

STANDARDS ORGANIZATIONS

THE STANDARDS section of the annual ElectroMechanical Bench Reference (EMBR) lists groups, agencies and organizations that are responsible for writing, issuing, and (sometimes) enforcing standards that can affect electrical and electromechanical product manufacture and usage. Beginning in 2011, the section has moved to the January issue of *Electrical Apparatus*, and will also be published online.

On the following pages you will find newly enhanced versions of our Standards listings. For additional information, including longer descriptions and direct links to specific website sections of listed organizations, visit our new standards section @<http://www.barks.com>.

We've made special effort to check and confirm web addresses for each listing. Standards organizations are particularly well suited to Internet interaction because of the global nature of their work. Websites permit organizations to offer up to date information and communication opportunities "24/7," without regard to time zones and without the need for inconvenient and expensive international telephoning and mailings. Although many websites are not available in English, web-based tools are available to translate web text or even entire webpages.

Some of these entities, particularly those associated with a governmental agency, are responsible for verifying the compliance of products with existing standards, either domestic or international. That verification takes a variety of forms — "listing," "labeling," "certification," and "registration" are the most common. Even though an organization may not actually write a standard, its perceived role in the industry is as a "standards" agency, and some of those listed here are in that category.

To propose additional organizations for inclusion or to correct or update information, contact the EMBR Editors at embr@barks.com or telephone 312-321-9440.

- The Editors

AA
The Aluminum Association, Inc.
1525 Wilson Blvd., Suite 600
Arlington, VA 22209
Tel: 703-358-2960 Fax: 703-358-2961
pdorsey@aluminum.org
www.aluminum.org
Aluminum Association designations and product standards information are used throughout all facets of aluminum commerce, as well as in other organizations' codes and standards. A list of standards and how to order standards publications is available on the website.

ABMA
American Bearing Manufacturers Assn.
2025 M Street NW, Suite 800
Washington, DC 20036
Tel: 202-367-1155 Fax: 202-367-2155
info@americanbearings.org
www.americanbearings.org
Develops standards and serves as Secretariat for several international standards bodies on behalf of standards for insert, tapered roller, miniature/instrument, linear motion and other bearings.

ABNT
Associação Brasileira de Normas Técnicas - Brazilian Technical Norms Association
Ave. Treze de Maio, 13-28 andar
Rio De Janeiro, Brazil 20031-901
Tel: +21 3974-2300 Fax: +21 3974-2346
atendimento.rj@abnt.org.br
www.abnt.org.br
Provides systems certification, product certification, personnel certification and environmental labelling.

ACA
American Chain Assn.
6724 Lone Oak Blvd.
Naples, FL 34109
Tel: 239-514-3441 Fax: 239-514-3470
aca@americanchainassn.org
www.americanchainassn.org
Establishes and maintains standards for power transmission and conveying chains, sprockets, wheels, and allied products.

ACCA
Air Conditioning Contractors of America
2800 Shirlington Road, Suite 300
Arlington, VA 22206
Tel: 703-575-4477 Fax: 703-575-9147
glenn.hourahan@acca.org
www.acca.org
Develops industry standards for HVACR system design, installation, and maintenance. Technical Manuals Series provides procedures and calculations used by designers, installers and technicians in creating HVACR systems that meet code requirements and ensure customer comfort. Leading HVACR references and manuals from other publishers.

AEIC
Association of Edison Illuminating Co.
600 N. 18th St. Birmingham, AL 35291
Tel: 205-257-2530 Fax: 205-257-2540
aeicdir@bellsouth.net
www.aeic.org
Encourages research and the exchange of technical information through a committee structure, staffed with experts from management of member companies. AEIC committees exchange information, ideas and solutions with standards groups and industry bodies such as EPRI, INPO, ANSI, and NERC.

AENOR
Spanish Assn. for Standardization and Certification
Asociación Española de Normalización y Certificación, Castilla y León, Marina Escobar 2, entreplanta
Valladolid, Spain 47001
Tel: +34 983 549 740 Fax: 983 548 743
dcyl@aenor.es
www.aenor.es
Develops Spanish standards (UNE) and represents Spanish interests in the European and international standardization bodies.

AFNOR
Association Française de Normalisation
11, rue Francis de Pressensé
La Plaine Saint-Denis Cedex, France 93571
Tel: 41 62 80 00 Fax: 49 17 90 00
norminfo@afnor.org
www.afnor.fr
Provides certification, industry press, training, and a four-point standardization program designed to: control globalization; encourage ecological, social and ethical sustainable development; enhance the value of standards; make standards more visible.

AHRI
(formerly ARI) Air-Conditioning, Heating, and Refrigeration Institute
2111 Wilson Blvd, Suite 500
Arlington, VA 22201
Tel: 703-524-8800 Fax: 703-528-3816
mwoodford@arinet.org
www.arinet.org
*Develops, reviews, interprets, provides access to, and offers information about standards and guidelines for the air-conditioning, heating and refrigeration industries.**

AISC
American Institute of Steel Construction
One E. Wacker Drive, Suite 700
Chicago, IL 60601-1802
Tel: 312-670-2400 Fax: 312-760-5403
miller@aisc.org
www.aisc.org
Serves the structural steel design community and construction industry in structural steel-related technical and market-building activities, including specification and code development, research, education, technical assistance, quality certification, standardization, and market development.

AIST
Association for Iron & Steel Technology
186 Thorn Hill Rd.
Warrendale, PA 15086-7528
Tel: 724-814-3068 Fax: 724-814-3069
bbliiss@aist.org
www.aist.org
*29 Technology Committees address specific process, engineering, equipment or reliability technologies associated with the iron and steel industry.**

AMCA
Air Moving & Control Association Intl
30 W. University Drive
Arlington Heights, IL 60004-1893
Tel: 847-394-0150 Fax: 847-253-0088
lullrich@amca.org
www.amca.org
Develops and maintains standard methods of testing for rating the products of its industries. Develops and implements Certified Ratings Programs. Encourages member companies to use recognized method of test standard. Develops the use of standard definitions, nomenclature, sizes, and other standards.

ANCE
Asociación Nacional de Normalización y Certificación del Sector Eléctrico; National Assn. of Standardization - Av. Eje Central Lázaro Cárdenas 869, Esq. Jupiter Nueva Industrial Vallejo México, DF 07700
Tel: +52 (55) 5747-4550
Fax: +52 (55) 5747-4560
ahernandez@ance.org.mx
www.ance.org.mx
Responsible for standards for electrical equipment in Mexico.

ANSI
American National Standards Institute
25 W. 43rd St. 4th floor
New York, NY 10036
Tel: 212-642-4900 Fax: 212-398-0023
info@ansi.org
www.ansi.org
Founded in 1918, oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector. Actively engaged in accrediting programs that assess conformance to standards - including globally-recognized cross-sector programs such as the ISO 9000 (quality) and ISO 14000 (environmental) management systems.

API
American Petroleum Institute
1220 L St. NW
Washington, DC 20005-4070
Tel: 202-682-8000 Fax: 202-682-8222
standards@api.org
www.api.org
Produces standards, recommended practices, specifications, codes and technical publications, reports and studies that cover each segment of the oil and gas industry.

ASA
Acoustical Society of America
2 Huntington Quadrangle, Suite 1N01
Melville, NY 11747-4502
Tel: 516-576-2360 Fax: 516-576-2377
asa@aip.org
asa.aip.org
Operates four standards committees on Acoustics, Mechanical vibration and shock, Bioacoustics and Noise.

ASEBA
American Society of Agricultural & Biological Engineers
2950 Niles Rd.
Saint Joseph, MI 49085
Tel: 269-429-0300 Fax: 269-429-3852
VanGilder@asabe.org
www.asabe.org
Dedicated to advancement of engineering applicable to agricultural, food, and biological systems, ASABE Standards, Engineering Practices, and Data, developed and maintained through the Cooperative Standards Program.

ASME
American Society of Mechanical Engineers
PO Box 2300
Fairfield, NJ 07007-2300
Tel: 973-882-1170 800-843-2763
Fax: 973-882-1717
infocentral@asme.org
www.asme.org
Mechanical and multidisciplinary engineering codes, standards, conformity assessment programs, and related products and services.

ASQ
American Society for Quality
600 N. Plankinton Ave.
Milwaukee, WI 53201-3005
Tel: 414-272-8575 800-248-1946
Fax: 414-272-1734
help@asq.org
www.asq.org
A global community, established in 1946, of experts focused on achieving quality in all fields, organizations, and industries by applying quality tools, techniques, and systems. Administrator of the U.S. Technical Advisory Group of the ISO 26000 standard on social responsibility.

ASTM
American Society for Testing & Materials
100 Barr Harbor Drive, P. O. Box C 700
West Conshohocken, PA 19428-2959
Tel: 610-832-9500 Fax: 610-832-9555
dbradley@astm.org
www.astm.org
An open forum for the development of high-quality, market-relevant international standards. Publishes standards, standard adjuncts and research reports as print publications, subscriptions and via other media.

ATIS
Alliance for Telecommunications Industry Solutions
1200 G St. N.W.
Washington, DC 20005
Tel: 202-628-6380 Fax: 202-393-5453
atispr@atis.org
www.atis.org
Technical planning and standards development organization committed to the rapid development of global, market-driven standards for the information, entertainment and communications industry.

AWS
American Welding Society
550 N. W. LeJeune Road
Miami, FL 33126
Tel: 305-443-9353 800-443-9353
Fax: 305-443-7559
info@aws.org
www.aws.org
Develops codes, recommended practices, and guides produced under ANSI procedures for resistance welding equipment (not electrical); offers certification programs to identify and provide opportunities for welding professionals.

BIS

Bureau of Indian Standards
Manak Bhavan, 9 Bahadur Shah Zafar
Marg New Delhi, India 110 002
Tel: +91-11-23230131 Fax: 23239399
its@bis.org.in www.bis.org.in
Engaged in formulation of Indian Standards for fourteen business sectors. Special attention is given to multidisciplinary areas such as energy conservation, environmental protection, rural development and safety.

BPS

Philippines Bureau of Product Standards
3rd Floor, Trade and Industry Building
361 Sen. Gil Puyat Avenue
Makati City, Philippines 1200
Tel: 632-751-3123 Fax: 632-751-4706
bps@dti.gov.ph www.bps.dti.gov.ph
Develops, implements, and coordinates standardization activities in the Philippines.

BSI

BSI America (British Standards Institution)
12110 Sunset Hills Road, Suite 200
Reston, VA 20190-5902
Tel: 800-862-4977 Fax: 703-437-9001
www.bsiamerica.com
The world's first National Standards Body, BSI Group partners with 66,000 organizations in 147 countries to provide the development and sale of private, national and international standards and supporting information; management systems; assessment, testing and certification; performance management software solutions; and training services.

BSN

Badan Standardisasi Nasional / National Standardization Agency of Indonesia
Gedung Manggala Wanabakti Blok IV lantai 3-4, Jl. Gatot Subroto, Senayan Jakarta, Indonesia 10270
Tel: +62 021-5747043 Fax: 5747045
bsn@bsn.go.id bsn.go.id
A non-ministerial Government Institution in Indonesia, accommodates inquiry, information services and suggestions regarding development and implementation of standards, conformity assessment and issues concerning standardization.

BSTI

Bangladesh Standards and Testing Institution
Maan Bhaban, 116/A Tejgaon Industrial Area Dhaka-1208, Bangladesh
Tel: (880-2) 8821462 Fax: 9131581
bsti@bangla.net www.bsti.gov.bd
Develops and promotes industrial standardization in Bangladesh, preparing standards for all articles, products, methods and services.

CEA

Consumer Electronics Assn
1919 S. Eads St.
Arlington, VA 22202
Tel: 703-907-7600 866-858-1555
Fax: 703-907-7675
standards@CE.org www.ce.org
Develops essential industry standards to enable interoperability between new products hitting the market and existing devices, addressing technological innovation, marketplace globalization and regulatory reform.

CEI

Comitato Elettrotecnico Italiano Italian ElectroTechnical Committee
Via Saccardo, 9 Milano MI, Italy 20134
Tel: +39 02 21006.1 Fax: 21006.210
cei@ceiweb.it www.ceiweb.it
Preparation, publication, promotion and distribution of technical standards in the electric, electronic and telecommunications fields for materials, equipment, machinery, installations, processes and programs, setting the relevant quality and safety requirements needed for their conformity with the best practices.

CEMA

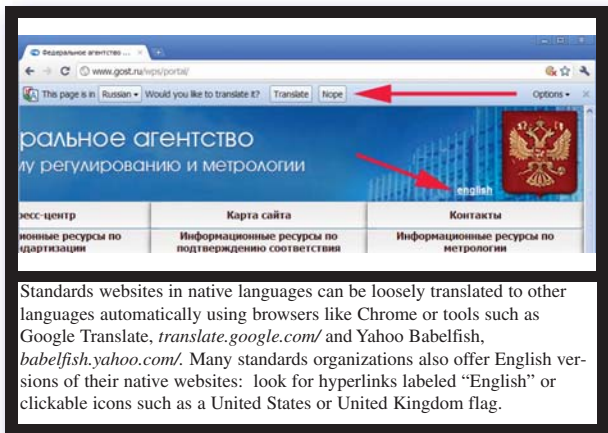
Conveyor Equipment Manufacturers Assn.
6724 Lone Oak Blvd.
Naples, FL
Tel: 239-514-3441 Fax: 239-514-3470
cema@cemanet.org www.cemanet.org
Provides standards and other documents that perform consistent industry terminology with associated definitions, as well as basic engineering guidelines to enable the proper selection of standard components and develop these into a functional conveyor layout.

CEN

Comite Europeen de Normalisation/
European Committee for Standardization
Avenue Marnix 17, B-1000
Brussels, Belgium
Tel: +32 2 550 08 11 Fax: 2 550 08 19
infodesk@cen.eu www.cen.eu
Develops new business and promotes the use of standards and CEN Workshop Agreements in new markets and those business environments that do not use them.

CENELEC

European Committee for Electrotechnical Standardization
17 avenue Marnix
Brussels, B-1000 Belgium
Tel: +32 2 519 68 71 Fax: 2 519 69 19
infodesk@cenelec.eu www.cenelec.eu
Officially responsible for standardization in the electrotechnical field. Creates market access at the European level and at the international level through its cooperation



Standards websites in native languages can be loosely translated to other languages automatically using browsers like Chrome or tools such as Google Translate, translate.google.com/ and Yahoo Babelfish, babelfish.yahoo.com/. Many standards organizations also offer English versions of their native websites: look for hyperlinks labeled "English" or clickable icons such as a United States or United Kingdom flag.

*agreement with the International Electrotechnical Commission (IEC). **

CIE

International Commission on Illumination
Kegelgasse 27
Wien (Vienna), Austria A-1030
Tel: +43 1 714 31 87 0 Fax: 714 31 87 18
ciecb@cie.co.at www.cie.co.at
International standards-making body focused on the exchange of information on all matters relating to the science and art of light and lighting, color and vision, photobiology and image technology.

CSA

CSA Group
178 Rexdale Blvd.,
Toronto, Ontario M9W 1R3 Canada
Tel: 416-747-4000 800-463-6727
Fax: 416-747-4149
(CSA Int'l/CSA Standards is in Cleveland OH - see csa-international.org)
info@csagroup.org www.csagroup.org
*Provides standards development, application products, training and advisory services, testing and certification services, and OnSpeX consumer services for retailers and manufacturers. **

CSBTS

China State Bureau of Technical Supervision
4, Zhi Chun Road, Haidian District
P. O. Box 8010, Beijing, 100088
China
Tel: +86 106 203 24 34
Fax: +86 106 203 10 10

DIN

Deutsche (German) Institute for Standardization
Beuth Verlag GmbH, Burggrafenstraße 6
Berlin, 10787 Germany
Tel: +49 30 2601-0 Fax: 30 2601-1231
postmaster@din.de www.din.de
Develops consensus-based standards that meet market requirements, as a service to industry, the German state and society as a whole.

DKE

German Commission for Electrical, Electronic, & Information Technologies
Stresemannallee 15
Frankfurt Am Main, Germany 60596
Tel: +49 69 63 08-0 Fax: 69 63 08-98 63
dke@vde.com www.vde.com
German organization responsible for the elaboration of standards and safety specifications covering the areas of electrical engineering, electronics and information technology.

EGSA

Electric Generating Systems Assn.
1650 S. Dixie Highway, Suite 500
Boca Raton, FL 33432-7462
Tel: 561-750-5575 Fax: 561-395-8557
e-mail@egsa.org www.egsa.org
Participates in the writing of national standards involving the use of on-site power, including code listings, glossaries, and guides.

EIA

Electronic Industries Alliance
2500 Wilson Blvd.
Arlington, VA 22201-3834
Tel: 703-907-7500 Fax: 703-907-7501
emikoski@eia.org www.eia.org
Represents the electronics industry sector comprising designers, manufacturers and suppliers of passive and active electronic components, component arrays and assemblies, and commercial and industrial electronic equipment and supplies.

ELOT

Hellenic Organization for Standardization
Acharnon 313
Athens, 111 45 Greece
Tel: +30-210-212 0100
Fax: 210-228-3034
elotinfo@elot.gr www.elot.gr
Prepares, adopts, distributes and promotes the implementation and use of Greek standards and standardization documents.

EOS

Egyptian Organization for Standardization and Quality Control
16 Tadreeb El- Modarbeen St.,
Ameriya Cairo, Egypt
Tel: 202 22845524 Fax: 202 22845501
moi@idsc.net.eg www.eos.org.eg/
Official body responsible for standardization activities, quality and industrial metrology aiming at increasing the competitiveness of the Egyptian products in the international and regional markets along with consumer's and environment protection.

ESDA

Electrostatic Discharge Assn.
7900 Turin Rd., Bldg. 3
Rome, NY 13440-2069
Tel: 315-339-6937 Fax: 315-339-6793
info@esda.org www.esda.org
Publishes standards, standard test methods, standard practices, technical reports, and informational advisory documents, all of which serve as a focal point for ESD standards development.

ETSI

European Telecommunications Standards Institute
650, route des Lucioles
Sophia-Antipolis Cedex, 06921 France
Tel: +33 0 4 92 94 42 00
Fax: +33 0 4 93 65 47 16
info@etsi.org www.etsi.org
Produces globally-applicable standards for Information and Communications Technologies (ICT), including fixed, mobile, radio, converged, broadcast and internet technologies.

EVS

Estonian Centre for Standardization
10, Aru St., EE-10317
Tallinn, 10317 Estonia
Tel: +372 605 5050 Fax: 605 5070
info@evs.ee www.evs.ee
Publishes and sells standards and related publications for the country of Estonia.

FM

Factory Mutual - Norwood Office
500 River Ridge Road, P.O. Box 9102
Norwood, MA 02062
Tel: 781-440-8000 Fax: 781-440-8742
servicedesk.myrisk@fmglobal.com
www.fmglobal.com
Offers worldwide industrial and commercial product certification and testing services through FM Approvals.

DS

Dansk Standard
Kollegievej 6
Charlottenlund, DK-Denmark 2920
Tel: +45 39 96 61 01 Fax: 39 96 61 02
dansk.standard@ds.dk www.ds.dk
Private commercial foundation whose core activity is standardization, Holds a performance contract with the Danish Ministry for Economic and Business Affairs.

DSM

Department of Standards Malaysia
Century Square, Level 1 & 2, Block 2300,
Jalan Usahawan,
63000 Cyberjaya, Malaysia
Tel: +603-8318 0002 Fax: 603-8319-3131
central@standardsmalaysia.gov.my
www.standardsmalaysia.gov.my
Develops, promulgates and promotes the use of Malaysian Standards and participates in regional and international standardization activities..

EFC

Electro Federation Canada
180 Attwell Drive, Suite 300
Toronto, ON M9W 6A9 Canada
Tel: 905-602-8877 Fax: 416-679-9234
info@electrofed.com
www.electrofed.com
Champions the issues, growth and prosperity of the Canadian electrical and electronics industries.

GOST

Gosudarstvennaya Standartnyy; Federal Agency on Technical Regulating and Metrology
9 Leninsky Prospekt
Moscow, V-49, GSP-1, 11 Russia
Tel: +7 495 236 03 00 Fax: 236 62 31
info@gost.ru www.gost.ru
Controls and supervises the compliance of mandatory requirements of Russian state standards and technical regulations.

HI

Hydraulic Institute
6 Campus Drive, 1st Floor North Parsippany, NJ 07054
Tel: 973-267-9700 Fax: 973-267-9055
Rasdal@Pumps.org www.Pumps.org
*Develops authoritative product-neutral guidelines, standards, and educational products for pump users, consultants, contractors, construction firms, and manufacturers as well as producers of seals, motors, instrumentation, controls, and pump software developers and systems integrators.**

ICONTEC

Colombian Institute for Technical Standards and Certification
Carera 37 #52-95 Edificio ICONTEC Bogota D.C., Colombia
Tel: 571-607-8888 Fax: 571-222-1435
www.icontec.org
Works to promote standardization, certification, metrology and quality management in Colombia.

IEEE

Institute of Electrical & Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08855-4141
Tel: 732-981-0060 800-678-4333
Fax: 732-562-6380
customer-service@ieee.org
www.ieee.org
Provides a wide range of quality publications and standards that make the exchange of technical knowledge and information possible among technology professionals, delivered through the IEEE Xplore Digital Library.

IESNA

Illuminating Engineering Society of North America
120 Wall St., Floor 17
New York, NY 10005
Tel: 212-248-5000
Fax: 212-248-5017/18
iesna@iesna.org www.iesna.org
Develops standards, design guides, technical memoranda, lighting energy management materials, guidelines and lighting measurement, testing and calculation guides for lighted environments.

IMA

International Magnetics Assn.
8 S. Michigan Ave., Suite 1000
Chicago, IL 60603
Tel: 312-456-5590 Fax: 312-580-0165
ima@gss.net www.intl-magnetics.org

INEN

Instituto Ecuatoriano de Normalizacion Baquerizo Moreno E8-29 y Diego de Almagro, Edificio Central INEN
Quito, Ecuador
Tel: 593 2 501885 Fax: 593 2 2567815
baguilera@inen.gob.ec www.inen.gob.ec
The official body of the Republic of Ecuador for standardization, certification and metrology.

INMETRO

National Institute of Metrology, Standardization and Industrial Quality
Saint Alexandrina St., 416, Rio Comprido Rio De Janeiro, 20261-232 Brazil
Tel: 55 (21) 2679-9001
Fax: 55 (21) 2563-1009
dimci@inmetro.gov.br
www.inmetro.gov.br
Implements Brazil's national policies on metrology and quality; verifies compliance with technical and legal standards of measurement and quality.

INN

Instituto Nacional de Normalizacion; National Institute of Standardization
Matias Cousino 64 floor 6
Santiago, Chile
Tel: 56-2-4458870 Fax: 44 10427
normas@inn.cl www.inn.cl
Contributes to the country of Chile's development by encouraging the development and use of Chilean standards, coordinating the National Network of Metrology and performing conformity assessment.

INNORPI

Institut National de la Normalisation et de la Propriete Industrielle
Rue 8451 n° 8 par la rue Alain Savary, BP 57 – Cité El Khadra
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Tel: +216 71 806 758 Fax: 71 807 071
innorpi@planet.tn www.innorpi.tn
In charge of standardization, product and quality systems certification, quality promotion and protection of industrial property for the country of Tunisia.

IPC

Association Connecting Electronics Industries
3000 Lakeside Drive, 309 S.
Bannockburn, IL 60015
Tel: 847-615-7100 Fax: 847-615-7105
answers@ipc.org www.ipc.org
Develops standards and standards documents for printed circuit board and electronics manufacturing service companies, their customers and suppliers.

IRAM

Instituto Argentino de Normalizacion Peru 552556 (C1068 AAB)
Ciudad Automa De Buenos Aires, Argentina
Tel: +54 11 4346 0600 Fax: 4346 0601
iram-iso@iram.org.ar www.iram.org.ar
Develops, publishes and promotes standards and certification programs for Argentina.

ISA

The Instrumentation, Systems, and Automation Society
67 Alexander Drive, P. O. Box 12277
Research Triangle Park, NC 27709
Tel: 919-549-8411 Fax: 919-549-8288
info@isa.org www.isa.org
Develops standards; certifies industry professionals; provides education and training; publishes books and technical articles; and hosts conferences and exhibitions for automation professionals.

ISEA

International Safety Equipment Assn.
1901 N. Moore St.
Arlington, VA 22209-1762
Tel: 703-525-1695 Fax: 703-528-2148
isea@safetysystem.com
www.safetysystem.com
*Secretariat for personal safety equipment standards (high visibility safety apparel, chemical protective garments, eye, face, hand and head protection); advocates for safety equipment that meets standards.**

ISIRI

Institute of Standards and Industrial Research of Iran
No.1294, Valliaser Ave., Vanak Square, southwestern side, P. O. Box: 14155-6139
Tehran, Iran
Tel: +98 (21) 88879461-5 Fax: 88887080
standard@isiri.org.ir www.isiri.org
The sole organization in the country of Iran that can lawfully develop and designate official standards for products, and the responsible body for conducting them through the endorsement of the Council of Compulsory Standards.

ISO

International Org. for Standardization
1, ch. de la Voie-Creuse, Case postale 56
1211 Geneva 20 Switzerland
Tel: +41-22 749 01 11 Fax: 733 34 30
www.iso.org
A network of the national standards institutes of 163 countries, one member per country, with a Central Secretariat in Geneva, Switzerland, that coordinates the system, ISO is the world's largest developer and publisher of International Standards.

IST

Icelandic Standards
Laugavegur 178, 2. hæð
Reykjavik, 105 Iceland
Tel: +354 520 7150 Fax: +354 520 7171
stadlar@stadlar.is www.stadlar.is
Standards Council of Iceland is a forum for stakeholders to work towards standardization and use of standards in Iceland.

ITI

Information Technology Industry Council
1101 K St, NW Suite 610
Washington, DC 20005
Tel: 202-737-8888 Fax: 202-638-4922
info@itic.org www.itic.org
Forum for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. Sponsored by Information Technology Industry Council (ITI).

ITU

International Telecommunications Union
Place des Nations, 1211
1211 Geneva 20 Switzerland
Tel: +41 22 730 5111 Fax: 733 7256
itumail@itu.int www.itu.int
Develops standards used to create infrastructure to deliver telecommunications services on a worldwide basis.

IUNT

Instituto Uruguayo de Normas Tecnicas
Plaza Independencia 812 - Piso 2
Montivideo, Uruguay
Tel: +598 901 2048 Fax: +598 902 1681
unit-iso@unit.org.uy www.unit.org.uy
Promotes the development of quality in the country of Uruguay through the development of standards, certification and training.

JBS

Bureau of Standards Jamaica
6 Winchester Road, PO Box 113
Kingston, 10
Tel: +876 926-3140-5 Fax: +876 929-4736
info@jbs.org.jm
www.jbs.org.jm
Promotes and encourages standardization in relation to commodities, processes and practices. Provides conformity assessment services (certification, inspection and testing, and calibration) and metrology. Facilitates the development of standards and other requirements.

JISC

Japanese Industrial Standards Committee
1-3-1 Kasumigaseki, Chiyoda-ku
Tokyo, 100-8901
Tel: +81(3)3501-9471 Fax: 3580-8637
jisc@meti.go.jp www.jisc.go.jp/eng
Promotes industrial standards for the country of Japan.

KATS

Korean Agency for Technology & Standards
96, Gyojukwongil, Gwacheon-Si
Gyonggi-Do, 427-723 Republic of Korea
Tel: +82-2-509-7232 Fax: 509-7415
standard@kats.go.kr www.kats.go.kr
Develops strategic policies for evolving relationships between standards and technology and industry, in and for the Republic of Korea. Seeks to create more convenient and safe environments via standardization.

KEA

Korean Electric Association
11-4 Supyo-dong Jung-gu
Seoul, 100-230 Republic of Korea
Tel: 82-2-3393-7600 Fax: 3393-7619
webmaster@electricity.or.kr
www.electricity.or.kr/eng/a01.htm
Implements KEPIC quality certification, updating the standardized estimation of electric works and the new electricity technology review for the country of South Korea.

KEBS

Kenya Bureau of Standards
P.O. Box 54974-00200
Nairobi, Kenya 00200
Tel: +254(20)6005490 Fax: 6004031
info@kebs.org www.kebs.org
Policy-making body for the country of Kenya, providing training, lab testing, certification and metrological skills.

LPI

Lightning Protection Institute
25475 Magnolia Drive, PO Box 99
Maryville, MO 64468
Tel: 800-488-6864 Fax: 816-676-0093
lpi@lightning.org www.lightning.org
Coordinates lightning industry needs with inspection authority UL, including proactive updating of UL Standards.

LVS

Latvian Standards, LLC
157 K. Valdemara St.
Riga, Latvia LV-1013
Tel: +371-67-371-308 Fax: 371-324
lvs@lvs.lv www.lvs.lv
Organizes development of Latvian national standards, adapts European and international standards, disseminates information about standards, and participates in the work of international and regional standardization bodies.

MEEI

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Váci út 48 / A - B
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Tel: +36-1-2888-400 Fax: 2888-499
meei@hu.tuv.com www.tuv.com/meei/en
Originally a regional testing organization into an, now part of the TÜV Rheinland Group, an international provider of technical services.

MPTA

Mechanical Power Transmission Assn.
6724 Lone Oak Blvd.
Naples, FL 34109
Tel: 239-514-3441 Fax: 239-514-3470
bob@mpta.org www.mpta.org
Has developed, and maintains, 6 industry standards associated with Pulleys, Sheaves, and Elastomeric Couplings.

MSHA

Mine Safety and Health Administration - Office of Standards, Regulations and Variances
1100 Wilson Blvd., 21st floor
Arlington, VA 22209-3939
Tel: 202-693-9440 Fax: 202-693-9441
MSHAhelpdesk@dol.gov www.msha.gov
Guides all of MSHA's rulemaking activities from the pre-proposal stage to publication of the final rule, and serves as the point of contact with the public and other Federal agencies on regulatory matters.

MSZT

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gy.ponyai@mszt.hu www.mszt.hu
Provides information on (and translations of) Hungarian, European and international standards, and national standards of foreign countries.

NBN

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info@nbn.be www.nbn.be
Reference organization for the country of Belgium in the field of standardization, covering every type of economic activity.

NECA

National Electrical Contractors Assn.
3 Bethesda Metro Center, Suite 1100
Bethesda, MD 20814
Tel: 301-657-3110 Fax: 301-215-4500
www.necanet.org
Involved with development, administration, and enforcement of installation codes, safety standards, product standards, and other related regulations for the electrical industry.

NEMA

National Electrical Manufacturers Assn.
1300 N. 17th St., Suite 1752
Rosslyn, VA 22209
Tel: 703-841-3200 Fax: 703-841-5900
www.nema.org
Publishes more than 500 standards, application guides, and technical papers.

NETA

InterNational Electrical Testing Assn.
3050 Old Centre Ave., Suite 102
Portage, MI 49024
Tel: 269-488-6382 888-300-6382
Fax: 269-488-6383
neta@netaworld.org www.netaworld.org
Serves the electrical testing industry by offering accreditation of third-party electrical testing firms, certifying electrical testing technicians, and producing American National Standards governing the application and use of electrical power.

NFPA

National Fire Protection Association
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Quincy, MA 02169-7471
Tel: 617-770-3000 Fax: 617-770-0700
custserv@nfpa.org www.nfpa.org
Develops, publishes, and disseminates more than 300 consensus codes and standards intended to minimize the possibility and effects of fire and other risks.

NIST

National Institute of Standards & Technology
100 Bureau Dr. Stop 1070
Gaithersburg, MD 20899-1070
Tel: 301-975-6478 Fax: 301-975-8295
inquiries@nist.gov www.nist.gov
Conducts standards-related programs, provides knowledge and services, monitors standards development and conformity assessment activities globally, and offers training, publications, policy analysis, and research and information services.

NLGI

National Lubricating Grease Institute
4635 Wyandotte St
Kansas City, MO 64112
Tel: 816-931-9480 Fax: 816-753-5026
nlgi@nlgi.org www.nlgi.com
Product certification for manufacturers of lubricating greases.

NNI

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info@nen.nl www.nni.nl
In the Netherlands, supports the development of and publishes agreements on products, processes and services, as an independent and reliable partner. Facilitates and encourages the use of standards

NSAI

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nsai@nsai.ie www.nσαι.ie
Develops and publishes Irish Standards, European Standards and International Standards with the aim of improving the quality, design, performance, safety and environmental impact of goods and services produced and sold in Ireland.

ON

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The Austrian service center for standards, specifications, certification, and technical regulations.

OVE

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Elektrotechnik
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Fax: 370 58 06 370
ove@ove.at www.ove.at/
Representative of the Austrian economy in the European and international electrotechnical standardization bodies CENELEC and IEC.

PKN

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Tel: +48 22 5567 600 Fax: 5567 780
prezsek@pkn.pl www.pkn.pl
National standardization body for the country of Poland.

PSQCA

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psqcadg@super.net.pk
www.psqca.com.pk
National standardization body for the country of Pakistan.

RMA

Rubber Manufacturers Association
1400 K St. NW, Suite 900
Washington, DC 20005
Tel: 202-682-4800 Fax: 202-682-4854
info@rma.org www.rma.org
National trade association for the elastomer products industry. Defines and publishes national tire industry standards for the U.S. and Canada.

SA

Standards Australia
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Sydney, NSW 2001 Australia
Tel: +61 2 8206 6010 Fax: 9237 6010
mail@standards.com.au
www.standards.org.au
Australia's peak Standards body, coordinates standardization activities, develops internationally aligned Australian Standards that deliver net benefit to Australia, and facilitates the accreditation of other standards development organizations.

SABS

South African Bureau of Standards
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info@sabs.com.za www.sabs.co.za
South Africa's national institution for standardization publishes national standards, tests and certifies, develops technical regulations (compulsory specifications), monitors and enforces compliance, promotes design excellence and provides training on aspects of standardization.

SAE

Society of Automotive Engineers
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customerservice@sae.org
www.sae.org
Global association of more than 128,000 engineers and related technical experts in the aerospace, automotive and commercial-vehicle industries. Core competencies are life-long learning and voluntary consensus standards development.*

SASO

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Standards organization for the Kingdom of Saudi Arabia.

SCTE

Society of Cable Telecommunications Engineers
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Fax: 610-363-5898
scte@scte.org www.scte.org
Technical and applied science organization for the cable telecommunications industry: specifications, test methods and procedures that promote uniformity of product, interchangeability and ultimately the long term reliability of broadband communications facilities.



UL staffers promote environmental initiatives at Greenbuild 2010 Expo, Chicago, November 15-20.

NEW ENERGY AT UL

In some respects it's still the Underwriters Laboratories your great-grandparents knew, but today's UL is very much a 21st century enterprise, with products, activities and organizations that would have been unimaginable when young electrical engineer William Merrill visited Chicago's 1894 World's Fair on assignment and had his "light bulb moment." The organization he founded that year to research, investigate and certify electrical apparatus today comprises five robust operating units - Product Safety, Verification Services, Life and Health Sciences, UL University (ULU) and UL Environment (ULE) - with staff and outposts around the world working to address the organization's global mission to serve manifold markets and industries. A strong online presence offers a number of resources and databases of interest to the standards community:

<http://ulstandardsinfonet.ul.com/> contains direct links to many helpful areas in UL's **standards information online offerings**: Standards Pricing, the UL Foreword, the Catalog of Standards (a complete list of UL Standards including price code, scopes, edition dates, Purchasing Guide and more), What's New for UL Standard Publications, UL's Collaborative Standards Development System (CSDS), Standards Technical Panel (Information on UL's STPs for proposal review of UL Standards, STP meetings, membership information, and more), Materials Issued for Standards for Safety, General Standards Information for UL Standards and StandardsInfoNet site, UL Standards Scopes, Harmonization Information, Outlines of Investigation Scopes, UL'S Standards Development And Maintenance Program, the Industry File Review (news and important letters) and UL Standards MOUs with other country SDOs.

<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html> - more easily accessed via the red "Certifications" bar at the bottom of UL's main <http://www.ul.com/> website - contains the online **Certifications Directory**, a searchable database providing easy ways to verify a UL Listing, Classification, or Recognition, a UL Listed product use, a UL Recognized component use, or a product safety standard. Among other uses, this database will find U. S. shops certified to rebuild electric motors and generators for use in hazardous locations. Users can search by company name/location and/or Keywords, Standard Number, UL File Number, or UL Category Code. Industry specific searches (e.g., Food Safety Equipment) are also available.

<http://www.ul.com/global/eng/pages/corporate/standards/> - more easily accessed via the red "Standards" bar at <http://www.ul.com/> - is an entry page offering general information about UL's more than 1,000 "Standards for Safety" and related resources.

<http://www.ul.com/global/eng/pages/corporate/contactus/faq/standards/> provides answers to **Frequently Asked Questions about standards**, including standards development, purchases, application, and international standards.

-Elizabeth Van Ness

INTERNET RESOURCES PROVIDED BY ANSI

DEVELOPING, RESEARCHING and submitting standards can be a complex process but internet resources from associations within the industry are hoping to make it easier. The American National Standards Institute, a Washington-based promoter and facilitator of voluntary consensus standards and conformity assessment systems, provides a number of detailed and potentially helpful internet resources on its website, www.ANSI.org.

Those who want to find a general introduction to standards and conformity assessment activities should visit www.StandardsLearn.org. This resource provides easy-to-use, self-paced educational tools for beginners. The e-learning content highlights the value and importance of standards and compliance programs in the U.S. and internationally. “This site was created as a way to provide basic standards education for anyone,” says Elizabeth Neiman, ANSI director of communications and public relations. “It can be used by an expert who needs a refresher on old areas of standardization or is seeking out new areas to study. The site can also be used to reach out to those who

are unfamiliar with standards but want to start learning about the process. With this site, ANSI hopes to educate a new generation and expose them to opportunities in technical fields.” The site, which is used in a number of universities across the country, includes a “Standards Education Resources” section that has a database of acronyms commonly used in the standards and conformity assessment community and a standards education database that links to web-based education and distance learning resources related to standards and the organizations that develop them. It also includes a standardization case studies section that links to case studies crossing a variety of disci-

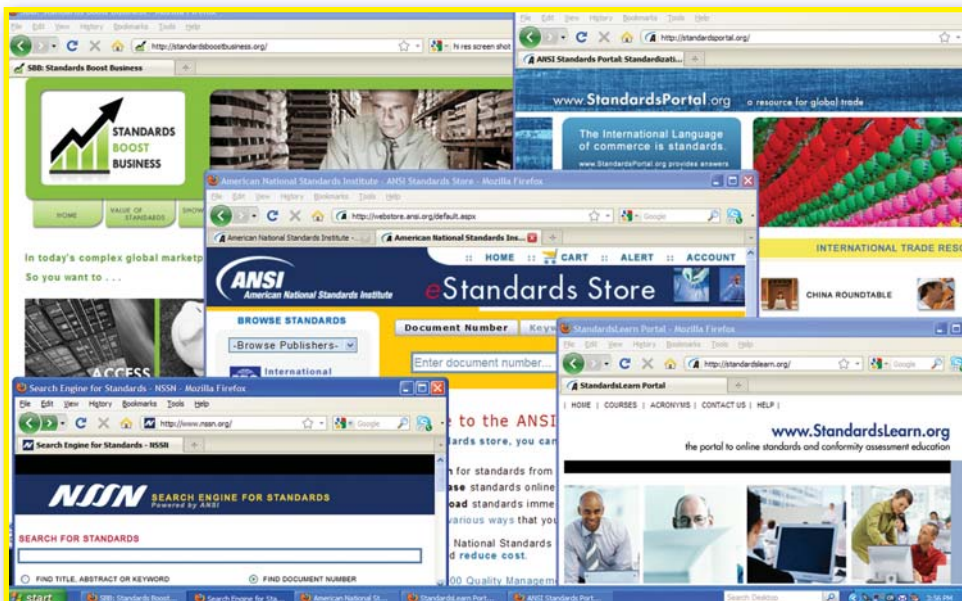
plines, where the concept or actual practice of standardization helped in the resolution of real-world problems.

The section includes information on ANSI education and training services. It provides free, public service, e-Learning courses that cover such topics as how standards have evolved over time, a spotlight on the U.S. national standards system, and a review of antitrust laws and patent policies in relation to legal issues in standard-setting.

NSSN: Search Engine for Standards, www.NSSN.org, is a “powered by ANSI” service that provides users with standards-related information from a wide range of developers, including organizations accredited by ANSI, other U.S. private sector standards bodies, government agencies, and international organizations. Users can search for global standards by title, abstract, keyword, or document number. “Before NSSN, there was not a single place where someone could go to see

government, and consumers by highlighting its ability to access markets, reduce costs, and increase efficiency. In addition to ANSI, this business campaign includes ASTM International, Underwriters Laboratories, IEEE, Schneider Electric, SAE International, and more. “With this site, the standards community is making a public statement that standards are meaningful,” says Neiman. “It’s meant to educate top level executives about the importance of standards.” Users can read case studies that describe how companies, organizations, and government agencies are using strategic standardization to achieve certain goals. A “Toolkit” section provides an overview of how strategic standardization can be helpful for a business, as well as a resource center that lists standards that could help a company to reduce costs and improve productivity.

StandardsPortal.org is an online resource that facilitates international trade by helping companies better understand the standards, regulatory and performance-related technical requirements they would face around the world. Those who have trade-related questions in the standards world can find standards from export markets, including the U.S., China, India, and South Korea. Key information in exporting to these countries is provided, including conformity assessment, regulatory agencies, standards systems, technical requirements for products, and trade regulations. “This site was originally launched 3-4 years ago for just U.S. and China but has since expanded,” says Neiman. “Companies who are looking to enter new markets would benefit from StandardsPortal.org.” The site includes an “International Trade Resources” section that includes U.S. visa information, an international calendar, ANSI international activities, ANSI international policy papers, a series of charts containing the standards and conformity assessment systems of several priority markets for trade and a translation bulletin board. StandardsPortal.org also provides information on ANSI’s training programs and projects including the Vietnam Standards Training Program, the U.S.-India Standards



ANSI's websites provide information, tools, search engines, databases and other resources for those interested in standards. ANSI comprises government agencies, organizations, companies, academic and international bodies, and individuals. The institute is the official U.S. representative to the International Organization for Standardization (ISO) and, via the U.S. National Committee, the International Electrotechnical Commission (IEC). It is also a member of the International Accreditation Forum (IAF). - B. O'L.

what standards exists,” says Neiman. “In addition to finding existing standards, NSSN also tracks projects underway. Also, since standards are constantly being updated, through NSSN users can see all of the different versions of a single document.” Use this national resource to seek out standards on rotating electrical machines, transformers, synchronous machines, a-c electric motors, and more topics in the electrical aftermarket.

Companies interested in the business aspects of standardization and its economic benefits will find important resources at StandardsBoostBusiness.org. This site, which is an effort by the standards community including ANSI and partnership organizations, outlines the value of standards to industry,

regulations. “This site was originally launched 3-4 years ago for just U.S. and China but has since expanded,” says Neiman. “Companies who are looking to enter new markets would benefit from StandardsPortal.org.” The site includes an “International Trade Resources” section that includes U.S. visa information, an international calendar, ANSI international activities, ANSI international policy papers, a series of charts containing the standards and conformity assessment systems of several priority markets for trade and a translation bulletin board. StandardsPortal.org also provides information on ANSI’s training programs and projects including the Vietnam Standards Training Program, the U.S.-India Standards

and Conformance Cooperation Program, the ANSI China Program and the ANSI Manufacturer Member Roundtable in China.

Www.ANSI.org/TopIssues is ANSI's "Top Issues" tracking system. This service, available only to ANSI members, is meant to aid members in identifying and tracking emerging issues affecting the standardization and conformance community. The portal details activities in which ANSI is already engaged or may become engaged, such as ANSI-led initiatives including meetings or coordination activities, activities in which ANSI governance leadership or staff participate on behalf of the institute, policy-level activities at the ISO and the IEC, ISO and IEC technical activities in which the U.S. has a leadership role, and ISO and IEC technical activities in which the U.S. does not have a leadership role, but which are of strategic importance.

The site is further organized into six main issues including energy, global supply chain, horizontal considerations, sustainability, technology, and workforce.

The energy category may be of interest as it explores specific activities and issues related to the standardization for the nuclear power industry, clean energy programs, and renewable energies like hydropower, wind,

The entire ANSI website will undergo a re-modeling effort in mid-to-late 2011. All products and services provided on the website will be re-evaluated "from the perspective of the user," according to Neiman. The site will be re-structured for easier navigation by new users. For experienced users, a "My ANSI" feature will be added that customizes the user's interests. For further information about ANSI and its internet resources, visit www.ANSI.org.

-Bill O'Leary

SEK

Swedish Electrical Standards
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Responsible for standardization in the field of electricity in Sweden and coordinates Swedish participation in international and European standards as a member of IEC and CENELEC.

SENORCA

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Venezuela
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grupo.administrativo@senorca.com
www.senorca.com
For-profit company specializing in international trade consulting designed to satisfy clients' needs on international trade, ensuring the observance of all legal requirements, following the principle of continuous improvement.

SES

Standards Engineering Society
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Portsmouth, NH 03801
Tel: 603-926-0750 Fax: 603-610-7101
admin@ses-standards.org
www.ses-standards.org
A non-profit, technical association, committed exclusively to furthering public awareness and knowledge of standards and standardization, founded in 1947.

SFS

Suomen Standardisoimisliitto SFS ry -
Finnish Standards Association
Malminkatu 34, P.O. Box 130
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Tel: +358 9 149 9331 Fax: 9 146 4925
sfs@sfs.fi www.sfs.fi/en/
*An independent, non-profit making organization co-operating with trade federations and industry, research institutes, labour market organizations, consumer organizations, and governmental and local authorities on behalf of the nation of Finland. Member of ISO and CEN.**

SII

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Tel Aviv, Israel 69977
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vered@sii.org.il www.sii.org.il
Responsible for the preparation and publication of Israel's standards and other deliverables in all fields, such as products, services and management systems.

SIQ

Slovenski Inštitut za Kakovost in
Meroslovlje
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Ljubljana, Slovenia SI-1000
Tel: +386 1 4778 100 Fax: 1 4778 444
igor.likar@siq.si www.siq.si
Provides complete solutions in the fields of product testing and certification, management systems assessment, metrology, and training.

SLSI

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Tel: +94 11 2671567-72 Fax: 2671579
slsi@slsi.slt.lk www.slsi.lk
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SNV

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Switzerland's interface with various other national and international standards networks.

SNZ

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SOSMT

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Governmental body of the central state administration responsible for the State policy of the standardization, metrology, conformity assessment, accreditation and quality.

SPRING

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An agency attached to Viet Nam's Ministry of Science and Technology, performing the function of State management over standardization, metrology as well as product and goods quality according to law.

SUTN

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Association for the worldwide pulp, paper, packaging, and converting industries; reviews and publishes Standards and Technical Information Papers used throughout the industry.

TIA

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Represents the global information and communications technology (ICT) industry through standards development, advocacy, tradeshows, business opportunities, market intelligence and world-wide environmental regulatory analysis.

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Government focal point for standardization to meet the needs of government, businesses and society and to strengthen capabilities for sustainable competitiveness.

TSE

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ortakriter@tse.gov.tr www.tse.org.tr
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*Independent, not-for-profit product safety certification organization that evaluates products, components, materials and systems.**

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*Develops and publishes standards and specifications for products, systems and services having a bearing on fire, life safety and security, crime prevention, energy efficiency, environmental safety and protection, security of assets and facilities, live working and workplace safety and other areas.**

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Technical and scientific associations representing more than 34,000 members; Develops safety standards for electrical and electronic products, prepares technical regulations as national and international standards, and tests and certifies electrical products, equipment and systems

WSTDA

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Manufacturers and suppliers of synthetic web slings and tie downs, polyester roundslings, synthetic webbing, fibers, thread and related components, dedicated to the development and promotion of voluntary recommended standards and associated reference materials.

*Additional information for starred websites is available @ barks.com

Coming next month EMBR Update

The February issue of *Electrical Apparatus* will include corrections, updates, and additions to the 2011 ElectroMechanical Bench Reference. Submit material to the EMBR Editors, embr@barks.com or telephone 312-321-9440