also embarking upon a program for the redrawing of selected Naval military specifications into commercial ASTM standards. SNAME members will be called upon to review much of this standards writing along with the standards committees of ASTM.

Certain panels of the Society are also called upon to comment on the Standards development for small boats undertaken by Underwriters Laboratories (UL).

Keywords

marine; shipbuilding; boats; transportation;

SOCIETY OF THE PLASTICS INDUSTRY

L. William Sessions, President

355 Lexington Avenue
New York, New York 10017
(212) 573-9400

Founded: 1937

Type of Organization

Trade Association
Standards Developer

Scope

A trade and technical society of 1200 companies in the plastics industry interested in quality standards, research, uniform accounting, traffic rates, wage rate surveys, tariffs, codes, public relations, informative labeling, safety, fire prevention, and food packaging. Membership consists of injection, compression, and transfer molders; laminators; extruders; fabricators; calenderers; printers; embossers; reinforced plastics processors; raw material suppliers; machinery and equipment manufacturers; tool, die and mold makers; research, development, and testing laboratories.

Standardization Activities

Cooperates and supports the preparation of standards for plastics products through organizations such as the American Society for Testing and Materials, the American National Standards Institute, and the National Sanitation Foundation. Financially supports ANSI which holds the secretariat to International Organization for Standardization, ISO/TC 61, Plastics, and participates in its activities.

Keywords

plastic; laminate; molding; machinery; materials;

SOLAR ENERGY INDUSTRIES ASSOCIATION

David Gorin, Executive Vice President

1156 15th Street NW.
Suite 520
Washington, D.C. 20005
(202) 293-2981

Founded: 1974

Type of Organization

Trade Association
Standards Developer

Standards Designations

SRCC prefix

Certification

The Solar Rating and Certification Corporation (SRCC) certifies several independent testing laboratories for solar collector and solar domestic hot water systems tests. SRCC randomly selects equipment for testing, interprets test data, and publishes a certified product rating directory.

Scope

Manufacturers and installers of solar energy systems and components, and distributors, contractors, and engineers whose purpose is to accelerate and foster commercialization of solar energy conversion for economic purposes. Compiles statistics and offers computerized services.

Standardization Activities

Solar industry certification standards for heating and cooling equipment are developed through an independent activity, the Solar Rating and Certification Corporation (SRCC). SEIA appoints half of the Directors for the SRCC Board. The remainder are appointed by a state coordinating committee. Members are also involved in international standards development activities.

Approximately 25 - 50 member companies are involved at different times in several standards organizations. The SEIA Standards Committee meets periodically to review activity of these standards-setting organizations. The principal organizations are IEEE for photovoltaics, ASHRAE for heating and cooling, and ASTM for calibration of instruments. A few SEIA members have also participated on International Energy Agency Standards Committees and on the International Electrotechnical Commission.

Availability

Directly from:

Solar Rating and Certification Corporation
Suite 800
1001 Connecticut Avenue NW.
Washington, D.C. 20036

Keywords

solar collectors; photovoltaics; heating; air conditioning; testing; energy;

SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL

W. J. Tangye, P. E., Executive Director

900 Montclair Road
Birmingham, Alabama 35213
(205) 591-1853

Founded: 1940

Standards Staff: 10

Type of Organization

Professional Society
Standards Developer

Standards Development	Standards developer since 1945 3500 members active in standards activities
Standards Designation	The Southern Standard Building, Plumbing, Mechanical, Gas, Fire Protection and Housing Codes
Government Adoption	These codes have been adopted by reference by some 1600 communities primarily in the Southwest, South, and Southeast.
Certification	Provides educational and certification programs for persons involved in the administration and enforcement of building codes.
Scope	Promulgates codes that will assure the minimum acceptable level of life safety in the building environment. These cover the entire scope of the construction industry as related to buildings and structures occupied by the public. Also provides technical and educational support to users of the codes.
Standardization Activities	Holds public hearings to update codes. Any interested party may submit proposed changes and participate in the public hearings, two of which are held each year. Subsequent to the second public hearing a letter ballot is sent to all governmental members for final approval of code changes.
Availability	Distributed directly
Formerly	Southern Standard Codes
Keywords	building code; mechanical code; gas code; fire code; safety; housing code; safety; construction; building;

SOUTHERN CYPRESS MANUFACTURERS ASSOCIATION

George E. Kelly, Secretary/Treasurer

805 Sterick Building
Memphis, Tennessee 38103
(901) 525-8221

Founded: 1905

Type of Organization	Trade Association Standards Developer
Certification	Only licensed inspectors of this association or competent inspectors or manufacturers authorized by the association to grademark cypress, are permitted to place the SCMA symbol on lumber.
Scope	Producers of Red Cypress lumber and manufacturers of other cypress products.
Standardization Activities	Formulates and adopts standard specifications for grades of tide-water red cypress which are in conformity with the American Lumber Standard, Voluntary Product Standard PS 20-70. Recognizing the need for uniform marking and authoritative supervision of the marking of standard grades of red cypress lumber, this association has adopted standard grademarks. The symbol "SCMA" is the property of the Southern Cypress Manufacturers' Association. Lumber bearing this symbol is officially grade-marked. The appearance of official marks on planing mill products such as flooring, ceiling, bevel siding, drop siding, etc., indicate an official grademark for the particular product of the planing mill.
Availability	Distributed directly
Keywords	wood products; grading rules; inspection; lumber;

SOUTHERN FOREST PRODUCTS ASSOCIATION

Karl W. Lindberg, Vice President, Marketing

P.O. Box 52468
New Orleans, Louisiana 70152
(504) 443-4464

Founded: 1914

Type of Organization	Trade Association Works through other organizations to develop standards
Scope	An association of 80 southern pine lumber producers located from Texas to Virginia conducting marketing research and public affairs programs and a bi-annual machinery exposition.
Standardization Activities	Standards developed through organizations like the Southern Pine Inspection Bureau, National Forest Products Association, American Wood Preservers Association, and the American Society for Testing and Materials are used extensively in SFPA marketing efforts. These include span tables, recommendations for end use applications, treating specifications, metric conversions, model building codes, and other similar activities dealing with lumber applications.
Formerly	Southern Pine Association
Keywords	lumber; wood products;

SOUTHERN HARDWOOD LUMBER MANUFACTURERS ASSOCIATION

George E. Kelly, Executive Vice President

805 Sterick Building
Memphis, Tennessee 38103
(901) 525-8221

Founded: 1935

Type of Organization	Trade Association Works through other organizations to develop standards
Scope	Manufacturers of southern hardwood lumber and hardwood products. Compiles statistics.
Standardization Activities	Southern hardwoods are graded under the rules of the National Hardwood Lumber Association. Cooperates with the National Hardwood Lumber Association in grade standardization of hardwood lumber; also with Government agencies and all lumber associations in the development of American Lumber Standards fostered by the Department of Commerce.
Formerly	Southern Hardwood Producers Inc.
Keywords	lumber; wood products;

SOUTHERN PINE INSPECTION BUREAU

R. G. Kimbell, Jr., President

4709 Scenic Highway
Pensacola, Florida 32504
(904) 434-2611

Founded: 1940

Standards Staff. 4

Type of Organization

Service Bureau
Standards Developer
Also works through other organizations to develop standards

Standards Development

Standards developer since 1940
350 subscribers representing 70% of Southern Pine production
Three active standards

Standards Designation

SPIB prefix

Government Adoption

The Department of Defense, the Veterans Administration, Federal Housing Administration, and various state and local regulatory agencies have adopted and recognized the Southern Pine Inspection Bureau Grading Rules.

Certification

Maintains a certification program in which it licenses subscribers to use its registered grade-mark when subscribers meet the necessary qualifications. The Bureau maintains a similar program for companies that treat lumber by a pressure process for protection against insect and decay attack with approved chemicals in accordance with the standards of the American Wood Preservers Association.

Scope

An autonomous nonprofit agency and the recognized organization in the Southern Pine industry for the formulation and maintenance of grading standards. Has carried on a standardization program since 1940 developing grading rules for Southern Pine lumber in conformance with the American Lumber Standards Voluntary Products Standard PS 20-70 published by the National Bureau of Standards.

Certified as a supervisory grading agency by the board of review of the American Lumber Standards Committee. Also certified as a quality control agency by the American Wood Preservers Bureau for lumber treated by the pressure process.

Standardization Activities

Actively participates in the formulation and maintenance of the American Lumber Standards for Softwood Lumber. Maintains representation on the Committee on Wood of the American Society for Testing and Materials.

Maintains standards of size and grade classifications for the benefit of the lumber using public and the lumber manufacturing industry. These include export grade rules and standards for glued lumber and machine stress rated lumber. Provides inspection facilities. These inspection facilities are used not only as a means of adjudicating disputes between buyers and sellers but also for the certification of Southern Pine lumber before shipment from the mill. Grading and manufacture are under the supervision of Bureau Quality Supervisors. Those mills which prove their proficiency in grading and agree to maintain the established standards of size and grade moisture content are licensed to grade-mark their lumber with a Bureau mark.

The quality of treatment of lumber treated by the pressure process is also under the supervision of Bureau Quality Supervisors and those treating plants which prove their proficiency

and capability of maintaining the required level of treatment are licensed to quality mark their lumber with a Bureau mark indicating the quality and symbolizing such supervision.

Availability Sold directly

Keywords wood products; grading rules; lumber; wood preservation; inspection;

SOUTHWEST RESEARCH INSTITUTE

Mahlon E. Gates, Senior Vice President

Post Office Drawer 28510
San Antonio, Texas 78284
(512) 684-5111 Telex: 76-7357

Type of Organization Nonprofit Research Institute
Works through other organizations to develop standards

Representation ANSI, ASME, API, ASTM, IEEE, NFPA, SAE, National Marine Manufacturers Association

Scope Performs contract research and development for commercial, industrial and governmental agencies in a wide range of technologies. Some of this work specifically supports development of standards.

Standardization Activities Works with SAE and API under sponsorship of the Coordinating Research Council, Inc. in the development of rating standards used to subjectively rank the results of an engine oil test. These rating standards evaluate sludge, varnish, rust, and other visible phenomenon, such as ring sticking, scuffing, and wear. These standards are the only recognized subjective rating techniques used by industry in the evaluation of engine lubricants. In a similar capacity, develops standardized test procedures and performs certification testing to evaluate two-cycle engine lubricants for the National Marine Manufacturers Association. Worked with ASTM and automobile manufacturers in the development of the industry-recognized Sequence Tests for diesel and gasoline engine lubricants. Participated in development of standards for electromagnetic compatibility which resulted in SAE J1338 and J1113.

Keywords certification; lubrication; engines; testing; EMC; electrical equipment; materials;

SPECIAL LIBRARIES ASSOCIATION

David Bender, Executive Director

235 Park Avenue South
New York, New York 10003
(212) 477-9250

Founded: 1909 Standards Staff: 1

Type of Organization Professional Society
Works through other organizations to develop standards

Representation Represented on ANSI committees concerned with development of standards in the following areas: library/information science and publishing practices, photographic reproduction, and library equipment.

Scope An international organization of 11,500 librarians and information managers. Serves industry, business, government agencies,

research, educational, and technical institutions requiring or providing specialized information.

**Standardization
Activities**

Participates in the work of ANSI sectional committees including PH5, Photographic Reproduction of Documents; Z39, Library/Information Science and Related Publishing Practices; Z85, Library Equipment and Supplies. The SLA Standards Committee provides guidance in this area. Holds membership in the Council of National Library Associations and Institutions which serves as secretariat for ANSI Z39. Publishes "Objectives for Special Libraries" which sets forth standards for objectives, staff, collection, services, physical facilities, and budgets for special libraries.

Keywords

library equipment; library science; information processing; office products;

SPONGE AND CHAMOIS INSTITUTE

Jules Schwimmer, Executive Secretary

60 East 42nd Street
New York, New York 10165
(212) 867-2290

Founded: 1933

**Type of
Organization**

Trade Association
Standards Developer

Scope

Represents dealers and suppliers of natural sponges and genuine chamois. Seeks to increase public awareness of the distinctive properties and qualities of chamois.

**Standardization
Activities**

Works with the government and other organizations to develop standard characteristics for genuine chamois. Developed Chamois Standard CS 99-1970, which defines the general and performance characteristics of genuine chamois skin.

Availability

Distributed directly

Keywords

sponge; chamois; materials; consumer products;

SPORTING ARMS AND AMMUNITION MANUFACTURERS INSTITUTE

Harry L. Hampton, Executive Director

P.O. Box 218
Wallingford, Connecticut 06492
(203) 265-3232

Founded: 1926

Standards Staff: 1

**Type of
Organization**

Trade Association
Standards Developer

**Standards
Development**

Standards developer since 1926
41 representatives active in standards activity
Draft standards available for review

**Standards
Designation**

ANSI/SAAMI and SAAMI prefixes

**Government
Adoption**

Used by Department of Defense in relation to manufacturing, testing, and performance specifications of commercial ammunition purchased by the U.S. government.

Scope Serves the mutual interests of the U.S. sporting firearms and ammunition industry with emphasis on activities to assure safe use of these products by sportsmen and others having a lawful need for them.

Standardization Activities Maintains a Technical Committee which reviews industry test methods, procedures, and recommended manufacturing safety practices; two subcommittees work in the areas of ammunition and firearms. Establishes definitive proof loads recommended for factory testing of U.S. made sporting firearms, thus assuring greater safety to the users of such arms. Maintains liaison with the Department of Defense in relation to manufacturing, testing, and performance specifications of commercial ammunition purchased by the Government.

Standards and practices, procedures and recommendations set forth in the SAAMI Technical Committee Manual are recognized throughout America and Canada.

Availability Sold directly and through ANSI

Formerly The Society of American Manufacturers of Small Arms and Ammunition (1918-1926)

Keywords ammunition; firearms; defense; safety; sports;

SPORTS CAR CLUB OF AMERICA

Nicholas Craw, President

6750 South Emporia Street
Englewood, Colorado 80112
(303) 790-1044

Founded: 1944

Type of Organization Recreational/Technical Society
Standards Developer

Scope A nonprofit organization with 23,000 members. Sanctions national and regional races and three major professional racing series listed on the International Calendar. Sanctions rallies (precision driving tests over a given route at an exact speed), gymkhanas (intricate driving maneuvers in a cleared area), concours d'elegance (rating cars by a correlation of age, condition, and equipment of the vehicle), and numerous international events and world championship races.

Standardization Activities Develops safety standards for competitions, and standards and procedures for speed events for automobiles which may take part in events, for issuance of competition licenses, and for the organization and conduct of its events. These standards and procedures are published in Production Car Specifications; General Competition Rules; and Rally and Solo Rules.

Participates in American National Standards Committee Z90, Vehicular Head Protection, concerned with safety requirements for head protection for automobile drivers engaged in high hazard activities or occupations, as well as crash helmets for motorcyclists, American National Standard Z90.1.

Availability Distributed directly

Keywords sports; automobile racing;

STANDARDS COMMITTEE FOR HI-LOK AND HI-TIGUE PRODUCTS

Michael M. Schuster, Chairman

2600 Skypark Drive
Torrance, California 90509
(213) 326-8110

Telex: 67-4406

Type of Organization Trade Association
Standards Developer

Certification Licensees are under surveillance and approval by the Committee.

Scope Actively engages in standardization activities for fasteners. Membership includes and is open to licensees of Hi-Shear Corporation, users of products, and government standardization representatives.

Standardization Activities Develops, publishes, and maintains hundreds of proprietary product standards, specifications, and process procedures for the proprietary Hi-Lok and Hi-Tigue fasteners. Holds three official meetings each year, one of which is an international meeting held in Europe. Solicits input from all members.

Availability Distributed directly

Keywords fasteners; manufacturing;

STANDARDS ENGINEERING SOCIETY

Raymond E. Monahan, Executive Director

6700 Penn Avenue South
Minneapolis, Minnesota 55423
(612) 861-4990

Founded: 1947

Standards Staff: 2

Type of Organization Professional Society
Works through other organizations to develop standards

Representation Approximately 50% of the members are active in standardization activities of standards developers ranging from international organizations to trade associations.

Certification Certification program exists in Standards Engineering; over 200 members currently certified.

Scope A professional technical society of 800 standards practitioners for companies and government agencies. Members are organized into 20 local sections throughout the United States and Canada. Objectives include providing a forum for the interchange of information in the field of standardization and promoting the knowledge and use of national and international standards.

Standardization Activities SES does not develop standards as a society but members represent their organizations on numerous national and international standards-making committees such as ASTM, SAE, ISA, CBEMA, and ASME.

Formerly Standards Engineers Society (1980)

Keywords standards profession; general; social welfare; standards users;

STEEL BAR MILLS ASSOCIATION

Oliver A. Dulle, Executive Vice President

1221 Locust, Suite 405
St. Louis, Missouri 63103
(314) 231-2011

Founded: 1911

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

ASTM

Scope

A voluntary trade association involved with the solution of operational problems in electric furnace steel-making and rolling of bar products to accepted standards.

Standardization Activities

Standards activities, primarily in the development of bar standards in billet, rail, and axle steel, are undertaken on a cooperative basis with the American Society for Testing and Materials and other standards groups.

The Technical Committee, the Permanent Rail Steel Committee, and the Product Quality Committee of the Plant Operations Division maintain ongoing work in standards. Cooperates with Canadian standards organizations and the National Bureau of Standards.

Does not issue standards but sponsors American Society for Testing and Materials Standards in A616, A617 Rail and Axle Steel, Concrete Reinforcing Bars, and a Standard Specification for Hot Rolled Steel Fence Posts. Additional counsel and committee activity with ASTM are also undertaken by the association.

Formerly

Rail Steel Bar Association (1968)

Keywords

steel; steel bars; materials;

STEEL DECK INSTITUTE

John A. Gundel, Managing Director

P.O. Box 3812
St. Louis, Missouri 63122
(314) 965-1741

Founded: 1936

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1939
Active in AISI, AISC and ASCE
None processed through ANSI

Representation

Technical personnel of member firms serve on standards committees and subcommittees of organizations such as AISI, AISC and ASCE.

Certification

Provides to its members, as well as non-members, a product certification service by independent engineers at appropriate charges.

Scope

Manufacturers of steel roofs and steel floor decks. Formulates technical recommendations for improvement of metal deck construction and develops standard design practices. Promotes proper building regulations. Conducts research on earthquake construction and fire and wind resistance. Compiles statistics.

Standardization Activities Periodically publishes the Steel Deck Institute Design Manual for Composite Decks, Form Decks, and Roof Decks. It contains: Specifications and Commentaries, the Code of Recommended Standard Practice, Roof Deck Construction, Suggested Architect's Specifications, SDI Standard Load Tables, Roof Deck Fire Resistance Ratings, and Cantilever Criteria. Also publishes the Steel Deck Institute Diaphragm Design Manual.

Formerly Metal Roof Deck Technical Institute

Keywords steel decks; roofs; building;

STEEL DOOR INSTITUTE

Allen P. Wherry, Managing Director

712 Lakewood Center North
14600 Detroit Avenue
Cleveland, Ohio 44107
(216) 226-7700

Telex: 98-5559

Founded: 1954

Standards Staff: 3

Type of Organization Trade Association
Standards Developer

Standards Development Standards developer since 1954
Eight member companies participating in standards activities
Seventeen active standards including three ANSI standards

Government Adoption SDI standards have been adopted by numerous government agencies.

Certification No certification, qualification, or accreditation programs

Scope A nonprofit trade association of U.S. companies engaged in the production for sale of swing type steel doors and frames. Promotes the use of steel doors and frames in the construction industry.

Standardization Activities Administered by its Technical Committee, standardization activities represent a large percentage of the Institute's total program. Maintains liaison with numerous federal agencies including General Services Administration, Corps of Engineers, Department of Defense, Department of Housing and Urban Development, Federal Housing Administration and the Veterans Administration. Works closely with various code groups and has been instrumental in establishing and promulgating a great number of standards helpful to the construction industry, including standardized specifications for steel doors and frames, standardized hardware locations and hardware preparation, building code improvements, and establishment of performance specifications.

Availability Distributed directly and through IMI

Keywords steel doors; frames; building;

STEEL FOUNDERS SOCIETY OF AMERICA

John M. Svoboda, Technical and Research Director

Cast Metals Federation Building
455 State Street
Des Plaines, Illinois 60016
(312) 299-9160

Founded: 1902

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1964
134 members participating in standards activities
14 specifications on foundry raw materials

Standards Designation

SFSA prefix

Certification

No certification, qualification, or accreditation programs

Secretariats

U.S. Subcommittee Advisory Group to ISO/TC 17/SC 11, Steel Castings

Scope

Manufacturers of steel castings. Compiles statistics and conducts research programs.

Standardization Activities

Develops own standards for foundry raw materials and works through other organizations to develop standards for the manufacture and use of carbon, low alloy and high alloy steel castings. Also participates in ASTM, ANSI, NACE, API, MSSVFI, ASME standards activities.

Availability

Distributed directly

Formerly

Alloy Casting Insititute (1970)

Keywords

steel; castings; high alloy; foundry; materials;

STEEL JOIST INSTITUTE

E. T. E. Sprague, Managing Director

1703 Parham Road, Suite 204
Richmond, Virginia 23229
(804) 288-3071

Founded: 1928

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1928

Certification

Established certification procedures are required for member companies.

Scope

A nonprofit organization of manufacturers engaged in the fabrication and distribution of open web steel joists. Objectives are to establish and standardize methods of design and construction for open web steel joists, to provide test and research data for public dissemination, to assist in the development of appropriate building code regulations and to publish information relative to the proper use of steel joists in the interests of safety and public welfare.

Standardization Activities Current standard specifications are recognized throughout the industry and include Load Tables for Open Web, Longspan, and Deep Longspan Steel Joists comprising H-Series, LH-Series and DLH-Series. In addition, the Institute has developed standard specifications and weight tables for Joist Girders, which are primary structural members.

Availability Sold directly

Keywords joist; steel joist; building;

STEEL PLATE FABRICATORS ASSOCIATION

Earl A. Bratton, Executive Director

2901 Finley Road, Suite 103
Downers Grove, Illinois 60515
(312) 629-2990

Founded: 1933

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Representatives of member companies are appointed to serve on standards committees of AWWA, ASME, ANSI, API, AWS, NFPA and others.

Scope A national trade association representing companies engaged in the fabrication and erection of all types of weldable metal plate into pressure and nonpressure tanks, processing and storage vessels, heat exchangers, penstocks, weldments, and other products for industries worldwide.

Standardization Activities Works with standards developing organizations to update accepted standards in order to keep current with continuing improvement in materials and techniques.

Keywords steel fabrication; steel plate; manufacturing; industrial equipment;

STEEL SERVICE CENTER INSTITUTE

Andrew G. Sharkey, President

1747 Pennsylvania Avenue NW.
Suite 1000
Washington, D.C. 20006
(202) 785-3642

Telex: 297632

Founded: 1909

Type of Organization Trade Association
Works through other organizations to develop standards

Representation Two safety specialists from member companies serve as voting delegates on ANSI B11 Committee.

Scope A voluntary trade association representing the interests of some 80 percent of the metal service center industry which serves the metal supply needs of some 300,000 manufacturers and fabricators through 1,000 outlets.

Standardization Activities Participates in the development of safety standards for power-driven machines used by the industry as developed through Committee B11.

Formerly American Iron, Steel, and Heavy Hardware Association (1909)
American Steel Warehouse Association (1934)
Steel Service Center Institute (1957)

Keywords metal; steel; distribution; materials;

STEEL SHIPPING CONTAINER INSTITUTE

Bernard M. Fliger, Director of Administration

2204 Morris Avenue
Union, New Jersey 07083
(201) 688-8750

Founded: 1944

Standards Staff: 1

Type of Organization Trade Association
Standards Developer

Standards Development Recommended Interim Standards are developed by SSCI for processing through ANSI-MH2 Committee on steel drums and pails. Standards are published by ANSI when containers are in common use. 17 active standards

Standards Designation ANSI MH2.x

Government Adoption By reference in Military and Federal Specifications, usually in conjunction with 49 CFR, Department of Transportation Specifications.

Certification Container certification is by manufacturers who test and mark (emboss) according to government regulations.

Secretariats ANSI Committee MH2, Metal Drums and Pails

Scope A national trade organization representing manufacturers of steel drums and pails. Maintains liaison activities with customer groups, reviews testing procedures and specifications with regulatory agencies. Is actively involved in environmental problems and has contact with legislative representatives of the Federal and state governments.

Standardization Activities Cooperates with the Bureau of Explosives and the Office of Hazardous Materials, Department of Transportation, and the U.S. Army Natick Laboratories to develop standards. Has also worked with the Uniform Freight Classification Committee, National Motor Freight Classification Committee, Manufacturing Chemists Association, Petroleum Packaging Committee, and National Paint and Coatings Association to develop 95 percent of the standards existing in the industry. As the industry representative, SSCI regularly participates in development of the United Nations program for the development of international packaging regulations as part of the U.S. Delegation. These standardization activities consist of approximately 10 percent of the total program with the Technical Project Chairmen Committee administering the activities.

Availability Distributed through ANSI

Keywords steel drums; pails; packaging; transportation;

STEEL STRUCTURES PAINTING COUNCIL

John D. Keane, Executive Director

4400 Fifth Avenue
Pittsburgh, Pennsylvania 15213
(412) 578-3327

Founded: 1950

Type of Organization

Technical Society
Standards Developer

Standards Development

Standards developer since 1950
78 active standards
No current standards processed through ANSI
Draft standards available for review

Standards Designation

SSPC prefix

Government Adoption

27 standards adopted by DoD

Certification

No certification, qualification, or accreditation programs

Scope

Determines and outlines the best methods developed for cleaning and painting steel; issues specifications covering practical and economical methods of surface preparation and painting of steel structures; and evaluates through long-range research programs involving field and laboratory work the various methods, coatings, and costs necessary to prevent or reduce corrosion on steel structures.

Standardization Activities

30 committees with 350 members participating in standards activities. Assimilates the newest technology into usable and effective specifications for the coatings industry. Develops standards through a comprehensive voluntary consensus process. Issues standards for surface preparation, paint application, painting systems, and paints. Surface preparation specifications describe hand and power tool cleaning, chemical cleaning, and all levels of blast cleaning. Develops visual standards for surface appearance after cleaning as an optional supplement to the surface preparation specifications. Paint application specifications include standards for shop, field, and maintenance painting; measurement of paint film thickness, guides for safety in paint application, and a guide for maintenance repainting. Also has visual standards for evaluating the degree of rusting on painted steel surfaces.

Availability

Distributed directly

Keywords

protective coatings; anti-corrosion; painting; paint; steel; materials;

STEEL TANK INSTITUTE

Brian Donovan, Executive Director

566 Dundee Road, Suite 705
Northbrook, Illinois 60062
(312) 498-1980

Founded: 1916

Type of Organization

Trade Association
Standards Developer

Standards Designations	STI prefix
Government Adoption	Although not formally adopted, many government agencies recognize or reference STI standards.
Certification	No certification, qualification, or accreditation programs, although manufacturers are "licensed" to fabricate in accordance with sti-P ₃ specifications. Strict quality assurance programs are administered by STI.
Scope	A trade association representing steel tank manufacturers and suppliers in the United States and Canada. Functions primarily on a national level, representing its member in a wide range of technical, code, and related areas.
Standardization Activities	Developed sti-P ₃ standards for exterior corrosion protection of underground steel storage tanks. A limited number of recommended practices also developed by the institute.
Availability	Distributed directly
Keywords	steel tanks; underground storage; corrosion protection; industrial equipment; construction;

STEEL WINDOW INSTITUTE

	M. T. McFarland, Director
	1230 Keith Building Cleveland, Ohio 44115 (216) 241-7333
	Founded: 1920
Type of Organization	Trade Association Standards Developer
Standards Designation	SWI Recommendations
Scope	A trade association composed of American steel window manufacturers. Through research and interchange of ideas among its members, develops and makes available to the building trade better products and services. Conducts surveys to determine usage data.
Standardization Activities	Issues Recommended Specifications for Steel Windows after performing simplification studies to identify preferred types and sizes. Circulates recommendations to members and interested parties.
Availability	Distributed directly
Formerly	Metal Window Institute
Keywords	windows; steel windows; building;

STUCCO MANUFACTURERS ASSOCIATION

Robert F. Welch, Executive Secretary

14006 Ventura Boulevard
Sherman Oaks, California 91403
(213) 789-8733

Founded: 1957

**Type of
Organization**

Trade Association
Standards Developer

Scope

Promotes the use of colored stucco finish coats in building construction. Increases industry's service to contractors, architects, and the public.

**Standardization
Activities**

Develops standards as needed. Publishes Exterior Colored Stucco Guide Specification. Although national in scope, standard variations are recognized because of geographic differences in climate, skilled manpower, and material availability.

Availability

Distributed directly

Keywords

stucco; masonry;

SUMP AND SEWAGE PUMP MANUFACTURERS ASSOCIATION

Durward Humes, Managing Director

221 North LaSalle Street
Chicago, Illinois 60601
(312) 346-1600

Founded: 1956

**Type of
Organization**

Trade Association
Standards Developer

Certification

Provides a certification and labeling program for all products which conform to specified standards

Scope

A national trade organization representing the manufacturers of domestic sump pumps, together with component and accessory suppliers. Activities include development and promulgation of quality standards, spelling out design and performance criteria for sump pumps used in homes; development and dissemination of statistical information designed to describe market size and activity; promotion of improved provisions in building codes on the use of sump pumps; and education efforts designed to encourage proper and safe installation, maintenance, and use of domestic sump pumps.

**Standardization
Activities ***

Developed the Domestic Sump Pump Standards which are national in scope and designed to supply the purchaser and user with accurate performance data and to assist in the determination of proper application and selection of this equipment. They provide a uniform method of testing and rating, and include a specification system covering basic materials or construction for all major components. They also detail minimum specifications for motors, nameplate data, service cords, and control switches.

Availability

Distributed directly

Formerly

Sump Pump Manufacturers Association (1981)

Keywords

pumps; buildings; industrial equipment;

TANNERS COUNCIL OF AMERICA

Donald Ellison, President

2501 M Street NW., Suite 350
Washington, D.C. 20037
(202) 785-9400

Founded: 1917

Type of Organization

Trade Association
Standards Developer

Scope

A trade association of the leather industry. Membership includes tanners and finishers of leather. Organized through the amalgamation of regional as well as national groups concerned with the processing, finishing, and marketing of hides, skins, and leather. Activities cover the full range of trade association functions including statistical compilation and standardization in various areas such as leather colors, raw material, and technical specifications.

Standardization Activities

Develops official standards for seasonal leather, foot-wear, and accessory colors prepared by the Color Bureau of the Tanners Council with the assistance of shoe manufacturers and retailers. Publishes a semiannual Official Leather Color Book. Master Standards are preserved by the council for reference and duplication.

Developed and publishes a standard method for commercial trim of domestic cattlehides known as Commercial Standard, CS 268-65, Hide Trim Pattern for Domestic Cattlehides.

The Research Laboratory of the Tanners Council has developed standards accepted in the hide and leather industries for degree of cure and weight differentials between fleshed, brined, and green hides. The council's Hide Bureau has defined the characteristics of various commercial hide selections and the applicable weight designations for such selections. The Council has also developed and maintains a standardized system for designation of leather weight or thickness.

Availability

Distributed directly

Formerly

Merger of National Association of Tanners; Morocco Manufacturers National Association; Patent and Enamelled Leather Manufacturers Association

Keywords

leather; tanning; hides; materials; clothing;

TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY

William L. Cullison, Executive Director

Technology Park/Atlanta
P.O. Box 105113
Atlanta, Georgia 30348
(404) 446-1400

Founded: 1915

Standards Staff: 2

Type of Organization

Technical Society
Standards Developer

Standards Development

Standards developer since 1915
268 Official, Provisional, and Historical Test Methods
Official Methods are submitted for consideration to ANSI
36 methods are active ANSI standards

Standards Designations	T -- Official, Provisional, and Historical Test Methods UM -- Useful Test Methods, which are published by TAPPI but have not been through the regulated review process.
Secretariats	ANSI Committee P3, Pulp, Paper, and Paperboard U.S. TAG for ISO/TC 6, Paper, Board, and Pulp
Scope	Purposes are to further the application of the sciences in the pulp and paper industry; to promote investigation, research, and interchange of ideas among its members in the field of pulp and paper manufacture and use; to promote education in the science and practice of pulp and paper manufacture; to arrange for the collection and dissemination of information; to provide technical facts, data, and testing procedures fundamental to pulp and paper manufacture and use; to promote the professional, social, and economic welfare of its members.
Standardization Activities	Publishes testing procedures which include Official, Provisional, Historical, and Useful Methods prepared by technical committees and approved by the various divisions of TAPPI in accordance with rules and regulations prescribed by the Test Methods Management Committee. Historical Methods are former Official or Provisional methods which have been reclassified because they are no longer in common use or have been superseded by advanced technology. Useful Methods are those found useful in the industry but not worthy of consideration as Official or Provisional Methods. Cooperates with the American Society for Testing and Materials, the Intersociety Color Council in developing color standards, and the American National Standards Institute in promoting American and International Standards.
Availability	Distributed directly and through IHS, IMI, and Globa.
Keywords	pulp; paper; forest products; wood products; corrugated container; packaging;

TEST BORING ASSOCIATION

Michael Cloney, Executive Director

P.O. Drawer F
Jamesburg, New Jersey 08831
(201) 521-4441

Founded: 1941

Type of Organization	Trade Association Standards Developer
Scope	Promotes and furthers the interest of contractors and others engaged in test boring and core drilling, and engages in activities which enhance the progress of the test boring and core drilling industry.
Standardization Activities	Developed and has available a Recommended Standard Boring Specification for Cased Borings.
Availability	Distributed directly
Formerly	Test Boring and Core Drilling Contractors Association Test Boring Contractors Association (1969)
Keywords	test boring; earth drilling; construction;

TEXTILE RENTAL SERVICES ASSOCIATION OF AMERICA

John J. Contney, Executive Director

1250 East Hallandale Beach Boulevard
P.O. Box 1283
Hallandale, Florida 33009
(305) 457-7555

Founded: 1913

Standards Staff: 3

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1978 in health care linen service and for linen, towels, and garments
2200 members participating in standards activities
28 active standards
None processed through ANSI
Draft standards available for review

Standards Designation

TRSA Standards for Hospital Service
TRSA Voluntary Purchasing Standards

Certification

No certification, qualification, or accreditation programs

Scope

A national trade association representing companies world-wide engaged in the rental and commercial laundering/linen field. TRSA member companies provide laundry and linen service to all areas of U.S. hospitals and all types of commercial establishments.

Standardization Activities

Directed toward fulfilling user defined requirements of the industry and its health care customers. Works closely with the American Hospital Association and the Joint Commission on Accreditation of Hospitals. TRSA Hospital Standards relate to processing, delivery, cleanliness, sanitation, and management standards of textile rental service. Technical input is solicited from throughout the hospital industry and its related trade associations and accrediting agencies.

TRSA Hospital Standards are used by hospital officials throughout the United States in applying requirements to commercial laundries, cooperative laundries, contract linen service, suppliers, as well as hospital in-house laundries.

Availability

Distributed through TRSA member companies worldwide and directly

Formerly

Linen Supply Association of America (1978)

Keywords

laundry; linen service; hospital; textiles; sanitation; public health;

THERMAL INSULATION MANUFACTURERS ASSOCIATION

Jack Barnhart, Executive Director

7 Kirby Plaza
Mt. Kisco, New York 10549
(914) 241-2284

Founded: 1942

Type of Organization

Trade Association
Works through other organizations to develop standards

Certification

No certification programs

Secretariats ISO/TC 163/WG1, Thermal Insulation Terminology

Scope A nonprofit trade association of manufacturers of industrial and commercial types of thermal insulation. Fosters energy conservation, develops application and performance standards, and disseminates information. Represents manufacturers of calcium silicate, fibrous glass, mineral wool, ceramic fiber, foamed glass, urethane, and other thermal insulations.

Standardization Activities Assisted ASTM in preparation of test methods and product standards relating to thermal insulating products. Sponsors research in thermal and mechanical testing, and fire testing. Membership in ASTM, ASHRAE, NFPA, NIBS, and ISO/TC 163

Formerly National Insulation Manufacturers Association

Keywords thermal insulation; building; materials;

THREAD INSTITUTE

O'Jay Niles, Executive Director

1101 Connecticut Avenue NW., Suite 300
Washington, D.C. 20036
(202) 862-0518

Founded: 1933

Type of Organization Trade Association
Standards Developer

Scope A national trade association for thread manufacturers, converters and jobbers.

Standardization Activities Maintains a Technical Committee which is responsible for the institute's standards and which has several ad hoc subcommittees for cotton, silk, nylon, polyester, and corespun threads.

Cooperates with the U.S. Army Natick Laboratories in development of Federal Specifications for thread: V-T-276, Cotton; V-T-280, Cotton Gimp, Buttonhole; V-T-291, Linen; V-T-295, Nylon; V-T-285, Polyester; V-T-301, Silk; MIL-T-43548, Thread Polyester, Cotton Covered; MIL-T-43624, Polyester, Spun; MIL-T-43636, Nylon, Non-Melting; MIL-T-83193, Nylon, Spun Staple, High Temperature.

Also maintains liaison with thread-oriented committees of the American Society for Testing and Materials through representatives of member firms. Participates in the Annual Conference on Weights and Measures.

Formerly Cotton Thread Institute (1945)

Keywords thread; textiles;

TILE COUNCIL OF AMERICA

Dr. J.V. Fitzgerald, Executive Director

P.O. Box 326
Princeton, New Jersey 08540
(609) 921-7050

Founded: 1946

Type of Organization Trade Association
Standards Developer

Standards Development 11 active standards
Processed through ANSI

Scope A trade association of ceramic tile manufacturers dedicated to expansion of the ceramic tile industry in the United States through advertising, promotion, and research on tile installation methods.

Standardization Activities Maintains contact with Government agencies and other national organizations to assist with development and interpretation of standards and specification for installation of ceramic tile.

Annually publishes the guide specification Handbook for Ceramic Tile Installation. This covers all accepted ceramic tile installation methods and references installation and material standards applicable to the methods.

Availability Distributed directly and through ANSI

Keywords tile; ceramic products; building;

TIN RESEARCH INSTITUTE

Daniel J. Maykuth, Manager

1353 Perry Street
Columbus, Ohio 43201
(614) 424-6200

Founded: 1949

Standards Staff: 3

Type of Organization Professional Society
Works through other organizations to develop standards

Scope Develops the use of tin and promotes the scientific and technical study of the metal, its alloys and compounds, and of industrial processes which use tin or may provide markets.

Standardization Activities Participates in the development of standards and specifications for tin ingots, tinplate, tin alloys, bearings, solders, pewter and tin, and tin alloy coatings. Membership is held in committees of the International Organization for Standardization (ISO), American Society for Testing and Materials, Institute of Printed Circuits, American Welding Society, American Pewter Guild, and coordination committees for Federal specifications.

Keywords tin; tinplate; solder; pewter; materials;

TIRE AND RIM ASSOCIATION

J. F. Pacuit, Executive Vice President and Secretary

3200 West Market Street
Akron, Ohio 44313
(216) 836-5553

Founded: 1903

Standards Staff: 3

Type of Organization Technical Standardizing Organization
Standards Developer

Standards Development Standards developer since 1917
None processed through ANSI
Draft standards not available for review

Standards Designations Tire and Rim Standard

Secretariats U.S. Technical Advisory Group for ISO/TC 31, Tires, Rims, and Valves.

Scope The technical standardizing body of the tire, rim, and related parts manufacturers of the U.S.

Standardization Activities Serves as the primary standards developing organization in areas such as tire loads, tire inflations, tire dimensions, recommended rims, dual spacings, rim dimensions, valve and valve hole dimensions for tire and rim equipment used on passenger cars, bicycles, motorcycles, motor scooters, trucks, buses, recreational vehicles, trailers, earthmovers, road graders, agricultural tractors and implements, industrial vehicles, mobile homes, and aircraft.

Availability Distributed directly

Keywords tires; rims; valves; transportation; consumer products;

TOY MANUFACTURERS OF AMERICA

Douglas Thomson, President
200 Fifth Avenue
New York, New York 10010
(212) 675-1141

Founded: 1916

Type of Organization Trade Association
Standards Developer

Standards Designations ANSI Z66.1, Minimizing Hazards to Children from Residual Surface Coating Materials; ANSI Z315.1, Safety Requirements for Tricycles; PS72-76, Voluntary Product Safety Standard for Toys.

Secretariats U.S. Technical Advisory Group for ISO/TC 181, Toy Safety

Scope The trade association for domestic producers and importers of toys, games, and holiday decorations with 230 members, which together account for about 90 percent of the toy industry's total sales. The Association is recognized by government, the trade, the media, and consumers alike as the authoritative voice of the U.S. toy industry.

Helps toy makers meet the many challenges of the toy manufacturing marketplace. Its programs assist member companies in safety and quality control, credit and collection, distribution management, import/export trade, legal advice, public relations, statistics, consumer information, media relations, and advertising guidelines.

Standardization Activities The Association actively participates, on both domestic and international levels, in the drafting of safety standards; cooperates closely with governmental, safety, health, and consumer organizations in the development and application of standards for the safe use of playthings.

The industry's Voluntary Safety Standard PS72-76 includes more than 100 separate testing and design specifications to assure that normal use and abuse of toys will not result in a hazard that could cause an injury.

Availability Distributed directly and through ANSI and ASTM

Keywords toys; consumer products; safety;

TRAFFIC AUDIT BUREAU

Kent Sammon, Managing Director

708 Third Avenue
New York, New York 10017
(212) 692-5930

Founded: 1933

**Type of
Organization**

Professional Society
Standards Developer

Scope

Consists of advertisers, advertising agencies, and operators of outdoor advertising plants. Furthers the joint interests of its membership and the general public.

**Standardization
Activities**

Establishes standard practices with respect to the circulation, evaluation, and visibility of outdoor advertising; supervises and directs practices in connection with the collection, recording, and authentication of traffic and other data related to outdoor advertising; and prepares and issues standardized factual statements of the circulation values of outdoor advertising plants.

Availability

Distributed directly

Keywords

advertising; communications;

TRAILER HITCH MANUFACTURERS ASSOCIATION

Lawrence F. Henneberger, Executive Secretary and Counsel

1050 Connecticut Avenue NW., Suite 500
Washington, D.C. 20036
(202) 857-6087

Founded: 1967

**Type of
Organization**

Trade Association
Works through other organizations to develop standards

Scope

Represents domestic manufacturers of trailer hitches and tow bars. Reports on and represents its membership concerning all matters of federal, state, and local interest with emphasis on safety regulation.

**Standardization
Activities**

Works closely with the Recreation Vehicle Industry Association and state motor vehicle organizations; supports state adoption of Vehicle Equipment Safety Commission Regulation V-5 for trailer hitches.

Keywords

trailer hitch; tow bar; recreation; transportation;

TRANSPORTATION DATA COORDINATING COMMITTEE

Edward A. Guilbert, President

1101 17th Street NW.
Suite 606
Washington, D.C. 20036-4775
(202) 293-5514

Founded: 1968

Standards Staff: 4

**Type of
Organization**

Trade Association
Standards Developer

Standards Development Has developed 121 electronic data interchange (EDI) standards for computer-to-computer intercompany business transactions.

Standards Designation EDI prefix

Secretariats ANSC X12, Business Data Interchange

Scope A public interest association, with membership open to those companies interested in modernizing and automating business systems through the use of computer and communications technology.

Standardization Activities A national center for the coordination of intercompany standards for the electronic transmission and receipt of over 120 different business transaction sets used in electronic data interchange (EDI). Develops EDI Standards which are used as the baseline standards for computer-to-computer data interchange in the rail, motor, ocean, grocery and warehouse industries, claims, filing, and other business applications. Maintains and updates all standards ranging from the grocery industry's purchase orders and invoices to the transportation industry's bills of lading, freight bills, and payment standards. Maintains liaison on the development of data standards with industry and government standards bodies, including the United Nations' Economic Commission for Europe.

Availability Sold directly

Keywords transportation; data processing; business;

TRUCK BODY AND EQUIPMENT ASSOCIATION

Berkeley C. Sweet, President

5530 Wisconsin Avenue
Chevy Chase, Maryland 20815
(301) 652-8004

Founded: 1947

Type of Organization Trade Association
Standards Developer

Standards Development 15 recommended practices
None processed through ANSI

Scope A nonprofit organization which represents 750 manufacturers, distributors, and suppliers of truck bodies, equipment, and related accessories worldwide. Advances the interests of the industry; represents the industry in legislative matters; and develops practices and methods designed to aid the industry. Publishes monthly newsletters in the field of finance, labor, labor safety standards, legislation, excise taxes, and motor vehicle safety.

Standardization Activities Because TBEA's membership is comprised of various segments of the industry, each with specific types of equipment, organizational makeup, or problem peculiar to their own products or distribution methods, a system of industry divisions was developed to cope with their individual needs. These divisions include two types; those inclusive of distribution trade areas, and those devoted to product types. These include the following divisions: Ambulance Manufacturers, Automotive Electrical Components, Beverage Body Manufacturers, Elevating Tailgate, Fire Apparatus Manufacturers, Hydraulic Hoist, Hydraulic Hoist and Dump Body, Rear Loading Refuse Body Manufacturers, Refrigerated Transport, School Bus Manufacturers Institute, Service Body Institute, Truck

Tank Manufacturer, Utility Body Dealers, and Van Body Division. Each division has an engineering committee responsible for research and development in standardization activities.

Publishes technical papers, such as Glossary of Terms - Hydraulic Hoist, Dump Bodies, Elevating Tailgates; Glossary of Terms - Truck Van Bodies and Components; Truck Van Body Facts; Hopper Capacity Rating for Rear Loading Refuse Bodies; Hydraulic Hoist and Dump Body Classification Chart; Hydraulic Conversion Hoist Classification Chart; Static Load Test Code for School Bus Body Structure; Standard Code for Testing and Rating Automotive Bus Hot Water Heating and Ventilating Equipment; and the School Bus Accident Reporting Form.

Various committees work with Federal and state governmental agencies and issue industry papers including: Excise Tax Guide; OSHA Guide for Applying Safety and Health Standards; Handbook for FMVSS Final and Intermediate Manufacturers; Responsibilities of Truck Chassis Dealers to the Motor Vehicle Safety Act; "Mini Guide" to Federal Motor Vehicle Safety Standards; Motor Vehicle Safety Standards Guide; Lighting Diagrams Published in Conformance with Motor Vehicle Safety Standard No. 108; A Layman's Guide to Basic Law Under the National Labor Relations Act; OSHA Standards for Motor Vehicles, and the Occupational Safety and Health Guide.

Availability	Distributed directly
Formerly	National Truck Body Manufacturers Association (1949) National Truck Body Manufacturers and Distributors Association (1952)
Keywords	trucks; buses; transportation;

TRUCK MIXER MANUFACTURERS BUREAU

Vincent P. Ahearn, Secretary

900 Spring Street
Silver Spring, Maryland 20910
(301) 587-1400

Founded: 1944

Type of Organization	Trade Association Standards Developer
Certification	Rating plates are affixed to all mixers meeting Bureau standards.
Scope	Represents manufacturers of concrete truck mixers.
Standardization Activities	Participates with government in the development and interpretation of specifications. Cooperates with the National Ready Mixed Concrete Association to develop standards. Standards cover truck mixers and agitators, whether truck or trailer mounted. Publishes Truck Mixer and Agitator Standards.
Availability	Distributed directly
Keywords	concrete; concrete mixers;

TRUCK TRAILER MANUFACTURERS ASSOCIATION

Donald W. Vierimaa, Director of Engineering

1020 Princess Street
Alexandria, Virginia 22314
(703) 549-3010

Founded: 1941

Type of Organization

Trade Association
Standards Developer

Standards Development

Developed 44 recommended practices and 37 technical bulletins since 1961
90 trailer manufacturing companies participate in development
None processed through ANSI
Draft recommended practices and technical bulletins available for review

Standards Designations

Recommended Practices and Technical Bulletins are by Number

Certification

No certification, qualification, or accreditation programs

Scope

An international trade association that represents the manufacturers of truck pulled trailers and intermodal containers, and manufacturers supplying components and parts to the trailer, tank, and container manufacturing industry.

Standardization Activities

Recommended practices are issued as suggested solutions to design, specification, and manufacture or tests of truck trailers and their components. Examples include trailer hitches and connections, air brake system tests, lighting devices, and weld finishes for tank vehicles.

Technical bulletins are issued to aid carriers or shippers in the operation of truck trailers or to improve the serviceability or use. Examples include brake performance test methods, tank venting, corrosion prevention, and electrical wiring.

Works with organizations such as ANSI, ISO, the American Trucking Association, the Association of American Railroads, the Society of Automotive Engineers, American Petroleum Institute, U.S. Department of Agriculture, U.S. Environmental Protection Agency, National Fire Protection Association, U.S. Department of Labor (OSHA), and others.

Availability

Distributed directly

Keywords

trailers; containers; tractor-trailers; transportation; cargo tanks;

TRUSS PLATE INSTITUTE

Karen L. Seldon, Administrative Assistant

100 West Church Street
Frederick, Maryland 21701
(301) 694-6100

Founded: 1961

Type of Organization

Trade Association
Standards Developer

Standards Development

25 members active in standards development

Standards Designations	TPI and PCI prefixes
Certification	Provides an in-plant inspection service for manufacturers of metal plate connected wood trusses in accordance with Uniform Building Code (UBC) Standards under its Quality Control Inspection Program. TPI is recognized as an approved quality control agency for the inspection of metal plate connected wood trusses.
Scope	A nonprofit organization of manufacturers engaged in the production and distribution of metal connector plates for the trussed rafter industry; maintains the industry on a sound engineering basis by establishing methods of design and construction for wood trussed rafters using metal connector plates; provides test and research data for public dissemination; assists in the development of proper building code regulations; and disseminates information relative to the proper use of wood trussed rafters in the interest of safety and public welfare.
Standardization Activities	Develops design standards for metal plate connected wood trusses and parallel chord wood trusses. Publishes bracing recommendations, a quality control manual, a code of standard practice for the metal plate connected wood truss industry, and a commentary on handling and erection of wood trusses. Promotes product acceptance with code authorities. Also publishes design criteria and span tables.
Availability	Distributed directly
Keywords	wood trusses; wood rafters; wood products; building;

TUBE COUNCIL OF NORTH AMERICA

	Ted Klein, Executive Secretary 118 East 61st Street New York, New York 10021 (212) 935-1290 Founded: 1957
Type of Organization	Trade Association Standards Developer
Standards Development	Published six standards
Scope	Manufacturers of collapsible metal tubes (e.g., toothpaste tubes), united to further the use of their products.
Standardization Activities	Publishes standards for nomenclature; standard neck and orifice sizes, American Standard thread form; modified buttress thread form; thermoset cap sizes; thermoplastic cap sizes; standard length, wall, and shoulder sizes.
Availability	Distributed directly
Formerly	The Metal Tube Packaging Council of North America
Keywords	tubes; packaging; consumer products;

TUBULAR EXCHANGER MANUFACTURERS ASSOCIATION

Richard C. Byrne, Executive Director

25 North Broadway
Tarrytown, New York 10591
(914) 332-0040

Founded: 1939

**Type of
Organization**

Trade Association
Standards Developer

Scope

Manufacturers of shell and tube heat transfer equipment; establishes and maintains high-level design and manufacturing standards. Sponsors research programs and provides a forum for exchange of technical information.

**Standardization
Activities**

TEMA standards are prepared in 12 sections which clarify and expand material, thermal, and physical properties of fluids and other information related to various classes of exchangers. Publishes The Sample Problem Book which illustrates use of formulas in the basic standards.

Availability

Distributed directly

Keywords

heat transfer; industrial equipment;

TUBULAR RIVET AND MACHINE INSTITUTE

Richard C. Byrne, Administrator

25 North Broadway
Tarrytown, New York 10591
(914) 332-0040

**Type of
Organization**

Trade Association
Standards Developer

Scope

Represents U.S. companies engaged in the manufacture of rivets and rivet setting machines in technological areas.

**Standardization
Activities**

Works within the voluntary standards system to coordinate industry standards activities and acts as an industry voice. Ten members active in standards development. Distributes Metric Dimensional Standards for General Semi-Tubular Rivets. Is represented on industry standards and ANSI committees.

Availability

Distributed directly

Formerly

Tubular and Split Rivet Council

Keywords

rivets; fasteners; manufacturing;

ULTRASONIC INDUSTRY ASSOCIATION

Michael Cloney, Administrator

c/o Penn Michael Management
P.O. Drawer F
Jamesburg, New Jersey 08831
(201) 521-4441

Founded: 1956

**Type of
Organization**

Trade Association
Standards Developer

Scope	Manufacturers of ultrasonic equipment and component parts. Promotes the industry; cooperates with government on legislation; researches the use and safety of products.
Standardization Activities	Developed definitions covering basic industry terminology designed to promote a common language and facilitate understanding between manufacturers and users. Developed a standard rating covering ultrasonic generators. Cooperates with the American National Standards Institute, the Institute of Electrical and Electronics Engineers, National Safety Foundation, Acoustical Society of America, National Electrical Manufacturers Association, and American Society for Testing and Materials. Provides assistance to various Government agencies such as the Departments of the Navy and Air Force, and maintains standardizing liaison with other Government agencies, such as the Federal Communications Commission.
Availability	Distributed directly
Formerly	Ultrasonic Manufacturers Association (1973)
Keywords	ultrasonic equipment; industrial equipment;

UNDERWRITERS LABORATORIES

Albino N. Angonese, Managing Engineer, Standards Department

333 Pfingsten Road
Northbrook, Illinois 60062
(312) 272-8800
Washington, D.C.
(202) 638-2323

Telex: 72-4336

Founded: 1894

Standards Staff: 50

Type of Organization	Independent, Not-for-Profit Corporation Testing for Public Safety Developer of Standards for Safety
Standards Development	Standards developer since 1903 465 published and 92 proposed Standards for Safety 301 ANSI approved, 74 being processed through ANSI procedures Activities open to participation by interested persons
Standards Designation	UL Standards for Safety
Government Adoption	The Department of Defense has adopted 23 Underwriters Laboratories Inc. (UL) Standards for Safety (February, 1983.) In addition, other government agencies, including the General Services Administration and the United States Coast Guard, either require compliance with UL Standards for Safety or accept UL certification as constituting compliance with applicable regulations.
Representation	UL personnel contribute to standards and code-making activities by serving as members of 500 committees of national and international organizations including ANSI, NFPA, ASTM, IEC, ISO, and others.
Certification	UL offers four services by which products may be identified as complying with the requirements of UL or other organizations or regulating agencies, or as otherwise having been investigated by UL in accordance with specified methods or procedures. These services, their applicability, and the method of identification are:

1. Listing - Products that have been investigated with respect to reasonably foreseeable risks to life and property and for which the risks have been reduced to an acceptable degree. Products are identified by the UL Listing Mark.

2. Classification - Products that have been investigated with respect to one or more of the following: (a) specific risks only, (b) performance under specified conditions, (c) regulatory codes, or (d) standards of organizations other than UL, including international standards. This service is generally applicable to industrial and commercial products. Products are identified by the UL Classification Marking.

3. Recognition - Products that have only been investigated for use as components of equipment Listed or Classified by UL. Products are identified by the manufacturer's identification and a model number or the equivalent. Products may also be identified by the UL Recognized Component Mark.

4. Certificate - Products that comprise a field installed system investigated at a specific location, or specific quantities of certain products, under such conditions that it is impractical to apply the Listing Mark or Classification Marking to each product. Products or systems are identified by a Certificate issued by the manufacturer or installer under UL's authorization.

As an integral part of each of these four services, UL maintains a Follow-Up Service under which UL conducts factory inspections and counterchecks of manufacturers' inspection and test procedures for determining continued compliance with the requirements under which the product or system was initially investigated.

In cooperation with EIA, UL serves as the National Supervising Inspectorate (NSI) of the IEC Quality Assessment System for Electronic Components (IECQ-System) for the U.S. The IECQ-System is designed to encourage international trade in electronic components. It is intended that components certified by an approved manufacturer in one participating country be acceptable to users in other participating countries without further testing. The NSI is the national organization responsible for the surveillance of all quality assessment necessary for the system, including these responsibilities: approval of manufacturers, independent distributors, and independent laboratories; supervision of the Certificate of Conformity; and audit testing of approved components.

Secretariats

ANSI C101, Leakage Current for Electrical Appliances
IEC/SC 31A, Flameproof Enclosures
IEC/SC 31H, Apparatus for Use in the Presence of Ignitable Dust
IEC/TC 61, Safety of Household and Similar Electrical Appliances
IEC/SC 61D, Appliances for Air Conditioning for Household and Similar Purposes
IEC/TC 61/WG9, Temperature Limits for Supplementary and Reinforced Insulation Under Abnormal Operation Conditions
IEC/TC 74, Safety of Data Processing Equipment and Office Machines

Scope

Objectives are to conduct scientific investigations, studies, experiments, and tests to determine the relation of various materials, devices, constructions, and methods to life, fire, and casualty hazards; to ascertain, define, and publish standards, classifications, and specifications for materials, devices, constructions, and methods affecting such hazards; and provide other information tending to reduce or prevent bodily injury, loss of life, and property damage from fire, crime, and casualty.

Standardization Activities

The primary business of UL is product safety certification and UL's Standards for Safety play an important part in this process

of investigation, identification, and audit. Each of UL's engineering departments has prepared standards for use in this work. A catalog listing all available UL Standards for Safety is published twice yearly. Members of UL's five Engineering Councils assist and advise UL engineers in an effort to provide safety requirements that reflect realistic considerations of field experience and practical judgments, as well as sound engineering technology. UL Engineering Councils currently serve in the areas of Burglary Protection, Casualty, Electrical, Fire, and Marine.

The Consumer Advisory Council members advise UL in establishing levels of safety for consumer products. They also provide additional user field experience and information in the area of product safety and assist in educating the general public in the limitations and safer use of specific consumer products.

UL Standards for Safety are developed under procedures that provide for participation, review, and comment from industry, government, insurance groups, consumers, other interested parties, and the general public. These procedures take into consideration the needs and opinions of a wide variety of interests concerned with the subject of the standard and afford due process to all those who will be affected by the standard.

UL's Technical Assistance to Exporters (TATE) program offers help to exporters in getting information about international and foreign national standards and information about foreign laboratories and certification programs. UL will investigate a product in accordance with a published foreign national standard or an international standard. UL-generated data may then be submitted to a foreign test station for consideration as a part of their investigation.

Availability

Distributed directly and through ANSI and Global. Available in microform through IHS, IMI, and NSA. Available in England through the British Standards Institution (BSI). Certain Standards available in French through AFNOR and in Japanese through Japanese Industrial Standards (JIS).

Formerly

Underwriters Electrical Bureau (1901)

Keywords

safety; certification; testing; burglary; casualty; marine; electrical equipment; fire protection; recreation; general; industrial equipment; consumer products; air handling;

UNITED LIGHTNING PROTECTION ASSOCIATION

Robert M. Baker, Executive Director

34 May Street
Webster, New York 14580
(716) 872-4008

Founded: 1935

**Type of
Organization**

Trade Association
Works through other organizations to develop standards

Representation

100 members active in lightning protection activities of standards developers such as UL and NFPA.

Scope

Provides reliable educational materials on the hazards of lightning and what constitutes proper lightning protection. Members must conform to the highest standards of lightning protection systems, engineering, installation, and service to maintain membership.

Standardization Activities Members serve on numerous committees and in other key roles in helping to establish various standards and codes, such as the Lightning Protection Code of the National Fire Protection Association and the Lightning Protection Installation Requirements Code of Underwriters Laboratories. Consulted frequently by building supply manufacturers, insurance firms, safety groups, and power companies to advise on potential hazards and proper lightning protection.

Keywords lightning protection; building; safety;

UNITED STATES COUNCIL FOR INTERNATIONAL BUSINESS

David L. Grove, President

1212 Avenue of the Americas
New York, New York 10036
(212) 354-4480

Telex: US COUNCIL 14-8361 NYK

Founded: 1945

Type of Organization Trade Association
Work through other organizations to develop standards

Representation U.S. National Committee of the International Chamber of Commerce (ICC)
U.S. Committee of the International Organization of Employers (IOE)

Secretariats U.S. Secretariat for the Business and Industry Advisory Committee (USA-BIAC) to the Organization for Economic Cooperation and Development (OECD).

Scope A trade association of 250 U.S. based multinational corporations. Represents its members by keeping them informed of international business developments having a major impact on their operations.

Standardization Activities Works with ICC to harmonize trade practices and terminology resulting in Universal Standards and the Uniform Customs and Practice for Documentary Credits. Serves as the business voice in the International Labor Organization which is active in establishing international labor standards in the form of conventions, which are binding on states which ratify them, and nonbinding recommendations. Works with OECD to provide models for national legislation, such as tax provisions, and voluntary standards of behavior for multinationals.

Keywords labor standards; social welfare; business;

UNITED STATES GOLF ASSOCIATION

P. J. Boatwright, Jr., Executive Director

Golf House
Far Hills, New Jersey 07931
(201) 234-2300

Founded: 1894

Type of Organization Trade Association
Standards Developer

Scope Membership consists of regularly organized golf clubs and golf courses. Serves as a governing body for golf in the United States. Promotes scientific work in green keeping and turf management. Provides data on rules, tournament procedure, and other related topics.

Standardization Activities Developed standards for golf balls and golf clubs. In Rules of Golf, specifications concerning style and make of clubs, and size, weight, and velocity of golf balls are included. These specifications are applicable to equipment and balls used in connection with tournaments conducted by the association or under its rules.

Availability Distributed directly

Keywords golf; golf equipment; sports;

UNITED STATES HIDE, SKIN AND LEATHER ASSOCIATION

Jerome J. Breiter, President

1707 N Street NW.
Washington, D.C. 20036
(202) 833-2405

Founded: 1980

Type of Organization Trade Association
Standards Developer

Scope A national trade association representing the hide and skin trade. Members include meat packers, hide processors, brokers and dealers, and exporters. Organized to promote and improve relations and conditions in the hide industry. Maintains liaison with allied trades as well as the government.

Standardization Activities Primarily concerned with developing a descriptive package to protect buyers and sellers of hides and skins. Standards describe the product and deal with delivery, trim, grading, weight loss in shipment, and tolerances with an emphasis on exporting.

Availability Distributed directly

Formerly National Hide Association
American Association of Hides, Skins and Leather Traders

Keywords animal hide; leather; materials;

U.S. METRIC ASSOCIATION

Valerie Antoine, President

10245 Andasol Avenue
Northridge, California 91325
(213) 368-7443

Founded: 1916

Type of Organization Professional Society
Works through other organizations to develop standards

Representation 1,000 members participate in standards activities of the major standards developers.

Certification USMA has a Certified Metrication Specialist (CMS) program that is administered by the USMA CMS Board. The CMS award is made after applicant passes a stringent examination.

Scope A nonprofit organization representing 3,500 members from many industries. Provides metrication information to companies; provides consumer and educational services.

Standardization Activities Involved primarily in promulgating correct SI metric usage in cooperation with ANSI, ASTM, ASME, ANMC, NAS, and other societies in order to draft metric standards and help determine correct usage of metric units.

Keywords metrics; metric conversion; education; general;

UNITED STATES PHARMACOPEIAL CONVENTION

William M. Heller, Executive Director

12601 Twinbrook Parkway
Rockville, Maryland 20852
(301) 881-0666

Founded: 1820

Standards Staff: About three dozen scientists totally involved, not counting administrative support.

Type of Organization Scientific Society
Standards Developer

Standards Development Standards developer since 1820
385 members active in standards development
1,022 USP Reference Standards
2,912 Articles available
1,000 under development
None processed through ANSI
Draft standards available for review

Standards Designations USP, United States Pharmacopeia
NF, National Formulary

Government Adoption The Food, Drug and Cosmetic Act makes USP and NF standards enforceable by the Food and Drug Administration. Comparable acts exist in most states. Canada and other countries recognize USP-NF in their laws and/or regulations.

Certification USP is not a certifying agency. FDA is required by law to certify insulin against USP standards before manufacturers release it.

Scope Recognized authorities in medicine, pharmacy, and allied sciences. Revises and publishes the U.S. Pharmacopeia (USP) and the National Formulary (NF), the legal compendia of drug standards.

Standardization Activities Defines articles (i.e., drug substances, drug dosage forms, inactive ingredients, medical devices, and diagnostic agents); states standards for strength, quality and purity; provides test methods to determine if articles meet standards; establishes packaging and labeling requirements. The Committee of Revision with the aid of Advisory Panels coordinates these activities. Cooperates with the World Health Organization, the British Pharmacopoeia, and the European Pharmacopoeia. Also with the Foods Chemicals Codex, National Committee on Clinical Laboratory Standards, American Chemical Society, and ASTM. Publishes, bimonthly, the Pharmacopeial Forum, which is the drug standards development journal.

Availability USP XX- NF XV and their supplements are available from Mark Publishing Company. Subscriptions to Pharmacopeial Forum are available directly.

Formerly From 1888 to 1975 the National Formulary was maintained by the American Pharmaceutical Association

Keywords drugs; medical devices; diagnostic agents; pharmaceuticals; pharmacopeias; chemicals; medicines; medical;

UNITED STATES TELEPHONE ASSOCIATION

Paul K. Hart, Executive Director, Technical Disciplines

1801 K Street NW.
Suite 1201
Washington, D.C. 20006
(202) 872-1200

Founded: 1897

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Members participate on their own behalf in committees of the IEEE, EIA, and ANSI. In some cases the Association is represented directly.
Secretariats	Protection Engineers Group (PEG)
Scope	USTA is the association of the United States wireline telephone companies. Until 1983, membership of the Bell Companies was not permitted by the Association's by-laws and the fact that the Bell operating companies were part of AT&T. With divestiture the Association has dropped the word "independent" from its name and the seven regional telephone companies created after divestiture have joined the Association.
Standardization Activities	While not currently a standards developer the Association reserves the right to sponsor standardization activities which it may deem necessary. With formation of the Exchange Carriers Standards Association, USTA will likely support those efforts. The PEG secretariat will not be affected. The association and its members participate at the working group level of various standards developing organizations and provide the secretariat for the Protection Engineers Group which is a standards developer.
Formerly	United States Independent Telephone Association
Keywords	telephone; network; communications; transmission;

U.S. TENNIS COURT AND TRACK BUILDERS ASSOCIATION

David L. Stumph, Executive Director

1800 Pickwick Avenue
Glenview, Illinois 60025
(312) 724-7700

Founded: 1965

Type of Organization	Trade Association Standards Developer
Certification	The association has developed a voluntary Builder Certification Program. To become a certified builder, a member must pass a written examination that demonstrates a high level of knowledge of tennis court construction.
Scope	Represents tennis court and track builders in the United States and Canada. Members include builders of tennis courts, game courts, and running tracks; manufacturers of court and track surface materials, fencing, lighting systems, and court accessories; and professionals involved in the tennis and track industries.

**Standardization
Activities**

Developed Tennis Court and Running Track Guide Specifications. Maintains technical committees to draft and update specifications. Also publishes a maintenance and Repair Specification Guide for tennis courts and Lighting and Fencing Specifications.

The latest publications program includes a series of technical data bulletins on tennis court dimensions (with metric equivalents), windscreens, and site investigation for tennis courts and tracks. The series also includes site preparation, earthwork drainage, base/court construction, guidelines for reconditioning fast-dry tennis courts, tennis court orientation, and soil sterilization; also covers color finish systems for tennis courts and resurfacing of asphalt courts. A track data series has also been initiated. The first bulletin covers the conversion of 440 yard tracks to 400 meters. Publishes a 400 meter even track markings layout in cooperation with the National Federation of State High Schools Association.

Participates in liaison committees with the U.S. Tennis Association, National Tennis Association, National Sporting Goods Association, Illuminating Engineers Society, National Federation of State High Schools Association, and the U.S. Track & Field Federation.

Keywords

tennis courts; game courts; running tracks; sports;

UNITED STATES TESTING COMPANY

Allen F. Maxfield, Vice President

1415 Park Avenue
Hoboken, New Jersey 07030
(201) 792-2400

Founded: 1830

**Type of
Organization**

Independent Test Laboratory
Standards Developer

Certification

Conducts testing for certification and labeling to assure products meet specified standards.

Scope

An independent commercial laboratory engaged in product testing for quality assurance.

**Standardization
Activities**

Develops standard test procedures including instrumentation for consumer appliances, toys, home entertainment equipment, garden and lawn equipment, recreational goods, textiles, chemicals, cosmetics, drugs, paint, construction materials, plastics, paper, metals, and foods. Cooperates with ASTM and ANSI. Assists Government agencies, manufacturers, and trade associations by product testing to ascertain whether specifications and standards are met and to establish national standards.

Formerly

Also known as Nationwide Consumer Testing Institute, Inc.

Keywords

quality assurance; testing; consumer products; materials; food; textiles;

VACUUM CLEANER MANUFACTURERS ASSOCIATION

Joseph C. Frantz, Secretary

1615 Collamer Street
Cleveland, Ohio 44110
(216) 851-2400

Founded: 1913

Type of Organization	Trade Association Standards developer and works through other organizations to develop standards
Scope	Provides a central headquarters for voluntary reports on production and sales and information helpful to its members. Services include national affairs, education, traffic, foreign competition, and technical standards.
Standardization Activities	Maintains a Technical Standards Committee which develops standards of safety and performance for floor care appliances. Publishes a Guideline for a Consumer Floor Care Products Safety Standards. Cooperates with ASTM, Committee F11, Vacuum Cleaners. Provides representation on technical committees of the International Electrotechnical Commission in the formulation of international standards, and supplies a representative to work with the Canadian Standards Association.
Availability	Distributed directly
Keywords	vacuum cleaners; floor care; appliances; consumer products;

VALVE MANUFACTURERS ASSOCIATION

Malcolm E. O'Hagan, President

1050 17th Street NW., Suite 701
Washington, D.C. 20036
(202) 331-8105

Founded: 1938

Type of Organization	Trade Association Works through other organizations to develop standards
Representation	Members active in MSSVFI, API, AWWA, SME, ISA, NACE, ANSI, and ISO
Scope	Represents the flow control industry. Members comprise 80 percent of U.S. production of industrial valves and actuators used in oil and gas, power, chemical, construction, water, and process industries.
Standardization Activities	Although not a standards making body, VMA is a member of ANSI and a strong advocate of U.S. and international standards. Members of the industry are active in a variety of standards activities. VMA is represented on ASME B-16, ISO/TC 153, AWWA C504, and develops standards policy through its Technical Committee and Product Committees.
Keywords	valves; actuators; flow control; industrial equipment;

VARIABLE RESISTIVE COMPONENTS INSTITUTE

Raymond E. Pritchard, Executive Director

3451 Church Street
Evanston, Illinois 60203
(312) 677-2850

Telex: 25-4708 TELESERV DFLD

Founded: 1960

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1960
20 member companies participating in standards activities
4 active standards
Standards and specifications processed through ANSI
Draft standards available to VRCI representatives and applicable organizations

Standards Designation

VRCI and ANSI prefixes

Certification

No certification, qualification, or accreditation programs

Scope

An international trade association representing manufacturers and users of potentiometers and trimmers.

Standardization Activities

Has made significant contributions to the field of standardization and the improvement of quality of variable voltage or resistive devices used in consumer, industrial, and military type applications. Standards cover Wirewound and Non-Wirewound Precision Potentiometers, Trimming Potentiometers, Wirewound and Non-Wirewound Industrial Grade Panel Potentiometers, and Potentiometer Mounted Switches.

Availability

Distributed directly and through ANSI

Keywords

potentiometers; resistive devices; electronic components; trimmers;

WATER POLLUTION CONTROL FEDERATION

Robert A. Canham, Director

2626 Pennsylvania Avenue NW.
Washington, D.C. 20037
(202) 337-2500

Telex: 710-822-1171

Founded: 1928

Type of Organization

Technical Society
Works through other organizations to develop standards

Scope

Federation of 65 state, regional, and foreign technical societies. Advances fundamental and practical knowledge concerning the nature, collection, treatment, and disposal of domestic and industrial wastewaters and the design, construction, operation, and management of facilities for these purposes. Seeks to: disseminate technical knowledge and information through publications and conferences; promote good public relations and sound regulations aimed toward proper water pollution control; and improve the status of those working in this field.

Standardization Activities

In cooperation with the American Public Health Association and the American Water Works Association, produces Standard Methods for the Examination of Water and Wastewater. Develops and

publishes manuals of practice for: Safety in Wastewater Works, Regulation of Sewer Use, Units of Expression for Wastes and Waste Treatment, Sewer Maintenance, Sewage Treatment Plant Design, Design and Construction of Sanitary and Storm Sewers, Uniform Systems of Accounts for Wastewater Utilities, and Operation for Wastewater Plants.

Keywords environment; wastewater; pollution; sanitation; water pollution;

WATER QUALITY ASSOCIATION

Lucius Cole, Technical Director

4151 Naperville Road
Lisle, Illinois 60532
(312) 369-1600

Founded: 1948

Type of Organization Trade Association
Standards Developer

Standards Designations S-100
S-200

Certification Certifies water softeners and filters complying with Association standards. Sponsors voluntary certification programs for water treatment specialists and water treatment equipment installers.

Scope A trade association of water conditioning equipment manufacturers and suppliers to the water conditioning industry. Conducts a national public relations program, and serves as the industry's liaison with the public, private, and Government sectors. Fosters the further development of equipment, products, and services in the industry.

Standardization Activities Developed two equipment standards, S-100 for Household, Commercial and Portable Exchange Water Softeners, and S-200 for Household and Commercial Water Filters. A testing program for both standards is conducted by an independent testing laboratory, and certification is made through the association following laboratory validation. These standards have national application, and the voluntary testing program is open to manufacturers of water softeners and water filters. In addition to intra-industry promotion of the use of the equipment validation program, the association uses its public relations channels to inform consumers of the integrity of certified equipment. S-100 and S-200 have been developed through consultation with the National Bureau of Standards; U.S. Department of Commerce; Federal Housing Administration; and other Government agencies, as well as quasi-public and private organizations concerned with equipment standards. The association is currently developing standards for reverse osmosis and chemical feeding equipment.

Availability Distributed directly

Formerly Water Conditioning Foundation (1974)

Keywords consumer products; industrial equipment; water quality; water treatment;

WATER SYSTEMS COUNCIL

Durward Humes, Executive Director

221 North LaSalle Street
Chicago, Illinois 60601
(312) 346-1600

Founded: 1932

Type of Organization Technical Society
Standards Developer

Standards Development 6 active standards

Certification Equipment meeting Water Systems Council standards may bear the product description, "Tested and rated in accordance with Water Systems Council standards." Members may also affix their performance certified by manufacturer seal to products bearing their name or brand name, or incorporate the seal design in the description of any product to indicate the adherence to these testing and rating standards and procedures.

Scope Represents and serves leading manufacturers of domestic and farm water systems equipment.

Standardization Activities Develops Testing and Rating Standards which are established in the public interest, and are designed to supply the purchaser and user of automatic, electric water systems with accurate performance data and to assist in the determination of proper application and selection of this equipment. The standards cover shallow well water system pumps; deep well water system pumps; deep well submersible water system pumps; pump motor standards; submersible pump motor standards; and hydropneumatic tank volume standards.

Availability Distributed directly

Formerly National Association of Domestic and Farm Pump Manufacturers

Keywords pumps; motors; water systems; wells; building;

WEST COAST LUMBER INSPECTION BUREAU

Ray L. Todd, Executive Vice President

P.O. Box 23145
Portland, Oregon 97223
(503) 639-0651

Founded: 1911 Standards Staff: 2

Type of Organization Trade Association
Standards Developer

Standards Development Develops lumber grading rules
Drafts not available for review

Standards Designation West Coast Lumber - Standard Grading Rules, No. 16.

Certification Provides official grade stamps to mark lumber conforming to West Coast Grading Rules.

Scope An industry owned, nonprofit corporation that provides lumber quality control services at its approximate cost. Serves the

area west of the summit region of the Cascade Mountains in the States of Washington and Oregon and the entire State of California. Services available to any producer, user, distributor, or dealer handling West Coast lumber products. Maintains uniform standards of lumber grading and manufacture, promotes the use of grade stamped lumber as an assurance to the buyer, seller, and consumer that the interests of each are fully protected, and assists in the efficient use of West Coast lumber products.

Standardization Activities

One of the three major rules writing agencies in the United States in addition to the Western Wood Products Association and Southern Pine Inspection Bureau. Responsible for the principal part of all the quality control programs for softwood lumber production in the United States. Supervises or grades four and one-half to six billion feet of lumber per year, which is the bulk of all production west of the Cascades.

Bureau activities include the publication and distribution of West Coast Grading Rules, supervision of the grading manufacturing practices of subscriber plants, grade stamping of West Coast lumber with official Bureau stamps, certificate inspection of lumber shipments, reinspection of lumber in dispute at destination, and assistance to specification agencies, buyers and consumers of West Coast products. Participates in ASTM and Department of Commerce Voluntary Product Standard Programs.

Availability

Distributed directly

Formerly

West Coast Lumbermen's Association

Keywords

wood products; grading rules; inspection; lumber; building;

WESTERN ELECTRIC COMPANY

P. J. Steger, ANSI Committee 05 - Wood Products

50 Lawrence Road
Springfield, New Jersey 07081
(201) 467-7000

Founded: 1924

Type of Organization

Publicly Owned Corporation
Standards Developer

Standards Development

Sponsors Committee 05 which has 50 participating members
Two active standards, one new standard in process
All standards processed through ANSI and designated ANS
Draft standards available as announced in the ANSI Reporter

Standards Designations

ANSI 05.x

Government Adoption

The Rural Electrification Administration uses the 05 Standards

Secretariats

Western Electric Company will serve as secretariat of Committee 05 until it becomes established as an Accredited Committee under ANSI Procedures.

Scope

Standardization of dimensional classifications, defect descriptions and limitations, manufacturing practices, fiber stresses and quality assurance procedures for untreated wood poles and other wood products used in the construction of electric supply and communications lines. The committee does not deal with treated wood products.

Standardization Activities	Committee 05 was established to develop universal standards for untreated wood poles and other wood products. The Committee has actively involved itself in developing requirements for wood poles to provide safeguards so that uniform strength values will be maintained. The activities of 05 primarily benefit the power and telephone utilities but are also appropriate for users having other applications. Standards developed by 05 are concerned with most major species of softwood used commercially in the U.S. These standards provide specifications for solid wood and more recently laminated wood structures. Members of 05 represent most of the major associations interested in wood products, governmental organizations, and researchers from interested colleges and universities. The Committee also maintains liaison with the Canadian Standards Association through Canadian membership and participation on Committee 05.
Availability	Directly from ANSI
Keywords	wood poles; structures; energy; transmission; wood products; communication;

WESTERN WOOD PRODUCTS ASSOCIATION

Howard A. Roberts, Executive Vice President

1500 Yeon Building
Portland, Oregon 97204
(503) 224-3930

Founded: 1964

Type of Organization	Trade Association Standards Developer
Standards Development	Standards developer since early 1900's Prepared under the umbrella of the National Bureau of Standards Voluntary Product Standard PS 20-70 and the American Lumber Standards Committee.
Standards Designation	Western Lumber Grading Rules
Government Adoption	All building code writing and purchasing agencies (Federal, state, and local) accept lumber graded pursuant to WWPA grading rules. Additionally, WWPA rules are accepted worldwide.
Certification	WWPA provides member companies with grade stamps to mark lumber graded under Association rules and supervision. A symbol indicates that the piece is graded under WWPA rules and the provisions of NBS Voluntary Products Standard PS 20-70.
Scope	Consists of member companies throughout the twelve contiguous Western states. Maintains lumber grade inspection bureau to assure grading standards on a uniform basis. Provides promotion, advertising, technical, traffic, safety, export, and statistical services; promotes forest conservation.
Standardization Activities	Writes rules for Western lumber that conform to the National Bureau of Standards Voluntary Product Standard PS 20-70, American Softwood Lumber Standard. Also writes rules for glued lumber products in accordance with PS 20-70. Supervises member company grading procedures and practices through periodic sampling inspections of company graded lumber.
Availability	Sold directly
Keywords	wood products; lumber; grading rules; inspection; building;

WHEY PRODUCTS INSTITUTE

Dr. Warren S. Clark, Executive Director

130 North Franklin Street
Chicago, Illinois 60606
(312) 782-5455

Founded: 1971

Standards Staff: 2

Type of Organization

Trade Association
Standards Developer

Standards Development

Standards developer since 1971

Government Adoption

WPI-developed common and usual names for whey and whey products have been accepted by the FDA and were published as a Regulation in the Federal Register of September 4, 1981 (Vol. 46, No. 172, pp 44434-42).

Certification

No certification, qualification, or accreditation programs

Scope

A national trade association for processors of whey and whey derived products. Serves and promotes the interests of its members; enhances the acceptance and utilization of whey and whey products; maintains liaison and represents the industry in dealings with governmental agencies and legislative bodies; supports technical and marketing research; and assembles and disseminates statistics and other information.

Standardization Activities

Activities coordinated through its Standards/Research Committee. Develops standards in the areas of product definitions/nomenclature; specifications and grade classifications; and sanitation for whey, condensed whey, dry whey, reduced lactose whey, reduced minerals whey, whey protein concentrate, and lactose. Accepted by the industry nationally and internationally. Cooperates with the Food and Drug Administration, and the Department of Agriculture. Participates in the Codex Alimentarius program.

Keywords

whey; whey products; lactose; food;

WIRE REINFORCEMENT INSTITUTE

William V. Wagner, President

7900 Westpark Drive
McLean, Virginia 22102
(703) 790-9790

Founded: 1930

Type of Organization

Trade Association
Works through other organizations to develop standards

Representation

ASTM A-1, C-13

Scope

An association of producers of welded wire fabric, wire reinforcement, and wire products for the reinforcement of concrete and other construction materials. Purpose is to advance industry through scientific research, educational activities, engineering, product development, and general construction technology.

Standardization Activities

Codes and Standards Committee works through ASTM to develop specifications for wire and wire welded fabric. Makes recommendations to ASTM Committee A-1 on steel and C-13 on concrete pipe.

Keywords

reinforcement; concrete; wire fabric, materials; construction;

WOOD AND SYNTHETIC FLOORING INSTITUTE

John Messervey, Executive Vice President

108 Dania Circle
Lehigh, Florida 33936
(813) 369-2262

Founded: 1954

Type of Organization Trade Association
Standards Developer

Standards Development 14 active standards

Scope Comprised of flooring contractors throughout the United States. Represents the industry in matters of interest to its membership.

Standardization Activities Publishes standards for all types of floors and floor surfaces. Develops programs for estimating of flooring installations and investigating fire safety of synthetic surfaces. Operates a continuing program of updating specifications.

Availability Distributed directly

Formerly Wood Flooring Institute (1970)

Keywords flooring; safety; wood products; building;

WOOD HEATING ALLIANCE

Michael C. Sciacca, P.E. Technical Director

1101 Connecticut Avenue, N.W., Suite 700
Washington, D.C. 20036
(202) 857-1181

Founded: 1974

Type of Organization Trade Association
Standards Developer

Standards Development 40 members active in standards development
3 active standards; 2 draft standards
Standards and draft standards available for public review

Certification The Alliance maintains a certification program for wood heater performance and accredits laboratories to run tests according to Alliance standards.

Scope A national trade association for the solid fuel (wood and coal) home heating industry. Members include manufacturers, distributors, retailers, laboratories, manufacturers representatives, and chimney sweeps. Represents members in government affairs, code and technical areas. Services include statistical reports, trade information, newsletters, and conferences.

Standardization Activities Concentrates on standardizing methods to measure the heating performance of fireplaces, wood stoves, and fireplace inserts.

Availability Distributed directly

Formerly Fireplace Institute
Wood Energy Institute

Keywords wood; solid fuel; heating; fireplaces; wood stoves;

WOOD MACHINERY MANUFACTURERS OF AMERICA

Don White, Executive Vice President

1900 Arch Street
Philadelphia, Pennsylvania 19103
(215) 564-3484

Founded: 1899

Standards Staff: 1

Type of Organization

Trade Association
Standards Developer

Secretariats

American National Standards Committee 01

Scope

110 manufacturers of machinery and equipment used in the production of lumber, veneer, millwork, and other wood products, but not including hand portable tools and equipment. Serves the industry by providing a forum to address technical and business issues and improve markets for U.S. made machinery.

Standardization Activities

Develops standards that enhance the safety and operability of woodworking machinery. Current publications include the widely recognized Noise Test Code and the Cutting Tool Safety Guidelines. Resources have been applied through ANSI to develop and maintain the voluntary consensus standard Safety Requirements for Woodworking Machinery, ANSI O1.1, which defines standards for safe installation, operation, and maintenance of woodworking machinery and accessory equipment.

Availability

Distributed directly

Formerly

Woodworking Machinery Manufacturers of America

Keywords

woodworking machinery; noise; safety;

WOOD MOULDING AND MILLWORK PRODUCERS

Neal T. Heflin, Director of Marketing

P.O. Box 25273
1730 Southwest Skyline
Portland, Oregon 97225
(503)292-9288

Founded: 1963

Type of Organization

Trade Association
Standards Developer

Standards Development

7 active standards
None processed through ANSI

Standards Designation

WM prefix

Scope

Manufacturers of wood mouldings and millwork. Provides promotion, standardization, and marketing information services.

Standardization Activities

Standards are initiated through a standing committee and administered by the association staff. Available standards include the WM/Series Moulding Patterns catalog of accurate, full scale renderings of the most popular wood moulding profiles used nationwide. This may be used as a standard basis for all U.S. moulding producers. Included in the current catalog are grading rules for standard mouldings and finger joint and priming standards.

Other available standards include: Industry Standard WM 1-79, Wood Interior Door Jambs and Frames; WM 2-82, Vinyl Wrapped Interior Moulding and Millwork Products standard; WM 3-79, Exterior Wood Door Frames; WM 4-77, Wood Moulding Requirements; WM 5-81, Standard Certified Non-Structural Laminated or Finger Jointed Wood; and WM 8-83, Industry Standard 20-Minute Fire-Rated Wood Door Frames.

Availability Distributed directly and through members

Keywords wood products; moulding; millwork; grading rules; lumber; building;

ZINC INSTITUTE

Werner T. Meyer, President

292 Madison Avenue
New York, New York 10017
(212) 578-4750

Telex: 148320.

Founded: 1918

Standards Staff: 10

Type of Organization Trade Association
Works through other organizations to develop standards

Representation 40 member companies active in standardization activities. Represented on more than 50 standards committees of ASTM, ADCl, SAE, NACE, SSPC, ASME, and others.

Scope The zinc industry's market development and information organization in North America, promoting increased use of the metal through technology transfer, technical services, and publicity programs. A nonprofit trade association supported by producers and consumers of zinc worldwide.

Standardization Activities Promotes the increased use of zinc coatings, alloys, and chemicals and maximizes the effectiveness of its representatives on national standards committees. Participates in committees developing standards including those for construction, coatings, fire protection, electrical, metallurgy, die casting, alloys, oxides, dust, and chemicals.

Institute committees monitor and assist the work of standards developing bodies within their areas of interest through committee members who liaise and coordinate with the appropriate code bodies.

Keywords coatings; die castings; galvanizing; corrosion protection; materials; zinc;

3. FEDERAL GOVERNMENT

3.1 FEDERAL VOLUNTARY STANDARDS POLICY (DMB CIRCULAR A-119)

On October 26, 1982, the Office of Management and Budget (OMB) issued Circular A-119, entitled "Federal Participation in the Development and Use of Voluntary Standards." This establishes a policy for all Federal executive branch agencies concerning the use of voluntary standards and participation of Federal employees in their development. It sets forth "the policy of the Federal Government in its procurement and regulatory activities to rely on voluntary standards, both domestic and international, whenever feasible and consistent with law and regulation pursuant to law." Voluntary standards should be adopted and used by Federal agencies "in the interests of greater economy and efficiency" and should be given preference over non-mandatory Government standards unless use of such voluntary standards would adversely affect performance or cost, reduce competition, or have other significant disadvantages.

Participation by Federal agency employees in voluntary standards activities is encouraged when it would be "in the public interest and is compatible with agencies' missions, authorities, priorities, and budget resources." Such participation should be aimed at contributing to the development of voluntary standards that will eliminate the necessity for the development and maintenance of separate Government standards.

The Circular requires the coordination of agency participation so that (1) the most effective use is made of agency resources and representatives, and (2) the views expressed by those representatives are in the public interest, and, at minimum, do not conflict with the interests and established views of the agencies. Agencies must establish procedures to ensure that their representatives who participate in voluntary standards activity "will, to the extent possible, ascertain the views of the agency on matters of paramount interest, and will, as a minimum, express views that are not inconsistent or in conflict with established agency views."

The Circular also requires that agencies responsible for developing Government standards review their existing standards at least every five years and cancel those for which adequate and appropriate voluntary standards can be substituted.

3.2 ROLE OF INTERAGENCY COMMITTEE ON STANDARDS POLICY

The Interagency Committee on Standards Policy was established in 1968 to encourage coordination and liaison among Federal agencies on matters relating to standards. After a period of inactivity (1972-1974), it was reactivated in 1975. In response to the provisions of OMB Circular A-119, it is now composed of policy-level representatives of the 13 Federal cabinet departments, 10 independent Federal agencies, and three offices in the Executive Office of the President, including the Office of Management and Budget. The National Bureau of Standards provides the Chairman and the Secretariat.

The Committee meets at least once a year to establish new task groups of standards experts from agencies with specific interest in selected topics and to review work carried out by similar, previously established ad hoc groups. Recommendations are generally in the form of guideline documents and are transmitted to the Secretary of Commerce for distribution to the heads of agencies and departments represented on the Committee. They may also be published in the Federal Register. Typical task group assignments cover participation in international standardization activities, certification programs, and other standards-related activities.

3.3 FEDERAL GOVERNMENT ORGANIZATIONS

This section includes 71 entries for Federal Departments, Agencies, and other organizational elements, most of which are standards developers. It should be noted that some Federal standards are voluntary, though the majority are mandatory by reason of being referenced in legislation or regulations, or are invoked in contracts as a condition of sale to Government agencies. Many nongovernment standards are mandated in the same way.

Government organizations were asked to cite the means by which their standards are implemented or promulgated. Usually this is accomplished by incorporating the standards in applicable Parts of the Code of Federal Regulations (CFR). How the agency usually applies standards is summarized in the paragraph "Application". Authority for an agency's standardization activity is also included and is usually a citation of the United States Code (U.S.C.), a Public Law (P.L.), or a Part of the CFR. Most organizations have indicated the extent to which they adopt nongovernment standards and participate in government and private sector standards committees.

The following organizations are listed in this section:

	Page
Department of Agriculture	
Agricultural Marketing Service	415
Federal Grain Inspection Service	416
Food Safety and Inspection Service	417
Foreign Agricultural Service	419
Forest Service	420
Information Resources Management	420
Rural Electrification Administration	421
Department of Commerce	
Bureau of the Census	422
Federal Coordinator for Meteorology	422
International Trade Administration	423
National Bureau of Standards	
Institute for Computer Sciences and Technology	424
National Engineering Laboratory & Law Enforcement	
Standards Laboratory	425
Office of Product Standards Policy	428
National Marine Fisheries Service	430
National Oceanic and Atmospheric Administration	
National Environmental Satellite, Data, and Information Service	431
National Weather Service	432
National Telecommunications & Information Administration	433
U.S. Patent and Trademark Office	
Assistant Commissioner for Patents	433
International Patent Classification	434
Technology Assessment and Forecast	434
Trademark Examining Operation	435
Congress of the United States	
Joint Committee on Printing	436
Consumer Product Safety Commission	436
Department of Defense	438
Department of Energy	
Building Energy Research and Development	
Building Equipment Division	439
Building Services Division	440
Building Systems Division	440
Defense Programs, Assistant Secretary for	441
Energy Information Administration	442
Environment, Safety, and Health	443
Environmental Protection Agency	443

Executive Office of the President	
U.S. Trade Representative	444
Federal Communications Commission	445
Federal Trade Commission	446
General Services Administration	
National Archives & Records Service	447
Procurement	447
Health & Human Services	
Center for Disease Control	449
Food and Drug Administration	449
Health Care Financing Administration	453
Department of Housing and Urban Development	454
Interdepartmental Screw Thread Committee	456
Department of the Interior	
Minerals Management Service	456
U.S. Geological Survey	
Information Systems Division	457
National Mapping Division	458
Water Resources Division	459
Department of Justice	460
Department of Labor	
Mine Safety & Health Administration	461
Occupational Safety and Health Administration	462
Library of Congress	
Automated Systems	463
National Library Service for the Blind & Physically Handicapped	463
Processing Services	464
Research Services	467
National Aeronautics and Space Administration	
Occupational Health Office	467
Systems Engineering and Technology	468
Nuclear Regulatory Commission	469
Department of Transportation	
Federal Aviation Administration	470
Federal Highway Administration	
Bureau of Motor Carrier Safety	471
Engineering	471
Environmental Policy	472
Highway Operations	473
Traffic Operations	474
Maritime Administration	475
Materials Transportation Board	476
National Highway Traffic Safety Administration	476
United States Coast Guard	477
Department of the Treasury	
Bureau of Alcohol, Tobacco, and Firearms	478
Bureau of the Mint	479
U.S. Customs Service	
Commercial Operations	479
Technical Services Division	480
U.S. Trade Representative	481
Veterans Administration	481

DEPARTMENT OF AGRICULTURE

AGRICULTURAL MARKETING SERVICE

Administrator
Room 3071 South Building
Washington, D.C. 20250
(202) 447-6766 IDS: 151-76766

Authority Agricultural Marketing Service (AMS) carries out standardization activities under the Agricultural Marketing Act of 1946, the U.S. Cotton Standards Act of 1923, the Tobacco Inspection Act of 1935, the Federal Seed Act of 1939, and the Egg Products Inspection Act (EPIA).

Implementation U.S. grade standards for food and farm products are contained in the Code of Federal Regulations, Section 7. Standards for cotton, lint, wool, tobacco, live animals, raisins, turpentine, fresh fruits and vegetables, processed fruits and vegetables, dairy products, meat, poultry, and poultry products are promulgated under 7 CFR, Part 26-209.

The purpose of the standards is to identify the degrees of quality in food and farm products and thereby aid in marketing by establishing the usability or value of these products.

The standards, in most cases, are for voluntary use by industry. There are seven standards for cotton, cottonseed, and lint; 16 standards for dairy products; over 150 standards for fresh fruits, vegetables, nuts, and specialty products; over 150 standards for processed fruits and vegetables, honey, and miscellaneous processed products; 11 standards for live animals and wool; five standards for shell eggs; one standard for poultry and rabbits; and 15 standards for tobacco and naval stores. Within each standard, there are a number of levels of quality-grades for the product.

AMS sets standards for agricultural and vegetable seed purity, germination, and variety certification. The standards are found in 7 CFR, Part 201.

Under the EPIA, AMS specifies the conditions under which egg products and "restricted eggs" are handled.

Application Grading, inspection, or classing services, to certify the quality of products according to the U.S. grade standards, are provided by Department of Agriculture (USDA) to producers, packers, wholesalers or others, on request, and usually for a fee to cover the cost of the service.

Egg products plants must operate under continuous inspection of USDA, and these plants must apply for the service, submit blueprints of their plant, complete any necessary remodeling and equipment installation, submit labels, and have their water supply approved. Egg products plants are those which manufacture liquid, frozen, or dried egg products.

Businesses that handle shell eggs must register with USDA. They must also destroy eggs that are in any way unsuitable for human consumption eggs. Dirty eggs and eggs with cracked shells but with the contents not leaking, must be shipped only to officially inspected egg products processing plants for proper segregation and processing.

In addition, AMS approves or disapproves for importation egg products from foreign countries.

AMS has cooperative agreements with each State to regulate interstate commerce for agricultural and vegetable seeds. Under these agreements, the States refer apparent violations of the Federal Seed Act interstate provisions to AMS for verification and appropriate action. In addition, AMS conducts a voluntary seed certification program.

**Qualification,
Certification,
or Calibration**

Services to certify the quality of products according to the U.S. grade standards are provided for a fee to cover the cost of the service. The Tobacco Inspection Act provides for free and mandatory inspection of tobacco based on official grades, after a referendum in which two-thirds of the growers supplying an auction market vote approval. Tobacco may also be inspected on a voluntary, fee-for-service basis.

**Committee
Activity**

AMS officials participate in committees of trade, technical, and academic organizations -- both national and international -- related to AMS commodities and functions as appropriate.

**Standardization
Activities**

Standardization specialists in each commodity area develop new U.S. grade standards and revise current standards as necessary to promote orderly marketing. Market surveys and other studies are conducted, and proposed standards and revisions are published for public comment before implementation.

Availability

Information on the AMS activities described here is available from the AMS, Information Division, Washington, D.C. 20250.

Keywords

food; farm products; agriculture; grading; seed testing; cotton classing; U.S. grade standards; egg products inspection;

DEPARTMENT OF AGRICULTURE

FEDERAL GRAIN INSPECTION SERVICE

Standardization Division
Building 221, Richards-Gebaur AFB
Grandview, Missouri 64030
(816) 348-2086

Authority

The Federal Grain Inspection Service (FGIS) carries out standardization activities under the U.S. Grain Standards Act (USGSA), as amended (P.L. 94-582) and under the Agricultural Marketing Act of 1946 (AMA), as amended.

Implementation

Standards for grains are promulgated under 7 CFR, Part 810. Standards for rice, dry beans, lentils, and dry peas are promulgated under 7 CFR, Part 68. Standards for hay and straw are promulgated under 7 CFR, Part 57.

Nineteen U.S. Standards are currently in effect. Use of the standards under the USGSA is mandatory for grain exports, except to Mexico and Canada, by land carriers. Inspections of grains moving in domestic commerce are voluntary. As provided by the AMA, all inspection services (including export) are voluntary on the part of the trade.

Application

The amended U.S. Grain Standards Act requires FGIS to provide: (1) mandatory inspection and weighing services at export ports by Federal or delegated State agency personnel; and (2) permissive inspection and weighing services at domestic locations by designated State and private agency personnel. The USGSA also requires FGIS to supervise all official inspection and weighing activities whether performed by Federal personnel. Further, on a request basis, Federal personnel perform inspection of rice and related commodities under the AMA and provide nationwide appeal inspection services.

Qualification, Certification, or Calibration	The Research and Development Branch within the Standardization Division conducts research to improve the uniformity and reliability of grain inspection procedures and to develop new procedures. Also, the Branch evaluates and develops equipment related to the grain inspection system.
Committee Activity	<p>The Division participates in the following standards related committees:</p> <p>FGIS Advisory Committee Codex Committee on Cereals, Pulses and Legumes International Organization for Standardization National Conference on Weights and Measures NC-151 Committee Rice Millers' Association -- Grades Committee American Dry Pea and Lentil Association -- Grades Committee National Dry Bean Council -- Grades Committee National Grain and Feed Dealers Association -- Grades Committee PNW Grain Standards and Quality Committee Grain Elevator and Processing Society -- Grades Committee National Alfalfa Hay Quality Committee Western Regional Coordinating Committee for Predicting Nutritive Value of Alfalfa Hay National Infrared Reflectance Project on Forages National Sunflower Association -- Grades Committee American Soybean Association -- Grades Committee American Farm Bureau Federation -- Wheat Advisory Committee North American Export Grain Association, Inc. -- Grades Committee National Hay Association -- Grades Committee</p>
Standardization Activities	FGIS standardization activities aid orderly marketing of grain, oilseeds, rice, and related commodities. This is accomplished through the development, promulgation, and uniform application of new and revised U.S. standards for grain, oilseeds, rice, dry beans, dry peas, lentils, hay, straw, hops, and related processed commodities. Activities include establishment, review, and revision of U.S. Grain Standards to reflect the latest inspection techniques and marketing needs. The agency also evaluates instruments and equipment used in the inspection and weighing process to ensure accuracy. In addition, the agency maintains an international monitoring program which interacts with foreign governments and trade teams to exchange information and to respond to complaints concerning quality and quantity of grain shipments.
Availability	Copies of the standards are available through the Information Resources Management Branch, Department of Agriculture (USDA), FGIS, Room 0667, South Building, 1400 Independence Avenue, S.W., Washington, D.C. 20250, telephone (202) 382-1738.
Keywords	grain inspection; grain standards; grain weighing; commodity inspection; grain marketing; agricultural grading; food; agriculture;

DEPARTMENT OF AGRICULTURE

FOOD SAFETY AND INSPECTION SERVICE

Office of the Administrator
332-E Administration Building
Washington, D.C. 20250
(202) 447-9113

Authority	(1) 21 U.S.C. 601-695, March 4, 1907, the Federal Meat Inspection Act, as amended in 1967, to authorize the examination of animals and meat products used in interstate or foreign commerce, and inspection of slaughter and packing establishments.
------------------	--

	<p>(2) 21 U.S.C. 451-469, August 28, 1957, the Poultry Products Inspection Act, as amended in 1968, to provide for the compulsory inspection of poultry and poultry products at slaughter and processing plants.</p> <p>(3) 7 U.S.C. 1901-1906, the Humane Slaughter Act, to require humane methods of slaughter in federally inspected plants.</p>
Implementation	9 CFR, III-A and C, Parts 301-335 and 381, Mandatory Meat Inspection and Mandatory Poultry Products Inspection.
Application	Mandatory continuous on-site inspection of domestic meat and poultry. Periodic reviews of foreign plants eligible to export meat and poultry to the United States.
Qualification, Certification, or Calibration	<p>Standards have been developed to cover the ingredients, methods of processing, and labeling of meat and poultry products; the materials and design of plant facilities and equipment inspection methods; and chemical compounds permitted in the formulation, packaging or processing of meat and poultry products.</p> <p>In FY 1982, 110,642 labels were approved; 2,823 plant blueprints were reviewed; 1,889 equipment drawings were reviewed; 11,337 packaging materials and compounds were reviewed; and 2,254 reviews of foreign plants which export to the U.S. were conducted.</p>
Committee Activity	Standards are developed by appropriate staffs within the program in consultation with the National Meat and Poultry Inspection Advisory Committee.
Standardization Activities	<p>The Food Safety and Inspection Service (FSIS), Department of Agriculture (USDA), administers a comprehensive inspection system to assure that meat and poultry is safe, wholesome, and accurately labeled. Inspection begins with review of a slaughtering or processing plant's plans for facilities, equipment, and procedures to assure that the plant will have a safe and sanitary operation. Animals are inspected both before and after slaughter. Veterinary supervisors monitor the procedures and work with the inspectors to assure uniformity in the inspection process and to provide expertise in detecting animal diseases. Inspection also includes examination for drug and chemical residues, and inspectors regularly take tissue samples from slaughtered animals and send them to FSIS laboratories. FSIS reviews the procedures, recipes, and labels used to manufacture processed meat and poultry products to assure they will be safe to eat and accurately labeled.</p> <p>More than 8,000 inspectors and veterinarians oversee inspection in 7,400 plants nationwide. Scientific testing to support the inspection program is carried out in three field laboratories, augmented by certified state and private laboratories. FSIS compliance officers make over 42,000 reviews annually of approximately 14,000 meat and poultry product handlers. FSIS regularly reviews the inspection programs operated by foreign countries to ensure they enforce requirements at least equal to those of the U.S. system. All imported products are re-inspected at the port-of entry or at inland inspection points before distribution in the U.S.</p>
Availability	Publications sold by Government Printing Office
Keywords	inspection; meat; label; review; food; poultry; import;

DEPARTMENT OF AGRICULTURE

FOREIGN AGRICULTURAL SERVICE

Planning and Analysis Division
International Trade Policy
14th and Independence Avenue SW.
Washington, D.C. 20250
(202) 382-1318

- Authority** 19 U.S.C. 2542 Trade Agreements Act of 1979-Title IV-Technical Barriers to Trade (Standards) Subtitle B-Functions of Federal Agencies, Sec. 412. Establishment and Operation of Technical Offices.
- Implementation** 7 CFR, Part 2 & E.O. 1216, Sec. 1-103. Final rule published in the Federal Register Vol. 45, No. 242, December 15, 1980-page 82153.
- Committee Activity** The Foreign Agricultural Service (FAS), Department of Agriculture (USDA), Technical Office participates in two intra-agricultural committees, the National Agricultural Pesticide Impact Assessment Program (NAPIAP), which is a policy committee, and Technical Advisory Group (TAG), which is an advisory committee to NAPIAP. In addition, the Technical Office is represented on the inter-governmental agency Trade Policy Staff Committee (TPSC) - Subcommittee on Standards. The Technical Office is also involved with two nongovernmental committees, the National Agricultural Chemicals Association (NACA) - International Committee and the Association of Official Analytical Chemists (AOAC) committee on laboratory accreditation.
- Standardization Activities** Participated in the development of the General Agreement on Tariffs and Trade (GATT) Agreement on Technical barriers to Trade (Standards Code) and currently participates in twice-yearly Standards Code meetings in Geneva. Receives, through the GATT Secretariat and U.S. diplomatic posts in foreign capitals, notifications of proposed foreign mandatory standards and their requirements concerning agricultural products. Publishes proposed standards in Export Briefs (a weekly trade paper published by FAS) and also notifies them in Agnet (a computerized agricultural reporting system of the University of Nebraska). Comments, when appropriate, to other governments, signatories to the Code, on their proposed mandatory standards and related tests or certification systems when their proposals are seen as potential barriers to trade. Assists in representations to foreign governments on standards-related trade policy activities. Provides information to U.S. exporters on existing standards in foreign countries. Provides advice to state and local governments on foreign trade aspects of their activities.
- In accordance with provisions of the Trade Agreements Acts nineteen committees have been established: ten Agricultural Policy Advisory Committees, and nine Agricultural Technical Advisory Committees for Trade. These committees address trade issues in the areas of cotton, dairy, fruits and vegetables, grain and feed, livestock and products, oilseeds and products, poultry and eggs, sweeteners and tropical products, and tobacco and provide advice to Secretary of Agriculture and U.S. Trade Representative on standards-related trade policy activities of the United States.
- Keywords** GATT; Standards Code; inquiry point; international trade; business; food; agriculture;

DEPARTMENT OF AGRICULTURE

FOREST SERVICE

P.O. Box 2417, Room 1108 RP-E
Washington, D.C. 20013
(703) 235-8098

- Implementation** While the United States Department of Agriculture Forest Service (USDA/FS) prepares standards for internal use, it does not promulgate standards for general use and prefers to reference existing voluntary standards.
- Application** Application is usually decided by the sponsoring organization. For example, USDA/FS technical input on the strength of wood members was used by ladder manufacturers and was published by the American National Standards Institute and the National Safety Council. OSHA and CPSC adopt all or parts of these standards.
- Committee Activity** USDA/FS technical experts participate in numerous standards writing activities. These include: ALSC, ASTM, AASHTO, ANSI, NFPA, HUD (FHA), FmHA, etc. They participate as technical authorities and represent the general interest category rather than producer or user.
- Standardization Activities** USDA/FS technical experts participate in standards activities as individuals, and in fact, when required, pay membership dues themselves.
- Availability** Standards are obtainable through the sponsoring organization (e.g., ASTM, ANSI).
- Keywords** wood; lumber; pulp; paper; glulam; lumber grading; strength of wood; wood preservatives; wood adhesives;

DEPARTMENT OF AGRICULTURE

INFORMATION RESOURCES MANAGEMENT

Review and Evaluation Division
Room 441-W Administration Building
Washington, D.C. 20250
(202) 447-2803

- Authority** PL 89-306 and resulting Federal Information Processing Standards (FIPS PUBS); PL 93-579; PL 96-511; Federal Property and Administrative Services Act of 1949, companion letter of August 14, 1972 from the Administrator of GSA delegating Federal telecommunications standards development responsibilities to the Executive Agent of the National Communications System and recently confirmed and amplified by Executive Order 12046 and by Presidential Directive 53.
- Implementation** The Office of Information Resources Management (OIRM) is responsible in USDA for standards that cover information processing management and operations for office automation, data processing, and telecommunications environments, related data and security. The specifications are promulgated in the Departmental Directives System, in regulations, and in the Departmental standards and mandatory procedures which must be followed. Voluntary federal and Departmental procedures and guidelines are to be used unless an alternative specification is superior.
- Application** The specifications are used in acquisition documents to control products and services brought into the Government inventory. They apply to all information processing units, resources, and activities in USDA.

Adoption	The majority of the Departmental standards are incorporated from those proposed in the FIPS publications of NBS. About ten are from other standards bodies such as the American National Standards Institute.
Qualification, Certification, or Calibration	Certification is required of computer software pursuant to the requirements of Office of Management and Budget Circular A-71, Transmittal No. 1. Certification is required of all sensitive systems.
Committee Activity	OIRM participates in standardization activities of the National Bureau of Standards and National Communication System.
Standardization Activities	Periodically task groups are set up to define new standards or to review existing ones. The benefit is a greater knowledge and understanding of standards and how the program works. Draft specifications are reviewed as they are proposed. New specifications are adopted automatically if they are Federal standards and after review if they are procedures or guidelines.
Keywords	ADP; telecommunications; automation; data management; computers; information management; data processing;

DEPARTMENT OF AGRICULTURE

RURAL ELECTRIFICATION ADMINISTRATION

Room 4051 South Building
Washington, D.C. 20250
(202) 382-1255

Authority	7 U.S.C. 901-950b with amendments through 1981.
Implementation	Through printed bulletins and lists of Rural Electrification Administration (REA) approved manufacturers and equipment.
Application	Engineering Standards Divisions in the Electric and Telecommunications Programs work with area offices to see that borrowers are informed and in compliance with national safety standards as set by various standards making organizations.
Adoption of Nongovernment Standards	REA incorporates new and revised nongovernment standards into REA's lists.
Qualification, Certification, or Calibration	Borrowers must submit work plans to REA defining the proposed construction. REA does not become directly involved in bidding and letting contracts to manufacturers, but borrowers have the responsibility of using those on approved list.
Committee Activity	REA sits on appropriate committees with IEEE, ANSI, and others with activities which relate directly to electric and telecommunications borrowers.
Standardization Activities	REA has issued 385 Bulletins detailing requirements for organizing, financing, designing, constructing, and operating electric generation and distribution systems and telephone facilities. Nearly half of these define technical requirements for equipment, materials, design, testing, safety, and maintenance. The remainder include lists of acceptable materials and authorized inspection agencies, as well as standards for financial and statistical reports, loan agreements, model contracts and related business matters.

Standards and specifications of national standardizing organizations are utilized to the maximum practicable extent. Where they are not adequate or where they do not exist, REA prepares

standards and specifications to be used by its borrowers which construct and operate rural electric and telephone systems. Standards and specifications are also prepared where it appears that such specifications and standards will result in reduced costs, improved materials and equipment, or the more effective use of engineering services. Standards and guides are also prepared which relate to the management and operation of rural electric and telephone systems.

REA standards are utilized by 2,000 rural electric and telephone systems to which loans have been made in 47 states, The Virgin Islands, Guam, Puerto Rico, Saipan, Tinian, and Rota. The standards are also utilized by other organizations in this country and abroad.

Availability Information on REA standards and copies of most standards are available upon request to the Rural Electrification Administration, U.S. Department of Agriculture (USDA), Washington, D.C. 20250. Several REA publications which include specifications, standard construction drawings and contract forms are available from the U.S. Government Printing Office.

Keywords electric power; transmission; distribution; generation; energy; electrical equipment; telephone; communications;

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Room 1057, FOB 3
Washington, D.C. 20233
(301) 763-7575

Committee Activity The Bureau of the Census, Department of Commerce (DOC), participates in pertinent standards committees of the following: American Agricultural Economics Association; Office of Management and Budget, Statistical Policy Office, Office of Information and Regulatory Affairs; Department of State Commission on Cartology; and Federal Committee on Metropolitan Statistical Areas.

Standardization Activities The Bureau is active in development of standards and specifications for definition of standard metropolitan statistical areas, digitization of geographic information, and statistical economic definitions.

Keywords cartography; metropolitan statistical areas; economic statistics; digital cartography; digital geographics; data;

DEPARTMENT OF COMMERCE

FEDERAL COORDINATOR FOR METEOROLOGY

11426 Rockville Pike
Suite 300
Rockville, Maryland 20852
(301) 443-8704

Authority (1) Section 304 of the Department of Commerce (DOC) Appropriation Act of 1963.
(2) OMB Circular A-62 dated November 13, 1963 which outlines policies and procedures for the coordination of Federal meteorological services.
(3) Comptroller General Report to the Congress of the United States dated October 16, 1979, states, "The Federal Weather Program must have stronger central direction".

Implementation	Meteorological program standards and guidelines are developed within the Federal interdepartmental committee structure for meteorological services and supporting research. The guidelines, standards and plans are approved by the Interdepartmental Committee for Meteorological Services and Supporting Research (ICMSSR) for implementation by agencies.
Application	The plans, standards, and guidelines are implemented through procurement specifications, approved interagency plans and procedures, and through cooperative adoption.
Adoption of Nongovernment Standards	Extensive use is made of general standards and guidelines provided by NBS (Federal Information Processing Standards), DoD, ANSI, ISO, World Meteorological Organization (WMO). They are refined to meet the special needs for meteorological operations, services, and supporting research.
Committee Activity	The ICMSSR and its subsidiary interagency committees and groups are the developers and approvers of meteorological program plans, standards and guidelines. Members of these groups and of the office of the Federal Coordinator for Meteorology maintain liaison directly and indirectly with other Federal and non-Federal standards bodies, including international organizations, such as WMO.
Availability	Office of the Federal Coordinator for Meteorology.
Keywords	weather; meteorology; instrumentation; satellites; aviation; space environment; communications; weather reconnaissance; weather radar; solar-terrestrial; data processing;

DEPARTMENT OF COMMERCE

INTERNATIONAL TRADE ADMINISTRATION

Office of Multilateral Affairs/GATT Affairs Division
14th Street and Constitution Avenue NW., Room 3517
Washington, D.C. 20230
(202) 377-3681

Authority	Title IV of the Trade Agreements Acts of 1979 (P.L. 96-39), the U.S. legislation which implements the GATT Agreement on Technical Barriers to Trade (Standards Code) for the U.S. and establishes rules for federal agencies engaged in standards-related activities.
Implementation	The Standards Code is implemented in the U.S. by the Interagency Trade Policy Staff Committee, Subcommittee on Standards. Within the Department of Commerce (DOC), International Trade Administration (ITA) shares responsibility with the National Bureau of Standards (NBS) for Standards Code implementation. ITA is primarily responsible for standards trade policy matters while NBS has the lead in Code-related technical and informational activities.
Application	Commerce application of Title IV has centered on three areas: 1) publicity of the Code's rights and benefits to U.S. exporters, particularly of the Code's technical information network and notification/comment provisions; 2) raising standards-related trading problems of U.S. business in bilateral negotiations with key trading partners under Code auspices; and 3) representing U.S. industry's interests in GATT Standards Code Committee deliberations.
Committee Activity	Represents the Commerce Department in the following committees: Committee on Technical Barriers to Trade of the General Agreement on Tariffs and Trade (GATT); the U.S. Trade Policy Staff

Committee, Subcommittee on Standards; and the U.S. Industry Functional Advisory Committee (IFAC) on Standards Trade Policy Matters.

Availability: Information to assist U.S. companies in taking advantage of the benefits of the GAIT Standards Code is available from the GATT Affairs Division.

Keywords: GATT; Standards Code; technical barriers to trade; non-tariff barriers; trade; business; general;

DEPARTMENT OF COMMERCE

NATIONAL BUREAU OF STANDARDS

Institute for Computer Sciences and Technology
Washington, D.C. 20234
(301) 21-3151

Authority: Federal Property and Administrative Services Act of 1949, as amended; P.L. 89-306, 79 Stat. 1127, 40 U.S.C. 759(b); Executive Order 11717 (38 FR 12315); and 15 CFR Part 6.

Implementation: More than 100 Federal Information Processing Standards Publications (FIPS PUBS) have been prepared.

Application: The Institute for Computer Sciences and Technology (ICST) conducts research and provides scientific and technical advisory services to aid Federal agencies in the management and use of computer technology to improve effectiveness and economy in government operations. Federal agencies are obligated to use FIPS PUBS as applicable. FIPS PUBS are widely used by the private sector and are often adopted as American National Standards. In addition, the Institute develops test methods and performance measures to assist users and industry in implementing standards. ICST validates hardware devices for conformance with FIPS PUB 46, Data Encryption Standard.

Committee Activity: Staff members of the Institute participate in the standards development activities of the ANSI X3 Committee on Information Processing Systems, its many subcommittees and working groups, and IEEE standards groups; ICST staff are also active on ISO Technical Committee 97, Information Processing Systems, its subcommittees and working groups; as well as CCITT and the European Computer Manufacturers Association.

Standardization Activities: The goals of the Federal Information Processing Standards program are to:

- improve the life-cycle efficiency and effectiveness of Federal information technology resources;
- facilitate competitive and economic procurement of systems, components, and services;
- improve the portability of data, software, and technical skills across systems;
- protect systems and networks against unauthorized access, manipulation, abuse;
- reduce waste, errors, and unnecessary duplication in the application and use of systems; and
- increase the productivity of the Federal workforce.

The ICST participates in the development of voluntary industry computer standards and Federal ADP standards and guidelines. ICST exchanges information with Federal, state, and local government agencies and consults with industry and private sector users on computer technology issues.

FIPS PUBS include standards, guidelines, and program information documents for hardware, software data, and ADP operations as well as general publications. All FIPS PUBS are listed in NBS Publications List 58 which is revised periodically. More than 40 non-government standards are adopted via FIPS PUBS.

Availability

FIPS PUBS, including magnetic tapes of standard codes for states, statistical areas, etc., are available from National Technical Information Service.

Keywords

information processing; FIPS PUBS; ADP; computers; software; optical character recognition; information interchange; punched cards; magnetic tape; computer output microform; electrical power; safety; data transmission; data management; programming languages; computer performance evaluation; computer security; plug-compatible systems;

DEPARTMENT OF COMMERCE

NATIONAL BUREAU OF STANDARDS

National Engineering Laboratory
Law Enforcement Standards Laboratory
Washington, D.C. 20234
(301) 921-3161

Authority

- (1) Title 1, Section 402(b) of the Omnibus Crime Control and Safe Streets Act of 1968, P.L. 90-351
- (2) 42 U.S.C. 3701, Justice System Improvement Act of 1979, P.L. 96-157

Implementation

The Law Enforcement Standards Laboratory (LESL) develops standards for the U.S. Department of Justice, National Institute of Justice (NIJ), and the National Highway Traffic Safety Administration (NHTSA).

The standards developed by LESL are performance oriented insofar as possible. They are not consensus standards but are subjected to extensive technical and editorial review within NBS, as well as other government agencies, manufacturers, users, and independent experts. The standards are given a final review by the sponsor (NIJ or NHTSA) and promulgated by them.

The NIJ has elected to publish all LESL-developed standards as voluntary national standards. Law enforcement agencies are encouraged to use the NIJ standards to achieve cost-effective procurement of equipment through competitive bid. In recent years, under a separate NIJ grant, the International Association of Chiefs of Police (IACP) has operated a limited equipment testing program. The IACP contracts with two independent testing laboratories to conduct tests of equipment in accordance with NIJ standards. Complete test results are then published in an IACP consumer information report series to assist State and local law enforcement agencies in selecting equipment that is suitable for their needs. Test reports published to date include police body armor, hand-held personal/portable transceivers, handcuffs, riot and crash helmets, narcotic test kits, batteries for hand-held transceivers, and emergency vehicle sirens. Subsequent to publication of the initial test report, manufacturers may have their equipment tested to the NIJ standard by either of the two

independent testing laboratories, and IACP will issue supplemental data sheets for the new products and retest.

In addition to the IACP testing program, certain manufacturers choose to use the NIJ standards as the benchmark for product design and certify compliance to the NIJ standards in their equipment specifications.

Prior to 1983, the NHTSA mandated the use of LESL-developed standards for State and local government procurement of evidential breath testers. Commercial products were tested by the U.S. Department of Transportation Systems Center in accordance with LESL-developed standards, and those devices which passed were placed on the NHTSA qualified products list. In 1983, the LESL-developed standard for speed measuring radar devices was issued by NHTSA as a voluntary model equipment specification. In 1983, the IACP undertook testing of speed measuring radar devices in the same manner as the NIJ equipment testing program and issued a consumer report on the results of those tests. It is anticipated that all future LESL-developed standards for breath alcohol instruments will be promulgated by NHTSA as voluntary model equipment specifications for use by State and local governments, and not mandated as in the past.

The standards that are developed by LESL are scheduled consistent with the priorities of the other-agency sponsors and available funds from those agencies. To ensure that the LESL program is relevant to the needs of the law enforcement community, the NIJ has established, through IACP, an advisory council that reviews LESL program plans and recommends research and equipment testing priorities, including the mission of NHTSA.

Application

The standards that are developed by LESL are based upon laboratory evaluation of commercially-available products to devise precise test methods that can be universally applied by any qualified testing laboratories, and to establish minimum performance requirements for each attribute of an item of equipment that is essential to the manner in which it functions. The LESL-developed standards can serve as design criteria for the manufacturers or as the basis for equipment evaluation. The application of the standards, which are highly technical in nature, is augmented through the publication of technical reports and user guides. Individual jurisdictions may use the standards in their own laboratories to test equipment, have equipment tested on their behalf using the standards, or cite the standards in procurement specifications.

Adoption of Nongovernment Standards

To the extent possible, LESL utilizes pre-existing industrial and trade association standards during the development of standards for NIJ and NHTSA, which may be directly cited or adapted to specialized testing methods in the final standard. Nongovernment standards utilized in the LESL program include those of the American Society for Testing and Materials, the American National Standards Institute, the Institute of Electrical and Electronics Engineers, and the Society of Automotive Engineers, among others as appropriate.

Qualification, Certification, or Calibration

In those instances when NIJ and NHTSA sponsor the IACP testing of specific items of equipment, LESL assists IACP in the preparation of the request for proposal from testing laboratories and the evaluation of the resulting bids to tentatively select two independent testing laboratories for each item of equipment. Following the award of the two contracts, LESL, IACP, and members of the National Bureau of Standards (NBS) Office of Product Standards Policy Laboratory Accreditation Program visit the laboratories for an on-site facility investigation and witness the complete testing of one item of equipment.

When the inspection team is satisfied that the laboratory personnel are proficient in testing to the LESL-developed standards, that all test equipment is properly calibrated, maintained and operated, and that appropriate test records are maintained, the IACP classifies the laboratory as an IACP-certified laboratory for that item of equipment. The laboratory is then allowed to proceed with the main-quantity testing. In the event that a laboratory does not demonstrate appropriate testing proficiency or lacks essential facilities during the on-site inspection, the contract is terminated and another laboratory is selected for the testing program. In those instances when the private sector, State and local government agencies wish to apply the LESL-developed standards in their own laboratories, LESL remains available for consultation on the application of the standards. However, certification or accreditation is not provided.

Committee Activity

The LESL participates in pertinent committees of the American National Standards Institute, the American Society for Testing and Materials, Electronics Industry Association, and the Institute of Electrical and Electronics Engineers.

Standardization Activities

The LESL program includes research in the broad range of equipment that is used by the entire law enforcement community. The NHTSA-sponsored activities are limited to breath alcohol instruments (evidential breath testers, calibrating units, screening testers, and breath sample collection/storage devices) and speed measuring devices (radar and vascar).

The NIJ-sponsored activities are part of an overall Technology Assessment Program that includes both the development of standards and other documents and the actual testing of equipment and publication of the test results. The Communication Systems Program has resulted in the development of standards for nearly all items of such systems -- transceivers, base stations, control heads, digital transmission systems, and tracking devices, to mention a few. The Security Systems Program has developed standards for all components of intrusion alarm systems, and standards for the physical security of door and window assemblies. The Weapons and Protective Equipment Program has developed standards for revolvers and automatic pistols, body armor, protective helmets, and tear gas devices. The Investigative Aids Program has developed standards for weapons and explosives detectors, arson accelerant detectors, and narcotic test kits. Other studies have centered on emergency vehicle warning systems and police clothing.

In addition, LESL has developed reference collections for use by forensic laboratories of automobile paints and synthetic fibers, and standard reference materials (refractive index glass and refractive index silicone liquids).

The LESL provides a complete publication list of documents available from the program upon request. This list is updated periodically as new documents are published. For the past several years, new documents have become available at an average of 15 documents per year, which is expected to continue for the next several years.

Availability

National Technical Information Service; U.S. Government Printing Office; National Criminal Justice Reference Service; and Law Enforcement Standards Laboratory.

Keywords

alcohol countermeasures; alarm systems; communications; investigative aids; law enforcement standards; police equipment; protective equipment; reference collections; weapons; public safety; transportation;

DEPARTMENT OF COMMERCE

NATIONAL BUREAU OF STANDARDS

Office of Product Standards Policy
Washington, D.C. 20234
(301) 921-3751

- Authority** 31 Stat. 1449 as amended, 64 Stat. 371, 15 U.S.C 271-278, P. L. 89-306, P.L. 89-755, and P.L. 94-168.
- Implementation** Voluntary Product Standards are developed under Department of Commerce (DOC) procedures (15 CFR, Part 10) for softwood lumber (PS 20-70), construction and industrial plywood (PS 1-74), and carbonated soft drink bottles (PS 73-77).
- Application** Voluntary Product Standards are voluntarily used by manufacturers, distributors, purchasers, specifiers, and others in producing, marketing, and specifying products. Voluntary Product Standards are very often adopted as American National Standards (ANS) after being processed under the procedures of the American National Standards Institute (ANSI). Some Voluntary Product Standards are referenced in local and state building codes and are used in product certification programs.
- Qualification, Certification, or Calibration** The National Voluntary Laboratory Accreditation Program (NVLAP) provides a voluntary mechanism for evaluating and recognizing the technical expertise and ability of private testing laboratories to perform specific nationally recognized tests for selected product areas or testing. Laboratories must meet minimum requirements for equipment, personnel, and quality control to be accredited under this program.
- Committee Activity** The Office of Product Standards Policy coordinates and oversees all National Bureau of Standards (NBS) involvement in standards committee activities. NBS staff members hold over 1,450 memberships on 1,050 standards committees of some 100 organizations (national as well as international) involved in standards activities. During 1982, 670 trips were taken to domestic standards committee meetings and 140 foreign trips were made. The Bureau's staff also participates in standards activities as part of efforts to maintain and advance national standards of measurement.
- Standardization Activities** The Office of Product Standards Policy oversees the Bureau's total involvement in private sector standards activities. The Office also serves as the focal point for the coordination of standards activities within the Department of Commerce and assists other agencies in implementing Federal standards policy as enunciated in OMB Circular A-119. The Office operates the Interagency Committee on Standards Policy and uses that committee to implement the provisions of Circular A-119 in a uniform and effective manner throughout all Federal executive branch agencies.
- The Office also serves as the principal point of contact between the Federal Government and the voluntary standards system. Bureau staff persons serve on the boards and councils of many voluntary standards organizations, including ANSI, ASTM, ASHRAE, CBEMA, IEEE, NFPA, and UL, and thereby have the opportunity to influence national standards policy.
- The Office of Product Standards Policy is responsible for four programs:
- The National Voluntary Laboratory Accreditation Program provides a mechanism for nationally recognizing the competency of U.S. testing laboratories in evaluating selected products for

conformance with specific standards. This program also represents U.S. interests in the International Laboratory Accreditation Conference (ILAC) and provides the basis for bilateral agreements with other countries for acceptance of test data produced in U.S. laboratories.

The Office of Weights and Measures develops recommendations for performance and test requirements for weighing and measuring devices used commercially and develops test methods to be used in evaluating these devices. This office sponsors the National Conference on Weights and Measures (a national organization made up of Federal, state, and local weights and measures officials and appropriate industry representatives), which promotes uniformity in weights and measures programs through the adoption of model law regulations, specifications, and tolerances for weights and measures.

The Standards Management Program manages the U.S. participation in the International Organization for Legal Metrology (OIML), an intergovernmental body concerned with the harmonization of national legal requirements pertaining to measurements in commerce, industry, and public health. This program is responsible for administering the Department of Commerce Voluntary Product Standards Procedures (15 CFR Part 10). Three standards are maintained under these procedures: PS 1-74, Construction and Industrial Plywood; PS 20-70, American Softwood Lumber Standard; and PS 73-77, Carbonated Soft Drink Bottles. A proposed standard for the bottling of carbonated soft drinks is under development.

The Standards Code and Information Program is responsible for providing information on 1) U.S. voluntary standards, 2) government regulations and specifications, 3) U.S. certification programs, 4) foreign and international standards, and 5) proposed foreign regulations relating to standards and certification programs. The program operates the National Center for Standards and Certification Information (NCSCI) (See Sources of Standards and Information); furnishes the U.S. "inquiry point" for information on proposed regulations which might significantly affect trade, as sent to and received from the Secretariat of the General Agreement on Tariffs and Trade (GATT), thus complying with the General Agreement on Technical Barriers to Trade, the "Standards Code;" and conducts technical office activities for non-agricultural products as required by the U.S. Trade Agreements Act of 1979.

The standardization activities of all NBS organizations are summarized in an NBS Special Publication, issued annually. This publication provides statistical as well as narrative information about the participation of NBS staff in standardization activities.

Availability

Voluntary Product Standards are available from Government Printing Office.

Keywords

voluntary standards; Voluntary Product Standards; ILAC; laboratory accreditation; standards activities; weights and measures; GATT; Standards Code, standards information; inquiry point; business; instruments; testing; general;

DEPARTMENT OF COMMERCE

NATIONAL MARINE FISHERIES SERVICE

Office of Utilization Research
Washington, D.C. 20235
(202) 634-7458

Authority	(1) 7 U.S.C. 1621-1627, Agricultural Marketing Act of 1946, to encourage uniformity and consistency in commercial practices. (2) 16 U.S.C. 742e, Fish and Wildlife Act of 1956, to promote fair trade standards. (3) 84 Stat. 2090, Reorganization Plan No. 4, which transferred the National Seafood Inspection Program from the Department of the Interior to the Department of Commerce.
Implementation	20 voluntary standards are codified as regulations in 50 CFR, Parts 261-266. They establish U.S. Standards for Grades for fish and fishery products.
Application	Inspectors certify, at the request of the seafood processor, that the product meets the criteria established in these standards. The inspection is conducted at the processing facility.
Adoption of Nongovernment Standards	No nongovernment standards have been adopted.
Qualification, Certification, or Calibration	To be eligible to use the official Department of Commerce (DOC) grade or identification marks as specified in 50 CFR Part 260.86, the processor must participate in the voluntary National Seafood Inspection Program. The marks may appear on the product label and/or the certificate. The processor pays for participation in the Program. Seafood processors that do not participate in the Program may use the U.S. Standards for Grades as guidelines but must not display the official marks.
Committee Activity	The following committees of the Codex Alimentarius Commission: Committee on Fish and Fishery Products Committee on Food Hygiene Committee on Food Labeling Committee on Pesticide Residues Committee on Methods of Analysis and Sampling
Standardization Activities	The National Marine Fisheries Service (NMFS) is actively involved in the preparation of U.S. Standards for Grades for seafood products which establish the criteria for the measure of quality of those seafood products (U.S. Grade A, B, and C). The standards currently pertain to various fresh and frozen seafood products. These standards, the use of which is voluntary, are prepared at the request of the seafood processing industry and are available to all interested parties in this country and abroad. This agency's participation on the various committees of the Codex Alimentarius Commission, specifically the Committee on Fish and Fishery Products, is critical to ensure that the recommended international standards which establish a minimum standard of quality are reflective of this country's commercial practices and are in proper alignment with the U.S. Standards for Grades.

This agency also participates in USDA's Government-wide Food Quality Assurance Program as the agency responsible for preparing specifications for seafood purchased for USDA's various feeding programs (school children, elderly, needy, American Indians).

Availability National Seafood Inspection Laboratory, National Marine Fisheries Service, P.O. Drawer 1207, Pascagoula, Mississippi 39567-0112.

Keywords fish; fishery products; seafood; quality standards; fish quality; seafood specifications;

DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

National Environmental Satellite, Data, and Information Service
Systems Planning and Development Staff
WWB, Room 711, E/SPD4
Washington, D.C. 20233
(301) 763-8064

Authority 15 U.S.C. 3.3, 49 U.S.C. 1483 provides the Secretary of Commerce with the authority to develop an international basic meteorological network.

Implementation Regulations on the administration and operation of a Geostationary Orbiting Environmental Satellite Data Collection System (GOES-DCS) is codified at 15 CFR, Part 911.

Application The National Oceanic and Atmospheric Administration (NOAA) GOES Data Collection System utilizes geostationary satellites to collect environmental data from remote locations. Standards on UHF transmitters and related equipment are established to ensure system integrity.

Qualification, Certification, or Calibration Manufacturers submit plans for in-plant testing of Data Collection Platform Radio Sets. If the plans are approved, a NOAA representative visits the manufacturer's testing facility and witnesses the tests. If a representative unit meets all of the established standards a type certificate is issued to the manufacturer.

Committee Activity National Environmental Satellite, Data, and Information Service (NESDIS) participates in the Coordinating Group for Geostationary Meteorological Satellites (CGMS) to establish compatible standards for international use. CGMS is sponsored by the World Meteorological Organization (WMO).

Standardization Activities Periodic meetings with industry are conducted to review the adequacy and applicability of the standards. Revisions to the existing standards are proposed in response to: technological developments; cost effectiveness considerations; operational difficulties observed within the GOES-DCS; and the need to clarify and improve measurement techniques.

Availability Four standards for self-timed, random reporting, international and interrogated Data Collection Platform Radio Sets are available from: Chief, Data Collection and Direct Broadcast Branch (E/SP21), NOAA/NESDIS, Washington, D.C. 20233

Keywords satellites; environment; electronic equipment; data processing; aerospace;

DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

National Weather Service
Test and Evaluation Division
RD 1, Box 10^F
Sterling, Virginia 22170
(703) 471-5302

Authority	(1) 15 U.S.C. 311 and 313, the original acts establishing the United States Weather Bureau. (2) 49 U.S.C. 1463 and Title 8, Section 803, of the Federal Aviation Act of 1958.
Implementation	Standards for producing weather information are included in the series of the Federal Meteorological Handbooks, Federal Specifications for Meteorological Equipment, and Operational Directives from the National Weather Service.
Application	Observers are certified by examination and experience and observatories are certified by periodic on-site inspection. Standards for Federal specifications are applied by the purchase orders for the equipment, and Operational Directives are applied by on-site inspection of the affected installation.
Adoption of Nongovernment Standards	Excluding those that are produced by intergovernmental agreement within the United Nations, nongovernment generated standards are relatively rare within the field of meteorology. A few such standards produced by organizations such as the American Society for Testing and Materials have been adopted. An effort is now underway to encourage voluntary standards organizations to produce standards for meteorology.
Qualification, Certification, or Calibration	Meteorological observatories are certified if they conform to the performance standards detailed in Federal Meteorological Handbooks, and National Weather Service Operational Directives.
Committee Activity	The National Weather Service actively participates in the standardization activities of the World Meteorological Organization, the Office of the Federal Coordinator for Meteorological Services and Supporting Research, and the American Society for Testing and Materials.
Standardization Activities	The development of standard methods for producing meteorological observations and measurements and the development and use of standard test methods for meteorological equipment is being actively pursued by the National Weather Service. Most standards are those produced within the government and contained within the Federal Meteorological Handbooks and by cooperation with other governments as published by the World Meteorological Organization in its guide to good practice. Nongovernment voluntary standards development organizations such as the American Society for Testing and Materials have been encouraged to develop standards for use in the field of meteorology but to date very few such standards exist.
Availability	The Federal Meteorological Handbooks are sold by the Government Printing Office. Federal specification for equipment and testing are available through the GSA Specification Unit.
Keywords	meteorology; weather; atmosphere; aviation; climatology; test; environment; instruments;

DEPARTMENT OF COMMERCE

NATIONAL TELECOMMUNICATIONS AND
INFORMATION ADMINISTRATION

Institute for Telecommunications Sciences
325 Broadway
Boulder, Colorado 80303
(303) 497-5414

Authority Executive Order 12046, which established NTIA in 1977

Application The Institute for Telecommunications Sciences (ITS), the research and engineering arm of the National Telecommunications and Information Administration (NTIA), participates and contributes to both national and international standards activities in radio, telecommunications, data communications, and data processing technologies. ITS members are particularly involved in development of Federal Telecommunication Standards and responsibility for the National Communications System.

Committee Activity ITS participates in the development of voluntary national consensus standards particularly Data Communication Performance through American National Standards Committee, ASC X3, Information Processing Systems. Internationally, ITS members work to develop Recommendations of the International Telegraph and Telephone Consultative Committee (CCITT) and the International Radio Consultative Committee (CCIR); and international standards in ISO, particularly through Technical Committee 97, Information Processing Systems. ITS chairs three CCIR International study groups: Spectrum Utilization and Monitoring, Propagation in Non-ionized Media, and Propagation in Ionized Media. The Institute also chairs three U.S. CCITT preparatory groups: Data Transmission, the International Standard Document Number (ISDN) Joint Working Party, and the ISDN Technical Working Group.

Keywords radio; communications; data processing;

DEPARTMENT OF COMMERCE

U.S. PATENT AND TRADEMARK OFFICE

Office of the Assistant Commissioner for Patents
Washington, D.C. 20231
(703) 557-3070

Authority (1) 35 U.S.C. 6 authorizes the Commissioner of Patents and Trademarks to "establish regulations, not inconsistent with law."
(2) 35 U.S.C. Section 9
(3) 37 CFR 1.52(b)
(4) 37 CFR 1.84(b)

Implementation Manual of Classification, U.S. Patent and Trademark Office (USPTO), a looseleaf book containing a list of all the classes and subclasses of inventions in the USPTO classification system.

Application This classification is used by the USPTO, and any other user of patent information, to classify and retrieve a patent or patent related document in the U.S. Classification system.

Committee Activity The Patent and Trademark Office participates in pertinent committees of the World Intellectual Property Organization, Geneva, Switzerland.

Standardization Activities	Member of Assembly of the Patent Cooperation Treaty in order to provide patent application format and units of weights and measures acceptable in all member countries.
Availability	Published in "Title 37, Code of Federal Regulations" and "Manual of Patent Examining Procedure," both available from U.S. Government Printing Office.
Keywords	patent applications; paper size; metric system; business; general;

DEPARTMENT OF COMMERCE

U.S. PATENT AND TRADEMARK OFFICE

Office of International Patent Classification
 Washington, D.C. 20231
 (703) 557-3756

Implementation	Subcommittee H of American National Standards Committee Z39 specializes in patent matters and sets guidance standards therefore.
Application	Voluntary adoption
Adoption of Nongovernment Standards	Z39 meets with representatives of the U.S. Patent and Trademark Office (USPTO) and other related organizations to discuss and set standards to be used by the USPTO on a voluntary basis.
Committee Activity	The USPTO actively participates in Subcommittee H of Z39.
Standardization Activities	Z39 Subcommittee H (Patent Standards) gives special consideration to the publishing policies and practices of the USPTO in the development of U.S. standards as a result of the position of the USPTO as the primary publisher of U.S. patent literature. Z39 Subcommittee H addresses the practices of foreign publishers of patent data and those organizations in the U.S. who repackage and republish foreign patent data.
Availability	American National Standards Institute
Keywords	patents; patent standards; business;

DEPARTMENT OF COMMERCE

U.S. PATENT AND TRADEMARK OFFICE

Office of Technology Assessment and Forecast
 2021 Jefferson-Davis Highway
 Crystal Plaza 3, Room 2C-33
 Arlington, Virginia 22202
 (703) 557-2982

Implementation	Federal Register
Application	Voluntary adoption
Committee Activity	ANSI Z39
Standardization Activities	Two projects are underway: 1. A study to develop standards for the form and format of patent applications to facilitate data conversion to machine-readable form. The proposed standards will cover all elements of an

application from bibliographic data and text to the specification for drawings and tabular information, and will specify form and formats conducive to optical character recognition processing of the application.

The standards will permit easy data reduction of thousands of patent applications for automated processing in the Patent and Trademark Office.

2. Development of a proposal for Data Base and Data Access Standards for Chemical Structures and related expressions. Standards will cover data base content as well as procedures for expressing chemical compound structures, classifications, indexing, and other search and retrieval standards necessary.

These standards will increase data base scope and facilitate database exchange. They will also make possible joint system and database development with public and private developers of technological databases.

Keywords patents; optical character recognition; database; information processing;

DEPARTMENT OF COMMERCE

U.S. PATENT AND TRADEMARK OFFICE

Trademark Examining Operation
Office of the Director
2011 Jefferson Davis Highway
Arlington, Virginia 22202
(703) 557-3268

Authority 15 U.S.C. 1112, July 15, 1946, Lanham Act Section 30, gives the Commissioner the authority to establish a system of classification of goods and services.

Implementation 37 CFR 2.85 and Part 6, implement the adoption of the International Schedule of classes for goods and services. Classification is the basis for determining the fee which must be paid per application.

Committee Activity U.S. Patent and Trademark Office (USPTO) is a member of the Committee of Experts which is the acting body established by the Nice Agreement. The Committee of Experts meets periodically to revise the International Classification.

Standardization Activities The classification of specific goods and services is set forth in the Alphabetical List entitled "International Classification of Goods and Services for Purposes of the Registration of Marks Under the Nice Agreement", published by the World Intellectual Property Organization (WIPO). This classification list contains the name of each class and the basic contents of the class. The Alphabetical List also comprises explanatory notes which serve as guidelines for determining the appropriate International Class for a specific product or service.

The primary purpose of the International Alphabetical List is to provide a written source for determining proper identifications and classifications of goods and services. The classification lists consist of:

- (1) a list of classes, together with explanatory notes; and
- (2) an alphabetical list of goods and services with an indication of the class into which each of the goods or services falls.

Availability World Intellectual Property Organization, 34 Chemin des Colombettes, 1211 Geneva 20, Switzerland,
UNIPUB, P.O. Box 433, Murray Hill Station, New York, New York 10016.

Keywords International classification Nice Agreement; classification list; trademark classification; business; general;

CONGRESS OF THE UNITED STATES

JOINT COMMITTEE ON PRINTING

S-151, U.S. Capitol
Washington, D.C. 20510
(202) 224-5241

Authority The Joint Committee on Printing (JCP), created by act of August 3, 1846 (9 Stat. 114), is responsible for establishing specification standards for papers used in public printing and binding (44 U.S.C. 509), including that procured from the private sector.

Implementation The Government Paper Specification Standards include approximately 85 individual specifications for writing and printing papers, together with testing and color standards and acceptance criteria.

Application All Government Paper Specification Standards are mandatory for use by all departments of the Federal Government and their field activities in the preparation of procurement documents for paper stocks and in specifying paper stocks to be used in printing, binding, copying, and duplicating, unless otherwise authorized by the Joint Committee on Printing.

Standardization Activities Administered by a Committee on Paper Specifications and its Technical Subcommittee, under the chairmanship of a Joint Committee staff member. Participating agencies include U.S. Government Printing Office, General Services Administration, National Bureau of Standards, and the Department of Defense.

Availability U.S. Government Printing Office

Keywords paper; colors; office products;

CONSUMER PRODUCT SAFETY COMMISSION

PROGRAM MANAGEMENT

Mechanical, Electrical, and Thermal Hazard-Related
Standardization Matters
(301) 492-6554

DIRECTORATE FOR HEALTH SCIENCES

Chemical Hazard-Related Standardization Matters
(301) 492-6957

1111 18th Street NW.
Washington, D.C. 20207

Authority Consumer Product Safety Act (15 U.S.C. 2051 et seq.); Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.); Poison Prevention Packaging Act (15 U.S.C. 1471 et seq.); Flammable Fabrics Act (15 U.S.C. 1191 et seq.); and Refrigerator Safety Act (15 U.S.C. 1211 et seq.).

Implementation	All standards, regulations and policy issuances are to be found within Title 16, Code of Federal Regulations Chapter II, Commercial Practices, Parts 1000 to end. Information on all Consumer Product Safety Commission (CPSC) mandatory product safety standards is published in the Federal Register in Advance Notices of Proposed Rulemaking, Notices of Proposed Rulemaking, and Final Rules.
Application	The Commission enforces all regulations and standards published in 16 CFR Chapter II, Parts 1000 to end. The Directorate for Compliance and Administrative Litigation is the Commission organization responsible for this activity. This Directorate is located at 5401 Westbard Avenue, Bethesda, Maryland. Telephone requests for information on regulatory standards enforcement may be obtained by calling (301) 492-6400. This Directorate is also responsible for enforcement activities under Section 15 of the Consumer Product Safety Act. Reports of information which reasonably supports the conclusion that a product contains a defect which could create a substantial product hazard, as required under Section 15 of the Consumer Product Safety Act, should be made by calling (301) 492-6608 with concurrent notification, in writing, to: Division of Corrective Actions, U.S. Consumer Product Safety Commission, Washington, D.C. 20207.
Adoption of Nongovernment Standards	Amendments to the Consumer Product Safety Act, the Federal Hazardous Substances Act, and the Flammable Fabrics Act enacted by Congress in 1981 encourage reliance on voluntary standards developed by industry or other nongovernmental organizations to reduce risks of injury whenever possible, Sec. 15 U.S.C. 2058, 15 U.S.C. 1262(f), and 15 U.S.C. 1193(g).
Qualification, Certification, or Calibration	Product certification is specifically required by Section 14 of the Consumer Product Safety Act (CPSA) (15 U.S.C. 2063). Manufacturers or private labelers must issue certificates stating that their product meets any applicable consumer product safety standard issued under the CPSA. The Commission may also prescribe testing and labeling requirements by regulation under the authority of Section 14 of the CPSA.
Committee Activity	CPSC participates in a variety of nongovernment and government standardization committees. For specific information on committees with which the Commission is working contact either the Office of Program Management or the Directorate for Health Sciences.
Standardization Activities	<p>The U.S. Consumer Product Safety Commission, an independent Federal regulatory agency, was officially activated on May 14, 1973, to implement the Consumer Product Safety Act, P.L. 92-573. The Commission's primary goal is to substantially reduce injuries associated with consumer products. The Act granted broad authority to issue and enforce safety standards for more than 10,000 consumer products.</p> <p>The Act specifically excludes certain products from the Commission's jurisdiction. Among the excluded products are foods, drugs, cosmetics, boats, aircraft, motor vehicles, and pesticides, most of which are regulated by other Federal agencies.</p> <p>Amendments to the Consumer Product Safety Act enacted in 1981 encourage the development of voluntary consumer product safety standards by industry. The Commission may adopt voluntary standards issued by nongovernmental organizations as mandatory standards or issue mandatory requirements independently. The Commission may ban products which present an unreasonable risk of injury if no safety standard is feasible. The Office of Program</p>

Management and the Directorate for Health Sciences serve as the focal points for standards development within CPSC.

Availability U.S. Government Printing Office

Keywords consumer products; safety; textiles; general;

DEPARTMENT OF DEFENSE

OFFICE OF THE UNDER SECRETARY OF DEFENSE FOR RESEARCH AND
ENGINEERING, ACQUISITION MANAGEMENT, STANDARDIZATION AND
SUPPORT

Defense Materiel Specifications and Standards Office
Two Skyline Place, Suite 1403
5203 Leesburg Pike
Falls Church, Virginia 22041
(703) 756-2337

Authority Title 10, U.S. Code, Chapter 145, Cataloging and Standardization and implemented by DoD Directive 4120.3

Implementation Military and federal specifications, handbooks, engineering practices, standards, and drawings -- over 45,000. Commercial Item Descriptions (CIDs) -- over 150. Adoption of nongovernment standards -- over 3,200.

Application Department of Defense (DoD) standardization documents are used as procurement documents for all types of equipment and commodities, as well as documents that provide selection criteria for items, equipment, engineering practices, etc., used in new design.

Adoption of Nongovernment Standards By the end of 1982, DoD had adopted over 3,200 nongovernmental standards to be used instead of military documents. These private sector documents were developed by a number of nongovernment standards organization including ASTM, SAE, AIA, UL, and others.

Qualification, Certification, or Calibration DoD has developed over 1,200 Qualified Products Lists which describe products that have been examined, tested, and approved as meeting the requirements of applicable specifications.

Committee Activity The Department of Defense participates in numerous intergovernmental and nongovernmental committees to share in the development of both policy and acquisition standardization documents.

Standardization Activities The Defense Standardization and Specification Program (DSSP) is a single, integrated defense-wide program to achieve optimum uniformity among the variety of systems, equipment, materials, engineering practices, operations, and manufacturing processes developed for or used by the DoD. Standards and specifications developed by (or in concert with) nongovernment standards groups are utilized to the maximum extent possible. The adoption of nongovernment standards avoids the preparation of duplicative or overlapping military documents. It is DoD policy to cooperate with the standards organizations operating in other government agencies, as well as, those in the private sector.

Standards and specifications are developed in approximately 100 offices of the DoD whose addresses are listed in the Standardization Directory, SD-1, which is available from the Naval Publications and Forms Center (NPFC).

Also see citation for Interdepartmental Screw Thread Committee.

Availability Naval Publications and Forms Center, IHS, NSA, IMI, Global, and various other private distributors and libraries.

Keywords military equipment; industrial equipment; consumer products; materials; parts; food; clothing; packaging; construction; building; aerospace; medical devices; communications; general; defense;

DEPARTMENT OF ENERGY

BUILDING ENERGY RESEARCH AND DEVELOPMENT

Building Equipment Division
Washington, D.C. 20585
(202) 252-9123

Authority 42 U.S.C. 6291-6309, the Energy Policy and Conservation Act of 1975 (P.L. 940163), as amended by the National Energy Conservation Policy Act of 1978 (P.L. 95-619) provides for the establishment of energy efficiency test procedures and standards for at least 13 categories of major energy consuming appliances and other equipment used in residences.

Implementation Test procedures for 13 categories of covered consumer products have been established in 10 CFR 430, Subpart B. These are for refrigerators and refrigerator-freezers, freezers, dishwashers, clothes dryers, water heaters, room air conditioners, home heating equipment (not including furnaces), television sets, kitchen ranges and ovens, clothes washers, humidifiers and dehumidifiers, central air conditioners, and furnaces. The Department of Energy (DOE) has made formal determinations that energy efficiency standards are not justified for 8 of the 13 categories of products (see 10 CFR 430, Sub-part C).

Application The established test procedures are required, under regulations issued by the Federal Trade Commission (FTC), to be used by manufacturers in the preparation of labels and other representations concerning the energy efficiency of covered products. Manufacturers perform the required tests. Selective government or independent tests may be performed. The Department of Energy would be responsible for the enforcement of any efficiency standards, if established.

Adoption of Nongovernment Standards The established test procedures adopt, by reference, some nongovernment procedures; including procedures established by ANSI, ASTM, ASHRAE, and the Association of Home Appliance Manufacturers (AHAM), among others.

Qualification, Certification, or Calibration Consumer product manufacturers are responsible for the application of the established test procedures, although FTC may perform independent tests to verify manufacturer estimates.

Committee Activity The appropriate staff of DOE and National Bureau of Standards participate in several relevant committees of ASHRAE and the Air-Conditioning and Refrigeration Institute (ARI).

Standardization Activities DOE, with the support of the National Bureau of Standards, is active in the preparation, review, and updating of energy efficiency test procedures and standards for all major energy consuming, residential appliances and equipment. Every effort is made to utilize private consensus standards, if appropriate. A Federal energy efficiency standard or a final determination that no standard is justified preempts State-established energy efficiency standards. States may apply to DOE for exemptions from this rule.

Availability DOE and U.S. Government Printing Office

Keywords energy conservation; energy efficiency; household appliances; buildings; consumer products; energy;

DEPARTMENT OF ENERGY

BUILDING ENERGY RESEARCH AND DEVELOPMENT

Building Services Division
Washington, D.C. 20585
(202) 252-1650

Authority 42 U.S.C. 8211, et. seq., The National Energy Conservation Policy Act of 1978 (P.L. 95-619), as amended by the Energy Security Act of 1980 (P.L. 96-294) authorizes the Department of Energy (DOE) to establish standards to assure the safety and effectiveness of conservation and renewable resource measures included in the Residential Conservation Service (RCS) Program.

Implementation By regulations issued in 1979 and 1980 (44 FR 64602, 45 FR 63432, and 45 FR 63786), DOE established material and installation standards governing a number of measures included in the RCS Program, including vent dampers, wind machines, intermittent ignition devices, and urea-formaldehyde foamed-in-place insulation, among others. By an amended regulation issued on June 25, 1982 (10 CFR 456), DOE eliminated those regulations requiring the adoption of material and installation standards. Continued use of these standards of states or utilities participating in the RCS Program is voluntary.

Application The previously issued material and installation standards continue to be required by a number of states and utilities participating in the RCS Program, although the amended regulation permits the modification of program plans to eliminate such requirements. Under most such implementing plans, suppliers or contractors directly participating in the program are required to observe the established standards. State and local enforcement mechanisms vary.

Adoption of Nongovernment Standards The previously issued material and installation standards incorporated many private standards, including standards established by ANSI.

Availability DOE, U.S. Government Printing Office and National Bureau of Standards (NBS SP 606, Criteria for the Installation of Energy Conservation Measures)

Keywords energy conservation; buildings; safety standards; material and installation standards; insulation; appliances; energy;

DEPARTMENT OF ENERGY

BUILDING ENERGY RESEARCH AND DEVELOPMENT

Building Systems Division
Washington, D.C. 20585
(202) 252-9837

Authority 42 U.S.C. 6831 et. seq., The Energy Conservation Standards for New Buildings Act of 1976, as amended, requires the Department of Energy (DOE) to issue voluntary performance standards for the design of new commercial and residential buildings. Compliance with the standards is only required for the design of new Federal buildings.

Implementation A draft voluntary guideline for energy conservation in manufactured housing has been published by DOE and a Notice of Inquiry requesting public review and comment was published in the Federal

Register May 9, 1983 (48 FR 20866). Voluntary guidelines for energy conservation in new residential buildings and new commercial buildings also will be published, together with notices of public inquiry. Separate publications and notices of proposed rulemaking are planned for the compulsory application of these guidelines to new Federal buildings.

Application	The guidelines for energy conservation in new manufactured housing, new residential, and new commercial buildings are expected to be implemented as a result of voluntary adoption by manufacturers, builders and State and local governments. The guidelines will be applied to new Federal buildings by regulations under the Federal Energy Management Program (10 CFR 436).
Adoption of Nongovernment Standards	The voluntary commercial guidelines under development are expected to reference private standards developed by ANSI, ASTM, ASHRAE, and the Illuminating Engineering Society (IES).
Committee Activity	DOE staff participate in several relevant committees of ASHRAE and the American Institute of Architects.
Standardization Activities	DOE is involved in the preparation and review of the full range of guidelines and standards for energy conservation in new buildings. Relevant guidelines and standards established by nongovernment bodies are used, if appropriate.
Availability	DOE and U.S. Government Printing Office.
Keywords	energy conservation; energy efficiency; buildings; manufactured housing; energy;

DEPARTMENT OF ENERGY

ASSISTANT SECRETARY FOR DEFENSE PROGRAMS

DOE, DP-13.1
Washington, D.C. 20545
(301) 353-3169

Authority	<ol style="list-style-type: none">(1) The Atomic Energy Act of 1954(2) Energy Reorganization Act of 1974(3) Department of Energy (DOE) Reorganization Act of 1977
Implementation	The implementation of standards activities for Defense Programs is through the policy statement of the Assistant Secretary for Defense Programs (ASDP) dated May 28, 1982, and the individual implementation plans prepared by the DOE field organizations. Responsible program officials also involve the use of standards noted under qualification, certification, or calibration.
Application	Standards are used to qualify High Efficiency Particulate Air (HEPA) filters prior to use in DOE facilities.
Standards Qualification, Certification,	<p>The following program known as the HEPA filter program is an example of Defense Program requirements (standards) for the qualification, certification, and calibration of a manufactured product important to Defense Program activities:</p> <p>Calibration standard: F 3-45, Specification for HEPA filters used by DOE Contractors; Certification standard: F 3-43, Quality Assurance Testing for HEPA filters and Canisters; Monitoring and testing: NF 3-42, Operating policy for DOE Filter Test facilities, and NF 3-44, DOE HEPA Test Facilities Quality Control Plans.</p>
Standardization Activities	The above referenced standards are developed and maintained internal to the Department.

Availability Referenced standards are internal DOE documents.

Keywords HEPA filters; nuclear energy;

DEPARTMENT OF ENERGY

ENERGY INFORMATION ADMINISTRATION

Office of Statistical Standards
1000 Independence Avenue SW.
Washington, D.C. 20585
(202) 252-2222

Authority Both the Federal Energy Administration Act and the Department of Energy Organization Act, which established the Energy Information Administration (EIA) as an independent statistical agency, required that the information collected by the agency be evaluated and assessed internally and that the collection methods used be audited. (See P.L. 93-275 and 95-91).

Implementation To evaluate the data and procedures used to collect it, performance standards were needed. A standards program existed since EIA's inception; however, in 1981 it was reorganized and resulted in the adoption of 19 statistical standards and two directives (orders) on model documentation and archival. All standards and orders are mandatory and promulgated for internal EIA use.

Application Standards implementation is monitored by the Office of Statistical Standards (OSS) through the public use forms clearance process, required pre-publication reviews, and independent audits of data collection and processing systems. Order implementation is monitored by requiring submittals of the documentation and archival packages to OSS prior to release.

Committee Activity OSS participates in pertinent committees of the Office of Management and Budget, the American Statistical Association, and the International Statistical Institute.

Standardization Activities Nineteen statistical standards have been developed covering various aspects of data collection and processing, as follows: frames development, frames maintenance, statistical nondisclosure, rounding, formatting name and address entries on survey files, standard respondent identification codes, freezing files, programming, systems development, publication of energy statistics, publishing revisions, documentation of public-use data tapes, graphs, software documentation, adoption of OMB standards, minimizing survey nonresponse, forms design, standardized abbreviations and codes, and adoption of the Federal Information Processing Standards. The two orders cover model documentation and the preparation of model archival packages.

These standards and orders are mandatory for all EIA data systems and models and are intended to assure the quality of the data, while increasing efficiency and responsiveness to EIA's data users and avoiding duplication of effort.

At present no new standards development is anticipated. Instead, the focus is compliance with the existing standards and the two orders and providing technical assistance to offices who request it.

Availability Energy Information Administration, Office of Statistical Standards

Keywords statistics; data collection; data processing; model forecasting; energy;

DEPARTMENT OF ENERGY

ENVIRONMENT, SAFETY, AND HEALTH

1000 Independence Avenue SW.
Washington, D.C. 20585
(202) 353-5644

- Authority** (1) Atomic Energy Act of 1954, as amended
(2) Energy Reorganization Act of 1974
(3) Department of Energy Organization Act of 1977
- Implementation** Prescribed and recommended Environment, Safety, and Health (ES&H) standards (approximately 300) are listed in Order DOE 5480.1A, Chapter I.
- Application** Department of Energy (DOE) Headquarters ES&H program personnel appraise DOE field operations to evaluate conformance with the prescribed ES&H standards. In turn, DOE field operations personnel evaluate DOE contractors to ascertain compliance with the standards. As appropriate, recommendations for improved conformance are made and ameliorative actions are implemented.
- Adoption of Nongovernment Standards** Approximately 65 nongovernment ES&H standards have been adopted as prescribed standards and approximately 135 nongovernment ES&H standards have been adopted as recommended standards. These are primarily from ANSI, NFPA, IEEE, and ANSI.
- Committee Activity** American National Standards Institute, American Nuclear Society, and National Fire Protection Association
- Standardization Activities** Adoption of appropriate voluntary standards for use in DOE activities.
- Availability** U.S. Department of Energy
Office of Operational Safety (EP-32)
Washington, D.C. 20545
- Keywords** environment; safety; health; nuclear; occupational; emergency; fire; transportation; reactor; explosives; energy;

ENVIRONMENTAL PROTECTION AGENCY

ADMINISTRATOR

401 M Street SW.
Washington, D.C. 20460
(202) 382-4700

- Authority** (1) Clean Air Act, P.L. 88-206
(2) Clean Water Act, P.L. 92-500
(3) Comprehensive Environmental Response Compensation and Liability Act (CERCLA), P.L. 96-510
(4) Federal Food, Drug and Cosmetic Act, Sec. 1040
(5) Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), P.L. 92-516
(6) Marine Protection, Research and Sanctuaries Act, P.L. 92-532
(7) Resource Conservation and Recovery Act (RCRA), P.L. 94-580
(8) Safe Drinking Water Act, P.L. 93-523
(9) Toxic Substances Control Act (TSCA), P.L. 94-469
(10) Uranium Mill Tailings Radiation Control Act, P.L. 95-604
(11) Plus amendments thereto and other acts not listed
- Implementation** Environmental Protection Agency (EPA) standards are published in Part 40 of the Code of Federal Regulations (40 CFR). Some standards are mandatory, others voluntary. State and local governments usually have the right to impose standards that are more stringent than those EPA sets.

Application	Standards are applied in various ways including individual permits establishing emissions or effluent limits, product registration, State and local implementation plans, direct reporting to EPA, recordkeeping, on-site inspections, voluntary adoption, etc.
Adoption of Nongovernment Standards	40 CFR refers readers to nongovernmental standards it accepts in lieu of incorporating the standards in the CFR.
Qualification, Certification, or Calibration	EPA samples products and the environment for compliance with its standards. Examples include monitoring motor vehicle emissions, wastewater discharges, new chemicals and pesticides, land fills, ambient air, and drinking water systems. The Agency also reviews manufacturers' requests to label products as "certified to EPA standards."
Committee Activity	Advisory Commission on Intergovernmental Relations; Council on Environmental Quality; Interagency Testing Committee (ITC); National Air Pollution Control Techniques Advisory Committee; National Drinking Water Advisory Council; Environmental Committee of the Organization for Economic Cooperation and Development; Science Advisory Board; U.S. Canada International Joint Commission (on air and water); and others.
Standardization Activities	EPA environmental standards apply to individuals; businesses; Federal, State and local governments; and other organizations. They are intended to ensure clean air and water, safe containment of toxic wastes, protection from excessive radiation, protection of the Nation's waters for fish/wildlife and human use, undue exposure to toxic substances, etc. The following offices are directly involved in standards development and application: Office of Air Radiation, (202)382-7400; Office of Pesticides and Toxic Substances, (202)382-2902; Office of Research and Development, (202)382-7676; Office of Solid Waste and Emergency Response, (202)382-4610; Office of Water, (202)382-5700. These Offices exercise responsibility for standards dealing with water quality, solid and hazardous wastes, pesticides and toxic substances, ambient air, research and development practices, and radiation. The Administrative Procedures Act mandates publication of proposed rules (standards) followed by public comment/hearings prior to promulgating the rule. Usually, once a standard is set, states and other jurisdictions must submit, by a certain date, implementation plans for meeting these standards or face the alternative of having EPA write and impose its own plan.
Availability	Part 40 of the Code of Federal Regulations, available from the Government Printing Office, contains all Agency standards; EPA also publishes both the standards and resulting implementation plans in the Federal Register.
Keywords	environment; air; water; radiation; pollution; toxic substances; hazardous waste; pesticides; chemicals; materials; sanitation;

EXECUTIVE OFFICE OF THE PRESIDENT

U.S. TRADE REPRESENTATIVE

GATT Affairs Office
600 Seventeenth Street NW.
Washington, D.C. 20506
(202) 395-3063

Authority Title IV of the Trade Agreements Act of 1979 (P.L. 96-39, July 26, 1979) on approval of the Agreement on Technical Barriers to Trade (Standards Code).

Implementation	Through the Trade Policy Committee structure, chaired by the Office of the U.S. Trade Representative (USTR), U.S. Government coordination of the implementation and administration of the Standards Code is achieved. USTR works primarily with the Departments of Agriculture, Commerce, and State in this area.
Application	The Trade Policy Staff Committee (TPSC) Subcommittee on Standards meets regularly to approve U.S. positions for meetings of the Committee on Technical Barriers to Trade (established by the Standards Code). The TPSC also approves positions for bilateral standards-related discussions with the Governments of Japan, Germany, France, Canada, and the United Kingdom, as well as with the Commission of the European Communities.
Adoption of Nongovernment Standards	USTR coordinates closely with nongovernmental standards bodies directly and through the Industry Functional Advisory Committee (IFAC) on Standards, which is jointly chaired with the Department of Commerce.
Qualification, Certification, or Calibration	USTR coordinates closely with nongovernmental certification bodies directly and through the IFAC on Standards.
Committee Activity	USTR directly participates in the American National Standards Institute's International Standards Council, and the American Society for Testing and Materials, Council on International Standardization.
Keywords	Standards Code; GATT; international trade; business; general; 1979 Trade Act;

FEDERAL COMMUNICATIONS COMMISSION

SCIENCE AND TECHNOLOGY

1919 M Street NW.
Room 7002
Washington, D.C. 20554
(202) 632-7060

Authority	The Communications Act of 1934, as amended (47 U.S.C. 151) established the Federal Communications Commission (FCC) to regulate interstate and foreign commerce in communications by wire and radio in the public interest.
Implementation	The FCC Rules and Regulations are contained in Title 47 CFR. The Standards are located in the various Parts: 0, 1, 2, 5, 13, 15, 17, 18, 19, 21, 22, 23, 25, 31, 33, 34, 35, 41, 42, 43, 51, 52, 61, 62, 63, 64, 66, 67, 68, 73, 74, 76, 78, 81, 83, 87, 90, and 94.
Application	Since there are many different kinds of standards throughout the Rules, various methods are used to enforce the Rules or Standards. The methods used are: on-site inspections, FCC Laboratory testing, review of test data submitted by applicants, and self verification.
Adoption of Nongovernment Standards	The Commission has adopted nongovernment standards and will continue to do so whenever it is in the public interest. These Standards are referenced in the appropriate Parts of the Rules, and in many cases voluntary standards become mandatory standards when referenced in the Rules and Regulations.
Qualification, Certification, or Calibration	Applicants wishing to establish a radio station, whether it be a broadcast, private, common carriers, or experimental, must submit information showing compliance with the Rules. If the requirements (Standards) are met, a license is issued. As of 1980 the

Commission has issued approximately 1.5 million radio licenses. The Commission also has four equipment authorization programs which issue equipment approvals. The Commission issues approximately 10,000 equipment approvals each year.

Committee Activity	The Commission participates in pertinent organizations and committees which deal with telecommunications standards. Some of these are: Institute of Electrical and Electronics Engineers, American National Standards Institute, Electronic Industries Institute, Radio Technical Commission for Aeronautics, Radio Technical Commission for Maritime Services, International Radio Consultative Committee, Safety of Life At Sea Convention, etc.
Standardization Activities	The Commission participates in international and national Standards organizations developing communication systems and equipment. The Commission provides technical analysis and testing of systems and equipment.
Availability	U.S. Government Printing Office.
Keywords	frequency allocations; radio frequency interference; electromagnetic compatibility; communications;

FEDERAL TRADE COMMISSION

BUREAUS OF COMPETITION AND CONSUMER PROTECTION

General Litigation, BC or Service Industry Practices, BCP
Washington, D.C. 20580
(202) 523-3600 (BC)
(202) 523-3868 (BCP)

Authority	Federal Trade Commission Act, S5, 15 U.S.C. S45. Section 5 of the Federal Trade Commission Act declares unfair methods of competition, and unfair or deceptive acts and practices, in or affecting commerce, to be unlawful.
Adoption of Nongovernment Standards	In preventing unfair or deceptive acts or practices in commerce, the Federal Trade Commission (FTC) may reference standards in trade regulation rules or guides. For example, the Commission incorporated several nongovernment standards by reference in its rule relating to labeling and advertising of home insulation (R-value rule, 16 CFR, part 460).
Standardization Activities	The Commission's Bureau of Competition (BC) and Bureau of Consumer Protection (BCP) investigate standards and certification activities that may unreasonably result in a substantial lessening of competition in violation of the Federal Trade Commission Act. One example would be allegations that a standard or a seal of approval program unreasonably excluded innovative products from the marketplace. They would also investigate allegations that standards or seals of approval are being used deceptively in the sale of products. Recently the Commission proceeded against a seal of approval program that was being used in a manner that misrepresented the safety testing of scuba equipment. If the Commission finds reason to believe that the law may have been violated, it may commence a law enforcement action to enjoin such anticompetitive or deceptive activities and to seek such other relief as may be appropriate. The Commission may, under appropriate circumstances: issue advisory opinions as to the legality of standards or certification practices presented for review; participate in relevant interagency or intergovernmental committees; present its views to appropriate legislative, judicial, or industry entities concerning specific standards or certification issues.
Keywords	antitrust; restraint of trade; anticompetitive practices; competition; unfair methods; innovation; deception; business; general;

GENERAL SERVICES ADMINISTRATION

NATIONAL ARCHIVES AND RECORDS SERVICE

8th and Pennsylvania Avenue NW.
Washington, D.C. 20408
(202) 523-3159

- Authority** (1) 44 U.S.C. 2102-2114, October 22, 1968, the Administrator of General Services, through his appointee The Archivist of the United States, shall provide for the preservation of Federal records of continuing value.
- (2) 40 U.S.C. 471-514, July 1, 1949: Federal Property and Administrative Services Act of 1949. The Administrator shall prescribe such regulations as he deems necessary to effectuate his functions under this Act.
- Implementation** Standards for micrographics are codified as regulations in 41 CFR, Part 101, Subpart 11.5.
- Application** The General Services Administration's National Archives and Records Service (GSA/NARS) requires agencies to produce and maintain microfilm of permanent records according to production and maintenance standards.
- Adoption of Nongovernment Standards** GSA/NARS has adopted ANSI standards for photographic materials as the basis of regulations.
- Qualification, Certification, or Calibration** Agencies are to certify that the permanent record film they produce meets the ANSI standard PH4.8 for residual thiosulfate ion concentration.
- Committee Activities** GSA/NARS participates in pertinent committees of the following: Accredited Standards Committees PH1 (Photographic Films, Plates, and Papers) and PH4 (Photographic Processing Procedures), and Library, Documentation, and Related Publishing Practices (Z39).
- Standardization Activities** GSA/NARS is active in the preparation of standards concerned with the manufacturing, processing, and storing of materials used to maintain permanently valuable information of the Federal Government. This includes paper, film, and magnetic tape. Standards and specifications of national standardizing groups are utilized to the maximum extent. Where they are not adequate, GSA/NARS prepares regulations for Federal agencies.
- Availability** Federal Register
- Keywords** permanent records; preservation; film; paper; magnetic tape; archives; data; photography;

GENERAL SERVICES ADMINISTRATION

OFFICE OF PROCUREMENT

Office of Federal Supply and Services
Commodity Management Division
1941 Jefferson Davis Highway
Crystal Mall Building #4
Washington, D.C. 20406
(703) 557-8470

- Authority** The Federal Standardization Program was developed in compliance with the Federal Property and Administrative Services Act of 1949, 63 STAT. 377, as amended. The program provides for coordination of civil and military standardization functions, so as to

avoid unnecessary duplication, pursuant to the Act and in consonance with the Defense Cataloging and Standardization Act (Secs. 2451-2456, Title 10, U.S.C., superseding P.L. 436).

Implementation	41 CFR 101-29 describes the standardization program under Federal Product Descriptions. Included are Federal specifications, standards, commercial item descriptions, purchase descriptions, and brand-name purchase descriptions. Also included in the program are Qualified Products Lists (QPL's).
Application	Federal product descriptions shall be used by all Federal agencies in the procurement of supplies and services covered by such descriptions, except as provided in 41 CFR 101-29.402 and 41 CFR 101-29.403.
Adoption of Nongovernment Standards	By the end of 1982, the Office of Federal Supply and Services (FSS) had adopted approximately 300 nongovernment standards. Approximately 900 nongovernment documents are invoked by reference. The majority of these are standards developed by American Society for Testing and Materials (ASTM), American National Standards Institute (ANSI), Society of Automotive Engineers (SAE), and Underwriters Laboratories (UL).
Qualification, Certification, or Calibration	The General Services Administration (GSA) Quality Assurance Program handles the inspection and testing, as necessary, of supplies procured under GSA contracts. Through the five regional control divisions and the one regional laboratory, this program provides assurance that material supplied is in compliance with contract specifications.
Committee Activity	The Office of Federal Supply and Services participates in pertinent committees of ASTM and ANSI. In addition, FSS personnel are directly involved in work with 15 other technical organizations.
Standardization Activities	<p>GSA is responsible for establishing policies and procedures, in coordination with other agencies, for the preparation, coordination, approval, issuance, and maintenance of product descriptions in the Federal series.</p> <p>FSS issues and maintains, on a current status, the Federal Standardization Handbook. The Handbook sets forth operating procedures and applicable definitions used in the development of Federal product descriptions under the Assigned Agency Plan described therein.</p> <p>FSS also promulgates and maintains, on current status, the Index of Federal Specifications, Standards, and Commercial Item Descriptions. The Index lists Federal product descriptions which have been printed and distributed, including those which are mandatory for use by all Federal agencies and identifies the sources from which these documents may be obtained. There are approximately 6,000 Federal product descriptions in use, of which 50 percent have been assigned to other agencies.</p>
Availability	General Services Administration, Specification Unit (WFSIA), Regional Office Building, Room 6039, 7th and D Streets SW., Washington, D.C. 20407 (202) 472-2205.
Keywords	federal product descriptions; standards; specifications; commercial item descriptions; qualified products lists; nongovernment documents; general;

HEALTH AND HUMAN SERVICES

CENTER FOR DISEASE CONTROL

National Institute for Occupational Safety and Health
1600 Clifton Road NE.
Atlanta, Georgia 30333
(404) 329-3771

Authority

(1) 29 U.S.C. 651-678, December 29, 1970, Occupational Safety and Health Act (OSH Act), to assure safe and healthful conditions of working men and women; by authorizing enforcement of standards developed under the OSH Act; and for other purposes.

(2) 30 U.S.C. 801, 811, 842(h), December 30, 1969: Federal Coal Mine Health and Safety Act of 1969, as amended by the Federal Mine Safety and Health Act of 1977, to protect the health and safety of miners.

Implementation

Recommended Occupational Safety and Health Standards -- developed by the National Institute for Occupational Safety and Health (NIOSH) Division of Standards Development and Technology Transfer, 4676 Columbia Parkway, Cincinnati, Ohio 45202, telephone (513) 684-8302. Approximately 120 nonmandatory standards have been developed in the form of criteria documents dealing with control of toxic substances in the workplace. These criteria documents are submitted by NIOSH as recommendations to the Department of Labor (DOL) for use in the development of mandatory standards by DOL's Occupational Safety and Health Administration and DOL's Mine Safety and Health Administration.

Performance Standard for Respirators -- developed by NIOSH's Division of Safety Research, Testing, and Certification Branch, 944 Chestnut Ridge Road, Morgantown, West Virginia 26505, telephone (504) 923-4595. A mandatory standard under 30 CFR, Part 11 establishes a performance standard and the procedures for testing and certifying personal protective respiratory equipment.

Application

The Department of Labor is responsible for the promulgation and enforcement of occupational health and safety standards.

Qualification, Certification or Calibration

NIOSH's Division of Safety Research's Testing and Certification Branch is responsible for testing and certifying personal respiratory protective equipment based upon applications submitted by the manufacturers of such equipment.

Standardization Activities

NIOSH employees actively participate in voluntary standard development activities of ANSI, ASTM, and American Conference of Governmental Industrial Hygienists (ACGIH).

Keywords

respiratory protective equipment; toxic substances; workplace standards; safety; public health;

HEALTH AND HUMAN SERVICES

FOOD AND DRUG ADMINISTRATION

Office of Regulatory Affairs
5500 Fishers Lane
Rockville, Maryland 20857
(301) 443-3283

Authority

Federal Food, Drug, and Cosmetic Act, as amended (21 U.S.C. 321-392, 526-528)

Public Health Service Act, as amended (42 U.S.C. 262, 263, 263b-263n, and 361)

Fair Packaging and Labeling Act (15 U.S.C. 1451-1461)

Federal Import Milk Act (P.L. 69-625)

Tea Importation Act (21 U.S.C. 41-50)

Federal Caustic Poison Act (Note: Section 19 of the Federal Hazardous Substances Act (15 U.S.C. 401) repealed the Federal Caustic Poison Act except for any "dangerous caustic or corrosive substance" as defined by the Federal Caustic Poison Act which is subject to the Federal Food, Drug, and Cosmetic Act and not a "hazardous substance" under the Federal Hazardous Substances Act.)

Orphan Drug Act (P.L. 97-414)

Implementation

The Food and Drug Administration (FDA) Center for Food Safety and Applied Nutrition, 200 C Street SW., Washington D.C. 20204, (202) 485-0187, is responsible for:

Color Additives -- Approximately 200 mandatory regulations under 21 CFR, Parts 73, 74, and 82 prescribe identity, specifications, and other conditions under which color additives may be safely used in food, drugs, cosmetics, and devices.

Food Additives -- Approximately 300 mandatory regulations under 21 CFR, Parts 172-179 prescribe identity, specifications, and other conditions under which food additives may be safely used.

GRAS Substances -- Approximately 93 mandatory regulations under 21 CFR, Parts 184 and 186 prescribe identity, specifications, and other conditions under which substances are generally recognized as safe (GRAS) as ingredients added directly or indirectly to human food.

Food Standards -- Approximately 293 mandatory regulations under 21 CFR, Parts 131 through 169 prescribe standards of identity, quality, and fill of container for 21 different classes of foods. Most of these are standards of identity which specify the basic composition of the food.

Other Food Regulations -- A number of other miscellaneous mandatory regulations concerning food for human consumption appear under 21 CFR, Subchapters A, B, and L (e.g., general labeling requirements under Subpart B of 21 CFR, part 1; food labeling under 21 CFR, Part 101; common or usual name for non-standardized foods under 21 CFR, Part 102; quality standards for foods with no standards of identity under 21 CFR, Part 104; infant formula quality control procedures under 21 CFR, Part 105); regulations under the Federal Import Milk Act (21 CFR, Part 1220); and Interstate Conveyance Sanitation (21 CFR, Part 1250).

Cosmetic Regulations -- Approximately 16 mandatory regulations under 21 CFR, Parts 701 and 740 prescribe standards for cosmetic labeling.

Federal Caustic Poison Act -- Approximately 27 mandatory regulations under 21 CFR, Part 1230 prescribe labeling requirements, methods of analysis, and other conditions for enforcement of the Federal Caustic Poison Act.

Control of Communicable Diseases -- Approximately 19 mandatory regulations under 21 CFR, Part 1240 concern control of communicable diseases.

FDA's Center for Drugs and Biologics, 5600 Fishers Lane, Rockville, Maryland 20857, (301) 443-7281, develops standards and regulations for:

Insulin and Antibiotics -- Approximately 707 mandatory regulations under 21 CFR, Parts 429-460 prescribe standards, tests, and methods of assay for insulin and antibiotic drugs.

Over-the-Counter (OTC) Drugs -- Three mandatory regulations (monographs) under 21 CFR, Parts 331, 332, and 357 prescribe specifications and conditions under which three therapeutic categories of OTC drugs are generally recognized as safe and effective. Regulations are under development for approximately 22 additional therapeutic categories of OTC drugs.

Biological Product -- Approximately 325 mandatory regulations appear under 21 CFR, Subchapter F concerning labeling, standards, testing, and other conditions under which bacterial and viral vaccines, toxoids, antitoxins, blood, and blood derivatives, allergenic products, and other biological products can be safely used.

FDA's Center for Devices and Radiological Health, 5600 Fishers Lane, Rockville, Maryland 20857, (301) 443-4303, prepares:

Procedures for Performance Standards Development -- Approximately 13 mandatory regulations under 21 CFR, Part 861 prescribe the procedures for initiation, development, establishment, amendment, and revocation of performance standards applicable to devices intended for human use.

Device Classification Procedures -- Approximately 14 mandatory regulations under 21 CFR, Part 860 prescribe the criteria and procedures governing the classification and reclassification of devices intended for human use into one or more of three regulatory classes: class I (general controls), class II (performance standards), and class III (premarket approval).

Device Classification Regulations -- FDA is developing mandatory regulations to classify all medical devices intended for human use into one or more of these three classes depending upon the regulatory controls needed to provide reasonable assurance of their safety and effectiveness. Approximately 943 mandatory device classification regulations appear under 21 CFR, Parts 864-892 (approximately 791 additional mandatory device classification regulations have been published as proposed rules but have not yet been published as final regulations).

Other Device Regulations -- A number of other miscellaneous mandatory device regulations appear under 21 CFR, Subchapter H (e.g., general labeling requirements under 21 CFR, Part 801; exemptions from Federal preemption of State and local medical device requirements under 21 CFR, Part 808; invitro diagnostic products for human use under 21 CFR, Part 809; investigational device exemptions under 21 CFR, Part 812; and investigational exemptions for interocular lenses under 21 CFR, Part 813).

Performance Standards for Ionizing Radiation Emitting Products -- Approximately 6 mandatory regulations under 21 CFR, Part 1020 prescribe standards to control the emission of radiation from microwave ovens.

Performance Standards for Light Emitting Products -- Approximately 4 mandatory regulations under 21 CFR, Part 1040 prescribe standards to control the emission of radiation from lasers, sunlamps, and other light-emitting products.

Performance Standards for Sonic, Infrasonic, and Ultrasonic Radiation-Emitting Products -- One mandatory regulation under 21 CFR, Part 1050 prescribes standards to control the emission of radiation for ultrasonic therapy products.

Other Radiological Health Regulations -- A number of other mandatory and nonmandatory regulations appear under 21 CFR, Subchapter J (e.g., general provisions and radiation protection recommendations under 21 CFR, Part 1000; importation of electronic products under 21 CFR, Part 1005; performance standards for electronic products: general under 21 CFR, Part 1010).

FDA's Center for Veterinary Medicine, 5600 Fishers Lane, Rockville, Maryland 20857, (301) 443-3450, is responsible for:

Food Additives Permitted in Feed and Drinking Water of Animals -- Approximately 49 mandatory regulations under 21 CFR, Part 573 prescribe identity, specifications, and other conditions under which food additives may be solely used in feed and drinking water of animals.

New Animal Drugs -- Approximately 633 mandatory regulations under 21 CFR, Parts 520-555 and 558 prescribe identity, specifications, testing, and other conditions for safe use of new animal drugs.

Tests for Specific Antibiotic Dosage Forms -- Approximately 18 mandatory regulations under 21 CFR, Part 536 prescribe tests for specific antibiotic dosage forms of new animal drugs.

Other Animal Drugs, Feeds, and Related Products Regulations -- A number of other miscellaneous mandatory regulations concerning animal drugs, feeds, and related products appear under 21 CFR, Subchapter E (e.g., animal food labeling under 21 CFR, Part 501; and tolerances for residues of new animal drugs in food under 21 CFR, Part 556).

Application

To determine that FDA-regulated products are in compliance with statutes, FDA conducts inspections of manufacturing establishments (28,595 in FY83), collects and analyzes domestic samples (29,734 in FY83) and import samples (20,032 in FY83), and conducts wharf examinations of products in import channels of trade (57,486 in FY83). Samples collected are analyzed at FDA field and headquarters laboratories.

Adoption of Nongovernment Standards

By the end of 1983, FDA had adopted more than 300 nongovernment standards. The majority of these are ASTM, Association of Official Analytical Chemists (AOAC), Food Chemicals Codex, and American Public Health Association. In addition to these nongovernment standards, 21 U.S.C. 352(b) and 352(g) mandate that FDA use standards in an "official compendium" such as the United States Pharmacopeia.

Qualification, Certification, or Calibration

Color additives (unless the color is specifically exempted) and insulin are batch-certified by FDA prior to marketing. Most biological products are required by regulation to be tested by FDA prior to release of each lot of product. With few exceptions (e.g., cosmetics), most FDA-regulated products are subject to preclearance by FDA before they may be marketed.

Committee Activity

FDA participates in the standardization activities of the following organizations:

ANSI (16 committees, 27 subcommittees)
ASTM (16 committees, 22 subcommittees)
AAMI (19 committees)
ASME (1 committees, 3 subcommittees)

NCCLS (10 committees, 24 subcommittees)
 American College of Radiology (6 committees)
 IEEE (2 committees)
 Acoustical Society of America (2 committees)
 IEC (5 Technical Committees)
 ISO (3 Technical Committees)
 International Organization for Legal Metrology (OIML), U.S. Technical Advisory Group for SP26
 Codex Alimentarius (FAO/WHO) (16 committees)

Standardization Activities The broad scope of FDA's involvement in standardization activities is reflected by the programmatic CFR listings above under Implementation and the partial listing under Committee Activities. Since May 27, 1975, FDA has regulated and encouraged participation of its employees in outside standard setting activities (the current regulation appears under 21 CFR 10.95). It is FDA policy to use and cite in its regulations nongovernment standards whenever possible and consistent with FDA's statutory mandates to protect the public health.

Availability FDA regulations are published in the Code of Federal Regulations available from the Government Printing Office. Each FDA regulation that incorporates by reference test methods or other materials also lists the complete address from which copies may be obtained.

Keywords food; food additives; color additives; cosmetics; human drugs; animal drugs; biologics; medical devices; radiation protection; electronic product radiation; safety; public health; consumer products;

HEALTH AND HUMAN SERVICES

HEALTH CARE FINANCING ADMINISTRATION

1849 Gwynn Oak Avenue
 Baltimore, Maryland 21207
 (301) 594-5547

Authority Titles XVIII and XIX of the Social Security Act.

Implementation 42 CFR, Subchapters B and C. Regulations addressing the survey and certification of health care facilities wishing to participate in the Medicare and Medicaid programs.

Application State survey agencies and Health Care Financing Administration (HCFA) regional offices apply procedures set forth in these regulations in determining a facility's eligibility for certification and in making certification decisions.

Committee Activity HCFA works closely with Association of State and Territorial Health Officials, Association of Health Facility Licensure and Certification Directors, and various consumer and industry groups in developing its standards.

Standardization Activities HCFA standards apply to the survey and certification of all health care facilities wishing to participate in the Medicare and/or Medicaid programs. Having standard procedures assures national uniformity in approving facilities for Medicare/Medicaid reimbursement.

Availability Standards are available from the Government Printing Office and Health Care Financing Administration's Office of Public Affairs.

Keywords Medicare; Medicaid; survey and certification; health care providers and suppliers; State survey agencies; health care; facilities management; insurance;

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

ASSISTANT SECRETARY FOR HOUSING - FEDERAL HOUSING
COMMISSIONER

Office of Manufactured Housing and Construction Standards
451 Seventh Street SW.
Washington, D.C. 20410
(202) 755-5210

Authority	<p>(1) Minimum Property Standards (MPS) - Sec. 7(d) of the Department of Housing and Urban Development Act of 1965, 79 Stat. 670; 42 U.S.C. 3535 (d); Sec. 211, 52 Stat. 23; 12 U.S.C. 1715b and 81 Stat. 54; 5 U.S.C. 522(a).</p> <p>(2) Technical Suitability of Products Program - Sec. 521 of the National Housing Act was added by Sec. 216 of the Housing and Urban Development Act of 1965, Public Law 89-117.</p> <p>(3) Manufactured Housing - Section 7(d), Department of Housing and Urban Development Act, 42 U.S.C. 3535(d), Title VI, Housing and Community Development Act of 1974 (42 U.S.C. 5401).</p>
Implementation	<p>All standards are codified as regulations and are mandatory. The MPS, which include as supplements product acceptance under Sec. 521 and the Department of Housing and Urban Development (HUD) Building Products Certification Programs, are incorporated by reference in 24 CFR, Part 200 Subpart S, Sections 200.925, 200.927, 200.929, 200.931, 200.933, 200.935 with an Appendix. Manufactured Home Construction and Safety Standards are in 24 CFR Parts 3280, 3282 and 3283.</p>
Application	<p>Design drawings are reviewed for compliance, and inspectors visit site development and manufacturing facilities for construction or manufacturing compliance. The MPS are only applicable for HUD mortgage or loan insurance and low-rent public housing programs. The Manufactured Home Standards are applicable for all manufacture homes which are designed to be used as dwelling units.</p>
Adoption of Nongovernment Standards	<p>Nongovernment standards are invoked by reference or adoption whenever possible. There are approximately 500 nongovernment standards referenced in the Minimum Property Standards and supplemental standards issued under the Technical Suitability of Products Program. The Manufactured Housing Program Standards contain 200 nongovernment standards. Principal developers of these standards include the American Society for Testing and Materials (ASTM), American National Standards Institute (ANSI), American Concrete Institute (ACI), American Plywood Association (APA), American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), and Architectural Aluminum Manufacturers Association (AAMA).</p>
Qualification, Certification, or Calibration	<p>Proponents of new building products or systems submit technical data for analysis under the Technical Suitability of Products Program. Upon a determination of suitability, a Materials Release is issued for products and a Structural Engineering Bulletin for building systems. These documents supplement the MPS to include these products for national acceptance. Use of Materials Bulletins are issued either as an interim HUD standard for a particular class of like products, such as carpet, or as a means of promulgating a certification program for a product. To date, 1,131 Engineering Bulletins, 1,100 Materials Releases, 130 Use of Materials Bulletins, and 13 Certification Programs have been issued.</p> <p>Under the Manufactured Housing Program all designs and product certifications and listings are approved by HUD accepted design approval agencies. All manufactured homes are inspected by HUD</p>

accepted inspection agencies for conformance to the approved design, certifications, and listings and Federal standards. An average yearly production for manufactured homes is 250,000 units.

HUD encourages industry policing and self certification for those materials covered by product standards and Federal Specifications. It also requires third party certification in conformance with criteria set out in 24 CFR 200.935 for lumber, plywood, carpet, windows, plastic bathtubs, etc.

**Committee
Activity**

HUD staff participate in pertinent committees that include the following: Council of American Building Officials (CABO), International Conference of Building Officials (ICBO), Building Officials and Code Administrators (BOCA), Southern Building Code Congress International (SBCCI), ASTM, National Conference of States on Building Codes and Standards (NCSBCS), ACI, American Lumber Standards Committee (ALSC), ANSI, ASHRAE, U.S./Japan Panel on Wind and Seismic Effects, National Academy of Sciences, and National Institute of Building Sciences (NIBS).

**Standardization
Activities**

The Office of Manufactured Housing and Construction Standards writes, updates, revises, and clarifies construction and design standards for HUD-associated residential construction. This activity grew out of the National Housing Act of 1934 and Sec. 7(d) Department of Housing and Urban Development Act, 42 U.S.C. 3535(d), Title VI, Housing and Community Development Act of 1974. The Code of Federal Regulations reference is Title 24 Housing and Urban Development.

The Minimum Property Requirements as originally established in 1935 were intended to provide the minimum essentials for a property to be considered economically sound security for Federal Housing Administration (FHA) mortgage insurance purposes. They were to establish and describe those characteristics of a property which will produce present and continuing utility, livability, durability, marketability, economy of maintenance, and a safe and healthful environment.

In 1940, the FHA issued the Minimum Requirements for Rental Housing covering multifamily units, while Property Standards and Minimum Construction Requirements for Dwellings applicable to single family dwellings were published in 1942. These were reissued after World War II under the title: Minimum Property Requirements for Properties of Three or More Living Units, and Minimum Property Requirements for Properties of One or Two Living Units. Another reissue took place in 1958 for the One and Two Living Units MPS and in 1963 for the Multifamily Housing MPS. Since then, these standards have been revised numerous times to stay current with evolving technology.

Criteria and standards have also been developed for nursing homes, swimming pools, housing for the elderly, mobile home parks, community water supply systems, community sewerage disposal systems, as well as, guidelines that included urban renewal rehabilitation, noise abatement, and numerous other areas associated with residential construction and a manual of acceptance practice.

In 1974 the National Mobile Home Construction and Safety Standards Act was enacted by Congress to reduce the number of personal injuries and deaths and the amount of insurance costs and property damage resulting from mobile home accidents and to improve the quality and durability of mobile homes. All mobile homes/manufactured housing built since June 15, 1976 must be in compliance with the requirements of this Act. The standards cover all equipment and installations in the design,

construction, fire safety, plumbing, heat producing, and electrical systems of manufactured homes which are designed to be used as dwelling units.

Availability Minimum Property Standards are sold by the U.S. Government Printing Office. Manufactured Housing Standards are available from HUD, Office of Manufactured Housing and Construction Standards.

Keywords manufactured homes; mobile homes; certification; residential; mortgage insurance; building; sanitation; safety; wood products;

INTERDEPARTMENTAL SCREW THREAD COMMITTEE (Defunct)

Replaced by

DEFENSE INDUSTRIAL SUPPLY CENTER
ATTN: DISC-ECF
700 Robbins Avenue
Philadelphia, Pennsylvania 19111
(215) 697-2735

The Defense Industrial Supply Center (DISC) replaced the Interdepartmental Screw Thread Committee (ISTC) as preparing activity for the Screw Thread Standards for Federal Services in 1976. Following this transfer, the National Bureau of Standards Handbook H28, which consisted of 3 volumes of screw thread standards, was converted to a basic cover document, FED-STD-H28, and individually issued sections FED-STD-H28/1, FED-STD-H28/2, ..., FED-STD-H28/22. Each section is coordinated with Military Activities, Federal Agencies, and industry associations prior to approval by the General Services Administration.

DISC works closely with the American National Standards Institute (ANSI) Accredited Committee B1 of the American Society of Mechanical Engineers (ASME) which produces the inch and metric screw thread standards for general use by industry. ANSI/ASME B1 and other industry standards are incorporated into equivalent sections of FED-STD-H28 rather than duplicating industry standards as had been the practice in the old Handbook H28.

Keywords fasteners; metric; manufacturing;

DEPARTMENT OF THE INTERIOR

MINERALS MANAGEMENT SERVICE

Offshore Rules and Operations Division, Branch of Rules, Orders, and Standards
12203 Sunrise Valley Drive
Mail Stop 646
Reston, Virginia 22091
(703) 860-7564

Authority The Outer Continental Shelf Lands Act, 43 U.S.C. 1331 et seq., provides for the jurisdiction of the United States over the submerged lands of the Outer Continental Shelf (OCS), authorizes the Secretary of the Interior to lease such lands for the development and production of oil and gas, provides for the establishment and enforcement of safety regulations for oil and gas operations, and provides for environmental studies directed towards minimizing the impact of such operations.

Implementation Approximately 200 mandatory requirements are codified as regulations in 30 CFR, Parts 250, 251, 252, and 256. These regulations are for oil and gas operations, geological and

geophysical explorations, an information program, and for the management of pipeline rights-of-way. The regulations are supplemented by OCS Orders for each of the four OCS regions.

Application	Inspectors visit offshore operators on the OCS to see that safety requirements are followed. Minerals Management Service (MMS) personnel review required reports from lessees to ensure that drilling and production personnel are properly trained, prepared to implement safety contingencies, and that all produced oil gas is properly measured.
Adoption of Non-Government Standards	The MMS currently incorporates by reference or has adopted 1978 nongovernment standards. This number is to be reduced to 46 standards under a regulatory reform program. The majority of these standards were developed by the American Petroleum Institute and the American Society for Testing and Materials.
Committee Activity	The MMS participates in pertinent committees of the American Society of Mechanical Engineers, American Petroleum Institute, American Welding Society, American Society of Civil Engineers, American Concrete Institute, American Society for Quality Control, and the American Bureau of Shipping.
Standardization Activities	The MMS participates in the preparation of the full range of engineering material and operational standards concerning offshore drilling and production of oil and gas. These standards include structural requirements for offshore platforms, training requirements for personnel, and assembly methods such as welding and equipment requirements. Many of these standards are used internationally.
Availability	MMS Regulations and OCS Orders are sold by Government Printing Office and MMS.
Keywords	oil and gas exploration; continental shelf; offshore platforms; energy; safety;

DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Information Systems Division
Office of Data Administration
806 National Center
Reston, Virginia 22092
(703) 860-6086

Authority	43 U.S.C. 31, March 3, 1879 (USGS Organic Act), establishes the Geological Survey basic mission.
Implementation	A Memorandum of Understanding with the National Bureau of Standards (NBS) dated February 1980 gives the U.S. Geological Survey (USGS) key agency responsibility for Federal digital data standards in the earth sciences (geology, hydrology, cartography, geography).
Application	The USGS Data Standards Committee decides on applicable standards and their priority and establishes work groups to draft such standards, has them reviewed, and forwards them to National Bureau of Standards (NBS) as proposed Federal Information Processing Standards (FIPS).
Adoption of Nongovernment Standards	The USGS works with various professional organizations in the development of pertinent standards and uses them as much as possible. The organizations include: the American Public Health Association, American Water Works Association; Water Pollution Control Federation; American Association of Petroleum Geologists;

American Society for Testing and Materials; Association of Official Analytical Chemists; Instrument Society of America; International Standards Organization; International Electrotechnical Commission; American Commission on Stratigraphic Nomenclature.

Committee Activity The USGS participates in pertinent committees of ANSI, ISO, and the U.S. Geographic Names Committee.

Standardization Activities A long-term program has been established to develop pertinent standards for data elements and their representation (name, definition, units of measure, digital coding methodology) in the earth sciences. After acceptance by the USGS and Department of the Interior, each standard is published as a USGS circular and sent to NBS as a proposed FIPS. Certain standards proposed as a FIPS will also be introduced into the ANSI processes as proposed national standards. The USGS recommends that established standards be used in all new and developing systems. All existing data systems should be modified in accordance with the standards at such time that future redesign or modification to the systems take place. To date, two standards have been accepted at USGS and proposed as FIPS: Codes for the Identification of Hydrologic Units in the United States and the Caribbean Outlying Areas, Geological Survey Circular 878-A, and Specifications for Representation of Geographic Point Locations for Information Interchange, Geological Survey Circular 878-B.

Availability USGS Public Inquiries Offices; the USGS Branch of Distribution, 604 South Pickett Street, Alexandria, Virginia 22304; the USGS Data Administrator.

Keywords earth sciences; geology; hydrology; cartography; topography; geography; data processing;

DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

National Mapping Division
Office of Geographic and Cartographic Research
521 National Center
Reston, Virginia 22092
(703) 360-6276

Authority (1) 43 U.S.C. 31, March 3, 1879 (USGS Organic Act),
(2) Memorandum of Understanding, signed February 1980 by the National Bureau of Standards (NBS) and U.S. Geological Survey (USGS), assigns to the USGS the leadership in developing and maintaining earth-science data element and representation standards for use in the Federal establishment. The National Mapping Division (NMD) role is to develop and maintain digital cartographic data standards.

Implementation Digital cartographic data standards will be promulgated by issuance of USGS reports when approved for use within the USGS, and by publication as a Federal Information Processing Standard (FIPS) by NBS when approved for use throughout the Federal establishment.

Application Use is mandatory (within the USGS or the Federal establishment, depending upon level of approval) for all new and developing systems that utilize data elements and representations described by the standard. All existing data systems will be modified in accordance with the standards at such time that future redesign and modifications to the system take place.

Committee Activity The NMD participates in the National Committee for Digital Cartographic Data Standards (NCDCDS), which operates under the auspices of the American Congress on Surveying and Mapping. The NCDCDS is charged with recommending digital cartographic data standards to the USGS for adoption as Geological Survey standards and FIPS.

Standardization Activities In addition to supporting the work of the NCDCDS to develop national digital cartographic data standards, the NMD has assembled and published as USGS Circular 895 (USGS Digital Cartographic Data Standards) the specification documents and user guides that have been developed to govern the collection, archiving, and distribution of USGS digital cartographic data. The Circular was published to serve as a benchmark and to assist ongoing efforts to establish acceptable standards for digital cartographic data for Federal agencies and the public.

In the NMD effort to develop digital cartographic data standards for the Federal establishment, the standards recommended by the NCDCDS will be used to the maximum extent possible.

Availability USGS Circular 895 available from USGS Branch of Distribution, 604 South Pickett Street, Arlington, Virginia 22304.

Keywords cartography; geography; digital cartographic data; digital line graph; data processing;

DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Water Resources Division
Geological Survey National Center
Reston, Virginia 22092
(703) 860-6031, FTS 928-6031

Authority 43 U.S.C. 31, March 3, 1879 (USGS Organic Act)

Implementation U.S. Geological Survey (USGS) guideline documents for the collection and analysis of surface-water and ground-water data include:

USGS Bulletin 17B, Guidelines for Determining Flood Flow Frequency; USGS Water Supply Paper No. 2175, Measurement and Computation of Streamflow: Volume 1. Measurement of Stages and Discharge; USGS Circular 878-A, Codes for the Identification of Hydrologic Units in the United States and the Caribbean Outlying Areas; USGS Techniques of Water-resources Investigation; and USGS National Handbook of Recommended Methods for Water-Data Acquisition.

Nongovernment publications serving as guidelines include: Standard Methods for the Examination of Water and Wastewater, promulgated by the American Public Health Association, American Water Works Association, and Water Pollution Control Federation; American Society for Testing and Materials standards; Official Methods of Analysis, of the Association of Official Analytical Chemists; and ISA-RP31.1, Specification, installation, and calibration of turbine flow meters, of the Instrument Society of America.

Ten ISO standards are also used as guidelines.

Application Standards are voluntarily adopted by the Water Resources Division (WRD). All WRD offices and laboratories are reviewed on a scheduled basis and all quality assurance programs must reference the standards.

**Adoption of
Nongovernment
Standards**

Fifteen nongovernment standards have been adopted by WRD. The majority of these are by the ISO.

**Committee
Activity**

WRD participates in pertinent committees of the following: Interagency Advisory Committee on Water Data, Water Resources Committee on Sediment Data, U.S. Geological Survey/National Oceanic and Atmospheric Administration/ Bureau of Land Management Coordinating Committee, U.S. Geological Survey/Environmental Protection Agency Coordinating Committee, American Water Works Association, American Water Resources Association, American Society for Testing and Materials, American National Standards Institute, American Public Health Association, American Society of Civil Engineers, International Organization for Standardization (ISO) and the World Meteorological Organization (WMO).

**Standardization
Activities**

The USGS, as part of its implementation of OMB Circular A-67, has designated the Office of Water Data Coordination (OWDC) within WRD to identify methods used to acquire water data and to recommend methods for use by Federal agencies. The OWDC accomplishes this with the advice and guidance of an advisory committee composed of representatives of Federal agencies involved in the acquisition and/or use of water data.

This activity is an outgrowth of the efforts of an interagency work group, which was designated by the Federal Advisory Committee on Water Data in 1970 in an effort to obtain better coordination and quality control of water data acquired by Federal agencies. The work group issued in December 1972 the report Recommended Methods for Water-Data Acquisition which lists recommended methods in six categories. With this as a base, an ad hoc subcommittee of the Federal Advisory Committee on Water Data formulated the current procedure for the continued identification and recommendation of water-data acquisition methodologies. The identification of methods is accomplished through working groups which are responsible for specific areas of concern, such as ground-water quantitative methods, biologic and bacteriologic quality of surface and ground water, soil moisture, etc. The methods identified by the work groups, together with their recommendations, are reviewed by the Coordinating Council and then issued as a chapter, or a part thereof, in a looseleaf handbook. The work groups are responsible for the continued review of methodologies in their area of concern.

Where standards, methods, or guidelines do not exist in the field of hydrology, WRD develops them to assure the reproducibility of analytical results and to give quality assurance to the programs and projects within WRD. WRD actively participates on the Geological Survey's interagency data Standards Committee to identify the standards used within the Geological Survey.

Availability

Government Printing Office, and USGS Public Inquiries Offices.

Keywords

hydrology; surface water; ground water; water quality; data processing; public health,

DEPARTMENT OF JUSTICE

NATIONAL INSTITUTE OF JUSTICE

Technology Assessment Program

see DEPARTMENT OF COMMERCE

NATIONAL BUREAU OF STANDARDS

National Engineering Laboratory
Law Enforcement Standards Laboratory

DEPARTMENT OF LABOR

MINE SAFETY AND HEALTH ADMINISTRATION

4015 Wilson Boulevard
Arlington, Virginia 22203
(703) 235-1910

Authority	30 U.S.C. 811, November 9, 1977, The Mine Safety and Health Act of 1977, to provide for the health and safety of workers in the mining industry.
Implementation	Several hundred safety and health regulations are codified in 30 CFR, Chapter I. These requirements include specifications for obtaining approval of certain equipment used in mines, required work practices, and maximum exposure levels to hazardous substances.
Application	Federal inspectors visit mine sites to see that the health and safety standards are followed, and the standards are also applied through voluntary compliance. The standards also establish procedures and requirements for application within the Mine Safety and Health Administration (MSHA). MSHA also tests for approval and certification of certain products for use in potentially explosive underground mine atmospheres.
Adoption of Nongovernment Standards	At the end of 1983, MSHA had adopted about 55 nongovernment standards. The majority of these standards were developed by the American Conference of Governmental Industrial Hygienists (ACGIH), the American National Standards Institute (ANSI), the American Society of Mechanical Engineers (ASME), the National Fire Protection Association (NFPA), and the Society of Automotive Engineers (SAE).
Qualification, Certification, or Calibration	Manufacturers of certain equipment for use in underground mines with potentially explosive atmospheres must submit their equipment to MSHA for approval and certification.
Committee Activity	MSHA has technical experts who participate on committees of the following: American National Standards Institute; American Conference of Governmental Industrial Hygienists; Institute of Electrical and Electronics Engineers; and National Fire Protection Association.
Standardization Activities	MSHA's standards are directed at improving the occupational safety and health of workers in the mining industry. These standards concern safe work practices, maximum exposure levels to hazardous substance or potentially harmful conditions, and performance criteria for the design of certain types of mining equipment. In 1983, MSHA's standards affected the working conditions of over 370,000 miners.
Availability	Sold by Government Printing Office and through a loose-leaf service offered by the Bureau of National Affairs, the Mine Safety and Health Reporter. Copies of specific standards may also be obtained directly from MSHA.
Keywords	coal mining; metal and nonmetal mining; underground mines; surface mines; equipment approval for gassy mines; energy; industrial equipment; health care; safety; testing;

DEPARTMENT OF LABOR

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

Directorate of Safety Standards Programs
200 Constitution Avenue NW.
Washington, D.C. 20210
(202) 523-8061

Authority	Occupational Safety and Health Act of 1970, PL 91-596
Implementation	29 CFR, Part 1910 -- Occupational Safety & Health Standards for General Industry; 29 CFR, Part 1915 -- Occupational Safety & Health Standards for Shipyard Employments; 29 CFR, Part 1917-1918 -- Occupational Safety & Health Standards for Marine Terminals; Longshoring; 29 CFR, Part 1926 -- Construction Safety & Health Standards; 29 CFR, Part 1928 -- Occupational Safety & Health Standards for Agricultural Employments.
Application	Inspection of the workplace
Adoption of Nongovernment Standards	American National Standards Institute (ANSI) National Fire Protection Association (NFPA)
Qualification, Certification, or Calibration	Throughout the OSHA standards, there are requirements for certain equipment to be listed, labelled, or approved by nationally recognized testing laboratories.
Committee Activity	National Advisory Committee on Occupational Safety and Health Standards Advisory Committee on Construction Safety and Health American National Standards Institute National Fire Protection Association American Society for Testing and Materials International Labor Organization
Standardization Activities	<p>The Occupational Safety and Health Administration (OSHA) develops and enforces occupational safety and health standards to provide protection to the nation's workers on their job. The standards are directed at the various hazards in which workers may be exposed. The purpose of the act is "to assure so far as possible every working man and woman in the nation safe and healthful working conditions and to preserve our human resources." OSHA adopted its initial standards on May 29, 1971 and they consisted of national consensus standards and the Federal standards that were already in effect under other Department of Labor administered laws.</p> <p>OSHA develops and promulgates occupational safety and health standards and issues regulations necessary for assuring compliance with its standards and regulations. The Directorates of Safety Standards Programs and Health Standards Programs have the main responsibility in carrying out these functions. When either of the Directorates determines a need, on the basis of information submitted by interested parties, scientific data from the field, or experience gained under other health and safety laws, the appropriate Directorate will develop new standards, revoke or modify existing standards using one of two procedures available. All regular proposals to promulgate, modify, or revoke an Occupational Safety and Health standard using the 6(b) procedure must be published in accordance with Administration Procedures Act (APA) requirements in the Federal Register to afford interested parties an opportunity to comment before the standard becomes effective or is revoked. A temporary emergency standards procedure (6(c) procedure) may be used to promulgate standards where the APA procedures are waived. Such a temporary emergency standard must be replaced by a 6(b) standard within 6 months.</p>

In developing new standards or modifying standards, the Directorates of Safety or Health Standards determine whether there is a need for the establishment of a standards advisory committee to assist them in the standards-setting function. Once it is determined there is a need for a committee, one is appointed which consists of 5 to 15 members and is composed of representatives of management, labor, state and Federal governments and the public. Advisory committee meetings are opened to the public and a transcript is made available for public review.

OSHA standards are contained in Title 29 of the Code of Federal Regulations: (1) General Industry, Part 1910, (2) Maritime, Parts 1915, 1917, and 1918, (3) Construction, Part 1926, and (4) Agriculture, Part 1928.

Availability Publications Office, OSHA, and Government Printing Office

Keywords safety; environment; electrical equipment; manufacturing; construction; shipyards; agriculture transportation; business;

LIBRARY OF CONGRESS

AUTOMATED SYSTEMS OFFICE

10 First Street SE.
Washington, D.C. 20540
(202) 287-5114

Implementation As part of the Library of Congress (LC) two-year pilot program involving all forms of optical disks, a task has been established to track the emerging standards in this area, document these, identify those areas in which the lack of standards presents problems in information interchange on optical disk, and share findings with other research libraries and related institutions with which the Library would be likely to engage in such information interchange.

Availability An aperiodic series of reports are planned as well as publication of findings in the open literature.

Keywords optical disk; videodisc; digital storage; magneto-optical disks; information processing; optics;

LIBRARY OF CONGRESS

NATIONAL LIBRARY SERVICE FOR THE BLIND AND PHYSICALLY HANDICAPPED

1291 Taylor Street NW.
Washington, D.C. 20542
(202) 287-5100

Implementation (1) Published the guidance document, Published Approved Recommendations on Working Out National Standards of Library Service for the Blind, August 1983. This was compiled and adopted by the Standards Development Committee, Section of Libraries for the Blind, International Federation of Library Associations.

(2) Published the guidance document Standards of Service for the Library of Congress Network of Libraries for the Blind and Physically Handicapped, revised 1984. This was developed and adopted by the Association of Specialized and Cooperative Library Agencies, a division of the American Library Association.

Application The recommendations on Working Out National Standards are used by member countries in developing library service to the blind and

in promoting international standards of service. The Standards of Service are used in evaluating the quality of library service provided by each library in a cooperating network either through self-evaluation or on-site inspections by representatives of the Library of Congress (LC), National Library Service for the Blind and Physically Handicapped (NLSBPH).

Committee Activity	American Library Association, Committee on Standards.
Standardization Activities	Reviews and approves proposed and existing standards for continued relevance to the state of library development and service for the blind and physically handicapped.
Availability	(1) On request from Executive Secretariat, Office of the Director, National Library Service for the Blind and Physically Handicapped, at the address above. (2) Sold by the American Library Association, 50 E. Huron Street, Chicago, Illinois 60611.
Keywords	library service; library networks; blindness; physical handicaps; social welfare;

LIBRARY OF CONGRESS

PROCESSING SERVICES

Washington, D.C. 20540
(202) 287-5325

Authority	Processing Services (by authority of the Library of Congress Regulation) is responsible for the acquisition and bibliographic control of library materials and for making the Library of Congress (LC) bibliographic products available. In achieving this mission, Processing Services takes part in the development and implementation of standards governing its technical services activities.
------------------	--

Implementation	Processing Services voluntarily follows OMB Circular A-119 which specifies the use of voluntary standards developed outside the government and participation in the development of voluntary standards as required for office missions.
-----------------------	---

Adoption of Non-Government Standards	The Library of Congress has adopted and applied the following guidelines and publications:
---	--

Dewey Decimal Classification: The Library of Congress Decimal Classification Division and Forest Press have agreed to develop and apply the Dewey Decimal Classification at the Library of Congress. The Dewey Decimal Classification schedule is applied on over 100,000 catalog records per year at the Library of Congress. Sixty thousand sets of the unabridged classification have been sold over the life of the edition (currently the 19th; the 20th will appear in 1991). Librarians choose to use Library of Congress catalog records or apply the schedule themselves (primarily in public and school libraries).

Anglo-American Cataloging Rules: The standard for descriptive cataloging is developed by the international committee representing national libraries (including the Library of Congress for the U.S.) and the national library associations of Australia, Britain, Canada, and the U.S.

International Standard Bibliographic Description: The standard for the part of descriptive cataloging called bibliographic description is developed by the International Federation of Library

Associations and Institutions (IFLA), of which the Library of Congress is a member. It includes a variety of standard numbers, such as International Standard Book Number (ISBN), International Standard Serial Number (ISSN), etc.

Paris Principles: The quasi-standard for that part of descriptive cataloging called access points, it is a set of guidelines adopted by the International Conference on Cataloging Principles held in Paris in 1961.

Library of Congress Subject Headings: The ninth edition (1980) and annual supplements are developed by the Subject Cataloging Division in Processing Services. It includes over 140,000 authorized subject headings and subdivisions which are accepted as a library standard of "keywords."

Library of Congress classification schedules: The 34 volumes and 212 updates give an authorized classification scheme for the arrangement of library materials by field of study. The Library of Congress system is used primarily by all university libraries, by some college and junior college libraries, and by some public libraries.

Library of Congress Filing Rules: The rules were developed by the Library of Congress to arrange bibliographic records (or catalog cards) in a basic alphabetical arrangement incorporating logic for application in computer files.

Standards developed by American National Standards Committees Z39, Libraries, Information Science, and Publishing, and X3, Information Processing.

Standards developed by International Organization for Standardization (ISO), Technical Committee (TC) 46, Documentation, and TC 97, Computer Information Processing.

The Library of Congress together with the American Library Association develops romanization systems for the major non-Roman alphabet languages. The tables have become the de facto standard of the North American library community.

MARC Formats: The Library of Congress is instrumental in the development of MARC (machine-readable cataloging) formats, which have been adopted as national and international standards. The MARC formats incorporate standards, such as cataloging rules and principles. The formats also include de facto standards for content designators.

Committee Activity

Processing Services participates in the committees or organizations responsible for the guidelines and publications listed above including:

- (1) Subject Analysis Committee, Resources and Technical Services Division (RTSD), American Library Association (ALA)
- (2) Committee on Cataloging: Description and Access, RTSD, ALA
- (3) Forest Press Committee
- (4) Decimal Classification Editorial Policy Committee
- (5) Joint Steering Committee for Revision of Anglo-American Cataloging Rules
- (6) ANSI Z39, X3, and various related committees and councils
- (7) National Bureau of Standards

- (8) International Serials Data System (ISDS), including its Governing Board and Directors
- (9) Serials Industry Systems Advisory Committee (SISAC)
- (10) Book Industry Systems Advisory Committee (BISAC)
- (11) Committee for the Representation in Machine-Readable Form of Bibliographic Information (MARBI)
- (12) International Federation of Library Associations and Institutions (IFLA)

Standardization Activities

The Library of Congress:

- has principal responsibility for the development of standards for the interchange of bibliographic records (including the format of the data in those records, coded data such as language and country codes, character sets, and works with others on communication protocols);
- acts as the maintenance agency in the U.S. for the International Standard Serial Number standard and cooperates with the maintenance agency in the U.S. in the use of accurate International Standard Book Numbers;
- is active in developing standards for data in bibliographic records, such as holding statements for serial publications;
- formulates official Library of Congress interpretations of cataloging rules; and
- distributes products of standardized cataloging and bibliographic activities in these formats:
 - a) catalog cards
 - b) MARC tapes
 - c) book catalogs, such as the
 - National Union Catalog
 - Music, Books on Music, Sound Recordings
 - d) computer output microfiche catalogs, etc.

Availability

Many of the publications listed above are available from the Library of Congress' Cataloging Distribution Service.

Manual on the Use of the Dewey Decimal Classification: Edition 19 and related publications are sold by Forest Press, 85 Water-vliet Avenue, Albany, N.Y.

The Anglo-American Cataloging Rules, 2nd edition are sold by the American Library Association.

Other standards are available from IFLA, ISO, ANSI, etc.

Keywords

Dewey Decimal Classification; library classification; classification; libraries; cataloging; subject headings; thesaurus; language codes; Anglo-American Cataloging Rules; bibliographic control; MARC tapes; catalog cards; bibliographic data formats; ISSN; communication protocols; character sets; information processing;

LIBRARY OF CONGRESS

RESEARCH SERVICES

Photoduplication Services
Washington, D.C. 20540
(202) 287-5654

- Application** Photographic standards are used for specification in various conversion programs for preservation. Bibliographic standards are used in appropriate divisions to promote more efficient transmission of information. The work on standards for paper for library books is a part of the Library's National Preservation Program.
- Adoption of Nongovernment Standards** All new and revised ANSI PH1-5 standards are required for all preservation and conservation work.
- Committee Activity** Various staff members serve on American National Standards (ANSI) committees and subcommittees, especially those dealing with photographic materials in PH1, PH4, and PH5, as well as Z30 which deals with library work and publishing practice and Z39 in areas of bibliographic description of microforms, serials, and technical reports and paper for library books.
- Standardization Activities** As members of the committees listed above, staff members view and vote on the adoption of standards in those areas. Because no standards existed for micrographic documentary reproduction when the Library of Congress had need of such standards, four specifications were developed: Specifications for the Microfilming of Newspapers in the Library of Congress (1971); Specifications for the Microfilming of Books and Pamphlets in the Library of Congress (1973); Specifications for 16mm Microfilming of Library Catalog Cards (1974); and Specifications for the Microfilming of Manuscripts (1980). The newspaper specification went on to become ANSI/NMA MS11-1977, National Standard: Recommended Practices for Microfilming Newspapers.
- Availability** All library of Congress microphotographic specifications have been reprinted and are available from the Association for Information and Image Management, 1100 Wayne Avenue, Silver Spring, Maryland 20910.
- Keywords** documentary reproduction; micrographics; photography; information processing;

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

OCCUPATIONAL HEALTH OFFICE

Mail Code NPG-34
600 Independence Avenue SW.
Washington, D.C. 20546
(703) 755-2206

- Authority**
- (1) Occupational Safety and Health Act of 1970 (29 U.S.C. 668).
 - (2) Executive Order 12196, Occupational Safety and Health Programs for Federal Employees (October 1, 1980).
 - (3) Department of Labor Regulations on Federal Employee Occupational Safety and Health Programs (29 CFR, Part 1960).
 - (4) Occupational Safety and Health Standards and Provisions (20 CFR, Part 1910).
 - (5) Office of Management and Budget Circular A-72.

(6) Nuclear Regulatory Commission (10 CFR, Chapter 1).

(7) Atomic Energy Act of 1954 (42 U.S.C. 2011).

Implementation	Alternative standards are promulgated under the Code of Federal Regulations, Title 20, Chapter XVII, Part 1960, Subpart C, Section 17 (29 CFR 1960.17). Supplementary standards can be developed and adopted under 29 CFR 1960.18.
Application	Health standards are employed in the recognition, evaluation, and control of workplace hazards by industrial hygienists and physicians at each National Aeronautics and Space Administration (NASA) Center.
Adoption of Nongovernment Standards	The threshold limit values published by the American Conference of Governmental Industrial Hygienists have been adopted by NASA for evaluating exposures to chemical substances and physical agents.
Standardization Activities	The NASA Headquarters Occupational Health Office is active in the preparation of policies, program elements, procedures, guidelines, and health protection standards. Documents cover occupational medicine, industrial hygiene, and environmental health activities. These documents are utilized at each of the 14 NASA facilities nationwide.
Availability	NASA Headquarters Occupational Health Office. Other NASA documents on medical and workplace surveillance are available through National Technical Information Service.
Keywords	occupational medicine; environment; industrial hygiene; health care;

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

SYSTEMS ENGINEERING AND TECHNOLOGY

Washington, D.C. 20546
(202) 755-3111

Authority	Title 10, U.S.C. Chapter 145 and Department of Defense Directive 4120.3
Implementation	<p>(1) Memorandum of Understanding Between the Department of Defense (DoD) and the National Aeronautics and Space Administration (NASA) Concerning NASA's Participation in the Defense Standardization Program.</p> <p>(2) NASA Management Instruction NPD 5320.5, Basic Policy for Electronic Parts.</p> <p>(3) NASA Handbook NHB 5300.4(1A), Reliability Program Provisions for Aeronautical and Space Contractors.</p> <p>(4) NASA Handbook NHB 5100.2, NASA Procurement Regulations.</p>
Application	Implementation of NASA standards, instructions and handbook is through purchase orders, product qualifications, and manufacturing line certification.
Adoption of Nongovernment Standards	ASTM test methods are used in MIL-STD-977 as alternates to military standard test methods and procedures for certification of microcircuit production lines.
Qualification, Certification, or Calibration	Qualification and certification to various military specifications is accomplished jointly with Defense Electronic Supply Center under the DoD Defense Standardization Program.

Committee Activity Observer to the Defense Materiel Specification and Standards Office's advisory group on Qualified Products Lists Policy and Procedures. Custodian/Preparing Activity to various military specifications and standards in the Federal Supply Class 59 (Electrical).

Standardization Activities Established a NASA Standard Parts Program (NSPP) in 1974. The program is administered by the Office of the Chief Engineer at NASA Headquarters and operated by the Marshall Space Flight Center. Standardization concentrates on extended reliability electronic parts with MIL-STD-975, NASA Standard Parts List (NSPL), as the baseline document. The Program uses the DoD specification and standards system but makes in depth analyses of part before approving for the NSPL. It has worked closely with the Air Force to develop a quality level of parts for use in critical space applications that is designated class "JAN S."

Availability NASA handbooks are available from Government Printing Office. NASA prepared military specifications and standards are available from Naval Publications and Forms Center.

Keywords aerospace; high reliability; parts control; electronic parts;

NUCLEAR REGULATORY COMMISSION

NUCLEAR REGULATORY RESEARCH

Washington D.C. 20555
(301) 427-4341

Adoption of Nongovernment Standards Many Nuclear Regulatory Commission (NRC) guides refer to or endorse national standards that are developed by recognized national organizations, i.e., ANSI, ASTM, ASME, often with NRC participation. NRC makes use of a national standard in the regulatory process only after an independent review by the NRC staff and after public comment on NRC's planned use of the standard has been reviewed.

Committee Activity NRC participates on more than 150 interagency, nongovernmental, and international standards committees. It coordinates U.S. technical activities associated with the International Atomic Energy Agency (IAEA) Nuclear Safety Standard (NUSS) program to develop safety codes of practice and safety guides for nuclear power plants. The codes and guides provide a basis for national regulation by developing countries of the design, construction, and operation of these plants.

Standardization Activities NRC standards are primarily of two types -- Regulations and Regulatory Guides. The former comprise 850 pages in Title 10, Chapter 1, of the Code of Federal Regulation.

NRC Regulatory Guides describe methods for implementing specific parts of the Commission's Regulations and, in some cases, describe techniques used by the staff in evaluating specific problems or postulated accidents. Guides also may advise applicants regarding information the NRC staff needs in reviewing applications for permits and licenses.

More than 350 NRC Regulatory Guides have been developed in the following categories: Power Reactor, Research and Test Reactor, Fuels and Materials Facilities, Environmental and Siting, Materials and Plant Protection, Products, Transportation, Occupational Health, Antitrust and Financial Review, and General Guides (reporting requirements).

NRC issues the guides for public comment in draft form before they have received complete staff review and an official staff

position has been established. Once issued, regulatory guides may be withdrawn when superseded by Commission regulations, when equivalent recommendations have been incorporated in applicable approved codes and standards, or when changes make them obsolete. When guides are issued, revised, or withdrawn, notices are placed in the Federal Register.

Keywords energy; nuclear; reactors; environment; radiation; safety;

DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

Program Management Staff
800 Independence Avenue SW.
Washington, D.C. 20591
(202) 426-8058

Authority The Federal Aviation Administration (FAA) was created under Title 6 of the Federal Aviation Act of 1958 to provide for the regulation and promotion of civil aviation in such a manner as to best foster its development and safety, and to provide for the safe and efficient use of the airspace by both civil and military aircraft. The Federal Aviation Regulations are promulgated under Title 14 of the Code of Federal Regulations. The first regulation and civil aviation standards originated with the passage of the Air Commerce Act of 1926.

Implementation FAA standards are either regulatory or nonregulatory in nature. Those in the former category are found in the various numbered parts of the Federal Aviation Regulations (FAR's) and as such are subject to review in accordance with the Administrative Rule-making Procedures in which the public participates. Regulatory announcements and Notices of Proposed Rulemaking are published in the Federal Register. The nonregulatory standards generally contained in the FAA Advisory Circulars (AC's) serve principally as the means of providing safety information to the public with respect to aircraft operations or a related aeronautical interest. Nonregulatory circulars also provide the public with guidelines in meeting regulatory requirements.

Standardization Activities Regulations and standards are developed and administered by various offices and services within FAA. The Associate Administrator for Aviation Standards is responsible for most of the regulatory material which includes the certification, operations, and maintenance of aircraft, engines, propellers, and aircraft equipment; licensing of airmen and airman aeromedical standards; for aircraft operational procedures, and the certification of schools, repair stations, and parachute lofts; and for airport and aircarrier security. The Air Traffic Service is responsible for regulations and standards governing airspace utilization, air traffic control and procedures, and for the establishment and installation of navigational facilities. The Associate Administrator for Airports is responsible for regulations and standards concerning airport certification and airport grants; and the Associate Administrator for Policy and International Aviation for aircraft noise standards.

Availability The Federal Aviation Administration periodically publishes a revised Advisory Circular Checklist (AC00-2) and Status of the Federal Aviation Regulations (AC00-44) which list current AC's and FAR's. These may be obtained free of charge from the address above. Regulations may be purchased from the Government Printing Office.

Keywords aviation; aircraft; engines; air traffic control; airports; noise; environment; transportation; safety;

DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

Bureau of Motor Carrier Safety
400 7th Street SW.
Washington, D.C. 20590
(202) 426-1700

- Authority** Authority to regulate the qualifications and maximum hours of service of employees and safety of operations and equipment is specified in 49 U.S.C. 3102.
- Hazardous Materials Transportation Act - 49 U.S.C. 1801 et. seq.
- Noise Control Act - 42 U.S.C. 4917.
- Minimum standards for splash and spray suppression devices Sec. 414, Surface Transportation Assistance Act of 1982 - P. L. 97-424 (January 6, 1983), 49 U.S.C. 2314.
- Implementation** Mandatory regulations are codified in the Federal Motor Carrier Safety Regulations (FMCSR) in 49 CFR, parts 325, 350, 385, 386-399, and Parts 171-173, 177, and 178 of the Hazardous Materials Regulations. These safety rules range from compliance with interstate carrier noise emission standards to minimum levels of financial responsibility, the transportation of hazardous materials, and hours of service of drivers. They cover interstate motor carriers of passengers and commerce and their vehicles and drivers.
- Application** Bureau of Motor Carrier Safety special investigators conduct management safety audits at operations and offices of motor carriers and hazardous materials shippers. They also conduct roadside inspections of vehicles and of drivers' required paperwork. Vehicles and/or drivers not in compliance with the FMCSR are placed out of service where certain hazards to safety are so severe as to increase the likelihood of an accident.
- Adoption of Standards** The FMCSR have been adopted in total or in part by most of the states. Also, states applying for funding under the Motor Carrier Safety Assistance Program are required to have adopted the FMCSR or have compatible State safety regulations.
- Availability** Publications are available from the Government Printing Office.
- Keywords** commercial motor vehicles; tractor trailer; hazardous materials; driver qualifications; safety; transportation;

DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

Office of Engineering HNG-21
400 7th Street SW.
Washington, D.C. 20590
(202) 426-0313

- Authority** 23 U.S.C. 109, 315 and 402; 49 CFR 1.48(b) unless otherwise noted
Source 43 FR14686, April 7, 1978 unless otherwise noted.
- Implementation** 23 CFR Part 625 - Design Standards for Highways
- Application** Standards, specifications, policies, guides and references are approved by the Federal Highway Administration for application on Federal-aid projects. The regulation (23 CFR 625) does not establish Federal standards for work that is not federally funded;

however, the safety related criteria of the referenced documents are established as goals for developing State and local Safety Programs Standard 12, 23 CFR, Part 1204.4.

**Adoption of
Nongovernment
Standards**

Of the 39 publications noted in 23 CFR, Part 625, 22 were developed by American Association of State Highway and Transportation Officials (AASHTO); one by the American Welding Society; and the remaining 16 are Federal Highway Administration publications.

**Committee
Activity**

The Federal Highway Administration participates in pertinent committees of the American Association of State Highway and Transportation Officials.

**Standardization
Activities**

The Federal Highway Administration approves the engineering standards and specifications which are used on Federal-aid projects. In addition these approved references are cited as goals for developing safety programs for all public highways as required by standard 12, 23 CFR, Part 1204.4. Because of these two well established uses, numerous other State and local highway related organizations employ the referenced documents directly or extract significant portions in the development of their own standards and specifications.

The standards and specifications of the American Association of State Highway and Transportation Officials, which is an organization made up of one member from each of the State highway agencies plus those agencies in Puerto Rico and the District of Columbia and thus is viewed as the national highway organization, are utilized to the maximum extent practicable. Where such standards and specifications do not exist or where they do not adequately provide for the Federal interest, the Federal Highway Administration prepares new or supplemental documents to provide for the needs of its Federal-aid program.

Availability

Federal Highway Administration

Keywords

highways; bridges; traffic control; materials; construction; transportation;

DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

Office of Environmental Policy
400 7th Street SW.
Washington, D.C. 20590
(202) 426-0351

Authority

23 U.S.C 109(i) - The Federal-Aid Highway Act of 1970 requires that noise be considered in the development of new highway projects and that standards for highway noise levels compatible with various land uses be developed and implemented.

Implementation

The noise standards mandated by 23 U.S.C 109(i) are codified in 23 CFR, Part 772. The standards provide procedures for noise studies and noise abatement measures to help protect the public health and welfare, supply noise abatement criteria, and establish requirements for information to be given to local officials for use in the planning and design of highways approved pursuant to Title 23, United States Code (U.S.C.).

Application

The standards apply to any proposed Federal or Federal-aid highway project for the construction of a highway on new location or the physical alteration of an existing highway which significantly changes either the horizontal or vertical alignment or

increases the number of through-traffic lanes. They also apply to any proposed Federal or Federal-aid project for noise abatement on an existing highway.

Committee Activity

The Federal Highway Administration participates in pertinent committees of the American Association of State Highway and Transportation Officials, Transportation Research Board, and Society of Automotive Engineers.

Standardization Activities

The Federal Highway Administration (FHWA) is active in the preparation and implementation of highway traffic noise and construction noise standards for the planning, design, and construction of Federal-aid funded highways. These highways are constructed by State and local highway agencies.

The FHWA coordinates the preparation of the standards with the Environmental Protection Agency, other Federal agencies, the States, and the public.

The public who lives next to Federal-aid funded highways receive the benefit of a substantial reduction in highway traffic noise if the States determine that noise abatement is reasonable and feasible.

FHWA standards have produced over 300 miles of noise barriers to reduce highway traffic noise in residential areas, schools, hospitals, and parks.

Availability

Code of Federal Regulations, Title 23, part 772 is available from the Government Printing Office.

Keywords

highways; traffic; construction; land use; pollution; environment; noise control; transportation:

DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

Office of Highway Operations - HH0-1
400 7th Street SW.
Washington, D.C. 20590
(202) 426-0340

Authority

U.S.C. Title 23, Highways; more specifically Sections 106 (Specifications), 109 (Standards), 112 (Letting of Contracts), 114 (Construction), and 116 (Maintenance).

Implementation

23 CFR 625.3 and 49 CFR

Application

Construction, maintenance, materials, and contracting regulations, standards, and practices are applicable to all Federally funded highway projects both on and off the Federal-aid highway systems. Projects may be administered by the Federal Highway Administration, State highway agency, or local governments. Application and compliance of accepted standards and specifications is assured by onsite inspection, process and product reviews and other management techniques.

Adoption of Nongovernment Standards

The Federal Highway Administration actively participates with industry and State highway agency organizations in the development and implementation of highway construction, material, and maintenance standards and specifications including the American Association of State Highway and Transportation Officials, American Society for Testing and Materials, and the Institute of Traffic Engineers.

Qualification, Certification, or Calibration	Actual project standards/specifications are developed by each administering agency (state or local) and are reviewed and approved by the Federal Highway Administration. The general guidance provided by the above noted standards is used as a basis for the locally developed standards/specifications.
Committee Activity	The Federal Highway Administration is actively involved in industry/State highway agency organizations which develop the national standards cited in the CFR. Committees include both management and technical functions of the American Association of State Highway and Transportation Officials, American Society for Testing and Materials, Institute of Traffic Engineers, American Society of Civil Engineers, National Society of Professional Engineers, and American Road and Transportation Builders Association, etc.
Standardization Activities	The Federal Highway Administration administers the Federal-aid highway program and continuity of the national highway network from a third party approach. Although seldom the contracting authority, by serving as the nucleus for the highway industry, the Federal Highway Administration assures reasonable standardization without stymieing creativity and new methods development. This approach allows the State highway agency and local governments the maximum flexibility practical while still attaining national uniformity.
Availability	Federal Highway Administration, Government Printing Office, American Association of State Highway and Transportation Officials, and local/State highway agencies.
Keywords	highways; bridges; construction; materials; contracting; traffic control; safety; transportation;

DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

Office of Traffic Operations
400 7th Street SW.
Washington, D.C. 20590
(202) 426-0411

Authority	23 U.S.C. 109. Standards, December 20, 1944, the Federal-Aid Highway Act of 1944.
Implementation	23 CFR 655, Subpart F, Traffic Control Devices on Federal-aid and other streets and highways. A set of national standards have been developed and approved by the Federal Highway Administrator in cooperation with the State highway agencies. These standards are contained in the Manual on Uniform Traffic Control Devices (MUTCD). The Federal Highway Administration will only approve State or other Federal agency MUTCDs (or supplements) that are in substantial conformance with the national MUTCD.
Application	The standards contained in the MUTCDs apply to all highways open to public travel.
Committee Activity	The MUTCD was developed with cooperation of the: National Committee on Uniform Traffic Control Devices American Association of State Highway and Transportation Officials Institute of Transportation Engineers National Committee on Uniform Traffic Laws and Ordinances National Association of Counties National Association League of Cities National Association of Governors' Highway Safety Representatives

International Association of Chiefs of Police, Inc.
National Electrical Manufacturers Association
American Road and Transportation Builders Association
International Bridge, Tunnel, and Turnpike Association

**Standardization
Activities**

Existing Highways -- Each state, in cooperation with its political subdivisions, and Federal agencies shall have a program which shall include provisions for the systematic upgrading of substandard traffic control devices and for the installation of needed devices to achieve conformity with the MUTCD.

New or Reconstructed Highways -- Federal-aid projects for the construction, reconstruction, resurfacing, restoration, or rehabilitation of streets and highways shall not be opened to the public for unrestricted use until all appropriate traffic control devices, either temporary or permanent, are installed and functioning properly. Both temporary and permanent devices shall conform to the MUTCD.

Construction Area Activities -- All traffic control devices installed in construction areas using Federal-aid funds shall conform to the MUTCD.

Availability

The MUTCD is available from the Government Printing Office

Keywords

traffic control devices; curb and pavement markers; regulatory signs; warning signs; public safety; transportation;

DEPARTMENT OF TRANSPORTATION

MARITIME ADMINISTRATION

Office of Naval Architecture and Engineering
400 Seventh Street SW., Room 2109
Washington, D.C. 20590
(202) 426-5836

Authority

The development of guidance specifications for ship construction was first authorized May 20, 1960, by the Federal Maritime Board.

Implementation

There are three shipbuilding guidance specifications which are for voluntary use: (1) Standards Specifications for Merchant Ship Construction PB 290400; (2) Standards Specifications for Diesel Merchant Ship Construction PB 257261; (3) Standards Specifications for Slow Speed Diesel Merchant Ship Construction.

Application

The guidance specifications are for voluntary use by shipbuilders.

**Adoption of
Nongovernment
Standards**

Those referred to include: American Society for Testing and Materials (ASTM), American Society of Mechanical Engineers (ASME), Heat Exchange Institute, and American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE).

**Qualification,
Certification,
or Calibration**

There are no specific requirements for use of the guidance specifications.

**Committee
Activity**

American Society for Testing and Materials

**Standardization
Activities**

Active in the preparation of consensus shipbuilding standards through ASTM.

Availability

National Technical Information Service

Keywords

shipbuilding specifications; transportation;

DEPARTMENT OF TRANSPORTATION

MATERIALS TRANSPORTATION BUREAU

Office of Pipeline Safety Regulation
400 7th Street SW.
Washington, D.C. 20590
(202) 426-2392

- Authority** Natural Gas Pipeline Safety Act of 1968 (49 U.S.C. 1671 et seq.)
Hazardous Liquid Pipeline Safety Act of 1979 (49 U.S.C. 2001 et seq.)
- Implementation** Standards for pipelines that carry natural gas or gas that is flammable, toxic, or corrosive are codified in 49 CFR, Part 192.
Standards for liquified natural gas (LNG) plants are in 49 CFR, Part 193.
Standards for interstate pipelines carrying petroleum, petroleum products, or anhydrous ammonia are codified in 49 CFR, Part 195.
- Application** Standards are binding on pipeline operators by law. Federal and State inspectors visit operators' facilities to check on compliance.
- Adoption of Nongovernment Standards** The Federal standards incorporate by reference parts of over 50 nongovernment developed standards, principally API, ASTM, ANSI, and NFPA.
- Committee Activity** The Office of Pipeline Safety Regulations sponsors two advisory committees: The Technical Pipeline Safety Standards Committee and the Technical Hazardous Liquid Pipeline Safety Standards Committee. These committees advise on proposed rule making activities.
Staff members participate in or are members of various nongovernment standards setting committees, including those of the ASME, API, and NFPA.
- Standardization Activities** Standards cover design, construction, operation, and maintenance of pipelines. Benefits derive from savings in life and property damage, including environmental damage in the case of oil spill prevention. Original standards were based on standards widely followed by industry. Subsequent efforts have been directed toward improvements needed for safety as demonstrated by accident statistics, and toward changing regulations that are not cost beneficial.
- Availability** Sold by Government Printing Office, and small quantities available from Information Services Division, Materials Transportation Bureau
- Keywords** safety; gas; hazardous liquids; pipeline; LNG plants; design; construction; operation; maintenance; corrosion control; transportation;

DEPARTMENT OF TRANSPORTATION

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

see DEPARTMENT OF COMMERCE

NATIONAL BUREAU OF STANDARDS
National Engineering Laboratories
Law Enforcement Standards Laboratory

DEPARTMENT OF TRANSPORTATION

UNITED STATES COAST GUARD

Boating Safety Division (G-BBS-1/43)
Washington, D.C. 20593
(202) 426-4027

- Authority** Federal Boat Safety Act 1971
- Implementation** Standards issued to date are in CFR, 33 Part 183 and include standards for:
- (1) Safe Loading
 - (2) Safe Powering
 - (3) Display of Capacity Information
 - (4) Basic Flotation
 - (5) Level Flotation
 - (6) Electrical Systems
 - (7) Fuel Systems
 - (8) Ventilation
 - (9) Start-In-Gear Protection
- Application** Boating safety standards are published as mandatory rules in accordance with the Administrative Procedures Act (APA). Final rules become a part of the Code of Federal Regulations. Each rule proposed by the United States Coast Guard (USCG), as well as each final rule, is published in the Federal Register. Interested persons are afforded an opportunity to comment upon proposed regulations with the publication of Notices of Proposed Rule Making.
- Committee Activity** Staff members serve on various committees of the American Boat and Yacht Council, Society of Automotive Engineers, National Fire Protection Association, and American Bureau of Shipping.
- Standardization Activities** The Boating Safety Division is responsible for the development of regulations related to boating safety. The Product Safety Assurance Branch of the division is responsible for the development of safety standards for recreational boats and associated equipment. Safety standards must be based upon a demonstrated need. This need is frequently related to research involving actual boating safety problem areas. Problem areas are identified from sources such as the Boating Accident Reports, State Accident Reports, Coast Guard District Reports, Defect Notification Reports, and consumer complaints. Specific problems are identified, categorized, and subdivided into specific project areas for standards development.
- Availability** Government Printing Office
- Keywords** boats; yachts; safety; recreation; transportation;

DEPARTMENT OF TRANSPORTATION

UNITED STATES COAST GUARD

Office of Merchant Marine Safety
2100 Second Street SW.
Washington, D.C. 20593
(202) 426-2167

- Authority** Maritime shipping laws related to vessels and seamen are codified and enacted into positive law as Subtitle II of Title 46, United States Code, 2101 through 13110; 46 App. U.S.C. 88-88i, Coastwise Loadlines; and 46 App. U.S.C. 86-86i, Foreign Loadlines.

Implementation	Mandatory standards for commercial vessel construction and operation, as well as manning and personnel licensing, are codified in 46 and 36 CFR. Program is administered under the direction of the Chief, Office of Merchant Marine Safety, U.S. Coast Guard (USCG) Headquarters. A system of district and local port offices (marine safety offices/officers in charge, marine inspection) provide inspection and licensing services to assure compliance with the standards and regulations by shipyards, vessel operators, and merchant mariners.
Application	USCG inspectors periodically inspect commercial, foreign, and domestic vessels to assure compliance.
Adoption of Nongovernment Standards	USCG commercial vessel safety regulations incorporate a wide variety of nongovernment standards by reference.
Committee Activity	The Office of Merchant Marine Safety participates in those standards developing committees whose standards are used by, or affect, the merchant marine. These include the International Maritime Organization (IMO), ISO, and IEC, as well as the Society of Naval Architects and Marine Engineers (SNAME), American Bureau of Shipping (ABS), ASTM, ASME, API, UL, and a dozen other domestic organizations.
Standardization Activities	USCG commercial vessel safety standards are incorporated into the United States Code of Regulations, Titles 46 and 33. The commercial vessel safety program's regulatory approach includes active participation in voluntary standards programs. By actively participating in voluntary standards, the Coast Guard raises issues of public interest and can speak for the public in matters of safety. Also, where industry or owners have not set necessary safety requirements, the Coast Guard can catalyze their development.
Availability	Sold by Government Printing Office
Keywords	ship design; safety; hazardous material; marine engineering; naval architecture; inspection; stability; fire protection; merchant marine; transportation;

DEPARTMENT OF THE TREASURY

BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS

National Laboratory Center
1401 Research Boulevard
Rockville, Maryland 20850
(301) 294-0410

Authority	Various laws relating to the production, storage, and taxation of alcohol and tobacco products, firearms, and explosives.
Implementation and Application	<p>Standards have been established by the Bureau of Alcohol, Tobacco and Firearms (BATF) Laboratories, which apply to hydrometers, thermometers, and William's test tubes supplied to the Bureau for testing the alcoholic content of beverages. Although these standards are not usually published, they are supplied to bidders for manufacturing contracts.</p> <p>In cooperation with various industry segments, BATF prescribes and enforces standards of identity for alcoholic beverages. These standards are established by regulations applicable to all such beverages produced in or imported into the United States. Standards for the various classes of wines are published at 27 CFR, Part 4; those for distilled spirits are published at 27 CFR, Part 5.</p>

The BATF Laboratories set specifications for ethyl alcohol, denatured alcohol, proprietary solvents, and special industrial solvents. These are incorporated as Federal Specifications O-E-760B, issued by the General Services Administration. Through regulations issued by BATF at 27 CFR, Parts 211 and 212, these specifications are applicable to the production of these products in the United States.

The standards of identity for small cigars, as defined in 26 U.S.C. 5702 and in regulations issued by BATF at 27 CFR, Part 270, are further established by laboratory test procedures set up by the BATF Laboratories. These analytical tests are utilized to enforce these standards for small cigars, as differentiated from cigarettes, upon all such products consumed within the United States.

Additionally, the Bureau sets specifications relating to construction of storerooms for explosive materials. These specifications are published in 27 CFR, Part 181.

Availability National Laboratory Center, BATF. The CFR is available from the Government Printing Office

Keywords instruments; beverages; testing; materials;

DEPARTMENT OF THE TREASURY

BUREAU OF THE MINT

Office of Technology
501 13th Street NW.
Washington, D.C. 20220
(202) 376-0453

Authority 31 U.S.C. 317 and 391

Implementation The Bureau of the Mint, Department of the Treasury, develops and administers the technical standards for United States coinage. Nominal diameter and weight standards are established by statute. Deviations allowed in the weight of minor coins are established by 31 U.S.C. 350. Thickness standards and other tolerances are developed by the Office of Technology, Office of the Director.

Application These standards are only imposed internally on the coin manufacturing processes. However, their importance in the development of coin handling and coin operated equipment so commonly found throughout the nation warrants their publication upon request.

Availability Written inquiries should be directed to the Director of the Mint, Attention, Office of Technology.

Keywords coins; finance;

DEPARTMENT OF THE TREASURY

U.S. CUSTOMS SERVICE

Office of Commercial Operations
1301 Constitution Avenue NW., Room 3117
Washington, D.C. 20229
(202) 566-5868

Authority (1) United States accession to the Customs Cooperation Council Convention. Instruments of ratification deposited on November 5, 1970.

(2) Trade Act of 1974, Section 608, which directed the participation of the United States International Trade Commission in the United States contribution to the technical work of the Harmonized System.

Implementation	The draft International Convention on the Harmonized Commodity Description and Coding System is subject to Congressional approval and will in no case be effective before January 1, 1987.
Application	The Harmonized System will be applied for the impost of customs duties upon the entry of merchandise into the United States and other countries, and for the collection of international trade data.
Committee Activity	The U.S. Customs Service (USCS) serves as chairman of the Inter-agency Advisory Committee on Customs Cooperation Council Matters, participates on the Trade Policy Staff Committee and its task force on the Harmonized System, and serves as chairman of the United States delegation of the Harmonized System Committee of the Customs Cooperation Council.
Standardization Activities	The Harmonized System Committee of the Customs Cooperation Council is developing a standardized system of nomenclature for use in international trade. This is essentially a commodity classification system to be used as a basis for customs tariffs and the foreign-trade statistical systems of the United States and its trading partners. The system is devised such that it can be used as a basis for various other international trade facilitation measures, for example, freight tariffs.
Availability	A draft of the Tariff Schedules of the United States Annotated as converted into the nomenclature structure of the Harmonized System is available from the United States International Trade Commission, 701 E. Street NW., Washington, D.C.
Keywords	customs; harmonized system; international trade; business;

DEPARTMENT OF THE TREASURY

U.S. CUSTOMS SERVICE

Technical Services Division
1301 Constitution Avenue NW.
Washington, D.C. 20229
(202) 566-5853

Authority	Title 19, Code of Federal Regulations
Implementation	Mandatory laboratory methods are developed and implemented within the U.S. Customs Service (USCS) laboratory system (presently eight laboratories) for the analysis of imported commodities. This effort requires special analyses to obtain information to meet legal requirements for assessing customs duties as legislated. Present and contemplated methods include analysis of specific properties of wool, sugar, specially tempered glassware, newsprint, alcoholic beverages, fluorspar, and footwear. These methods are frequently released to the public through Freedom of Information Act procedures and thereby may also be in use in the private sector.
Application	The application of these methods is to meet specific tariff requirements as legislated.
Adoption of Nongovernment Standards	U.S. Customs laboratories most frequently use standards developed by industry groups or other nongovernment organizations such as: API, ASTM, ANSI, etc.

Qualification, Certification, or Calibration Samples are selected by Customs inspectors or import specialists on a random or specified basis and sent to the laboratories for analyses. Compliance with legal requirements is determined and the results determine the duty paid by importers. Over 75,000 samples are analyzed annually in this effort.

Committee Activity The U.S. Customs laboratory managers and scientists participate in pertinent committees of the American Petroleum Institute, American Society for Testing and Materials, Customs Cooperation Council, American National Standards Institute, International Commission for Uniform Methods of Sugar Analysis, Association of Official Analytical Chemists, the National Voluntary Laboratory Accreditation Program, and the American Chemical Society.

Availability Technical Services Division, U.S. Customs Service.

Keywords sampling; laboratory analysis; sugar purity; laboratory methods; customs duties; testing;

U.S. TRADE REPRESENTATIVE

see EXECUTIVE OFFICE OF THE PRESIDENT

VETERANS ADMINISTRATION

Office of Procurement and Supply
810 Vermont Avenue NW.
Washington, D.C. 20420
(202) 389-3808

Authority Title 38 CFR Chapter I and Title 41 CFR Chapter 8

Standardization Activities The standardization activities of the Veterans Administration (VA) are administered by the Safety, Occupational Health, and Fire Protection Division. The Division establishes VA standards as supplements to adopted national standards. Currently there are twenty-six VA standards including the following twenty product and safety related items:

Carpet Fire-Safety Requirements in Health Care Facilities
Automatic Fire Extinguishing Protection
Air Conditioning Systems
Magnetic Door Locks
Liquid Oxygen Walker Units
Trash Containers
Exit Through ICU and CCU
Food Service Equipment and Facilities
Lasers
Pipetting in Hospital Laboratories
Needle/Syringe Handling Procedures
Electron Microscopes
Microwave Ovens
Carcinogenic Chemicals
Noise
Bathtubs
Laboratory Safety Equipment - Safety Showers and Eyewashes
Electrical Safety
Prohibition of Using Lead-Based Paint
Storage, Preparation, and Consumption of Food and Beverages by Employees in Places of Work

Availability Policy Manual MP-3, Part III lists current standards and is available from the address above.

Keywords medical devices; air conditioning; consumer products; plumbing; food; safety; noise;

4. STATE GOVERNMENT PURCHASING OFFICES

4.1 ROLE OF THE NATIONAL ASSOCIATION OF STATE PURCHASING OFFICIALS

The National Association of State Purchasing Officials (NASPO) enables the states to improve the quality of purchasing and procurement, exchange information, and cooperate toward the more effective exercise of the procurement, and supply functions to attain greater efficiency and economy in state administration.

NASPO's Standing Committee on Standards and Specifications develops and promotes standards and specifications for state government procurement through the cooperative efforts of the Committee members and those who are charged with the development and promulgation of standards and specifications in the member states.

The Committee's functions are both informational and participative. Its members endeavor to keep abreast of current developments in the area of standardization and to convey that information to their counterparts in NASPO. All NASPO members are encouraged to share their standards documents by apprising the NASPO Standards Clearing House (operated by the Standards and Test Section of the Connecticut Bureau of Purchases) of all new and revised standards, specifications, QPL's, etc., which their own states have adopted. This information is then circulated to all NASPO members and the International Coalition for Procurement Standards (ICPS) by means of bulletins from Connecticut four times annually.

The participative function is demonstrated by Committee members and NASPO standards personnel joining the Committees of various voluntary consensus standards organizations and working actively with those committees in the development of standards, specifications, test methods, etc., responsive to the needs of state procurement processes. The results of these cooperative endeavors are also communicated to NASPO and ICPS members quarterly by means of the ICPS BULLETIN.

The long range goal of the NASPO Committee on Standards and Specifications is to have all NASPO members adopt uniform voluntary consensus standards for all commodities of common use in all jurisdictions. Such standards, developed through the joint cooperative efforts of producers, suppliers, purchasers and general interest groups, will provide the purchasing community with "state of the art" item descriptions and performance requirements which ensure the maximum competitive response to procurement solicitations.

4.2 STATE GOVERNMENT PURCHASING OFFICES

From the entries in section 4.3, it is apparent that the states are significant users of standards. From the data provided, it is estimated that collectively the states purchase from \$25B to \$40B in products and commodities each year. About 50 percent of this expenditure is defined by standards and specifications. Most of these are developed by individual states and tailored to their own requirements. Extensive use is also made of Federal and Military procurement standards and specifications. Nongovernment standards are referenced to define test methods, safety criteria, and related characteristics.

This section lists the state government purchasing offices of the fifty states, Guam, Puerto Rico, and the Virgin Islands, all of which are involved in the application of standards.

ALABAMA

State Purchasing Agent
Division of Purchasing and Stores
Department of Finance
204 Highway Building
Montgomery, Alabama 36130
(205) 832-3580

ALASKA

Department of Administration
Division of General Services and Supply
Pouch C (MS 0210)
Juneau, Alaska 99811
(907) 465-2250

ARIZONA

State Purchasing Administrator
State Purchasing Office
Department of Administration
1688 West Adams, Room 220
Phoenix, Arizona 85007
(602) 255-5308

ARKANSAS

Director, Office of State Purchasing
P.O. Box 2940
Little Rock, Arizona 72203
(501) 371-2336

CALIFORNIA

Chief of Procurement
Department of General Services
Office of Procurement
1823-14th Street
Sacramento, California 95807
(916) 445-1846

COLORADO

State Purchasing Director
Division of Purchasing
1525 Sherman Street, Suite 712
Denver, Colorado 80203
(303) 866-3261

CONNECTICUT

Deputy Commissioner
Bureau of Purchases
Department of Administrative Services
460 Silver Street
Middletown, Connecticut 06457
(203) 344-2036

DELAWARE

Division of Purchasing
P.O. Box 299
Delaware City, Delaware 19706
(302) 834-4512

FLORIDA

Director, Division of Purchasing
Department of General Services
613 Larson Building
Tallahassee, Florida 32301
(904) 428-2773

GEORGIA

Director, Purchasing Division
Department of Administrative Services
200 Piedmont Avenue, S.E.
West Tower, Room 1308
Atlanta, Georgia 30334
(404) 656-3001

HAWAII

Chief, Purchasing and Supply Division
Department of Accounting and General
Services
P.O. Box 119
Honolulu, Hawaii 96810
(808) 548-4057

IDaho

Administrative Buyer
Division of Purchasing
Department of Administration
650 West State Street, Room 100
Boise, Idaho 83720
(208) 334-2465

ILLINOIS

Assistant Deputy Director
Procurement Services
Office of Procurement
Department of Administrative Services
801 Stratton Office Building
Springfield, Illinois 62706
(217) 782-4705

INDIANA

Director of Procurement Division
Department of Administration
100 North Senate Avenue
507 State Office Building
Indianapolis, Indiana 46204
(317) 232-3032

IOWA

Chief Purchasing Officer
Division of Purchasing
Department of General Services
Hoover State Office Building
Des Moines, Iowa 50319
(515) 281-3089

KANSAS

Director of Purchases
Department of Administration
Division of Purchases
17 North State Office Building
Topeka, Kansas 66612
(913) 296-2376

KENTUCKY

Finance and Administration Cabinet
Division of Purchases
Room 348, New Capitol Annex
Frankfort, Kentucky 40601
(502) 564-4510

LOUISIANA

Director of State Purchasing
Division of Administration
P.O. Box 44095, Capitol Station
Baton Rouge, Louisiana 70804
(504) 922-0074

MAINE

State Purchasing Agent
Bureau of Purchases
State House Station 9
Augusta, Maine 04333
(207) 289-3641

MARYLAND

Chief, Purchasing Bureau
Department of General Services
301 West Preston Street
Baltimore, Maryland 21201
(301) 383-3644

MASSACHUSETTS

State Purchasing Agent
Executive Office for Administration and
Finance
Purchasing Agent's Division
Room 1011, One Ashburton Place
Boston, Massachusetts 02108
(617) 727-2832

MICHIGAN

Director, Purchasing Division
Department of Management and Budget
2nd Floor, East Wing, Mason Building
P.O. Box 30026
Lansing, Michigan 48909
(517) 373-0322

MINNESOTA

Director of Procurement
Procurement Division
Department of Administration
50 Sherburne Avenue
St. Paul, Minnesota 55155
(612) 296-2600

MISSISSIPPI

Division of Purchase Supervision
Commission of Budget and Accounting
904 Sillers Building
Jackson, Mississippi 39202
(601) 359-3409

MISSOURI

Director, Division of Purchasing
Office of Administration
Capitol Building, P.O. Box 809
Jefferson City, Missouri 65102
(314) 751-3273

MONTANA

Administrator
Purchasing Division
Department of Administration
Mitchell Building
Helena, Montana 59620
(406) 444-2575

NEBRASKA

Administrator
Department of Administrative Services
Material Division
301 Centennial Mall South
P.O. Box 94847
Lincoln, Nebraska 68509
(402) 471-2401

NEVADA

Administrator, State Purchasing
Division
Capitol Complex, Blasdel Building
Carson City, Nevada 89710
(702) 885-4070

NEW HAMPSHIRE

Director, Division of Purchase and Property
Room 102, State House Annex
Concord, New Hampshire 03301
(503) 271-3606

NEW JERSEY

Supervisor, State Purchase Bureau
135 West Hanover Street 3rd Floor
Trenton, New Jersey 08625
(609) 984-7048

NEW MEXICO

Director, State Purchasing Division
Lamy Building, State Capitol Complex
Santa Fe, New Mexico 87503
(505) 827-8010

NEW YORK

Director of Purchasing
Office of General Services
Standards and Purchase Group
38th Floor, Tower Building
Empire State Plaza
Albany, New York 12242
(518) 474-3695

NORTH CAROLINA

State Purchasing Officer
Division of Purchase and Contract
116 West Jones Street
Raleigh, North Carolina 27611
(919) 733-7624

NORTH DAKOTA

State Purchasing Agent
Office of Management and Budget
State Capitol
Bismarck, North Dakota 58505
(701) 224-2682

OHIO

Administrator, Purchasing Division
Department of Administrative Services
364 South Fourth Street
Columbus, Ohio 43215
(614) 466-8218

OKLAHOMA

State Director of Purchasing
State Board of Public Affairs
306 State Capitol
Oklahoma City, Oklahoma 73105
(405) 521-2115

OREGON

Administrator, Purchasing Division
Department of General Services
1230 State Street
Salem, Oregon 97310
(503) 378-4092

PENNSYLVANIA

Deputy Secretary for Procurement
Department of General Services
414 North Office Building
Harrisburg, Pennsylvania 17125
(717) 787-5295

RHODE ISLAND

Purchasing Agent Division of Purchases
301 Promenade Street
Providence, Rhode Island 02908
(401) 277-2156

SOUTH CAROLINA

State Purchasing Officer
Division of General Services
Materials Management Office
Central State Purchasing
800 Dutch Square Blvd., Suite 150
Columbia, South Carolina 29210
(803) 758-6060

SOUTH DAKOTA

Director, Purchasing and Printing
Bureau of Administration
523 East Capitol
Pierre, South Dakota 57501
(605) 773-3405

TENNESSEE

Assistant Commissioner
Management Systems and Procurement
Department of General Services
C2-211 Cental Services Building
Nashville, Tennessee 37219
(615) 741-1035

TEXAS

Executive Director
State Purchasing and General Services
Commission
P.O. Box 13047, Capitol Station
Austin, Texas 78711
(512) 475-2231

UTAH

Director of Purchasing
Administrative Services - Purchasing
2112 State Office Building
Salt Lake City, Utah 84114
(801) 533-4620

VERMONT

Purchasing Director
Agency of Administration
Division of Purchasing
State Administration Building
133 State Street
Montpelier, Vermont 05602
(802) 828-2211

VIRGINIA

Director, Division of Purchases and
Supply
Department of General Services
P.O. box 1199
Richmond, Virginia 23209
(804) 786-3846

WASHINGTON

Director, State Purchasing Division
216 General Administration Building
Olympia, Washington 98504
(206) 753-6461

WEST VIRGINIA

Director, Purchasing Division
Department of Finance and
Administration
Room W-130, State Capitol Building
Charleston, West Virginia 25305
(304) 348-2063

WISCONSIN

Director, State Bureau of Procurement
Department of Administration
P.O. Box 7867
Madison, Wisconsin 53711
(608) 266-1551

WYOMING

Administrator, Purchasing and Property
Control Division
Department of Administration and Fiscal
Control
301 Emerson Building
Cheyenne, Wyoming 82002
(307) 777-7253

GUAM

Administrator, Supply Management
Guam Power Authority
P.O. Box 2977
Agana, Guam 96910-2977
477-9100/472-8641

VIRGIN ISLANDS

Commissioner, Department of Property
and Procurement
P.O. Box 1437, Charlotte Amalie
St. Thomas, Virgin Islands 00801
(809) 774-0828

PUERTO RICO

Director, Division of Purchasing
General Services Administration
P.O. Box 4112
San Juan, Puerto Rico 00905
(809) 723-9503

4.3 STATE GOVERNMENT PURCHASING STANDARDIZATION ACTIVITIES

This section lists information provided by 27 state agencies and New York City. These offices exercise the primary state responsibilities for product standards and purchasing specifications, companion offices in many states are also concerned with standards such as buildings or the environment but are not represented in this directory.

Entries from the roster of the National Association of State Purchasing Officials for the following states are included:

	Page
Arkansas	495
California	495
Colorado	496
Connecticut	496
Florida	497
Idaho	498
Illinois	498
Iowa	499
Maine	499
Maryland	500
Michigan	500
Mississippi	501
Missouri	501
Montana	502
New Hampshire	502
New Jersey	503
New York	503
New York City	504
North Carolina	504
Ohio	505
Oregon	505
Pennsylvania	506
Rhode Island	506
South Dakota	507
Tennessee	507
Texas	507
West Virginia	508
Wisconsin	509

ARKANSAS Department of Finance and Administration

Office of State Purchasing
Quality Control
P.O. Box 2940
Little Rock, Arkansas 72203
(501) 371-2056

Established 1981

Quantity 6 standards developed

Standardization Program Standards are developed by a specifications specialist within the Quality Control Section of State Purchasing. Each standard specification is originated using similar specifications of the Federal Government, other state and local governments, and professional, commercial, and trade organizations. Distribution of final draft is made to all using agencies, contributing vendors and manufacturers, requesting suggestions and/or comments. After incorporation of pertinent suggestions/comments, a randomly selected committee of five user agency representatives makes final approving recommendations before issue. Specifications are subjected to periodic review and changed or updated as the situation warrants.

Testing, Inspection, Certification Chemical testing laboratory, with limited capability, established 1983. An inspection program instigated and operational in conjunction with State Purchasing originated contracts, supplying vendors, and upon request by any using agency.

Use of Other Agencies United States Department of Agriculture (USDA), Food and Drug Administration (FDA), State Department of Weights and Measures, and State Health Department.

Value In process of department computerization. At present, value has not been determined.

Availability From the address above.

CALIFORNIA General Services Department

Office of Procurement, Specifications and Quality Control Section
P.O. Box 1612
Sacramento, California 95807
(916) 445-1846

Established 1957

Quantity 404 Formal State Specifications
82 Qualified Products Lists
289 Commodity Standards
(a simplified specification for well established products of low technology)
210 Bid Specifications on file (a specification to support an infrequent procurement usually for a single user)

Standardization Program Specifications are developed by the Specifications and Quality Control Section of the State Office of Procurement. Inputs are solicited from the using State Agencies and from vendors supplying the product. National technical organizations, such as ASTM, TAPPI, American Society for Metals (ASM), and NBS are consulted. Federal Specifications are referenced and/or portions inserted where appropriate.

Testing, Inspection, Certification Some of the testing and inspection is done by the Quality Control unit in the above organization. State laboratories, such as Food and Agriculture and Department of Transportation are used to

provide laboratory test services and inspection where appropriate. Specialized inspectors, such as the Fleet Administration Automotive Inspectors, are used for special projects. Outside laboratories are used as necessary where the State does not have testing capability.

Use of Other Agencies

Food products are inspected by the United States Department of Agriculture (USDA) or the California Department of Agriculture (CDA). Certain products are inspected by trade associations which offer this service such as the National Coffee Association.

Value

Approximately one-third of the States's \$319 million in purchases for 1982 were made under the Standard's program.

Availability

From the address above.

COLORADO Department of Administration

Division of Purchasing
1525 Sherman Street
Suite 712
Denver, Colorado 80203
(303) 866-3261

Standardization Program

The State of Colorado does not have a formalized standardization program. Standards are used on several hundred term contracts that cause mandatory usage by state agencies/institutions.

COLORADO Department of Local Affairs

Division of Housing
1313 Sherman Street
Room 415
Denver, Colorado 80203
(303) 866-2035

Established

1970

Standardization Program

This program addresses the need to accommodate the special conditions encountered in Colorado for Manufactured (Mobile) Homes, Factory Built Homes, and Camper Trailers and Coaches. Standards developed include Snow Load Design Data for Colorado and a comprehensive program for Factory Built Housing that is approved by FHA, Category III. These and other programs reference and adopt ICBO Codes, the National Electrical Code, HUD Manufactured Home Construction and Safety Standards, NFPA/ANSI A119.2 and other applicable standards. A list of Recognized Testing Agencies is maintained.

Testing, Inspection, Certification

All programs involve complete plan review, plant certification, product inspection, and consumer complaint service.

Availability

From the address above.

CONNECTICUT Department of Administrative Services

Bureau of Purchases
Standards and Tests Section
Chief of Standards and Tests
460 Silver Street, P.O. Box 1141
Middletown, Connecticut 06457
(203) 344-2036

Established

1952

Quantity	87 Standards and/or Specifications developed Numerous Federal, ASTM, Institutional Meat Purchase Specifications (IMPS), ASHRAE, IATLC, and standards developed by other organizations have been adopted 220 Acceptable Brands List
Standardization Program	Standards, Specifications, and Acceptable Brands Lists are developed by approximately 30 Advisory Committees whose membership consists of about 300 representatives of using agencies, purchasing officers, and standards engineers. Industry representatives consult with the Committees but have no vote on Committee actions. Finalized approved standards are adopted by the Standardization Committee (elected and appointed officials designated by the Governor) and become mandatory when adopted. All such documents are reviewed on a regular basis and revised, amended, or withdrawn following the same procedures.
Testing, Inspection, Certification	All deliveries to the State Central Warehouse are checked by Section Inspectors for conformity to Standards. All meats are inspected by USDA as are most canned fruits and vegetables, fresh produce, poultry, eggs, and dairy products. Where inspection for conformance to specifications cannot be performed "in-house," other Federal and state laboratories, as well as some independent laboratories, test and certify compliance.
Value	Approximately 75% of all contracts awarded by the Bureau are based on standards, specifications, and/or Acceptable Brands Lists developed by the Standards program described above. The value of those awards exceeds \$80 million per year.
Availability	A listing of all standards, specifications, and ABL's is available on request to the address above.

FLORIDA Department of General Services

Division of Purchasing
Bureau of Standards
Larson Building, Room 613
Tallahassee, Florida 32301
(904) 488-2773

Established	1968
Quantity	5,536 standards developed 407 standards adopted 2,431 acceptable products lists
Standardization Program	<p>This program is designed to standardize the many high-volume common items purchased by various State agencies. Standardization is accomplished first by preparing specifications which reflect minimum requirements consistent with the present state of the art offered by manufacturers and secondly, by inspection and test of quality standard product (pre-bid sample). Random samples are tested, using the same inspection and test criteria to assure product integrity throughout the term of a contract.</p> <p>The Division of Purchasing has published 5,536 standards covering a wide variety of items. When completed, these standards are promulgated with copies being sent to the National Bureau of Standards, General Services Administration, National Association of State Purchasing Officials, National Association of Purchasing Management, National Institute of Governmental Purchasing, and the American Society for Testing and Materials.</p>
Testing, Inspection, Certification	The Division has established, in coordination with the Florida Department of Agriculture and Consumer Services, a Commodity Testing Laboratory for the purpose of obtaining quantitative and

qualitative reports and analyses of bid, random, and research samples.

Value State purchases in excess of \$140 million annually are in accordance with standards developed or adopted by this program.

Availability From the address above.

IDAHO Department of Administration

Division of Purchasing
650 West State Street
Room 100
Boise, Idaho 83720
(208) 334-2465

Established 1972

Quantity 80 standards developed
170 standards adopted
10 acceptable products lists

Standardization Program The State of Idaho Standardization Committee was initially comprised of end user agencies and several vendors of food products in 1972. In 1976, commodity groups were expanded and assigned review dates for each item.

Significant benefits are derived by adopting standards of other organizations; i.e., ASTM, NASPO, National Institute of Governmental Purchasing (NIGP), and the International Coalition for Procurement Standards. ICPS BULLETIN brings together representatives of national and international purchasing associations and their affiliates into an organization through which they can communicate, cooperate, and join in the coordinated activities of recognized standards development organizations. The ICPS BULLETIN also features reports of on-going standards activities that are of interest to the purchasing community.

Testing, Inspection, Certification Testing is performed mainly by the Idaho Transportation Department in the areas of stripping paint and pre-qualification of vendors.

Use of Other Agencies All meat items are selected and inspected by the USDA, including poultry purchases.

Availability The State of Idaho Transportation Department has a Standard Specification for highway construction manual. Other standards are available from the address above.

ILLINOIS Department of Central Management Services

Procurement Services Division
801 State Office Building
Springfield, Illinois 62706
(217) 782-4705

Quantity State purchasing agents of this division (buyers) write specifications for various commodity and equipment items. There are currently over 90 standard specifications for commodities and products for the State of Illinois.

Standardization Program The Procurement Services Division of the Department of Central Management Services is responsible for purchasing commodities and equipment, and formulating specifications for all State agencies except for the universities. In the case of highly sophisticated equipment, the purchasing agents work with the

engineers associated with the agency using such items. Agents may also meet with manufacturers to discuss new specifications or the need to update old ones. Specifications established by this office are sent to all appropriate State agencies.

IOWA General Services Department

Purchasing Division
Hoover State Office Building
Des Moines, Iowa 50319
(515) 281-3089

Established 1972

Standardization Program Although authority for developing standards programs exists in Chapter 18, The Code of Iowa, no program has ever been funded. The department depends on standards and specifications prepared by other states and organizations, such as NBS, ASTM, NASPO, and National Institute of Governmental Purchasing (NIGP).

Value Total annual purchases of goods and services by the Department of General Services is approximately \$40 million.

MAINE Finance and Administration

Materials Testing Laboratory
Bureau of Purchases
State Office Building
Station No. 9
Augusta, Maine 04333
(207) 289-3641

Established 1959

Quantity 115 standards developed
200 standards adopted
25 acceptable products lists

Standardization Program Specifications are developed by the State Materials Examiner unilaterally or in cooperation with the using agency and representatives of industry. These specifications are reviewed on an as needed basis. Acceptable Products Lists (APL's), developed from these specifications, are reviewed at least yearly.

Testing, Inspection, Certification The Materials Testing Laboratory under the direction of the Materials Examiner undertakes the physical inspection, testing, and analysis of all commodities purchased by the State under the Standards program. Chemical, physical, and light reflection testing as well as food grading is performed in the laboratory.

Use of Other Agencies The State Department of Agriculture is responsible for the testing and certification of seeds, fertilizers, eggs, meats, milk, fresh vegetables, and pesticides sold in the State. Nearly half of the canned fruits, vegetables, and juices are graded by USDA and a certificate furnished with each shipment. The remaining canned goods are graded "in house."

Value Approximately \$25 million of the State's \$61 million purchases for fiscal year 1982-83 were made under the Standards program.

Availability All of the State developed specifications, standards, and APLs are available from the address above.

MARYLAND Department of General Services

Purchasing Bureau
Standards Section
301 West Preston Street
Baltimore, Maryland 21201
(301) 383-3644

Established 1973

Quantity 26 standards developed
4 standards adopted
3 acceptable products lists

Standardization Program Standards are applied in furniture, janitorial supplies, insecticides, paper products, safety clothing, portable and mobile radios, lawn mowers, and floor machines.

Standards are developed by determining basic needs of agencies, contacts with other governmental agencies and extensive input from industry.

Use of Other Agencies State Department of Agriculture
State Highway Administration -- Division of Materials and Research, Bureau of Equipment

Availability From the address above.

MICHIGAN Management and Budget

Purchasing Division
Standards Section
P.O. Box 30026
Lansing, Michigan 48909
(517) 373-0322

Established 1948

Quantity 215 standards developed
17 standards adopted
13 acceptable products lists

Standardization Program Specifications are developed by the Standards Section with input from buyers, using agencies, and industry. The committee approach with representatives from using agencies is also used. This has proved effective for commodities used by all agencies. All specifications are reviewed and updated on a continuing basis.

Testing, Inspection, Certification Limited state-owned testing facilities are available. Outside testing is done by recognized testing laboratories. In some cases, certification listing by laboratories such as UL, Air Filter Testing Laboratories, Inc. or Air-Conditioning and Refrigeration Institute (ARI) is required.

Use of Other Agencies Meats are purchased using Institutional Meat Purchase Specifications (IMPS) in conjunction with USDA inspection prior to shipment. Poultry are USDA inspected. Canned fruits, vegetables, and juices are graded by USDA and certificates are furnished.

Value During the 1982-83 fiscal year \$160 million was spent; approximately 50% was under the Standards program.

Availability Specifications and approved brands are listed in the Michigan Specification Index, National Association of State Purchasing Officials (NASPO). Specifications are available from NASPO and the address above.

MISSISSIPPI Commission of Budget and Accounting

Division of Purchase Supervision
904 Sillers Building
Jackson, Mississippi 39202
(601) 359-3409

Established 1963

Quantity 15 standards developed
10 standards adopted
25 acceptable products lists

Standardization Program Specifications are developed by the Division of Purchase Supervision staff in committee and are based on requirements and information from using agencies, private industry, and other states' specifications. Specifications are revised periodically as needs and industry specifications change. Specification development has concentrated on vehicles, tires, fine paper, floor products, janitorial supplies, air conditioners, office supplies, and copiers.

Use of Other Agencies NASPO, National Institute of Governmental Purchasing (NIGP), ASTM, other Mississippi State Agencies, other States, GSA, USDA.

Availability From the address above.

MISSOURI Office of Administration

Division of Purchasing
P.O. Box 809
Jefferson City, Missouri 65102
(314) 751-3273

Established Mid 1930's

Standardization Program Standardization activities center around issuing statewide standard requirement contracts for high value common items or services commonly used by state agencies and local government. There are presently 126 contracts covering several thousand line items. The specifications and standards used in these contracts are developed by the buyers; however, they enlist the cooperation of using state agencies and manufacturers in the establishment, maintenance and revision of these specifications. The committee approach has been particularly effective for the purchase of pharmaceuticals, hospital supplies, food, and vehicles.

Testing, Inspection, Certification The Purchasing Division is responsible for coordinating the inspection of all purchases in cooperation with the receiving agencies. However, major responsibility for inspection must rest with agency personnel in the field where commodities are received. To assist the agencies in this function, the Division of Purchasing has issued a "Receiving and Inspection Manual."

Use of Other Agencies All meat items are processed under Institutional Meat Purchase Specifications (IMPS) and are selected and inspected by the United States Department of Agriculture (USDA) before shipment to the using agencies. Poultry purchases are also inspected by the USDA. Practically all canned fruits, vegetables, and juices are graded by the USDA and on 25 case lots or larger, a certificate is furnished with each shipment. Eggs are inspected and graded by either the federal or state inspectors. Butter and cheese are graded by the Federal Inspection and Grading Service.

Availability All statewide standard requirement contracts are furnished to the National Association of State Purchasing Officials and the National Institute of Governmental Purchasing, Inc. A listing of

these contracts is published monthly by the Division of Purchasing. Copies of these contracts will be furnished upon request to the address above.

MONTANA Department of Administration, Purchasing Division

State Purchasing Bureau
Mitchell Building
Helena, Montana 59620
(406) 444-2575

Established

1979

Standardization Program

Specifications are annually reviewed by representatives of the user agencies, appropriate committees and the Purchasing Bureau. Revisions are made according to the agencies' immediate requirements, current industry standards, and competitive bid requirements.

Testing, Inspection, Certification

The Bureau does not have testing facilities, but has statutory authority to have testing performed by the Department of Highways and University Units. Each receiving agency is responsible for the receipt of materials or service in compliance with the specifications and terms of award.

Use of Other Agencies

Meat and canned food requirements are processed according to the Federal Institutional Meat Purchase Specifications and U.S. Department of Agriculture.

Value

Approximately 30% of the State's \$48 million of purchases for fiscal year 1983 were processed under this program.

Availability

From the address above.

NEW HAMPSHIRE Administration and Control Department

Purchase and Property Division
Standards and Specifications
State House Annex
Concord, New Hampshire 03301-6398
(603) 271-3606

Established

1980

Quantity

160 standards developed
2 acceptable products lists

Standardization Program

Specifications are developed by the Standards and Specifications Officer in cooperation with representatives of major state agencies that are users of the product. Consultation with industry is a primary source for technical data. Federal Standards/Specifications are used occasionally in state specifications.

Testing, Inspection, Certification

Inspections and Standards Coordinator makes physical inspections of delivered products, uses laboratory facilities of other state agencies as required. Provides testing results for products submitted for inclusion in acceptable brands lists.

Use of Other Agencies

All meats and poultry are processed under Institutional Meat Purchase Specifications, USDA approved. All canned foods are purchased as graded by USDA.

Availability

All specifications and acceptable brands lists are listed in an index. The index and specifications are available from the address above.

NEW JERSEY Treasury Department

New Jersey Purchase Bureau
Standards and Specification Section
135 West Hanover Street
CN 230
Trenton, New Jersey 08625
(609) 984-7048

Established 1956

Quantity Approximately 700 standards developed
Approximately 200 standards adopted

Standardization Program Standards and specifications are developed for all term contracts and all large dollar value purchases. Specifications are developed in cooperation with all interested users and industry representatives. Pre-bid conferences are held for most major procurements. Both users and suppliers are invited to participate. For the past eight years this process has been extended to procuring professional services with considerable success. Acceptable products lists were not used generally by the Purchase Bureau in the past but the thrust now is for increased use of QPL's and CID's to avoid customization of commodities for general use.

Testing, Inspection, Certification The Purchase Bureau maintains a Quality Assurance Laboratory with facilities for testing textiles, paint, chemicals, office supplies, and furniture. Inspection services are provided for all commodities delivered to the Bureau's Distribution Center, as well as motor vehicles purchased by the State. The inspection and testing staffs are available for investigating complaints against suppliers. Most inspections and complaint investigations are performed by the using agencies.

Use of Other Agencies The Standards and Specifications Section uses Federal Supply Service, ASTM, UL, USDA and other recognized standards in the development of specifications. Members of the Section are active in ASTM, NASPO, NIGP, and ICPS.

Value Total purchases exceeded \$469 million in fiscal year 1983. About 70% of these purchases were governed by our specifications.

Availability From the address above.
Phone inquiries are welcome.

NEW YORK Executive Department

Office of General Services
Division of Standards and Quality Control
NARESP, Corning Tower
Albany, New York 12242
(518) 474-3695

Established 1954

Quantity 2,500 standards developed

Standardization Program The Division is responsible for establishing Office of General Services (OGS) standards and specifications for equipment procured by the Division of Purchasing for all State agencies and departments of the State of New York including the State University. The Division of Standards and Quality Control includes an Engineering Specifications Bureau, an Inspection Bureau and Chemical, Physical, Electrical-Electronic and Light Reflectance Laboratories. Specifications are developed by the Specifications Bureau unilaterally or in cooperation with committees chaired by

the specification engineers and consisting of representatives of major State agencies which are users of the product under consideration, after consultation with industry. These are continuing committees which meet, to review and revise the applicable specification at least once a year or more often if the situation warrants. Items such as athletic equipment, grounds maintenance equipment, paint and wall covering materials, office furniture and equipment and others, are now under committee study and review. Some consideration is given to the development of qualified products or acceptable brands lists but this method of specifying is not currently emphasized. Term contracts issued against OGS standards and specifications are mandatory for State agencies and none but contract items may be purchased without specific OGS approval.

Value \$700 million in annual purchases, \$550 million are in accordance with this Standards and Quality Control Program.

Availability From the address above.

NEW YORK CITY Department of Buildings

Materials and Equipment Acceptance Division
250 Broadway
New York, New York 10007
(212) 248-8770

Established 1968 (with adoption of New Building Code)

Standardization Program Many existing ASTM, NFPA, UL, and other standards are adopted with modifications into the New York City Building Code. Revision of standards are with the approval of the New York City Board of Standards and Appeals, 80 Lafayette Street, New York, New York 10013. Telephone: (212) 566-5174. Acceptable Products Lists are maintained by the Materials and Equipment Acceptance Division. The department participates in the development of standards through membership on the ANSI Construction Standards Board.

Availability The New York City Building Code and referenced documents are available by calling (212) 248-8777; Acceptable Products Lists by contacting (212) 248-8717.

NORTH CAROLINA Administration Department

Division of Purchase and Contract
Standards Section
116 West Jones Street
Raleigh, North Carolina 27611
(919) 733-7624

Established 1959

Quantity 120 standards developed
25 standards adopted
19 acceptable products lists

Standardization Program The Standards Section is organized along commodity lines to implement its duty to establish specifications and standards. The head of the section is the Chief Standards Engineer, who is responsible for its administration under the direction of the Assistant State Purchasing Officer. The technical staff includes standards engineers and quality assurance representatives. Advice is offered to state agencies in technical matters when selecting equipment.

**Testing,
Inspection,
Certification**

The work of the section includes testing and evaluation of materials in the development of standards and specifications. Quality assurance representatives are assigned to designated areas of the state and they conduct acceptance inspections. Field service visits to agencies are scheduled to obtain performance results and offer assistance in procurement matters.

**Use of Other
Agencies**

Facilities of other state agencies and institutions are frequently utilized in the development of procurement standards. Advisory Committees include members who represent various state agencies.

Value

The value of goods and services procured through the Division of Purchase and Contract is approximately \$250 million annually.

Availability

From the address above.

OHIO Administrative Services, State Purchasing

Standards, Specifications, and Quality Control
364 South 4th Street
Columbus, Ohio 43216
(614) 466-4712

**Standardization
Program**

Specifications are developed by the Standards, Specifications, and Quality Control Unit consisting of standards engineers who, after determining the needs of various agencies, design the standards. The final product is reviewed and approved by the Chief, Standards, Specifications and Quality Control.

**Testing,
Inspection,
Certification**

Testing and inspection is conducted by Quality Control, however, either private labs and/or Government laboratories are used for any product evaluations.

**Use of Other
Agencies**

The Department of Agriculture's standards are used for quality purposes while buying food products such as meat, poultry, and fish.

Value

The total procurement annually conducted is worth approximately \$350 million dollars. About \$250 million in purchases were made under the standards program.

Availability

All specifications and standards are listed in the Index of Specifications which is available from the address above.

OREGON Department of General Services

Purchasing Division
Specifications Section
1230 State Street
Salem, Oregon 97310
(503) 378-4092

Established

1951

Quantity

140 standards developed
14 acceptable products lists

**Standardization
Program**

Specifications are developed by the Specifications Section unilaterally or in cooperation with committees composed of using state agencies and/or potential bidders. A booklet of State Standard Bid Paragraphs is maintained for standardization of bid wording and format, particularly contract-type bids. The Specifications Section also provides assistance to State Buyers, as required, on specification problems.

**Testing,
Inspection,
Certification**

A small testing laboratory is available for technical product testing particularly paint.

**Use of Other
Agencies**

Specifications issued by Government and nongovernment standards developing organizations are used, where appropriate, as direct bid references, or as the basis for State Specification development. These include Federal Specifications, other state's specifications, American Society for Testing and Materials, American National Standards Institute, etc.

Availability

All specifications and Qualified Products Lists are listed in "State of Oregon Index to Specifications and Qualified Products Lists." The Index is available, at no charge, from the address above.

PENNSYLVANIA Department of General Services

Bureau of Telecommunications and Standards
Standards and Specifications Division
2221 Forster Street
Harrisburg, Pennsylvania 17105
(717) 787-4707

Established

1929

Quantity

700 standards developed
200 standards adopted
300 acceptable products lists

**Standardization
Program**

Specifications are developed on a wide range of commodities, including, automobiles, electronic items, foods, furniture, textiles, chemicals, and others. All specifications must be approved by using agencies and the major suppliers or manufacturers prior to adoption.

**Testing,
Inspection,
Certification**

A fully staffed testing laboratory is maintained. It is responsible for testing bid and delivery samples, and recommends products for inclusion on acceptable products lists, after testing for conformance to specification.

**Use of Other
Agencies**

The program utilizes Federal and Military standards and specifications, ASTM and ANSI standards and specifications, and the facilities of NASPO, NIGP, and International Coalition for Procurement Standards.

Value

While exact figures are not available, at least half of the Commonwealth's \$375 million in purchases were made under the standards program.

Availability

From the address above.

RHODE ISLAND Administration Department

Division of Purchases
Standards and Inspection Section
301 Promenade Street
Providence, Rhode Island 02908
(401) 277-2156

Quantity

61 standards developed
49 acceptable products lists

**Standardization
Program**

Standards are applied to all commodities that lend themselves to contract purchasing, as well as items that are purchased in large quantities.

Testing, Inspection, Certification	A fully staffed inspection unit inspects after delivery. Agency receiving personnel check all deliveries.
Use of Other Agencies	USDA, USDC, UL, NBS, and others.
Availability	From the address above.

SOUTH DAKOTA Bureau of Administration, Purchasing and Printing

523 East Capital
Pierre, South Dakota 57501
(605) 773-3405

Quantity	125 standards developed 30 acceptable products lists
Standardization Program	Standards are developed by Purchasing and Printing independently, in conjunction with using agencies and/or by committee. Also obtained from other States, NIGP, ASTM, or the Federal Government.
Testing, Inspection, Certification	When required, testing or inspection is performed by appropriate state agencies, state labs, or within the university system. Occasionally an independent lab is used. Inspection is conducted on site by using agencies with or without assistance from Purchasing.
Availability	From the address above.

TENNESSEE Purchasing Division

Department of General Services
C2-202 Central Services Building
Nashville, Tennessee 37219
(615) 741-1035

Established	1972
Standardization Program	Statutes creating Tennessee's centralized purchasing agency also created a Board of Standards that is composed of the Comptroller of the Treasury, the Commissioner of Finance and Administration, and the Commissioner of General Services. It is the duty of the Board of Standards to develop policy and criteria under which specifications will be established and to examine and approve the rules and regulations governing the operation of the Department of General Services. The Department of General Services, Purchasing Division, is charged not only with the centralized procurement responsibility, but also with the supply management responsibility which includes the exercise of procurement controls over the operating departments and agencies. The statutes governing State purchasing have defined and extended the purchasing function to encompass the total supply concept including the application of standardization principles and the development of appropriate specifications and related documents.

TEXAS State Purchasing and General Services Commission

Specification Section, Purchasing Division
P.O. Box 13047
Austin, Texas 78711
(512) 475-2231

Established	1957
--------------------	------

Quantity 365 standards developed
72 acceptable products lists

Standardization Program Specifications are developed in cooperation with the Commission's purchasers and with the assistance of manufacturers, vendors, and other State Agency personnel. Before a final specification is issued, a proposed specification is routed to these organizations for their review and comments and suggestions.

Testing, Inspection, Certification Texas maintains an active Inspection program by sampling and inspecting commodities at the various using State agencies. Tests to determine conformance with advertised specifications are made by the Commission, other State Agencies, or commercial testing laboratories.

Use of Other Agencies Most meat items are processed under Institutional Meat Purchase Specifications and are selected and inspected by the United States Department of Agriculture (USDA) before shipment to the using State Agencies. Poultry purchases are also inspected by the USDA. Orders for "large" quantities of canned fruits, vegetables, and juices are also graded by the USDA, and, when requested, a certificate furnished with each shipment.

Value Approximately 15% of the States' estimated \$700 million purchases for fiscal year 1982-83 were made using standard Texas specifications.

Availability All specifications are listed in the Texas "Numerical Index of Texas Specifications". Acceptable Products Lists, Acceptable Raw Materials List, and Acceptable Brands Lists are also listed by class and item in this Index and are available from the address above.

WEST VIRGINIA Finance and Administration Department

Purchasing Division
Standards and Specifications Section
P.O. Box 5280, Capitol Station
Charleston, West Virginia 25311
(304) 348-2303

Established 1953

Quantity 63 standards developed
2 standards adopted
6 acceptable products lists

Standardization Program Specifications are developed by the Standards and Specifications Section unilaterally, and in cooperation with state agencies and manufacturers/suppliers. Specifications are reviewed and revised as necessary periodically to obtain competitive commercially available products.

Testing, Inspection, Certification Maintains an Inspection Section.

Use of Other Agencies Industry, Federal Specifications and Standards, Independent testing laboratories are used for evaluation and acceptance, particularly for furniture and chemicals. ASTM, ANSI, ASI, NFPA, SAE, and other standards are the basis for many state specifications.

Value Total procurement exceeds \$300 million annually. Approximately 50% of total expenditures is in accordance with the West Virginia Standards and Specifications Program.

Availability From the address above.

WISCONSIN Administration Department

State Bureau of Procurement
Chief, Procurement Section
P.O. Box 7867
Madison, Wisconsin 53711
(608) 266-1551

Established	1962
Quantity	348 standards developed
Standardization Program	Standards Committees in each major commodity area are formed under the direction of the commodity manager, involving users, technical experts, and agency purchasing officers; standards are reviewed, revised, and updated based on consensus.
Testing, Inspection, Certification	Testing is done when called for (i.e., purchases of paint, meat, fertilizer, coal). Inspection is done on receipt, by the receiving agency. Certification is minimized, to enhance competition, but is done as warranted (i.e., on meat grades).
Use of Other Agencies	ASTM, U.S. Department of Agriculture, National Bureau of Standards, NIGP, and NASPO standards are used extensively. Testing is done by Wisconsin agencies, (i.e., Department of Agriculture for fertilizers). Commercial laboratories are used, generally to resolve disputes.
Value	\$500 million annual total; approximately \$240 million based on standards.
Availability	From the address above.

5. SOURCES OF STANDARDS AND INFORMATION

Standards usually are obtained directly from the developing organization or from commercial distributors or government repositories. A number of libraries and standards organizations maintain major collections of standards that are open to the public. This section lists fourteen distributors of standards in this country and abroad and seven libraries and information centers. Union Lists detailing collections of standards at libraries within various geographic areas are also presented.

This information is provided as a service to readers seeking local sources for standards and related materials. It should be emphasized that no endorsement of comprehensiveness, quality, or cost should be inferred, and that potential users must perform their own evaluations.

5.1 DISTRIBUTORS

	Page
Allied Publishers	515
American National Standards Institute	515
American Technical Publishers	516
Book Supply Bureau	517
Document Engineering	517
Global Engineering	518
Government Printing Office	519
Heyden & Son	520
Information Handling Services	520
Information Marketing International	523
National Standards Association	524
National Technical Information Service	525
Naval Publications and Forms Center	526
Technical Standards Services	527

ALLIED PUBLISHERS PVT. LTD.

Mr. P. S. Narayanan

751 Mount Road
Madras 600 002
India

Telephone: 81844, 85629

Telex: Bombay 11 2090
Delhi 5153

Founded: 1934

**Type of
Organization**

Private for profit

**Types of
Standards**

U.S. GOVERNMENT:

Supplies any standards available through National Technical Information Service.

U.S. NONGOVERNMENT:

Society of Automotive Engineers

American Society for Testing and Materials

Medium

Paper, microfilm spools, and microfiche.

AMERICAN NATIONAL STANDARDS INSTITUTE

George Jassick, Sales Department

1430 Broadway
New York, New York 10018
(212) 345-3379

Telex: 42 42 96 ANSI UI

Founded: 1918

**Type of
Organization**

Nonprofit

**Number of
Standards**

8,500 U.S. Nongovernment
248,960 Other

**Types of
Standards**

U.S. NONGOVERNMENT:

8,500 American National Standards that deal with dimensions, ratings, terminology, symbols, test methods, and performance and safety requirements for materials, equipment, components, and a wide range of products.

INTERNATIONAL:

5,000 international standards issued by the International Organization for Standardization (ISO) and 700 issued by the International Electrotechnical Commission (IEC).

FOREIGN NATIONAL:

241,200 standards of 89 national standards organizations that are members of the International Organization for Standardization.

OTHER:

Draft Standards issued for vote by European Committee for Standardization (CEN) and the Electronic Components Committee of the European Committee for Electrotechnical Standardization (CENELEC).

60 standards of the International Commission for Conformity Certification of Electrical Equipment (CEE); and 2,000 standards of the Pan American Standards Commission (COPANT).

**Availability of
Prior Editions**

Recently superseded American National Standards available in microform from Information Handling Services (IHS).

Medium

Paper, microfilm cartridges, and microfiche.

Indexing

Indexes available from ANSI in paper include:

- Annual Catalog of American National Standards and supplements--subject and alphanumeric.

- Annual Catalogs issued by International Organization for Standardization; International Electrotechnical Commission (subject and alphanumeric) and a Keyword In Context Index of International Standards.

- Catalogs of national standards organizations of 55 countries, CEE, and COPANT.

**Related
Standards
Services**

ANSI coordinates the development of voluntary national standards; approves American National Standards; and represents U.S. interests in the International Organization for Standardization and the International Electrotechnical Commission.

**Foreign Sales
Offices for
U.S. Standards**

Member bodies of ISO in 72 countries.

American Technical Publishers, 68A Wilbury Way, Hitchin, Herts. SG4 0TP, England.

Book Supply Bureau, D-44 South Extension Part-1, New Delhi, India 110049.

Progressive International Agencies, P.O. Box 8069, Karachi 29, Pakistan.

AMERICAN TECHNICAL PUBLISHERS, LTD.

68A Wilbury Way
Hitchin Herts SG4 0TP
England

Telephone: 0462 31525

Telex: 825684 ATP G

Founded: 1980

**Type of
Organization**

Private for profit

**Number of
Standards**

15,000 U.S. nongovernment in stock

**Types of
Standards**

U.S. NONGOVERNMENT:

ACI American Concrete Institute
ANSI American National Standards Institute
ASAE American Society of Agricultural Engineers
ASTM American Society for Testing and Materials
EIA Electronic Industries Association

SAE Society of Automotive Engineers
TAPPI Technical Association of the Pulp and Paper Industry

Medium Paper and microfiche
Indexing Individual alpha-numeric indexes available.

BOOK SUPPLY BUREAU

C. Krishnan, Director

D44 South Extension 1
New Delhi 110 049
India
Telephone: 611 991

Founded: 1972

Type of Organization Private for profit

Types of Standards All current ANSI standards.

Availability of Prior Editions Current revisions only.

Medium Paper

Related Standards Services Issue monthly bulletin about new standards and/or amendments.

DOCUMENT ENGINEERING CO., INC.

Eric Molinari, Vice President

15210 Stacy Street
Van Nuys, California 91405
(213) 873-5566 &
(800) MIL-SPEC Telex: 66-2467

Founded: 1958

Type of Organization Private for profit

Number of Standards 75,000 U.S. Government
6,000 U.S. Nongovernment

Types of Standards U.S. GOVERNMENT:

All military standards, specifications, and related documents listed in the Department of Defense Index of Specifications and Standards.

U.S. NONGOVERNMENT:

American National Standards Institute, American Society for Testing and Materials, SAE, Aerospace Material Specifications, American Welding Society, Institute of Electrical and Electronics Engineers, Electronic Industries Association, Institute for Interconnecting and Packaging Electronic Circuits.

Availability of Prior Editions	Documents listed in the Department of Defense Cancelled Index related to the defense/aerospace industries.
Medium	Paper
Indexing	Indexes are conventional alpha-numeric, as well as numeric within Federal Supply Classes. All indexes are available on paper only.
Related Standards Services	Automatic Updating Service Military Sheet Form Standards (MS, AN, AND series) Service Qualified Products List Service
Trade Names	DECO

**GLOBAL ENGINEERING DOCUMENTS
DIVISION OF INFORMATION HANDLING SERVICES**

Oliver Thurman, Chief Operating Officer

2625 Hickory Street
Santa Ana, California 92707
(714) 540-9870
(800) 854-7179
Calif. (800) 854-7777 Telex: 692373

Founded: 1968

Type of Organization Private for profit

Number of Standards 40,000 U.S. Government
20,000 U.S. Nongovernment

Types of Standards U.S. GOVERNMENT:

All Military and Federal standards, specifications, handbooks, Commercial Item Descriptions (CID's), Data Item Descriptions (DID's), Qualified Products Lists (QPL's), directives and regulations including Armed Services Procurement Regulations/Defense Acquisition Regulations. Also all NATO standards and quality assurance publications, standardization publications of the Army, Navy, and Air Force, and Federal Acquisition Regulations.

Standards and related publications of the following Federal agencies are also stocked: NASA, NBS, Nuclear Regulatory Commission (NRC), COM, DOT, FAA, FCC, GPO, GSA, HUD, OSHA, and NTIS.

U.S. NONGOVERNMENT:

AAMI	Association for the Advancement of Medical Instrumentation
AATCC	American Association of Textile Chemists and Colorists
ACI	American Concrete Institute
AFBMA	Anti-Friction Bearing Manufacturers Association
AGA	American Gas Association
AGMA	American Gear Manufacturers Association
AI	Asphalt Institute
AICHE	American Institute of Chemical Engineers
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
ANS	American Nuclear Society
ANSI	American National Standards Institute
API	American Petroleum Institute

AREA	American Railway Engineering Association
ARI	Air Conditioning and Refrigeration Institute
ARINC	Aeronautical Radio, Incorporated
ASAE	American Society of Agricultural Engineers
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers
ASME	American Society of Mechanical Engineers
ASQC	American Society for Quality Control
ASTM	American Society for Testing and Materials
AWS	American Welding Society
AWWA	American Water Works Association
CGA	Compressed Gas Association
EIA	Electronic Industries Association
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
IPC	The Institute for Interconnecting and Packaging Electronic Circuits
ISA	Instrument Society of America
JIC	Joint Industrial Council
MSS	Manufacturers Standardization Society of the Valve and Fittings Industry
NAS	National Aerospace Standards
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
NFPA	National Fluid Power Association
RTCA	Radio Technical Commission for Aeronautics
SAE	Society of Automotive Engineers
TAPPI	Technical Association of the Pulp and Paper Industry
UL	Underwriters Laboratories

INTERNATIONAL:

IEC	International Electrotechnical Committee
ISO	International Standards Organization
ECMA	European Computer Manufacturers Association

FOREIGN NATIONAL:

DIN	German Standards (English translations only)
BS	British Standards
JIS	Japanese Industrial Standards

Availability of Prior Editions Global has many superseded documents, some dating back to 1946. Stock practically all prior issues of DODISS documents.

Medium Paper

Indexing No index available. Availability can be ascertained by phone.

Related Standards Services Limited research capability

GOVERNMENT PRINTING OFFICE

Superintendent of Documents
Washington, D.C. 20402
(202) 783-3238

Founded: 1895

Type of Organization Governmental

**Types of
Standards**

Neither the GPO nor the Superintendent of Documents issues or publishes standards per se. However, as the principal sales agency for Government publications, the Superintendent of Documents' inventory of available publications contains hundreds that relate to standards or which contain standards issued by the various Departments and agencies of the Government. A few examples of the publications available are: The Department of Defense Index of Specifications and Standards; Standards for Specifying Construction of Airports; Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects; Government Paper Specifications Standards.

The DOD's Military Specifications and Standards and GSA's Federal Specifications and Standards are not available from GPO. Only the indexes for these publications are distributed by GPO. The standards and specifications are available from Naval Publications and Forms Center and the GSA Specifications Unit, respectively.

Medium

Paper

HEYDEN & SON INCORPORATED

Nina Summon, Executive Vice President

247 South 41st Street
Philadelphia, Pennsylvania 19104
(215) 382-6673 Telex: 4761047

Founded: 1978

**Type of
Organization**

Private for profit

**Types of
Standards**

FOREIGN NATIONAL:

The 3,300 English translations of DIN Standards (Deutsche Normen and Norm-Entwurfe).

Medium

Paper

Indexing

A numerical index lists all DIN numbers with issue date, and subject group number. The subject index (German and English) lists, in alphabetical order, one or several descriptions selected from the title of a standard or technical rule and the corresponding subject group number.

**Related
Standards
Services**

Also stock several DIN Publications in English including the DIN Catalog of Technical Rules (annual) and the English Translations of German Standards Catalog (annual). Special orders for any standard available in German through a weekly air express system.

INFORMATION HANDLING SERVICES

Jay Jordan, Vice President, Sales

15 Inverness Way East
Englewood, Colorado 80150
(303) 790-0600 Telex: 4322083 IHS UI

Founded: 1959

**Type of
Organization**

Private for profit

**Number of
Standards**

170,000 U.S. Government
28,000 U.S. Nongovernment
35,000 Other

**Types of
Standards**

U.S. GOVERNMENT:

All Military Standards, Specifications and related documents,
Federal Standards, Specifications and related documents,
Federal Construction Regulations and Standards,
Federal Aviation Administration Standards,
Veterans Administration Specifications,
Nuclear Regulatory Commission Regulations and Standards.

U.S. NONGOVERNMENT:

Aeronautical Radio, Inc.
Aerospace Industries Association of America, Inc. (NAS)
Air-Conditioning and Refrigeration Institute
American Association of State Highway and Transportation
Officials
American Concrete Institute
American Gas Association
American Gear Manufacturers Association
American Institute of Architects
American Institute of Chemical Engineers
American Institute of Steel Construction, Inc.
American National Standards Institute
American Nuclear Society
American Petroleum Institute
American Railway Engineering Association
American Society of Agricultural Engineers
American Society of Civil Engineers
American Society of Heating, Refrigerating and Air-Conditioning
Engineers
American Society of Mechanical Engineers
American Society for Nondestructive Testing
American Society for Quality Control
American Society of Sanitary Engineering
American Society for Testing and Materials
American Water Works Association
American Welding Society
Anti-Friction Bearing Manufacturers Association
Asphalt Institute
Association for the Advancement of Medical Instrumentation
Compressed Gas Association, Inc.
Electronic Industries Association
Gas Processors' Association
Illuminating Engineering Society
Institute of Electrical and Electronics Engineers
Institute for Interconnecting and Packaging Electronic Circuits
Instrument Society of America
Manufacturers Standardization Society of the Valve and Fittings
Industry
National Association of Corrosion Engineers
National Electrical Manufacturers Association
National Fire Protection Association
National Fluid Power Association
Nuclear Regulatory Commission Service
Pipe Fabrication Institute
Radio Technical Commission for Aeronautics
Semiconductor Equipment and Materials Institute, Inc.
Sheet Metal & Air Conditioning Contractors' National
Association, Inc.
Society of Automotive Engineers
Technical Association of the Pulp and Paper Industry
Underwriters Laboratories, Inc.

INTERNATIONAL AND REGIONAL:

NATO Standardization Documents
International Consultative Committee for Telegraph and Telephone (CCITT)
European Computer Manufacturers Association (ECMA)
Association of European Aerospace Manufacturers (AECMA)
European Economic Community Norms (EN's)
International Electrotechnical Commission (IEC)
International Organization for Standardization (ISO)

FOREIGN NATIONAL:

British Aircraft Manufacturers Association
British Standards Institution
Canadian General Standards Board
Canadian Standards Association
Deutsches Institut für Normung (DIN)
Japanese Industrial Standards
Saudi Arabian Standards Organization
Standards Association of Australia

Availability of Prior Editions	American National Standards Institute	1970 to date
	American Petroleum Institute (Production)	1924 to date
	American Society of Mechanical Engineers	1968 to date
	American Society for Testing and Material	1970 to date
	Institute of Electrical and Electronic Engineers	1970 to date
	National Electrical Manufacturers Association	1970 to date
	National Fire Protection Association	1896 to date
Medium	Microfilm cartridges and microfiche	
Indexing	Alpha-Numeric; Subject. Recently published a massive cross-index of nongovernment standards under more than 4,000 subject headings. Includes a concordance of more than 12,000 ANSI pre-1978 designations with their current numbers.	
Related Standards Services	TECH DATA, an online database of citations of more than 140,000 standards, is available through IHS and Bibliographic Retrieval Service throughout the world. This enables users to quickly determine if pertinent standards exist.	
Foreign Sales	Argentina - AMCO MICROFILM S.R.L., Buenos Aires Australia - ACEL PTY. LTD., North Sydney - ACEL PTY. LTD., Victoria Brazil - RWK LTDA, Miami Canada - CANADIAN ENGINEERING PUBLICATIONS, LTD., Ontario Chile - CIDES LTDA., Santiago Peoples Republic Of China - BEST ENGINEERING CO., LTD, Hong Kong Columbia - ENLACE LTDA., Bogota Denmark - T.I. SORENSEN, Copenhagen Finland - FINNISH STANDARDS ASSOCIATION, Helsinki France - FILMADOC, Paris Germany - DIN DEUTSCHES INSTITUT FÜR NORMUNG e.V, Berlin Greece - PETER A. SPANAKOS, Athens Israel - N.P.K. NEIDA LTD., Tel Aviv Italy - E. GIOVARETTI, Roncole Japan - INFORMATION HANDLING SERVICES, Tokyo Korea - SAM JIN COMMERCIAL CO., Seoul Malaysia - UNITED TECHNOLOGY, Kuala Lumpur Mexico - INFYTEC, S.A., Apartado Postal Peru - INTERNATIONAL SUPPLY AND SERVICES, Lima Philippines - MR. STEVE CHU, Quezon City Saudi Arabia - RAQTAN TRADING EST., Al-Khobar Singapore - FLITE INDUSTRIES LTD., Loyang Crescent South Africa - SPECIFILE, Johannesburg	

Spain - FEDERICO PENA, Madrid
 Sweden - SAE AGENTURER AB, Stockholm
 Switzerland - DRAGOMIR BERBEROVIC, Baar
 Taiwan - TRANS TAIWAN INTERNATIONAL CORP., LTD., Taipei
 Venezuela - SISTECA, Caracas
 United Kingdom - INFORMATION INDUSTRIES LTD., Berkshire
 West Germany - HERRN GUNTER SCHUY, Miesback

Trade Names VSMF

INFORMATION MARKETING INTERNATIONAL

Herbert C. Cohen, Executive Vice President

13271 Northend Street
 Oak Park, Michigan 48237
 (313) 546-6706 Telex: 230180

Founded: 1980

Type of Organization Private for profit

Number of Standards 65,000 U.S. Government
 19,000 U.S. Nongovernment

Types of Standards U.S. GOVERNMENT:

All military and federal standards, specifications, and related documents listed in the Department of Defense Index of Specifications and Standards.

U.S. NONGOVERNMENT:

ARINC Aeronautical Radio, Inc.
 AIA Aerospace Industries Association of America/National Aerospace Standards (NAS)
 ARI Air-Conditioning and Refrigeration Institute
 AGA American Gas Association
 AGMA American Gear Manufacturers Association
 ANSI American National Standards Institute
 ASTM American Society for Testing and Materials
 ASCE American Society of Civil Engineers
 ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers
 ASME American Society of Mechanical Engineers
 AWWA American Water Works Association
 AWS American Welding Society
 AFBMA Anti-Friction Bearing Manufacturers Association
 EIA Electronic Industries Association
 IES Illuminating Engineering Society of North America
 IPC The Institute for Interconnecting and Packaging of Electronic Circuits
 ISA Instrument Society of America
 MSS Manufacturers Standardization Society of the Valve and Fittings Industry, Inc.
 MPTA Mechanical Power Transmission Association
 NFPA National Fire Protection Association
 NFPA National Fluid Power Association
 RTCA Radio Technical Commission for Aeronautics
 SAE Society of Automotive Engineers
 SDI Steel Door Institute
 TAPPI Technical Association of the Pulp and Paper Industry
 UL Underwriters Laboratories

Medium Paper, microfilm cartridges, microfilm spools, and microfiche.

Indexing Indexes are conventional Alpha-Numeric, as well as Numeric within Federal Supply Classes. All indexes are available on paper.

NATIONAL STANDARDS ASSOCIATION

Peter Tordoir, Vice President

5161 River Road
Bethesda, Maryland 20816
(301) 951-1380

Telex: 89-8452 DISCINC BHDA

Founded: 1946

**Type of
Organization**

Private for profit

**Number of
Standards**

74,562 U.S. Government
29,000 U.S. Nongovernment

**Types of
Standards**

U.S. GOVERNMENT:

All Military and Federal standards, specifications, and related documents listed in the Department of Defense Index of Specifications and Standards, including AN's, MS's, QPL's, Handbooks plus NATO, and related standards.

U.S. NONGOVERNMENT:

AIA	Aerospace Industries Association (NAS's)
ARI	Air Conditioning and Refrigeration Institute
ACI	American Concrete Institute
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
AWWA	American Water Works Association
AWS	American Welding Society
AFBMA	Anti-Friction Bearing Manufacturers Association
ISA	Instrument Society of America
MSS	Manufacturers Standardization Society of the Valve and Fittings Industry
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
RTCA	Radio Technical Commission for Aeronautics
SAE	Society of Automotive Engineers
UL	Underwriters Laboratories

INTERNATIONAL:

International Electrotechnical Commission (IEC)
International Organization for Standardization (ISO)

FOREIGN NATIONAL:

British, BSI
German, DIN
Japanese, JIS

**Availability of
Prior Editions**

Military specifications and standards dating back to the early 1940's.

Medium

Paper, microfilm cartridges and microfiche.

NAVAL PUBLICATIONS AND FORMS CENTER

Mrs. Alice S. Bell

5801 Tabor Avenue
Philadelphia, Pennsylvania 19120
(215) 697-5637 Telex: 834295

Urgent Requests (215) 697-3321 Western Union (710) 670-1685

Type of Organization

Governmental

Number of Standards

41,584 U.S. Government
3,215 U.S. Nongovernment
1,212 Other

Types of Standards

U.S. GOVERNMENT:

All military and federal standards, specifications and related documents listed in the Department of Defense Index of Specifications and Standards.

U.S. NONGOVERNMENT:

Standards are provided to DoD Agencies ONLY. These include:

Aerospace Industries Association, National Aerospace Standards
American National Standards Institute
American Society of Mechanical Engineers
American Society for Testing and Materials
American Welding Society

INTERNATIONAL:

NATO Standardization Agreements

Availability of Prior Editions

Superseded or cancelled documents must be ordered from the procurement or contracting officer of a military activity citing need for the document.

Medium

Paper

Indexing

The Department of Defense Index of Specifications and Standards is available in printed book form and microfiche. It is a three part listing: alpha, numeric, as well as numeric within Federal Supply Classes.

The printed edition is available from: Government Printing Office, Washington, D.C. 20402.

The microfiche edition is available from: Director, Navy Publications and Printing Service Office, 700 Robbins Avenue, Philadelphia, Pennsylvania 19111. Both media are available to DoD activities from NPFC.

Related Standards Services

New and/or revised releases of Military and Federal Specifications and Standards (including Qualified Products Lists) which are to be listed in the DODISS are available on the subscription basis for a single class or for as many individual classes as the subscriber chooses upon payment of a subscription fee per Federal Supply Class. The subscriber will receive one copy each of all new or revised documents for a one-year period after the effective subscription date. Documents issued prior to the subscription date must be ordered individually from NPFC.

TECHNICAL STANDARDS SERVICES, LTD.

David C. Crombie, Director

17 Temple Street
Aylesbury Bucks, England
HP 20 2RN
Telephone: 0296-34371

Telex: 837953 TECH G

Founded: 1982

**Type of
Organization**

Private for profit

**Types of
Standards**

U.S. GOVERNMENT:

All Military and Federal standards, specifications and related documents, listed in the Department of Defense Index of Specifications and Standards.

U.S. NONGOVERNMENT:

All standards and specifications currently available.

FOREIGN NATIONAL:

Swedish, Canadian, British, German, and Spanish.

Medium

PAPER AND MICROFICHE

5.2 INFORMATION CENTERS AND LIBRARIES

	Page
ASTM Information Center	531
Engineering Societies Library	531
James Jerome Hill Reference Library	532
Linda Hall Library	533
Morgan Technical Library	533
National Center for Standards and Certification Information	534
Nuclear Standards Management Center	535

ASTM INFORMATION CENTER

Dolores G. Cullyer, Administrator

AMERICAN SOCIETY FOR TESTING AND MATERIALS

1916 Race Street

Philadelphia, Pennsylvania 19103

(215) 299-5475

Telex: 710-670-1037

Founded: 1898

Type of Organization

Nonprofit

Types of Standards

U.S. NONGOVERNMENT:

All ASTM and ANSI standards

INTERNATIONAL:

A.1 ISO standards

Medium

Paper

Related Standards Services

Handle telephone and mail inquiries on standards

ENGINEERING SOCIETIES LIBRARY

S. K. Cabeen, Director

345 East 47th Street

New York, New York 10017

(212) 705-7611

Founded: 1913

Type of Organization

Nonprofit

Types of Standards

U.S. NONGOVERNMENT:

ANSI American National Standards Institute

ASHRAE American Society of Heating, Refrigerating and Air Conditioning Engineers

ASME American Society of Mechanical Engineers

AWS American Welding Society

IEEE Institute of Electrical and Electronics Engineers

NFPA National Fire Protection Association

Partial files on many others.

INTERNATIONAL:

IEC International Electrotechnical Commission

Preceding page blank

FOREIGN NATIONAL:

British Standards Institution
Canadian Standards Association
Deutsches Institut für Normung
Jugoslovenski Standard
Nederlands Normalisatie Instituut

Partial files on many others.

Availability of Prior Editions

Historic files are maintained of the following:

ANSI, ASHRAE, ASME, ASTM, AWS, IEEE, and IEC.

Medium

Paper

Indexing

Indexes are those supplied by issuing bodies.

Related Standards Services

Provide photocopies of out-of-print standards

JAMES JEROME HILL REFERENCE LIBRARY

Pat Ricci, Senior Reference Librarian

Fourth and Market Streets
Saint Paul, Minnesota 55102
(612) 227-9531

Founded: 1921

Type of Organization

Nonprofit

Number of Standards

15,000 U.S. Nongovernment

Types of Standards

U.S. GOVERNMENT:

Federal Information Processing Standards

U.S. NONGOVERNMENT:

200 standards developers including complete collections of:

ASTM American Society for Testing and Materials
ANSI American National Standards Institute
IEEE Institute of Electrical and Electronic Engineering
NFPA National Fire Protection Association
UL Underwriters Laboratories
NEMA National Electrical Manufacturers Association
SAE Society of Automotive Engineers
ASHRAE American Society of Heating, Refrigerating and Air
Conditioning Engineers
AWWA American Water Works Association

INTERNATIONAL:

CCITT, Partial
ISO, Complete
IEC, Complete

Availability of Prior Editions	ANSI, ASTM, NFPA, UL, IEEE, ASHRAE, IEC, and many others. All superseded issues have been retained since 1970.
Medium	All collections are on paper except ASTM which is on microfiche.
Related Standards Services	Photocopy service

LINDA HALL LIBRARY

Wilma L. Hartman, Librarian for Public Services

5109 Cherry Street
Kansas City, Missouri 64110
(816) 363-4600

Founded: 1946

Type of Organization

Nonprofit

Number of Standards

100,000 Standards Total

Types of Standards

U.S. GOVERNMENT:

All Military and Federal specifications, standards, and related documents.

U.S. NONGOVERNMENT:

Two hundred professional, commercial or industrial agencies issuing standardization documents.

Availability of Prior Editions

American Society for Testing and Materials: Annual book of ASTM standards.
National Fire Protection Association: National fire codes.
American Society of Mechanical Engineers: ASME boiler and pressure vessel code.

Medium

Paper

Related Standards Services

Photocopy service

MORGAN TECHNICAL LIBRARY

Nancy Corrin, Manager

NATIONAL FIRE PROTECTION ASSOCIATION
Batterymarch Park, Room 251
Quincy, Massachusetts 02269
(617) 770-3000 Extension 445
Telex: 200250 NFPQ U R

Founded: 1945

Type of Organization

Nonprofit

**Types of
Standards**

U.S. NONGOVERNMENT:

NEMA National Electrical Manufacturers Association
NFPA National Fire Protection Association
UL Underwriters Laboratories

Partial files on approximately 30 other organizations, primarily those standards relating to fire safety.

U.S. GOVERNMENT:

Partial files on approximately 15 Federal agencies, primarily those standards relating to fire safety.

FOREIGN NATIONAL:

Partial files on approximately 8 foreign standards organizations, primarily those standards relating to fire safety.

INTERNATIONAL:

Partial file of standards relating to fire safety from:

ISO International Standards Organization
IEC International Electrotechnical Commission

**Availability of
Prior Editions**

Historic files are maintained for the National Fire Protection Association, 1896-

Medium

Paper for current files.
Microfiche for Historic Files.

Indexing

Indexes are those supplied by issuing body.

**Related
Standards
Services**

Provide photocopies of out-of-print National Fire Protection Association Standards. Authentication services available.

**NATIONAL CENTER FOR STANDARDS AND CERTIFICATION INFORMATION
NATIONAL BUREAU OF STANDARDS**

Room A633, Administration Building
National Bureau of Standards
Washington, D.C. 20234
(301) 921-2587 Telex: 898493 GARG

Founded: 1965

**Type of
Organization**

Government

**Number of
Standards**

NCSCI provides information on over 240,000 standards documents

**Types of
Standards in
Collection**

UNITED STATES:
industry and national (voluntary)
federal agency (voluntary and regulations)
state purchasing
federal purchasing

FOREIGN:
national
international
regional

Availability of Prior Editions Historical standards and specifications on microfilm (1970-date): ANSI, ASME, ASTM, API, NEMA, and NFPA Historical, unclassified military, and federal specifications and standards.

Medium Paper, microfilm cartridges and microfiche.

Indexing Computer-assisted indexing of standards titles in KWIC (key-word-in-context) format. An index of U.S. voluntary standards is available in microfiche or hard copy. Free product subject listings are often disseminated in response to inquiries.

Related Standards Services To respond to the needs of government, industry and the general public for information on domestic and foreign standards, regulations, certification, and other standards-related activities. To respond to foreign requests for information on existing U.S. standards and certification information. The objectives are accomplished by: maintaining a microform and hard copy collection of engineering standards and specifications, regulations, certification rules, directories, reference books and special publications; responding to inquiries on the existence, source, and availability of standards and related documents; developing and publishing lists, bibliographies and indexes of standards and related information; on-line search and retrieval of standards documents information. To the degree possible, respond to trade-related queries regarding regulations and other requirements of foreign countries for the export of U.S. manufactured products.

Service contacts:

Sara Wimsatt - responds to inquiries on standards and domestic regulations
Jane Tepper - responds to trade-related inquiries on foreign regulations
JoAnne Cverman - responds to Technical Barriers to Trade (TBT) inquiries on proposed foreign and domestic regulations

Telephone: (301) 921-2092

Recorded "Hotline" Information: (301) 921-3200

NUCLEAR STANDARDS MANAGEMENT CENTER

William L. Cooper, Jr., Manager

P.O. Box Y, Building 9204-1, M/S 10
Oak Ridge, Tennessee 37831
(615) 574-5208

Type of Organization Government

Types of Standards U.S. GOVERNMENT:

211 Nuclear Energy (NE) standards are published under the auspices of the U.S. Department of Energy. The standards are available to United States Government contractors and selected private industries engaged in the nuclear energy field.

Availability of Prior Editions Inactive and discontinued standards are available for information only on a "need" basis. Distribution of prior issues is based on the same policy.

Medium Paper and microfiche

Indexing A "Nuclear Standards Master Index" listing standard number, title, facility, cognizant engineer, and status is published semiannually (January and June).

**Related
Standards
Services**

1. "Nuclear Energy Standards KWIC Index" published annually.
2. "Requirements for Preparation and Management of DOE Nuclear Energy Program Standards Manual" updated as needed.
3. "Catalog of Specifications" published as needed.
4. Unusual Occurrence Reports (UOR) published monthly.
5. Unusual Occurrence KWIC index published as needed.
6. "Nuclear Standards Program Newsletter" published as needed.

**Foreign Sales
Offices for
U.S. Standards**

Nuclear Energy (NE) standards are not available for foreign distribution. An exception may be made for those foreign countries which have an exchange agreement with the U.S. Nuclear Regulatory Commission.

5.3 UNION LISTS OF STANDARDS

The Engineering Division of the Special Libraries Association has a project underway to identify various collections of standards available within geographic regions. Compilations of Union Lists that have been identified through 1983 are listed below.

California

1981 Union List of Specifications and Standards in California, Hawaii, Oregon, and Washington Libraries. California Library Authority for Systems and Services and Information on Demand.

Hawaii

see California.

Illinois

Standards, Specifications, and Codes available in the Chicago Area; a Union List. Compiled by a Task Force of the Science and Technology Interest Group of the Illinois Regional Library Council. March 1980.

Minnesota

Card file of holdings of twin Cities Standards Cooperators at the James J. Hill Reference Library. St. Paul, Minnesota.

Oregon

see California.

Tennessee

Standards, Specifications and Codes Available in Tennessee - A Union List. Paul H. Murphy, 1906 South Street, Apt. 702, Nashville, Tennessee 37212.

Texas

Union List of Standards, Specifications, and Codes in Selected Texas Libraries. Ed. by Edith P. Grisham. Texas Chapter, Special Libraries Association, 1978.

Washington

Union List of Standards. Pacific Northwest Chapter of SLA. 1982. see also California.

Wisconsin

A Union List of Standards Held in Wisconsin Collections. Library Council of Metropolitan Milwaukee, 814 West Wisconsin Avenue, Milwaukee, Wisconsin 53233.

6. SUBJECT INDEX AND RELATED LISTINGS

6.1 SUBJECT INDEX (ORGANIZATIONS BY MAJOR SUBJECTS)

Government and nongovernment organizations are listed in alphabetic order in their respective sections, and are listed here within forty-two subject categories. These categories were selected after reviewing the keywords of all entries.

	Page
Acoustics and Noise Control	545
Aerospace and Aviation	545
Agriculture	545
Air-Conditioning and Refrigeration	546
Building	546
Business, Finance, and Insurance	547
Communications	548
Concrete, Masonry, and Ceramic Products	548
Construction	549
Consumer Products	550
Data and Information Processing	551
Defense	551
Education	552
Electrical and Electronic Equipment	552
Energy	553
Environment	553
Facilities Management	553
Food and Beverages	554
General	554
Government Officials	555
Heating, Ventilating, and Air Handling	555
Industrial Equipment	555
Instruments and Laboratory Equipment	556
Machinery	556
Manufacturing	557
Materials and Finishes	557
Medical and Health Care	559
Medical Devices, Equipment, and Instruments	560
Office Products	560
Optics, Ophthalmic Products, and Eye Protection	560
Packaging and Paper	561
Photography	561
Plumbing	561
Public Health	562
Quality Assurance and Testing	562
Recreation and Sports	563
Safety, Fire Protection, and Public Safety	564
Sanitation	565
Social Welfare	566
Textiles and Clothing	566
Transportation	566
Wood and Wood Products	567

ACOUSTICS AND NOISE CONTROL

Acoustical Society of America
Air Movement and Control Association
American Helicopter Society
American Institute of Physics
American Speech-Language and Hearing Association
Association of Wall and Ceiling Industries - International
ETL Testing Laboratories
Federal Aviation Administration (DOT)
Home Ventilating Institute
International Tape/Disc Association
Lead Industries Association
National Environmental Balancing Bureau
Noise Control Products and Materials Association
Outdoor Power Equipment Institute
Snowmobile Safety and Certification Committee
Veterans Administration

AEROSPACE AND AVIATION

Aeronautical Radio, Incorporated
Aerospace Industries Association of America
Air Transport Association of America
Aircraft Locknut Manufacturers Association
Aircraft Owners and Pilots Association
American Helicopter Society
American Institute of Aeronautics and Astronautics
Department of Defense
Federal Aviation Administration (DOT)
Federal Coordinator for Meteorology (Commerce)
Flight Safety Foundation
General Aviation Manufacturers Association
Helicopter Association International
Radio Technical Commission for Aeronautics
Society of Automotive Engineers
Systems Engineering and Technology (NASA)

AGRICULTURE

Agricultural Marketing Service (USDA)
American Association of Cereal Chemists
American Association of Nurserymen
American Feed Manufacturers Association
American Society of Agricultural Engineers
American Sod Producers Association
American Soybean Association
Animal Health International
Association of American Feed Control Officials
Association of American Plant Food Control Officials
Association of Official Analytical Chemists
Association of Official Seed Analysts
Association of Official Seed Certifying Agencies
Barley and Malt Institute
Blue Anchor
Corn Refiners Association
DFA of California
Diamond Walnut Growers
Farm and Industrial Equipment Institute
Federal Grain Inspection Service (USDA)
Fertilizer Institute
Foreign Agricultural Service (USDA)
Grain Elevator and Processing Society
International Silo Association
International Society for Terrain-Vehicle Systems
Irrigation Association
Mill Mutual Fire Prevention Bureau

National Bark Producers Association
National Clay Pot Manufacturers Association
National Coffee Association of the U.S.A.
National Cotton Council of America
National Cottonseed Products Association
National Fertilizer Solutions Association
National Institute of Oilseed Products
National Soybean Processors Association
Outdoor Power Equipment Institute
Rice Millers Association

AIR-CONDITIONING AND REFRIGERATION

(Also see Heating, Ventilating and Air Handling)

Air Conditioning Contractors of America
Air-Conditioning and Refrigeration Institute
American Insurance Association
American Society of Heating, Refrigerating and Air-Conditioning Engineers
Automotive Refrigeration Products Institute
Commercial Refrigeration Manufacturers Association
ETL Testing Laboratories
International Institute of Ammonia Refrigeration
International Mobile Air Conditioning Association
Mechanical Contractors Association of America
National Association of Plumbing-Heating-Cooling Contractors
Sheet Metal, and Air Conditioning Contractors National Association
Solar Energy Industries Association
Veterans Administration

BUILDING

(Also see Air-Conditioning; Concrete; Heating; Plumbing; and Wood)

Air Diffusion Council
American Gas Association
American Hardwood Association
American Home Lighting Institute
American Institute of Architects
American Institute of Steel Construction
American Pipe Fittings Association
American Society of Civil Engineers
American Society of Mechanical Engineers
American Society of Plumbing Engineers
Architectural Aluminum Manufacturers Association
Asphalt Roofing Manufacturers Association
Associated General Contractors of America
Associated Locksmiths of America
Association of Wall and Ceiling Industries - International
Brick Institute of America
Builders Hardware Manufacturers Association
Building Energy Research and Development (DOE)
Building Owners and Managers Association International
Cellulose Industry Standards Enforcement Programs
Ceilings and Interior Systems Contractors Association
Concrete Reinforcing Steel Institute
Cultured Marble Institute
Department of Defense
Door and Hardware Institute
Door Operator and Remote Controls Manufacturers Association
Flat Glass Marketing Association
Garage Door Council
Gas Appliance Manufacturers Association
Glass Tempering Association
Housing and Urban Development, Department of
Illuminating Engineering Society of Northern America
Insulated Steel Door Systems Institute
International Association of Electrical Inspectors

International Association of Plumbing and Mechanical Officials
 International Conference of Building Officials
 Lightning Protection Institute
 Manufactured Housing Institute
 Maple Flooring Manufacturers Association
 Marble Institute of America
 Metal Building Manufacturers Association
 Mineral Insulation Manufacturers Association
 National Association of Architectural Metal Manufacturers
 National Association of Elevator Contractors
 National Association of Garage Door Manufacturers
 National Association of Industrial and Office Parks
 National Association of Plastic Fabricators
 National Burglar and Fire Alarm Association
 National Certification Program
 National Concrete Masonry Association
 National Conference of States on Building Codes and Standards
 National Easter Seal Society
 National Electrical Contractors Association
 National Elevator Industry
 National Environmental Balancing Bureau
 National Forest Products Association
 National Institute of Building Sciences
 National Lime Association
 National Roof Deck Contractors Association
 National Roofing Contractors Association
 National School Supply and Equipment Association
 Plumbing and Drainage Institute
 Resilient Floor Covering Institute
 Safety Glazing Certification Council
 Screen Manufacturers Association
 Sealed Insulating Glass Manufacturers Association
 Southern Building Code Congress International
 Steel Deck Institute
 Steel Door Institute
 Steel Joist Institute
 Steel Window Institute
 Thermal Insulation Manufacturers Association
 Tile Council of America
 United Lightning Protection Association
 Water Systems Council
 Wood and Synthetic Flooring Institute

BUSINESS, FINANCE, AND INSURANCE

Alliance of American Insurers
 American Bankers Association
 American Dental Trade Association
 American Insurance Association
 American National Metric Council
 American National Standards Institute
 American Statistical Association
 Association of American Railroads
 Bureau of the Mint (Treasury)
 Executive Office of the President
 Factory Mutual Research Corporation
 Federal Trade Commission
 Financial Accounting Standards Board
 Foreign Agricultural Service (USDA)
 Health Care Financing Administration (HHS)
 International Trade Administration (Commerce)
 Mill Mutual Fire Prevention Bureau
 National Association of Purchasing Management
 National Automobile Theft Bureau
 National Bureau of Standards (Commerce)
 National Cargo Bureau
 National Retail Merchants Association

Occupational Safety and Health Administration (Labor)
Project Management Institute
Transportation Data Coordinating Committee
U.S. Council for International Business
U.S. Customs Service (Treasury)
U.S. Patent and Trademark Office (Commerce)
U.S. Trade Representative, Executive Office of the President

COMMUNICATIONS

Advanced Television Systems Committee
Aeronautical Radio, Incorporated
Air Transport Association of America
American Association of Advertising Agencies
American National Standards Institute
Association of American Publishers
Association of American Railroads
Book Manufacturers Institute
Computer and Business Equipment Manufacturers Association
Council of National Library and Information Association
Department of Defense
Exchange Carriers Standards Association
Federal Communications Commission
Federal Coordinator for Meteorology (Commerce)
Graphic Communications Association
Gravure Technical Association
Information Resources Management (USDA)
Institute of Electrical and Electronics Engineers
Insulated Cable Engineers Association
International Communications Industries Association
International Municipal Signal Association
International Tape/Disc Association
Library Binding Institute
National Association of Broadcasters
National Bureau of Standards (Commerce)
National Cable Television Association
National Federation of Abstracting and Information Services
National Printing Ink Research Institute
National Telecommunications and Information Administration (Commerce)
Printing Industries of America
Radio Technical Commission for Aeronautics
Recording Industry Association of America
Rural Electrification Administration (USDA)
Semiconductor Equipment and Materials Institute
Society for Technical Communication
Society of Motion Picture and Television Engineers
Traffic Audit Bureau
United States Telephone Association
Western Electric Company

CONCRETE, MASONRY, AND CERAMIC PRODUCTS

American Concrete Institute
American Concrete Pavement Association
American Concrete Pipe Association
American Concrete Pressure Pipe Association
American Society for Testing and Materials
Architectural Precast Association
Brick Institute of America
Concrete Plant Manufacturers Bureau
Concrete Reinforcing Steel Institute
Control Systems Manufacturers Division
Dry Process Ceramic and Steatite Manufacturers Association
Expanded Shale, Clay and Slate Institute
Facing Tile Institute
International Masonry Institute

Masonry and Concrete Saw Manufacturers Institute
Methods and Materials Standards Association
Mo-Sai Institute
National Concrete Masonry Association
National Terrazzo and Mosaic Association
Plant Mixer Manufacturers Division
Portland Cement Association
Post-Tensioning Institute
Prestressed Concrete Institute
Stucco Manufacturers Association
Tile Council of America
Truck Mixer Manufacturers Bureau
Wire Reinforcement Institute

CONSTRUCTION

(See also Concrete)

American Association of State Highway and Transportation Officials
American Institute of Steel Construction
American Institute of Timber Construction
American Iron and Steel Institute
American Lumber Standards Committee
American Pipe Fittings Association
American Plywood Association
American Public Works Association
American Railway Engineering Association
American Road and Transportation Builders Association
American Society of Civil Engineers
American Society of Sanitary Engineering
American Water Works Association
American Wood-Preservers Association
American Wood-Preservers Bureau
Asphalt Institute
Asphalt Emulsion Manufacturers Association
Asphalt Roofing Manufacturers Association
Associated Air Balance Council
Associated General Contractors of America
Association of Asbestos Cement Pipe Producers
Association of Drilled Shaft Contractors
Association of Engineering Geologists
Association of Physical Plant Administrators of Universities and Colleges
Building Officials and Code Administrators International
Cast Iron Soil Pipe Institute
Chain Link Fence Manufacturers Institute
Concrete Plant Manufacturers Bureau
Construction Industry Manufacturers Association
Construction Specifications Institute
Contractors Pump Bureau
Control Systems Manufacturers Division
Department of Defense
Farm and Industrial Equipment Institute
Federal Highway Administration (DOT)
Gypsum Association
Hardwood Lumber Manufacturers of Pennsylvania
Hardwood Plywood Manufacturers Association
International Bridge, Tunnel and Turnpike Association
International Conference of Building Officials
International Fence Industry Association
Laborers International Union of North America
Materials Transportation Bureau (DOT)
Mechanical Contractors Association of America
Mo-Sai Institute
National Association of County Engineers
National Association of Industrial and Office Parks
National Association of Pipe Coating Applicators
National Clay Pipe Institute
National Concrete Masonry Association

National Corrugated Steel Pipe Association
 National Crushed Stone Association
 National Electrical Contractors Association
 National Forest Products Association
 National Lime Association
 National Slag Association
 National Terrazzo and Mosaic Association
 Occupational Safety and Health Administration (Labor)
 Pipe Line Contractors Association
 Plant Mixer Manufacturers Division (Concrete Plant Manufacturers Bureau)
 Plastics Pipe Institute
 Portland Cement Association
 Post-Tensioning Institute
 Powder Actuated Tool Manufacturers Institute
 Prestressed Concrete Institute
 Pulverized Limestone Association
 Scaffolding, Shoring and Forming Institute
 Southern Building Code Congress International
 Steel Tank Institute
 Test Boring Association
 Water Pollution Control Federation

CONSUMER PRODUCTS

American Gas Association
 American Home Economics Association
 American Home Lighting Institute
 American Ladder Institute
 American National Standards Institute
 American Society for Testing and Materials
 Association of Bedding and Furniture Law Officials
 Association of Home Appliance Manufacturers
 Building Energy Research and Development (DOE)
 Bureau of Competition and Consumer Protection (FTC)
 Carpet and Rug Institute
 Chemical Specialties Manufacturers Association
 Color Association of the United States
 Consumer Affairs (Commerce)
 Consumer Federation of America
 Consumer Product Safety Commission
 Cookware Manufacturers Association
 Cosmetic, Toiletry and Fragrance Association
 Crayon, Water Color and Craft Institute
 Department of Defense
 Electronic Industries Association
 ETL Testing Laboratories
 Food and Drug Administration (HHS)
 Gas Appliance Manufacturers Association
 Gas Processors Association
 Gemological Institute of America
 Hand Tools Institute
 International Fabricare Institute
 Jewelers Vigilance Committee
 Juvenile Products Manufacturers Association
 Manufacturing Jewelers and Silversmiths of America
 Metal Ladder Manufacturers Association
 National Association of Bedding Manufacturers
 National Association of Furniture Manufacturers
 National Association of Hosiery Manufacturers
 National Association of Jewelry Appraisers
 National Institute of Infant Services
 National Kerosene Heater Association
 National Knitwear Manufacturers Association
 National Retail Merchants Association
 National Safety Council
 National Spa and Pool Institute
 Building Energy Research and Development (DOE)

Outdoor Power Equipment Institute
Product Safety Association
Program Management (Consumer Product Safety Commission)
Slide Fastener Association
Sponge and Chamois Institute
Tire and Rim Association
Toy Manufacturers of America
Tube Council of Northern America
Underwriters Laboratories
United States Testing Company
Vacuum Cleaner Manufacturers Association
Veterans Administration
Water Quality Association

DATA AND INFORMATION PROCESSING

American Association of Petroleum Geologists
American Congress on Surveying and Mapping
American Institute for Design and Drafting
American National Standards Institute
American Statistical Association
Association for Computing Machinery
Association for Information and Image Management
Association of American Railroads
Association of Data Processing Service Organizations
Association of Records Managers and Administrators
Automated Systems Office (Library of Congress)
Bureau of the Census (Commerce)
Computer and Business Equipment Manufacturers Association
Construction Specifications Institute
Council of National Library and Information Association
Data Processing Management Association
Electronic Industries Association
Energy Information Administration (DOE)
Federal Coordinator for Meteorology (Commerce)
Financial Accounting Standards Board
Geological Survey (Interior)
Graphic Communications Association
Information Resources Management (USDA)
Institute of Electrical and Electronics Engineers
International Database Association
National Archives and Records Service (GSA)
National Bureau of Standards (Commerce)
National Federation of Abstracting and Information Services
National Technical Information Service (Commerce)
National Telecommunications and Information Services (Commerce)
National Wholesale Hardware Association
Printing Industries of America
Processing Services (Library of Congress)
Project Management Institute
Research Services (Library of Congress)
Society for Information Display
Special Libraries Association
Transportation Data Coordinating Committee
U.S. Geological Survey (Interior)
U.S. Patent and Trademark Office (Commerce)

DEFENSE

Aerospace Industries Association of America
American Defense Preparedness Association
American Helicopter Society
American National Metric Council
American National Standards Institute
American Society for Testing and Materials
Department of Defense

Electronic Industries Association
Helicopter Association International
Institute of Makers of Explosives
Institute of Nuclear Materials Management
Society of Automotive Engineers
Sporting Arms and Ammunitions Manufacturers Institute

EDUCATION

Accrediting Bureau of Health Education Schools
Advisory Commission on Textbook Specifications
American Library Association
American National Metric Council
American Optometric Association
American Podiatry Association
American Psychiatric Association
American Psychoanalytic Association
American Public Health Association
American Speech-Language and Hearing Association
Associated Master Barbers and Beauticians of America
Association for Education of the Visually Handicapped
Association of Physical Plant Administrators of Universities and Colleges
Book Manufacturers Institute
Crayon, Water Color and Craft Institute
National Association of State Textbook Administrators
National League for Nursing
National School Supply and Equipment Association
Special Libraries Association
U.S. Metric Association

ELECTRICAL AND ELECTRONIC EQUIPMENT

Aeronautical Radio, Incorporated
American Home Lighting Institute
American Society for Testing and Materials
Association of Edison Illuminating Companies
Association of Iron and Steel Engineers
Battery Council International
Certified Ballast Manufacturers
Edison Electric Institute
Electrical Apparatus Service Association
Electrical Generating Systems Marketing Association
Electronic Industries Association
ETL Testing Laboratories
Factory Mutual Research Corporation
Institute for Interconnecting and Packaging Electronic Circuits
Institute of Electrical and Electronics Engineers
Insulated Cable Engineers Association
International Brotherhood of Electrical Workers
International Municipal Signal Association
Lightning Protection Association
Magnetic Materials Producers Association
National Association of Relay Manufacturers
National Electrical Contractors Association
National Electrical Manufacturers Association
Occupational Safety and Health Administration (Labor)
Rural Electrification Administration (USDA)
Semiconductor Equipment and Materials Institute
Small Motor Manufacturing Association
Southwest Research Institute
Underwriters Laboratories
United Lightning Protection Association
Variable Resistive Components Institute

ENERGY

American Association of Petroleum Geologists
American Gas Association
American Nuclear Society
American Society of Heating, Refrigerating and Air-Conditioning Engineers
American Society of Mechanical Engineers
Association of Edison Illuminating Companies
Building Energy Research and Development (DOE)
Cellulose Industry Standards Enforcement Program
Defense Programs (DOE)
Edison Electric Institute
Electrical Generating Systems Marketing Association
Energy Information Administration
Environment, Safety and Health (DOE)
Gas Appliance Manufacturers Association
Gas Processors Association
Health Physics Society
Institute of Electrical and Electronics Engineers
Institute of Nuclear Materials Management
International District Heating Association
Mine Safety and Health Administration (Labor)
Mineral Insulation Manufacturers
Minerals Management Service (Interior)
National Conference of States on Building Codes and Standards
National Kerosene Heater Association
Nuclear Regulatory Commission
Rural Electrification Administration (USDA)
Solar Energy Industries Association
Thermal Insulation Manufacturers Association
Western Electric Company

ENVIRONMENT

Acoustical Society of America
Air Pollution Control Association
American Industrial Hygiene Association
American Society for Testing and Materials
American Society of Heating, Refrigerating and Air-Conditioning Engineers
Battery Council International
Defense Programs (DOE)
Environment, Safety and Health (DOE)
Environmental Protection Agency
Federal Aviation Administration (DOT)
Federal Highway Administration (DOT)
Institute of Environmental Sciences
Institute of Nuclear Materials Management
National Council on Radiation Protection and Measurements
National Environmental Health Association
National Oceanic and Atmospheric Administration (Commerce)
National Sanitation Foundation
Nuclear Regulatory Commission
Occupational Health (NASA)
Occupational Safety and Health Administration (Labor)
Water Pollution Control Federation

FACILITIES MANAGEMENT

American Hospital Association
Association of Physical Plant Administrators of Universities and Colleges
Building Owners and Managers Association International
Health Care Financing Administration (HHS)
International City Management Association
National Association of County Engineers
National Association of Industrial and Office Parks

FOOD AND BEVERAGES

Agricultural Marketing Service (USDA)
American Association of Cereal Chemists
American Dry Milk Institute
American Oil Chemists Society
American Society of Brewing Chemists
American Society of Enologists
American Spice Trade Association
Association of Official Analytical Chemists
Blue Anchor
Bureau of Alcohol, Tobacco, and Firearms (Treasury)
Cookware Manufacturers Association
Corn Refiners Association
Dairy and Food Industries Supply Association
Department of Defense
DFA of California
Diamond Walnut Growers
Distilled Spirits Council of the United States
Federal Grain Inspection Service (USDA)
Food and Drug Administration (HHS)
Food Processing Machinery and Supplies Association
Food Safety and Inspection Service (USDA)
Foreign Agricultural Service (USDA)
International Association of Milk, Food and Environmental Sanitarions
National Automatic Merchandising Association
National Coffee Association of the U.S.A.
National Cottonseed Products Association
National Fisheries Institute
National Food Processors Association
National Institute of Oilseed Products
National Marine Fisheries Service (Commerce)
National Soft Drink Association
Rice Millers Association
United States Testing Company
Veterans Administration
Whey Products Institute

GENERAL

American National Metric Council
American National Standards Institute
American Society for Testing and Materials
Bureaus of Competition and Consumer Protection (FTC)
Color Association of the United States
Consumer Product Safety Commission
Department of Defense
Executive Office of the President
General Services Administration
International Coalition for Procurement Standards
International Trade Administration (Commerce)
National Association of Hospital Purchasing Materials Management
National Bureau of Standards (Commerce)
Office of Procurement (GSA)
Product Safety Association
Program Management (Consumer Product Safety Commission)
Standards Engineering Society
Underwriters Laboratory
United States Testing Company
U.S. Metric Association
U.S. Patent and Trademark Office (Commerce)
U.S. Trade Representative, Executive Office of the President

GOVERNMENT OFFICIALS

American Association of Motor Vehicle Administrators
American Conference of Governmental Industrial Hygienists
Association of American Feed Control Officials
Association of American Plant Feed Control Officials
Association of Bedding and Furniture Law Officials
Association of Official Analytical Chemists
Association of Official Seed Analysts
Building Officials and Code Administrators International
International Association of Electrical Inspectors
International Association of Plumbing and Mechanical Officials
International City Management Association
International Coalition for Procurement Standards
International Conference of Building Officials
National Association of County Engineers
National Association of State Purchasing Officials
National Board of Boiler and Pressure Vessel Inspectors
National Municipal League/Citizens Forum on Self-Government
U.S. Patent and Trademark Office (Commerce)

HEATING, VENTILATING, AND AIR HANDLING

Air Conditioning Contractors of America
Air-Conditioning and Refrigeration Institute
Air Diffusion Council
Air Distribution Institute
Air Movement and Control Association
American Boiler Manufacturers Association
American Insurance Association
American Society of Heating, Refrigerating and Air-Conditioning Engineers
Associated Air Balance Council
Home Ventilating Institute
Hydronics Institute
International District Heating Association
Mechanical Contractors Association of America
National Association of Plumbing-Heating-Cooling Contractors
National Environmental Balancing Bureau
National Kerosene Heater Association
Sheet Metal, and Air Conditioning Contractors National Association
Solar Energy Industries Association
Underwriters Laboratories
Wood Heating Alliance

INDUSTRIAL EQUIPMENT

American Boiler Manufacturers Association
American Brush Manufacturers Association
American Gas Association
American Ladder Institute
American Society for Testing and Materials
American Society of Mechanical Engineers
American Vacuum Society
Association of Iron and Steel Engineers
Caster and Floor Truck Manufacturers Association
Chain Saw Manufacturers Association
Cleaning Equipment Manufacturers Association
Contractors Pump Bureau
Conveyor Equipment Manufacturers Association
Cooling Tower Institute
Cordage Institute
Department of Defense
Ductile Iron Pipe Research Association
Electronic Industries Association
Expansion Joint Manufacturers Association
Factory Mutual Research Corporation

Farm and Industrial Equipment Institute
 Fluid Controls Institute
 Gas Appliance Manufacturers Association
 Hand Tools Institute
 Hydraulic Institute
 Hydronics Institute
 Industrial Truck Association
 Instrument Society of America
 International Cargo Gear Bureau
 International Staple, Nail and Tool Association
 Manufacturers Standardization Society of the Valve and Fittings Industry
 Masonry and Concrete Saw Manufacturers Institute
 Material Handling Institute
 Mechanical Power Transmission Association
 Metal Ladder Manufacturers Association
 Mine Safety and Health Administration (Labor)
 Monorail Manufacturers Association
 National Association of Chain Manufacturers
 National Association of Name Plate Manufacturers
 National Board of Boiler and Pressure Vessel Inspectors
 National Fluid Power Association
 National Solid Wastes Management Association
 Pipe Fabrication Institute
 Rack Manufacturers Institute
 Rubber Manufacturers Association
 Scaffolding, Shoring and Forming Institute
 Small Motor Manufacturing Association
 Steel Plate Fabricators Association
 Steel Tank Institute
 Sump and Sewage Pump Manufacturers Association
 Tubular Exchange Manufacturers Association
 Ultrasonic Industry Association
 Underwriters Laboratories
 Valve Manufacturers Association
 Water Quality Association

INSTRUMENTS AND LABORATORY EQUIPMENT

American Crystallographic Association
 American Dental Association
 American Society for Medical Technology
 American Society for Testing and Materials
 American Watchmakers Institute
 Bureau of Alcohol, Tobacco and Firearms (Treasury)
 Equipment and Tool Institute
 Federal Coordinator for Meteorology (Commerce)
 Fluid Controls Institute
 Institute of Electrical and Electronics Engineers
 Instrument Society of America
 Inter-Society Color Council
 Joint Committee on Devices and Drugs
 National Bureau of Standards (Commerce)
 National Committee for Clinical Laboratory Standards
 National Oceanic and Atmospheric Administration (Commerce)
 Optical Society of America
 Scale Manufacturers Association
 Scientific Apparatus Makers Association

MACHINERY

American Chain Association
 American Gear Manufacturers Association
 American Mining Congress
 American Society for Testing and Materials
 American Society of Agricultural Engineers
 American Society of Mechanical Engineers

American Textile Machinery Association
 Anti-Friction Bearing Manufacturers Association
 Baking Industry Sanitation Standards Committee
 Construction Industry Manufacturers Association
 Conveyor Equipment Manufacturers Association
 Diesel Engine Manufacturers Association
 Electrical Apparatus Service Association
 Forging Industry Association
 Friction Materials Standards Institute
 Grinding Wheel Institute
 Mechanical Power Transmission Association
 National Electrical Manufacturers Association
 National Fluid Power Association
 National Machine Tool Builders Association
 Packaging Machinery Manufacturers Institute
 Pulp and Paper Machinery Manufacturers Association
 Society of the Plastics Industry
 Wood Machinery Manufacturers of America

MANUFACTURING

Abrasive Engineering Society
 Abrasive Grain Association
 Adhesives Manufacturers Association
 Aerospace Industries Association of America
 Aircraft Locknut Manufacturers Association
 American Die Casting Institute
 American National Metric Council
 American National Standards Institute
 American Society of Electroplated Plastics
 American Welding Society
 Cemented Carbide Producers Association
 Coated Abrasives Manufacturers Institute
 Computer Aided Manufacturing International
 Cutting Tool Manufacturers of America
 Defense Industrial Supply Center
 Diamond Wheel Manufacturers Institute
 Hack and Band Saw Manufacturers Association of America
 Industrial Diamond Association of America
 Industrial Fasteners Institute
 Industrial Perforators Association
 Industrial Safety Equipment Association
 Institute of Industrial Engineers
 International Staple, Nail and Tool Association
 Marking Device Association
 Metal Cutting Tool Institute
 Metal Treating Institute
 MTM Association for Standards and Research
 National Association of Punch Manufacturers
 National Certified Pipe Welding Bureau
 National Fastener Distributors Association
 National Machine Tool Builders Association
 Occupational Safety and Health Administration (Labor)
 Photo Chemical Machining Institute
 Resistance Welder Manufacturers Association
 Semiconductor Equipment and Materials Institute
 Society of Manufacturing Engineers
 Standards Committee for Hi-Lok and Hi-Tigue Products
 Steel Plate Fabricators Association
 Tubular Rivet and Machine Institute

MATERIALS AND FINISHES

(Also see Concrete, Textiles, and Wood)

Abrasive Grain Association
 Aluminum Association

American Chemical Society
 American Concrete Pavement Association
 American Die Casting Institute
 American Electroplaters Society
 American Foundrymen's Society
 American Hardboard Association
 American Hot Dip Galvanizers Association
 American Institute of Chemical Engineers
 American Iron and Steel Institute
 American Leather Chemists Association
 American Mining Congress
 American National Standards Institute
 American Petroleum Institute
 American Society for Testing and Materials
 American Society of Electroplated Plastics
 American Society of Lubrication Engineers
 American Wire Producers Association
 Asbestos Information Association North America
 Asphalt Emulsion Manufacturers Association
 Asphalt Institute
 Barre Granite Association
 Brass and Bronze Ingot Institute
 Bureau of Alcohol, Tobacco and Firearms (Treasury)
 Cadmium Council
 Cellulose Industry Standards Enforcement Program
 Cemented Carbide Producers Association
 Chemical Fabrics and Film Association
 Chemical Manufacturers Association
 Chemical Specialties Manufacturers Association
 Chlorine Institute
 Compressed Gas Association
 Concrete Plant Manufacturers Bureau
 Control Systems Manufacturers Division
 Copper Development Association
 Cosmetic, Toiletry and Fragrance Association
 Cotton Warehouse Association of America
 Cultured Marble Institute
 Department of Defense
 Dry Process Ceramic and Steatite Manufacturers Association
 Entomological Society of America
 Environmental Protection Agency
 Expanded Shale, Clay and Slate Institute
 Facing Tile Institute
 Federal Highway Administration (DOT)
 Felt Manufacturers Council of Northern Textile Association
 Federation of Societies for Coating Technology
 Flat Glass Marketing Association
 Forging Industry Association
 Fragrance Materials Association
 Friction Materials Standards Institute
 Glass Tempering Association
 Gold Institute
 Gypsum Association
 Indiana Limestone Institute of America
 Industrial Diamond Association of America
 Institute of Makers of Explosives
 Institute of Scrap Iron and Steel
 Investment Casting Institute
 Jewelers Vigilance Committee
 Joint Committee on Devices and Drugs
 Lead Industries Association
 Magnetic Materials Producers Association
 Man-Made Fiber Producers Association
 Manufacturing Jewelers and Silversmiths of America
 Marble Institute of America
 Metal Powder Industries Federation
 Metal Treating Institute
 Methods and Materials Standards Association

Mineral Insulation Manufacturers
 National Association of Corrosion Engineers
 National Association of Plastic Fabricators
 National Association of Recycling Industries
 National Cotton Council
 National Lime Association
 National Lubricating Grease Institute
 National Slag Association
 Perlite Institute
 Polyurethane Manufacturers Association
 Porcelain Enamel Institute
 Pulverized Limestone Association
 Refractories Institute
 Rubber Manufacturers Association
 Safety Glazing Certification Council
 Salt Institute
 Semiconductor Equipment and Materials Institute
 Silver Institute
 Society of Die Casting Engineers
 Society of Manufacturing Engineers
 Society of the Plastics Industry
 Sponge and Chamois Institute
 Southwest Research Institute
 Steel Bar Mills Association
 Steel Founders Society of America
 Steel Service Center Institute
 Steel Structures Painting Council
 Tanners Council of America
 Thermal Insulation Manufacturers Association
 Tin Research Institute
 United States Hide, Skin and Leather Association
 United States Testing Company
 Wire Reinforcement Institute
 Zinc Institute

MEDICAL AND HEALTH CARE

Accrediting Bureau of Health Education Schools
 American Academy of Pediatrics
 American Alliance for Health, Physical Education, Recreation and Dance
 American Association for Respiratory Therapy
 American Association of Neurological Surgeons
 American Association of Poison Control Centers
 American Association of Psychiatric Services for Children
 American College of Surgeons
 American Dental Association
 American Dental Trade Association
 American Electroencephalographic Society
 American Heart Association
 American Hospital Association
 American Medical Association
 American National Standards Institute
 American Occupational Medical Association
 American Pharmaceutical Association
 American Podiatry Association
 American Psychiatric Association
 American Psychoanalytic Association
 American Society for Artificial Internal Organs
 American Society for Medical Technology
 American Society of Anesthesiologists
 American Thoracic Society
 Animal Health International
 Asbestos Information Association North America
 Association for the Advancement of Medical Instrumentation
 College of American Pathologists
 Commission on Accreditation of Rehabilitation Facilities
 Congress of Neurological Surgeons

Defense Programs (DOE)
Entomological Society of America
Environment, Safety and Health (DOE)
Food and Drug Administration (HHS)
Health Care Financing Administration (HHS)
Health Industry Manufacturers Association
Helicopter Association International
Joint Committee on Devices and Drugs
Mine Safety and Health Administration (Labor)
National Association of Hospital Purchasing Materials Management
National Association on Standard Medical Vocabulary
Occupational Health Office (NASA)
Pharmaceutical Manufacturers Association
U.S. Pharmacopeial Convention

MEDICAL DEVICES, EQUIPMENT, AND INSTRUMENTS

American Association of Neurological Surgeons
American College of Surgeons
American Dental Association
American Dental Trade Association
American Electroencephalographic Society
American Heart Association
American Society for Artificial Internal Organs
American Society for Testing and Materials
American Society of Anesthesiologists
American Thoracic Society
Association for the Advancement of Medical Instrumentation
Biological Scain Commission
Congress of Neurological Surgeons
Department of Defense
Defense Programs (DOE)
Dental Manufacturers of America
Food and Drug Administration (HHS)
Health Industry Manufacturers Association
Joint Committee on Devices and Drugs
National Committee for Clinical Laboratory Standards
National Electrical Manufacturers Association
National Kerosene Heater Association
Orthopedic Surgical Manufacturers Association
Pharmaceutical Manufacturers Association
Radiological Society of North America
U.S. Pharmacopeial Convention
Veterans Administration

OFFICE PRODUCTS

American Society for Testing and Materials
Association for Information and Image Management
Association of Records Managers and Administrators
Business and Institutional Furniture Manufacturers Association
Human Factors Society
Joint Commission on Printing (Congress of the U.S.)
Marking Device Association
National Association of Name Plate Manufacturers
Special Libraries Association

OPTICS, OPHTHALMIC PRODUCTS, AND EYE PROTECTION

American Institute of Physics
American Optometric Association
National Association of Manufacturing Opticians
National Society to Prevent Blindness
Optical Laboratories Association
Optical Manufacturers Association

Optical Society of America
Scientific Apparatus Makers Association

PACKAGING AND PAPER

Adhesives Manufacturers Association
American Paper Institute
Can Manufacturers Institute
Composite Can and Tube Institute
Containerization and Intermodal Institute
Defense Programs (DOE)
Department of Defense
Fibre Box Association
Flexible Packaging Association
Food Processing Machinery and Supplies Association
Glass Packaging Institute
Gravure Technical Association
Gummed Industries Association
Joint Commission on Printing (Congress of the U.S.)
National Archives and Records Service (GSA)
National Food Processors Association
National Safe Transit Association
National Soft Drink Association
National Wooden Pallet and Container Association
Packaging Machinery Manufacturers Institute
Paperboard Packaging Council
Pressure Sensitive Tape Council
Printing Industries of America
Pulp and Paper Machinery Manufacturers Association
Steel Shipping Container Institute
Technical Association of the Pulp and Paper Industry
Tube Council of North America

PHOTOGRAPHY

American National Standards Institute
American Society of Cinematographers
American Society of Photogrammetry
Association for Information and Image Management
National Archives and Records Service (GSA)
National Association of Photographic Manufacturers
Optical Society of America
Photographic Society of America
Society of Motion Picture and Television Engineers

PLUMBING

American Insurance Association
American Pipe Fittings Association
American Society for Testing and Materials
American Society of Mechanical Engineers
American Society of Plumbing Engineers
American Society of Sanitary Engineering
Building Officials and Code Administrators International
Cast Iron Soil Pipe Institute
Cultured Marble Institute
Ductile Iron Pipe Association
International Association of Plumbing and Mechanical Officials
International Conference of Building Officials
Mechanical Contractors Association of America
National Association of Plumbing-Heating-Cooling Contractors
National Clay Pipe Institute
National Sanitation Foundation
National Spa and Pool Institute
National Water Well Association

Plastics Pipe Institute
Plumbing and Drainage Institute
Southern Building Code Congress International
Sump and Sewage Pump Manufacturers Association
Valve Manufacturers Association
Veterans Administration
Water Quality Association
Water Systems Council

PUBLIC HEALTH

Accrediting Bureau of Health Education Schools
American Association of Bioanalysts
American Association of Blood Banks
American Conference of Governmental Industrial Hygienists
American Industrial Hygiene Association
American Occupational Medical Association
American Optometric Association
American Public Health Association
American Society for Testing and Materials
American Society of Sanitary Engineering
American Thoracic Society
American Water Works Association
Animal Health International
Center for Disease Control (HHS)
Entomological Society of America
Food and Drug Administration (HHS)
Health Care Financing Administration (HHS)
Health Physics Society
Human Factors Society
Illuminating Engineering Society of North America
International Association of Milk, Food and Environmental Sanitarians
National Automatic Merchandising Association
National Committee for Clinical Laboratory Standards
National Easter Seal Society
National Environmental Health Association
National Institute of Infant Services
National League for Nursing
National Pest Control Association
National Sanitation Foundation
National Society to Prevent Blindness
National Solid Wastes Management Association
National Water Well Association
Portable Sanitation Association
Textile Rental Services Association of America
U.S. Geological Survey (Interior)

QUALITY ASSURANCE AND TESTING

Aerospace Industries Association of America
Agricultural Marketing Service (USDA)
American Association for Clinical Chemistry
American Association for Laboratory Accreditation
American Association of Bioanalysts
American Association of Textile Chemists and Colorists
American Chemical Society
American Council of Independent Laboratories
American Crystallographic Association
American Dry Milk Institute
American Hospital Association
American Leather Chemists Association
American National Standards Institute
American Oil Chemists Society
American Society for Medical Technology
American Society for Nondestructive Testing
American Society for Quality Control

American Society for Testing and Materials
 American Society of Brewing Chemists
 American Society of Mechanical Engineers
 American Statistical Association
 Association of Official Analytical Chemists
 Association of Official Seed Analysts
 Biological Stain Commission
 Bureau of Alcohol, Tobacco and Firearms (Treasury)
 College of American Pathologists
 Cosmetic, Toiletry and Fragrance Association
 ETL Testing Laboratories
 Defense Programs (DCE)
 Federal Grain Inspection Service (USDA)
 Food Safety and Inspection Service (USDA)
 Fragrance Materials Association
 Gemological Institute of America
 Institute of Electrical and Electronics Engineers
 Institute of Environmental Sciences
 Inter-Society Color Council
 Mine Safety and Health Administration (Labor)
 National Bureau of Standards (Commerce)
 National Committee for Clinical Laboratory Standards
 National Conference of States on Building Codes and Standards
 National Fire Protection Association
 National Marine Fisheries Service (Commerce)
 National Oceanic and Atmospheric Administration (Commerce)
 National Pest Control Association
 Office of Procurement (GSA)
 Portland Cement Association
 Radio Technical Commission for Aeronautics
 Society for Experimental Stress Analysis
 Solar Energy Industries Association
 Southwest Research Institute
 Underwriters Laboratories
 United States Customs Service (Treasury)
 United States Testing Company

RECREATION AND SPORTS

American Alliance for Health, Physical Education, Recreation and Dance
 American Boat and Yacht Council
 American Bowling Congress
 American Fishing Tackle Manufacturers Association
 American Society for Testing and Materials
 Archery Manufacturers Organization
 Bicycle Manufacturers Association of America
 Billiard Council of America
 Color Association of the United States
 Eastern Bird Banding Association
 National Association of Rocketry
 National Model Railroad Association
 National Operating Committee for Standards in Athletic Equipment
 National Rifle Association of America
 National Ski Areas Association
 Recreation Vehicle Industry Association
 SEMA Foundation
 Snell Memorial Foundation
 Snowmobile Safety and Certification Committee
 Sporting Arms and Ammunition Manufacturers Institute
 Sports Car Club of America
 Trailer Hitch Manufacturers Association
 Underwriters Laboratories
 United States Coast Guard (DOT)
 United States Golf Association
 U.S. Tennis Court and Track Builders Association

SAFETY, FIRE PROTECTION, AND PUBLIC SAFETY

Alliance of American Insurers
American Association of Motor Vehicle Administrators
American Automobile Association
American Brush Manufacturers Association
American Bureau of Shipping
American Conference of Governmental Industrial Hygienists
American Hospital Association
American Hotel and Motel Association
American Industrial Hygiene Association
American Insurance Association
American Ladder Institute
American National Standards Institute
American Nuclear Society
American Society for Testing and Materials
American Society of Civil Engineers
American Society of Mechanical Engineers
American Society of Safety Engineers
American Textile Machinery Association
American Trucking Associations
American Welding Society
Asbestos Information Association North America
Associated Locksmiths of America
Association for the Advancement of Medical Instrumentation
Association of American Railroads
Association of Home Appliance Manufacturers
American Society of Safety Engineers
Bicycle Manufacturers Association of America
Building Energy Research and Development (DOE)
Building Officials and Code Administrators International
Center for Disease Control (HHS)
Chlorine Institute
Coated Abrasives Manufacturers Institute
Compressed Gas Association
Consumer Product Safety Commission
Distilled Spirits Council of the United States
Environment, Safety and Health (DOE)
Factory Mutual Research Corporation
Federal Aviation Administration (DOT)
Federal Highway Administration (DOT)
Flight Safety Foundation
Food and Drug Administration (HHS)
Fragrance Materials Association
Grain Elevator and Processing Society
Grinding Wheel Institute
Helicopter Association International
Housing and Urban Development, Department of
Human Factors Society
Industrial Safety Equipment Association
Institute of Electrical and Electronics Engineers
Institute of Makers of Explosives
Institute of Nuclear Materials Management
Institute of Transportation Engineers
International Association of Electrical Inspectors
International Association of Plumbing and Mechanical Officials
International Conference of Building Officials
International Municipal Signal Association
International Society of Arboriculture
Laborers International Union of North America
Lightning Protection Institute
Man-Made Fiber Producers Association
Materials Transportation Bureau (DOT)
Mechanical Contractors Association of America
Mill Mutual Fire Prevention Bureau
Mine Safety and Health Administration (Labor)
Minerals Management Service (Interior)
National Automatic Sprinkler and Fire Control Association

National Bureau of Standards (Commerce)
 National Burglar and Fire Alarm Association
 National Conference of States on Building Codes and Standards
 National Cotton Council of America
 National Council on Radiation Protection and Measurements
 National Electrical Manufacturers Association
 National Elevator Industry
 National Fertilizer Solutions Association
 National Fire Protection Association
 National Highway Traffic Safety Administration (NBS, Commerce)
 National Kerosene Heater Association
 National Rifle Association of America
 National Safety Council
 National Spa and Pool Institute
 Nuclear Regulatory Commission
 Occupational Safety and Health Administration (Labor)
 Painting and Decorating Contractors of America
 Portland Cement Association
 Powder Actuated Tool Manufacturers Institute
 Printing and Decorating Contractors of America
 Product Safety Association
 Program Management (Consumer Product Safety Commission)
 Safety Glazing Certification Council
 Scaffolding, Shoring and Forming Institute
 Snell Memorial Foundation
 Snowmobile Safety and Certification Committee
 Society of Fire Protection Engineers
 Southern Building Code Congress International
 Sporting Arms and Ammunition Manufacturers Institute
 Toy Manufacturers of America
 Underwriters Laboratories
 United Lightning Protection Association
 United States Coast Guard (DOT)
 Veterans Administration
 Wood and Synthetic Flooring Institute
 Wood Machinery Manufacturers of America

SANITATION

American Association of Cereal Chemists
 American Dry Milk Institute
 American Public Health Association
 American Society of Plumbing Engineers
 American Society of Sanitary Engineering
 American Water Works Association
 Baking Industry Sanitation Standards Committee
 Cast Iron Soil Pipe Institute
 Ductile Iron Pipe Association
 Environmental Protection Agency
 Housing and Urban Development, Department of
 International Association of Milk, Food and Environmental Sanitarians
 National Association of Plumbing-Heating-Cooling Contractors
 National Automatic Merchandising Association
 National Clay Pipe Institute
 National Environmental Health Association
 National Pest Control Association
 National Sanitation Foundation
 National Solid Wastes Management Association
 National Spa and Pool Institute
 Plumbing and Drainage Institute
 Portable Sanitation Association
 Textile Rental Services Association of America
 Water Pollution Control Federation

SOCIAL WELFARE

American Association of Poison Control Centers
National Accreditation Council for Agencies Serving the Blind and Visually Handicapped
National Easter Seal Society
National Library Service for the Blind and Physically Handicapped (Library of Congress)
National Safety Council
National Society to Prevent Blindness
Snell Memorial Foundation
Standards Engineering Society
United States Council for International Business

TEXTILES AND CLOTHING

American Association of Textile Chemists and Colorists
American Home Economics Association
American Society for Testing and Materials
American Textile Machinery Association
Color Association of the United States
Consumer Product Safety Commission
Department of Defense
Elastic Fabric Manufacturers Council of Northern Textile Association
Felt Manufacturers Council of Northern Textile Association
Industrial Fabrics Association International
International Association of Wiping Cloths Manufacturers
International Fabricare Institute
Man-Made Fiber Producers Association
National Association of Furniture Manufacturers
National Cotton Council of America
National Knitwear Manufacturers Association
Program Management (Consumer Product Safety Commission)
Slide Fastener Association
Tanners Council of America
Textile Rental Services Association of America
Thread Institute
United States Testing Company

TRANSPORTATION

Aeronautical Radio, Incorporated
Aerospace Industries Association of America
Aircraft Locknut Manufacturers Association
Aircraft Owners and Pilots Association
Air Transport Association of America
American Association of Motor Vehicle Administrators
American Association of State Highway and Transportation Officials
American Automobile Association
American Boat and Yacht Council
American Bureau of Shipping
American Bus Association
American Helicopter Society
American Institute of Aeronautics and Astronautics
American Petroleum Institute
American Railway Engineering Association
American Road and Transportation Builders Association
American Trucking Associations
Animal Health International
Association of American Railroads
Compressed Gas Association
Containerization and Intermodal Institute
Council of American-Flag Ship Operators
Environment, Safety and Health (DOE)
Federal Aviation Administration (DOT)
Federal Highway Administration (DOT)

Flight Safety Foundation
 General Aviation Manufacturers Association
 Helicopter Association International
 Institute of Nuclear Materials Management
 Institute of Transportation Engineers
 International Bridge, Tunnel and Turnpike Association
 International Cargo Gear Bureau
 International Mobile Air Conditioning Association
 International Society for Terrain-Vehicle Systems
 Maritime Administration (DOT)
 Materials Transportation Bureau (DOT)
 Motor Vehicle Manufacturers Association of the United States
 National Association of Chain Manufacturers
 National Automobile Theft Bureau
 National Bureau of Standards (Commerce)
 National Cargo Bureau
 National Safe Transit Association
 National Tire Dealers and Retreaders Association
 Occupational Safety and Health Administration (Labor)
 Railway Tie Association
 Recreation Vehicle Industry Association
 Society of Automotive Engineers
 Society of Naval Architects and Marine Engineers
 Steel Shipping Container Institute
 Tire and Rim Association
 Trailer Hitch Manufacturers Association
 Transportation Data Coordinating Committee
 Truck Body and Equipment Association
 Truck Trailer Manufacturers Association
 United States Coast Guard (DOT)

WOOD AND WOOD PRODUCTS

American Institute of Timber Construction
 American Ladder Institute
 American Lumber Standards Committee
 American Plywood Association
 American Wood Preservers Bureau
 American Wood-Preservers Association
 Architectural Woodwork Institute
 Department of Housing and Urban Development
 Fine Hardwoods-American Walnut Association
 Fir and Hemlock Door Association
 Forest Service (USDA)
 Hardwood Dimension Manufacturers Association
 Hardwood Lumber Manufacturers of Pennsylvania
 Hardwood Plywood Manufacturers Association
 Housing and Urban Development, Department of
 Maple Flooring Manufacturers Association
 National Forest Products Association
 National Hardwood Lumber Association
 National Oak Flooring Manufacturers Association
 National Particleboard Association
 National Sash and Door Jobbers Association
 National Woodwork Manufacturers Association
 Northeastern Lumber Manufacturers Association
 Northern Hardwood and Pine Manufacturers Association
 Red Cedar Shingle and Handsplit Shake Bureau
 Redwood Inspection Service
 Southern Cypress Manufacturers Association
 Southern Forest Products Association
 Southern Hardwood Lumber Manufacturers Association
 Southern Pine Inspection Bureau
 Technical Association of the Pulp and Paper Industry
 Truss Plate Institute
 West Coast Lumber Inspection Bureau
 Western Electric Company

Western Wood Products Association
Wood and Synthetic Flooring Institute
Wood Heating Alliance
Wood Machinery Manufacturers of America
Wood Moulding and Millwork Producers

6.2 ACRONYM AND INITIALS

This list of acronyms and initials serves to identify organizations, however, there is no exclusivity: there are three NFPA's, five APA's and other duplications.

AA	Aluminum Association
AAA	American Automobile Association
AAAA	American Association of Advertising Agencies
AAB	American Association of Bioanalysts
AABB	American Association of Blood Banks
AABC	Associated Air Balance Council
AACC	American Association for Clinical Chemistry
AAC	American Association of Cereal Chemists
AACPP	Association of Asbestos Cement Pipe Producers
AAFCO	Association of American Feed Control Officials
AAHPERD	American Alliance for Health, Physical Education, Recreation and Dance
AAI	Alliance of American Insurers
AALA	American Association for Laboratory Accreditation
AAMA	Architectural Aluminum Manufacturers Association
AAMI	Association for the Advancement of Medical Instrumentation
AAMVA	American Association of Motor Vehicle Administrators
AAN	American Association of Nurserymen
AANS	American Association of Neurological Surgeons
AAP	American Academy of Pediatrics
AAP	Association of American Publishers
AAPCC	American Association of Poison Control Centers
AAPFCO	Association of American Plant Food Control Officials
AAPG	American Association of Petroleum Geologists
AAPSC	American Association of Psychiatric Services for Children
AAR	Association of American Railroads
AART	American Association for Respiratory Therapy
AASHTO	American Association of State Highway and Transportation Officials
AATCC	American Association of Textile Chemists and Colorists
ABA	American Bankers Association
ABA	American Bus Association
ABC	American Bowling Congress
ABFLO	Association of Bedding and Furniture Law Officials
ABHES	Accrediting Bureau of Health Education Schools
ABMA	American Boiler Manufacturers Association
ABMA	American Brush Manufacturers Association
ABS	American Bureau of Shipping
ABYC	American Boat and Yacht Council
ACA	American Chain Association
ACA	American Crystallographic Association
ACCA	Air Conditioning Contractors of America
ACGIH	American Conference of Governmental Industrial Hygienists
ACI	American Concrete Institute
ACIL	American Council of Independent Laboratories
ACM	Association for Computing Machinery
ACPA	American Concrete Pavement Association
ACPA	American Concrete Pipe Association
ACPPA	American Concrete Pressure Pipe Association
ACS	American Chemical Society
ACS	American College of Surgeons
ACSM	American Congress on Surveying and Mapping
ACTS	Advisory Commission on Textbook Specifications
ADA	American Dental Association
ADC	Air Diffusion Council
ADCI	American Die Casting Institute
ADI	Air Distribution Institute
ADMI	American Dry Milk Institute
ADPA	American Defense Preparedness Association
ADPSO	Association of Data Processing Service Organizations
ADSC	Association of Drilled Shaft Contractors
ADTA	American Dental Trade Association
AEG	Association of Engineering Geologists
AEIC	Association of Edison Illuminating Companies
AEMA	Asphalt Emulsion Manufacturers Association
AES	Abrasive Engineering Society
AES	American Electroencephalographic Society
AES	American Electroplaters Society
AEVH	Association for Education of the Visually Handicapped
AFBMA	Anti-Friction Bearing Manufacturers Association

AFMA	American Feed Manufacturers Association
AFS	American Foundrymen's Society
AFSI	Architectural Fabric Structures Institute
AFTMA	American Fishing Tackle Manufacturers Association
AGA	Abrasive Grain Association
AGA	American Gas Association
AGC	Associated General Contractors of America
AGMA	American Gear Manufacturers Association
AHA	American Hardboard Association
AHA	American Heart Association
AHA	American Hospital Association
AHAM	Association of Home Appliance Manufacturers
AHDGA	American Hot Dip Galvanizers Association
AHEA	American Home Economics Association
AHI	Animal Health International
AHLI	American Home Lighting Institute
AH&MA	American Hotel and Motel Association
AHS	American Helicopter Society
AI	Asphalt Institute
AIA	Aerospace Industries Association of America
AIA	American Institute of Architects
AIA	American Insurance Association
AIAA	American Institute of Aeronautics and Astronautics
AIA/NA	Asbestos Information Association North America
AICHE	American Institute of Chemical Engineers
AIDD	American Institute for Design and Drafting
AIHA	American Industrial Hygiene Association
AIIM	Association for Information and Image Management
AIP	American Institute of Physics
AISC	American Institute of Steel Construction
AISE	Association of Iron and Steel Engineers
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction
ALA	American Library Association
ALA	Associated Locksmiths of America
ALCA	American Leather Chemists Association
ALI	American Ladder Institute
ALMA	Aircraft Locknut Manufacturers Association
ALSC	American Lumber Standards Committee
AMA	Adhesives Manufacturers Association
AMA	American Medical Association
AMBBA	Associated Master Barbers and Beauticians of America
AMC	American Mining Congress
AMCA	Air Movement and Control Association
AMHA	American Heart Association
AMO	Archery Manufacturers Organization
AMS	Agricultural Marketing Service (USDA)
ANMC	American National Metric Council
ANS	American Nuclear Society
ANSC	American National Standards Committee
ANSI	American National Standards Institute
AOA	American Optometric Association
AOAC	Association of Official Analytical Chemists
AOCS	American Oil Chemists Society
AOMA	American Occupational Medical Association
AOPA	Aircraft Owners and Pilots Association
AOSA	Association of Official Seed Analysts
AOSCA	Association of Official Seed Certifying Agencies
APA	American Plywood Association
APA	American Podiatry Association
APA	American Psychiatric Association
APA	American Psychoanalytical Association
APA	Architectural Precast Association
APCA	Air Pollution Control Association
APFA	American Pipe Fittings Association
APhA	American Pharmaceutical Association
APHA	American Public Health Association
API	American Paper Institute

AFI	American Petroleum Institute
APPA	Association of Physical Plant Administrators of Universities and Colleges
APWA	American Public Works Association
AREA	American Railway Engineering Association
ARI	Air-Conditioning and Refrigeration Institute
ARINC	Aeronautical Radio, Incorporated
ARMA	Asphalt Roofing Manufacturers Association
ARMA	Association of Records Managers and Administrators
ARPI	Automotive Refrigeration Products Institute
ARTBA	American Road and Transportation Builders Association
ASA	Acoustical Society of America
ASA	American Society of Anesthesiologists
ASA	American Soybean Association
ASA	American Statistical Association
ASAE	American Society of Agricultural Engineers
ASAI0	American Society for Artificial Internal Organs
ASBC	American Society of Brewing Chemists
ASC	American Society of Cinematographers
ASCE	American Society of Civil Engineers
ASE	American Society of Enologists
ASEP	American Society of Electroplated Plastics
ASHA	American Speech-Language and Hearing Association
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASLE	American Society of Lubrication Engineers
ASME	American Society of Mechanical Engineers
ASMT	American Society for Medical Technology
ASNT	American Society for Non-Destructive Testing
ASP	American Society of Photogrammetry
ASPA	American Sod Producers Association
ASPE	American Society of Plumbing Engineers
ASQC	American Society for Quality Control
ASSE	American Society of Safety Engineers
ASSE	American Society of Sanitary Engineering
ASTA	American Spice Trade Association
ASTM	American Society for Testing and Materials
ATA	Air Transport Association of America
ATA	American Trucking Associations
ATMA	American Textile Machinery Association
ATS	American Thoracic Society
ATSC	Advanced Television Systems Committee
AVS	American Vacuum Society
AWCI	Association of Wall and Ceiling Industries, International
AWI	American Watchmakers Institute
AWI	Architectural Woodwork Institute
AWPA	American Wire Producers Association
AWPA	American Wood-Preservers Association
AWPB	American Wood Preservers Bureau
AWS	American Welding Society
AWWA	American Water Works Association
ABA	Blue Anchor
BAMI	Barley and Malt Institute
BATF	Bureau of Alcohol, Tobacco, and Firearms (Treasury)
BBII	Brass and Bronze Ingot Institute
BC	Bureau of Competition (FTC)
BCA	Billiard Congress of America
BCI	Battery Council International
BCP	Bureau of Consumer Protection (FTC)
BGA	Barre Granite Association
BHMA	Builders Hardware Manufacturers Association
BIA	Brick Institute of America
BIFMA	Business and Institutional Furniture Manufacturers Association
BISSC	Baking Industry Sanitation Standards Committee
BMA	Bicycle Manufacturers Association of America
BMI	Book Manufacturers Institute
BOCA	Building Officials and Code Administrators International
BOMA	Building Owners and Management Association International
BSC	Biological Stain Commission
CAMI	Coated Abrasives Manufacturers Institute

CAM-I	Computer Aided Manufacturing International
CAP	College of American Pathologists
CARF	Commission of Accreditation of Rehabilitation Facilities
CASO	Council of American-Flag Ship Operators
CAUS	Color Association of the United States
CBEMA	Computer and Business Equipment Manufacturers Association
CBM	Certified Ballast Manufacturers
CC	Cadmium Council
CCPA	Cemented Carbide Producers Association
CTI	Composite Can and Tube Institute
CDA	Copper Development Association
CDC	Center for Disease Control (HHS)
CEMA	Cleaning Equipment Manufacturers Association
CEMA	Conveyor Equipment Manufacturers Association
CFA	Consumer Federation of America
CFFA	Chemical Fabrics and Film Association
CFTMA	Caster and Floor Truck Manufacturers Association
CA	Compressed Gas Association
CI	Chlorine Institute
CI	Cordage Institute
CII	Containerization and Intermodal Institute
CIMA	Construction Industry Manufacturers Association
CISCA	Ceilings and Interior Systems Contractors Association
CISEP	Cellulose Industry Standards Enforcement Program
CISPI	Cast Iron Soil Pipe Institute
CLFMI	Chain Link Fence Manufacturers Institute
CMA	Chemical Manufacturers Association
CMA	Cookware Manufacturers Association
CMI	Can Manufacturers Institute
CMI	Cultured Marble Institute
CNLIA	Council of National Library and Information Associations
CNS	Congress of Neurological Surgeons
CPB	Contractors Pump Bureau
CPMB	Concrete Plant Manufacturers Bureau
CPSC	Consumer Product Safety Commission
CRA	Corn Refiners Association
CRI	Carpet and Rug Institute
CRMA	Commercial Refrigerator Manufacturers Association
CRSI	Concrete Reinforcing Steel Institute
CSI	Construction Specifications Institute
CSMA	Chain Saw Manufacturers Association
CSMA	Chemical Specialties Manufacturers Association
CSMD	Control Systems Manufacturers Division (CPMB)
CTFA	Cosmetic, Toiletry and Fragrance Association
CTI	Cooling Tower Institute
CTMA	Cutting Tool Manufacturers of America
CWAA	Cotton Warehouse Association of America
CWCCI	Crayon, Water Color and Craft Institute
DECO	Document Engineering Company
DEMA	Diesel Engine Manufacturers Association
DFAC	DFA of California
DFISA	Dairy and Food Industries Supply Association
DHI	Door and Hardware Institute
DIPRA	Ductile Iron Pipe Research Association
DISC	Defense Industrial Supply Center (DOD)
DMA	Dental Manufacturers of America
DMSSO	Defense Materiel Specifications and Standards Office (DOD)
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DORCMA	Door Operator and Remote Controls Manufacturers Association
DOT	Department of Transportation
DPC SMA	Dry Process Ceramic and Steatite Manufacturers Association
DPMA	Data Processing Management Association
DSCUS	Distilled Spirits Council of the United States
DSSP	Defense Standardization and Specification Program
DWGI	Diamond Walnut Growers, Incorporated
DWMI	Diamond Wheel Manufacturers Institute

EASA	Electrical Apparatus Service Association
EBBA	Eastern Bird Banding Association
ECSA	Exchange Carriers Standards Association
EEI	Edison Electric Institute
EFMC	Elastic Fabric Manufacturers Council of Northern Textile Association
ECsMA	Electrical Generating Systems Marketing Association
CIA	Electronic Industries Association
EIA	Energy Information Administration (DOE)
EJMA	Expansion Joint Manufacturers Association
EPA	Environmental Protection Agency
ESA	Entomological Society of America
ESCSI	Expanded Shale, Clay and Slate Institute
ES&H	Environment Safety & Health (DOE)
ETI	Equipment and Tool Institute
ETL	ETL Testing Laboratories
FAA	Federal Aviation Administration (DOT)
FAS	Foreign Agricultural Service (USDA)
FASB	Financial Accounting Standards Board
FBA	Fibre Box Association
FCC	Federal Communications Commission
FCI	Fluid Controls Institute
FDA	Food and Drug Administration (HHS)
FGIS	Federal Grain Inspection Service (USDA)
FGMA	Flat Glass Marketing Association
FHAWA	Fine Hardwoods - American Walnut Association
FHDA	Fir and Hemlock Door Association
FHWA	Federal Highway Administration (DOT)
FI	Fertilizer Institute
FIA	Forging Industry Association
FIEI	Farm and Industrial Equipment Institute
FIPS PUBS	Federal Information Processing Standards Publications
FMA	Fragrance Materials Association
FMC	Felt Manufacturers Council of Northern Textile Association
FMCSR	Federal Motor Carrier Safety Regulations
FMRC	Factory Mutual Research Corporation
FMSI	Friction Materials Standards Institute
FPA	Flexible Packaging Association
FPMSA	Food Processing Machinery and Supplies Association
FSCT	Federation of Societies for Coatings Technology
FSF	Flight Safety Foundation
FSIS	Food Safety and Inspection Service (USDA)
FSS	Federal Supply and Services (GSA)
FTC	Federal Trade Commission
FTI	Facing Tile Institute
GA	Gypsum Association
GAMA	Gas Appliance Manufacturers Association
GAMA	General Aviation Manufacturers Association
GATT	General Agreement on Tariffs and Trade
CCA	Graphic Communications Association
GDC	Garage Door Council
GEAPS	Grain Elevator and Processing Society
GI	Gold Institute
GIA	Gemological Institute of America
GIA	Gummed Industries Association
GPA	Gas Processors Association
GPI	Glass Packaging Institute
GPO	Government Printing Office
GRAS	Generally Recognized as Safe (FDA/HHS)
GSA	General Services Administration
GSA/NARS	General Services Administration's National Archives & Records Services
GTA	Glass Tempering Association
GTA	Gravure Technical Association
GWI	Grinding Wheel Institute
HAI	Helicopter Association International
HBSMAA	Hack and Band Saw Manufacturers Association of America
HCFA	Health Care Financing Administration (HHS)
HDMA	Hardwood Dimension Manufacturers Association
HEPA	High Efficiency Particulate Air

HFS	Human Factors Society
HHS	Health and Human Services
HI	Hydraulic Institute
HI	Hydronics Institute
HIMA	Health Industry Manufacturers Association
HLMP	Hardwood Lumber Manufacturers of Pennsylvania
HPMA	Hardwood Plywood Manufacturers Association
HPS	Health Physics Society
ITI	Hand Tools Institute
HUD	Department of Housing and Urban Development
HVI	Home Ventilating Institute
IA	Irrigation Association
IAEI	International Association of Electrical Inspectors
IAMFES	International Association of Milk, Food and Environmental Sanitarians
IAPMO	International Association of Plumbing and Mechanical Officials
IAWCM	International Association of Wiping Cloth Manufacturers
IBEW	International Brotherhood of Electrical Workers
IBTTA	International Bridge, Tunnel and Turnpike Association
ICBO	International Conference of Building Officials
ICEA	Insulated Cable Engineers Association
ICGB	International Cargo Gear Bureau
ICI	Investment Casting Institute
ICIA	International Communications Industries Association
ICMA	International City Management Association
ICPS	International Coalition for Procurement Standards
ICSP	Interagency Committee for Standardization Policy
ICST	Institute for Computer Sciences and Technology
IDA	International Database Association
IDAA	Industrial Diamond Association of America
IDHA	International District Heating Association
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society of North America
IES	Institute of Environmental Sciences
IFAI	Industrial Fabrics Association International
IFI	Industrial Fasteners Institute
IFI	International Fabricare Institute
IFIA	International Fence Industry Association
IHS	Information Handling Services
IJAR	International Institute of Ammonia Refrigeration
IIE	Institute of Industrial Engineers
ILIA	Indiana Limestone Institute of America
IMACA	International Mobile Air Conditioning Association
IME	Institute of Makers of Explosives
IMI	Information Marketing International
IMI	International Masonry Institute
IMSA	International Municipal Signal Association
INMM	Institute of Nuclear Materials Management
IPA	Industrial Perforators Association
IPC	Institute for Interconnecting and Packaging Electrical Circuits
ISA	Instrument Society of America
ISA	International Silo Association
ISA	International Society of Arboriculture
ISANTA	International Staple, Nail and Tool Association
ISCC	Inter-Society Color Council
ISDSI	Insulated Steel Door Systems Institute
ISEA	Industrial Safety Equipment Association
ISIS	Institute of Scrap Iron and Steel
ISTC	Interdepartmental Screw Thread Committee (See Defense Industrial Supply Center)
ISTVS	International Society for Terrain-Vehicle Systems
ITA	Industrial Truck Association
ITA	International Tape/Disc Association
ITA	International Trade Administration (Commerce)
ITE	Institute of Transportation Engineers
ITS	Institute for Telecommunications Sciences (NTIA, Commerce)
JCDD	Joint Committee on Devices and Drugs
JCP	Joint Committee on Printing (Congress of the U.S.)
JEDEC	Joint Electron Device Engineering Council

JIC	Joint Industrial Council
JMDC	Joint Materials and Devices Committee
JPMA	Juvenile Products Manufacturers Association
JVC	Jewelers Vigilance Committee
LBI	Library Binding Institute
LC	Library of Congress
LESL	Law Enforcement Standards Laboratory (NBS, Commerce)
LIA	Lead Industries Association
LIUNA	Laborers International Union of North America
LPI	Lightning Protection Institute
MA	Maritime Administration (DOT)
MBMA	Metal Building Manufacturers Association
MCAA	Mechanical Contractors Association of America
MCSMI	Masonry and Concrete Saw Manufacturers Institute
MCTI	Metal Cutting Tool Institute
MDA	Marking Device Association
MFMA	Maple Flooring Manufacturers Association
MHI	Manufactured Housing Institute
MHI	Material Handling Institute
MIA	Marble Institute of America
MIMA	Mineral Insulation Manufacturers Association
MJSA	Manufacturing Jewelers and Silversmiths of America
MLMA	Metal Ladder Manufacturers Association
MMA	Monorail Manufacturers Association
MMFPA	Man-Made Fiber Producers Association
MMFPB	Mill Mutual Fire Prevention Bureau
MMPA	Magnetic Materials Producers Association
MMS	Minerals Management Service
MMSA	Methods and Materials Standards Association
MOSAI	MU-SAI Institute
MPA	Magazine Publishers Association
MPIF	Metal Powder Industries Federation
MPS	Minimum Property Standards
MPTA	Mechanical Power Transmission Association
MSHA	Mine Safety and Health Administration (Labor)
MSSVFI or MSS	Manufacturers Standardization Society of the Valve and Fittings Industry
MTB	Materials Transportation Bureau (DOT)
MTI	Metal Treating Institute
MTM	MTM Association for Standards and Research
MUTCD	Manual on Uniform Traffic Control Devices (DOT)
MVMA	Motor Vehicle Manufacturers Association of the United States
NAAMM	National Association of Architectural Metal Manufacturer
NAB	National Association of Broadcasters
NABM	National Association of Bedding Manufacturers
NACAB	National Accreditation Council for Agencies Serving the Blind and Visually Handicapped
NACE	National Association of Corrosion Engineers
NACE	National Association of County Engineers
NACM	National Association of Chain Manufacturers
NAEC	National Association of Elevator Contractors
NAFM	National Association of Furniture Manufacturers
NAGDM	National Association of Garage Door Manufacturers
NAHM	National Association of Hosiery Manufacturers
NAHPMM	National Association of Hospital Purchasing Materials Management
NAIOP	National Association of Industrial and Office Parks
NAJA	National Association of Jewelry Appraisers
NAMA	National Automatic Merchandising Association
NAMO	National Association of Manufacturing Opticians
NANPM	National Association of Name Plate Manufacturers
NAPCA	National Association of Pipe Coating Applicators
NAPF	National Association of Plastic Fabricators
NAPHCC	National Association of Plumbing-Heating-Cooling Contractors
NAPM	National Association of Photographic Manufacturers
NAPM	National Association of Punch Manufacturers
NAPM	National Association of Purchasing Management
NAR	National Association of Rocketry
NARI	National Association of Recycling Industries

NARM	National Association of Relay Manufacturers
NARS	National Archives and Records Service (GSA)
NASA	National Aeronautics and Space Administration
NASFCA	National Automatic Sprinkler and Fire Control Association
NASMV	National Association on Standard Medical Vocabulary
NASPO	National Association of State Purchasing Officials
NASTA	National Association of State Textbook Administrators
NATB	National Automobile Theft Bureau
NAVPUBS	Naval Publications and Forms Center
NBBPVI	National Board of Boiler and Pressure Vessel Inspectors
NBFAA	National Burglar and Fire Alarm Association
NBPA	National Bark Producers Association
NBS	National Bureau of Standards (Commerce)
NCA	National Coffee Association of the U.S.A.
NCB	National Cargo Bureau
NCCA	National Coil Coaters Association
NCCA	National Cotton Council of America
NCCLS	National Committee for Clinical Laboratory Standards
NCMA	National Concrete Masonry Association
NCPA	National Cottonseed Products Association
NCPI	National Clay Pipe Institute
NCPMA	National Clay Pot Manufacturers Association
NCPMA	Noise Control Products and Materials Association
NCPWB	National Certified Pipe Welding Bureau
NCRPM	National Council on Radiation Protection and Measurements
NCSA	National Crushed Stone Association
NCSBCS	National Conference of States on Building Codes and Standards
NCSCI	National Center for Standards and Certification Information (NBS, Commerce)
NCSPA	National Corrugated Steel Pipe Association
NCTA	National Cable Television Association
NEBB	National Environmental Balancing Bureau
NECA	National Electrical Contractors Association
NEHA	National Environmental Health Association
NEI	National Elevator Industry
NELMA	Northeastern Lumber Manufacturers Association
NEMA	National Electrical Manufacturers Association
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA, Commerce)
NESS	National Easter Seal Society
NF	National Formulary
NFAIS	National Federation of Abstracting and Information Services
NFDA	National Fastener Distributors Association
NFI	National Fisheries Institute
NFPA	National Fire Protection Association
NFPA	National Fluid Power Association
NFPA	National Food Processors Association
NFPA	National Forest Products Association
NFSA	National Fertilizer Solutions Association
NFSHI	National Fisheries Institute
NHLA	National Hardwood Lumber Association
NHPMA	Northern Hardwood and Pine Manufacturers Association
NHTSA	National Highway Traffic Safety Administration (DOT)
NIBS	National Institute of Building Sciences
NIJ	National Institute of Justice (see NBS, Commerce)
NIIS	National Institute of Infant Services
NIOP	National Institute of Oilseed Products
NIOSH	National Institute for Occupational Safety and Health (Center for Disease Control, HHS)
NKHA	National Kerosene Heater Association
NKMA	National Knitwear Manufacturers Association
NLA	National Lime Association
NLGI	National Lubricating Grease Institute
NLN	National League for Nursing
NLSBPH	National Library Service for the Blind and Physically Handicapped (Library of Congress)
NMD	National Mapping Division (USGS, Interior)
NMFS	National Marine Fisheries Service (Commerce)

NML/CFS	National Municipal League/Citizens Forum on Self-Government
NMRA	National Model Railroad Association
NMTBA	National Machine Tool Builders Association
NOAA	National Oceanic and Atmospheric Administration (Commerce)
NOCSAE	National Operating Committee for Standards in Athletic Equipment
NOFMA	National Oak Flooring Manufacturers Association
NPA	National Particleboard Association
NPCA	National Pest Control Association
NPFC	Naval Publications and Forms Center
NPIRI	National Printing Ink Research Institute
NRA	National Rifle Association of America
NRC	Nuclear Regulatory Commission
NRCA	National Roofing Contractors Association
NRDCA	National Roof Deck Contractors Association
NRMA	National Retail Merchants Association
NSA	National Slag Association
NSA	National Standards Association (Commerce)
NSAA	National Ski Areas Association
NSC	National Safety Council
NSDA	National Soft Drink Association
NSDJA	National Sash and Door Jobbers Association
NSF	National Sanitation Foundation
NSPA	National Soybean Processors Association
NSP3	National Society to Prevent Blindness
NSPI	National Spa and Pool Institute
NSPL	NASA Standard Parts List
NSPP	NASA Standard Parts Program
NSSEA	National School Supply and Equipment Association
NSTA	National Safe Transit Association
NSWMA	National Solid Wastes Management Association
NTA	Northern Textile Association
NTDRA	National Tire Dealers and Retreaders Association
NTIA	National Telecommunication and Information Administration (Commerce)
NTIS	National Technical Information Services
NTMA	National Terrazzo and Mosaic Association
NVLAP	National Voluntary Laboratory Accreditation Program (NBS, Commerce)
NWHA	National Wholesale Hardware Association
NWMA	National Woodwork Manufacturers Association
NWPCA	National Wooden Pallet and Container Association
NWS	National Weather Service (NOAA, Commerce)
NWWA	National Water Well Association
OBERD	Office of Building Energy Research and Development (DOE)
OESH	Office of Environment, Safety, and Health (DOE)
OFCM	Office of Federal Coordination for Metrology (Commerce)
OHO	Occupational Health Office (NASA)
OIRM	Office of Information Resources Management (USDA)
OLA	Optical Laboratories Association
OMA	Optical Manufacturers Association
ONRR	Office of Nuclear Regulatory Research (NRC)
OP	Office of Procurement (GSA)
OPEI	Outdoor Power Equipment Institute
OPS	Office of Procurement and Supply (VA)
OSA	Optical Society of America
OSHA	Occupational Safety and Health Administration (Labor)
OSMA	Orthopedic Surgical Manufacturers Association
OSS	Office of Statistical Standards (DOE)
OST	Office of Science and Technology (FCC)
OTC	Over-the-Counter (FDA, HHS)
OUSDRE	Office of the Undersecretary of Defense for Research and Engineering (DOD)
OUSTR	Office of the U.S. Trade Representative (Executive Office of the President)
PATMI	Powder Actuated Tool Manufacturers Institute
PCA	Portland Cement Association
PCI	Prestressed Concrete Institute
PCMI	Photo Chemical Machining Institute
PDCA	Painting and Decorating Contractors of America
PDI	Plumbing and Drainage Institute

PFI Porcelain Enamel Institute
 PFI Pipe Fabrication Institute
 PI Perlite Institute
 PIA Printing Industries of America
 PLA Pulverized Limestone Association
 PLCA Pipe Line Contractors Association
 PMA Pharmaceutical Manufacturers Association
 PMA Polyurethane Manufacturers Association
 PMI Project Management Institute
 PMMD Plant Mixer Manufacturers Division (CPMB)
 PMMI Packaging Machinery Manufacturers Institute
 PPC Paperboard Packaging Council
 PPI Plastics Pipe Institute
 PPMMA Pulp and Paper Machinery Manufacturers Association
 PSA Photographic Society of America
 PSA Portable Sanitation Association
 PSA Product Safety Association
 PSTC Pressure Sensitive Tape Council
 PTI Post-Tensioning Institute
 RCSHSB Red Cedar Shingle and Handsplit Shake Bureau
 REA Rural Electrification Administration (USDA)
 RFCI Resilient Floor Covering Institute
 RI Refractories Institute
 RIAA Recording Industry Association of America
 RIS Redwood Inspection Service
 RMA Rice Millers Association
 RMA Rubber Manufacturers Association
 RMI Rack Manufacturers Institute
 RSNA Radiological Society of North America
 RTA Railway Tie Association
 RTCA Radio Technical Commission for Aeronautics
 RTCM Radio Technical Commission for Maritime Services
 RVIA Recreation Vehicle Industry Association
 RWMA Resistance Welder Manufacturers Association
 SAAMI Sporting Arms and Ammunition Manufacturers Institute
 SAE Society of Automotive Engineers
 SAMA Scientific Apparatus Makers Association
 SAS Standardization and Support
 SBCCI Southern Building Code Congress International
 SBMA Steel Bar Mills Association
 SCCA Sports Car Club of America
 SCHHP Standards Committee for Hi-Lok and Hi-Tigue Products
 SCI Sponge and Chamois Institute
 SCMA Southern Cypress Manufacturers Association
 SDCE Society of Die Casting Engineers
 SDI Steel Deck Institute
 SDI Steel Door Institute
 SEIA Solar Energy Industries Association
 SEMI Semiconductor Equipment and Materials Institute
 SES Standards Engineering Society
 SESA Society for Experimental Stress Analysis
 SET System Engineering and Technology (NASA)
 SFA Slide Fastener Association
 SFI SEMA Foundation Incorporated
 SFPA Southern Forest Producers Association
 SFPE Society of Fire Protection Engineers
 SFSA Steel Founders Society of America
 SGCC Safety Glazing Certification Council
 SHLMA Southern Hardwood Lumber Manufacturers Association
 SI Salt Institute
 SI Silver Institute
 SID Society for Information Display
 SIGMA Sealed Insulating Glass Manufacturers Association
 SJI Steel Joist Institute
 SLA Special Libraries Association
 SMA Scale Manufacturers Association
 SMA Screen Manufacturers Association
 SMA Stucco Manufacturers Association

SMACNA	Sheet Metal and Air Conditioning Contractors National Association
SME	Society of Manufacturing Engineers
SMF	Snell Memorial Foundation
SMI	Spring Manufacturers Institute
SMMA	Small Motor Manufacturers Association
SMPTE	Society of Motion Picture and Television Engineers
SNAME	Society of Naval Architects and Marine Engineers
SPFA	Steel Plate Fabricators Association
SPI	Society of the Plastics Industry
SPIB	Southern Pine Inspection Bureau
SRCC	Solar Rating and Certification Corporation, see SEIA
SRI	Southwest Research Institute
SSCC	Snowmobile Safety and Certification Committee
SSCI	Steel Service Center Institute
SSCI	Steel Shipping Container Institute
SSFI	Scaffolding, Shoring and Forming Institute
SSPC	Steel Structures Painting Council
SSPMA	Sump and Sewage Pump Manufacturers Association
STC	Society for Technical Communication
STI	Steel Tank Institute
SWI	Steel Window Institute
TAB	Traffic Audit Bureau
TAPPI	Technical Association of the Pulp and Paper Industry
TBA	Test Boring Association
TBEA	Truck Body and Equipment Association
TCA	Tanners Council of America
TCA	Tile Council of America
TCNA	Tube Council of North America
TDCC	Transportation Data Coordinating Committee
TEMA	Tubular Exchanger Manufacturers Association
THMA	Trailer Hitch Manufacturers Association
TI	Thread Institute
TIMA	Thermal Insulation Manufacturers Association
TMA	Toy Manufacturers of America
TMMB	Truck Mixer Manufacturers Bureau
TPI	Truss Plate Institute
TRA	Tire and Rim Association
TRI	Tin Research Institute
TRMI	Tubular Rivet and Machine Institute
TRSA	Textile Rental Services Association of America
TTMA	Truck Trailer Manufacturers Association
UIA	Ultrasonic Industry Association
UL	Underwriters Laboratories
ULPA	United Lightning Protection Association
USCG	United States Coast Guard (DOT)
USCIB	United States Council for International Business
USCS	United States Customs Service (Treasury)
USDA	Department of Agriculture
USDA/FS	Department of Agriculture Forest Service
USGA	United States Golf Association
USGS	United States Geological Survey (Interior)
USHSLA	United States Hide, Skin and Leather Association
USMA	United States Metric Association
USP	United States Pharmacopeial Convention
USPTO	United States Patent and Trademark Office (Commerce)
USTA	United States Telephone Association
USTC	United States Testing Company
USTC&TBA	United States Tennis Court and Track Builders Association
USTR	United States Trade Representative (Executive Office of the President)
VA	Veterans Administration
VCMA	Vacuum Cleaner Manufacturers Association
VMA	Valve Manufacturers Association
VRCI	Variable Resistive Components Institute
YSMF	See Information Handling Services
WCLIB	West Coast Lumber Inspection Bureau
WEC	Western Electric Company
WHA	Wood Heating Alliance
WMMA	Wood Machinery Manufacturers of America

WMMP Wood Moulding and Millwork Producers
WPCF Water Pollution Control Federation
WPI Whey Products Institute
WQA Water Quality Association
WRD Water Resources Division, (USGS, Interior)
WRI Wire Reinforcement Institute
WSC Water Systems Council
WSFI Wood and Synthetic Flooring Institute
WWPA Western Wood Products Association
ZI Zinc Institute

6.3 FORMER NAMES OF LISTED ORGANIZATIONS

Accrediting Bureau of Medical Laboratory Schools
now: Accrediting Bureau of Health Education Schools

Acoustical and Board Products Association
now: American Hardboard Association

Air Moving and Conditioning Association
now: Air Movement and Control Association

Air Structures Institute
now: Architectural Fabric Structures Institute

American Association for Health, Physical Education and Recreation
now: American Alliance for Health, Physical Education, Recreation and Dance

American Boards of Examiners in Speech Pathology and Audiology
now: American Speech-Language and Hearing Association

American Mutual Insurance Alliance
now: Alliance of American Insurers

American Society for Abrasive Methods
now: Abrasive Engineering Society

Canvas Products Association International
now: Industrial Fabrics Association International

Chain Saw Manufacturers Association
now: Portable Power Equipment Manufacturers Association

Crane Manufacturers Association of America
now: Product Section of Material Handling Institute

Essential Oil Association of U.S.A.
now: Fragrance Materials Association

Federation of Societies for Paint Technology
now: Federation of Societies for Coatings Technology

Gypsum Roof Deck Foundation
now: National Roof Deck Contractors Association

Department of Health Education and Welfare
now: Department of Health and Human Services

Hoist Manufacturers Institute
now: Product Section of Material Handling Institute

Industrial Management Society
now: American Institute of Industrial Engineers

Industrial Medical Society
now: American Occupational Medical Association

Institute of Printed Circuits
now: Institute for Interconnecting and Packaging Electronic Circuits

Institute of Traffic Engineers
now: Institute of Transportation Engineers

Insulated Power Cable Engineers Association
now: Insulated Cable Engineers Association

Linen Supply Association of America
now: Textile Rental Services Association of America

Manufacturing Chemists Association
now: Chemical Manufacturers Association

Preceding page blank

Metal Cookware Manufacturers Association
 now: Cookware Manufacturers Association

Metal Tube Packaging Council of North America
 now: Tube Council of North America

Mobile Homes Manufacturers Association
 now: Manufactured Housing Institute

National Accreditation Council
 now: National Accreditation Council for Agencies Serving the Blind and Visually Handicapped

National Association of Motor Bus Owners
 now: American Bus Association

National Association of Wiping Cloth Manufacturers
 now: International Association of Wiping Cloth Manufacturers

National Audio-Visual Association
 now: International Communications Industries Association

National Builders Hardware Association
 now: Door and Hardware Association

National Canners Association
 now: National Food Processors Association

National Environmental Systems Contractors Association
 now: Air Conditioning Contractors of America

National Federation of State High Schools Associations
 see: National Operating Committee for Standards in Athletic Equipment

National Micrographics Association
 now: Association for Information and Image Management

National Mineral Wool Insulation Association
 now: Mineral Insulation Manufacturers Association

National Silo Association
 now: International Silo Association

National Swimming Pool Institute
 now: National Spa and Pool Institute

National Gas Processors Association
 now: Gas Processors Association

Resilient Tile Institute
 now: Resilient Floor Covering Institute

Rubber Reclaimers Association
 now: National Association of Recycling Industries

Specialty Wire Association
 now: American Wire Association

Sprinkler Irrigation Association
 now: Irrigation Association

Steatite Manufacturers Association
 now: Dry Process Ceramic and Steatite Manufacturers Association

Sump Pump Manufacturers Association
 now: Sump and Sewage Pump Manufacturers Association

Telephone Group

now: Exchange Carriers Standards Association

United States Council of the International Chamber of Commerce

now: United States Council for International Business

United States Independent Telephone Association

now: United States Telephone Association

Water Conditioning Foundation

now: Water Quality Association

Western Wood Moulding and Millwork Producers

now: Wood Moulding and Millwork Producers

6.4 ORGANIZATIONS NO LONGER INVOLVED IN STANDARDIZATION

Organizations that had developed standards or were listed in the 1975 Directory and that are

- (a) no longer active in standardization;
- (b) defunct or merged with another organization; or
- (c) cannot be located.

Adhesive and Sealant Council (a)
Alumina Ceramic Manufacturers Association (b)
Amateur Athletic Union of the United States (a)
American Amateur Baseball Congress (c)
American Association for Rehabilitation Therapy (a)
American Association of Medical Milk Commissions (c)
American Board for Certification in Orthotics and Prosthetics (a)
American Ceramic Society (a)
American Footwear Industries Association (a)
American Gem Society (a)
American Ski Teachers Association of Natur Technik (c)
American Society for Metals (a)
American Wax Importers and Refiners Association (c)
American Wood Inspection Agency (b)
Asbestos Textile Institute (b)
Associated Cooperage Industries of America (a)
Association of American State Boards of Examiners in Veterinary Medicine (a)
Atomic Industrial Forum (a)
Bituminous Pipe Institute (b)
Cast Bronze Bearing Institute (a)
Coffee Brewing Center (a)
Concrete Sawing and Drilling Association (a)
Dry Color Manufacturers Association (a)
Expansion Anchor Manufacturers Institute (a)
Family Camping Federation of America (a)
Finnish Plywood Development Association (b)
Food Marketing Institute (a)
Gray and Ductile Iron Founders Society (a)
INDA Association of the Nonwoven Fabrics Industry (a)
Institute of High Fidelity (b) absorbed by EIA
Interagency Screw Thread Committee (b) transferred to Department of Defense
International Association of Geophysical Contractors (a)
International Association of Wall and Ceiling Contractors (b)
International Nonwovens and Disposables Association (a)
Joint Industrial Council (b)
Metal Lath/Steel Framing Association (a)
Milk Bottle Crate Manufacturers (b)
National Agriculture Chemicals (a)
National Association of Blue Shield Plans (a)
National Association of Food Chains (a)
National Association of Glue Manufacturers (b)
National Association of Insect Electrocuters Manufacturers (a)
National Association of Pattern Manufacturers (a)
National Association of Store Fixture Manufacturers (a)
National Barrel and Drum Association (a)
National Committee on Uniform Traffic Laws and Ordinances (b)
National Flaxseed Processors Association (b)
National Paper Box Association (a)
National Ready Mixed Concrete Association (a)
National Sand and Gravel Association (a)
National Scale Men's Association (a)
North American Wholesale Lumber Association (a)
Paper Stationery and Tablet Manufacturers Association (b)
Stained Glass Association of America (a)
Textile Care Allied Trades Association (a)
Western Wooden Box Association (a)
Writing Instrument Manufacturers Association (a)

NBS Technical Publications

Periodicals

Journal of Research—The Journal of Research of the National Bureau of Standards reports NBS research and development in those disciplines of the physical and engineering sciences in which the Bureau is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Bureau's technical and scientific programs. As a special service to subscribers each issue contains complete citations to all recent Bureau publications in both NBS and non-NBS media. Issued six times a year.

Nonperiodicals

Monographs—Major contributions to the technical literature on various subjects related to the Bureau's scientific and technical activities.

Handbooks—Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

Special Publications—Include proceedings of conferences sponsored by NBS, NBS annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

Applied Mathematics Series—Mathematical tables, manuals, and studies of special interest to physicists, engineers, chemists, biologists, mathematicians, computer programmers, and others engaged in scientific and technical work.

National Standard Reference Data Series—Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NBS under the authority of the National Standard Data Act (Public Law 90-396).

NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published quarterly for NBS by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW, Washington, DC 20036.

Building Science Series—Disseminates technical information developed at the Bureau on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

Technical Notes—Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NBS under the sponsorship of other government agencies.

Voluntary Product Standards—Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NBS administers this program as a supplement to the activities of the private sector standardizing organizations.

Consumer Information Series—Practical information, based on NBS research and experience, covering areas of interest to the consumer. Easily understandable language and illustrations provide useful background knowledge for shopping in today's technological marketplace.

Order the above NBS publications from: Superintendent of Documents, Government Printing Office, Washington, DC 20402.

Order the following NBS publications—FIPS and NBSIR's—from the National Technical Information Service, Springfield, VA 22161.

Federal Information Processing Standards Publications (FIPS PUB)—Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NBS pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

NBS Interagency Reports (NBSIR)—A special series of interim or final reports on work performed by NBS for outside sponsors (both government and non-government). In general, initial distribution is handled by the sponsor; public distribution is by the National Technical Information Service, Springfield, VA 22161, in paper copy or microfiche form.

