The
Standards Forum

News on the DOE Technical Standards Program

Volume 5 - Number 1 - June 1997

The Nevada Test Site Becomes An Owner-User Facility

By Dennis Murphy, Bechtel Nevada, Las Vegas, Nevada

A brand new approach to performing work is taking place at the Nevada Test Site. For the first time, a Department of Energy facility is being recognized as an accredited owner-user facility. As a result of a successful review of Bechtel Nevada's construction support inspection section by the National Board of Boiler and Pressure Vessel Inspectors in January, DOE/NV's operations will receive accreditation in the Owner-User Accredited Program.

"This brings us closer to industry standards," said Ernie Mitchell, Bechtel Nevada's manager of construction services. "Before, as a federal facility, the test site was exempted from most of the industry's standard requirements," advised Mitchell.

The review was performed to meet the pressure safety requirements of DOE Order 440.1 and the company's safety procedure on pressure safety. The requirement for accreditation comes from the National Board Inspection Code ANSI/NB-23, which is the national standard that governs the inspection of boilers, pressure vessels, and pressure systems.

The Bechtel Nevada team contributing to the success included employees from the Safety, Performance Assurance, and the Construction groups.

"Efforts are currently under way to consolidate the Construction Services group operations, including pressure safety, construction inspection, materials testing, survey, nondestructive examination and welder/welding qualifications," said Mitchell. "Some site calibration services may

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A Friendly Reminder...

1997 DOE Technical Standards Program Workshop

Striking The Right Balance: DOE's 'Work-Smart' Implementation of The National Technology Transfer and Advancement Act of 1995

July 8–10, 1997

Loews L'Enfant Plaza Hotel

Washington, D.C.

NIST to Lead in NTTAA Implementation

By Dr. Belinda L. Collins, Director, Office of Standards Services, National Institute of Standards and Technology, U.S. Department of Commerce. This article appeared in the April 1997 ANSI Reporter, and is used with permission.

With the passage of the National Technology Transfer and Advancement Act (NTTAA), Congress gave the National Institute of Standards and Technology (NIST) the responsibility of providing leadership to coordinate the activities of federal agencies in the use of voluntary technical standards developed by private consensus standards organizations. Congress also tasked NIST with working with federal, state, and local agencies on standards and conformity assessment so we can eliminate unnecessary duplication and complexity in the development and promulgation of standards and conformity assessment requirements.

As the U.S. works to enhance its competitive position in the global marketplace, it is faced with a series of challenges due to its decentralized system of standards and conformity assessment. The national and international costs of such a system are extremely high, with both government and industry faced with multiple, duplicate assessments. By contrast, the European Union (EU) has been actively building an agreed-upon technical infrastructure among its member countries.

The need for greater coordination among public and private entities was echoed in a 1995 report by the National Research Council (NRC) on its analysis of U.S. standards

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a note from the Manager...

DOE Technical Standards Program

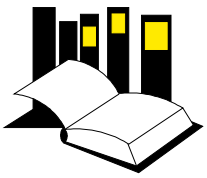
Searching For Voluntary Consensus Standards

If your organization, topical committee, working group, "Work Smart" standards team, project management team, or safety or hazards analysis group needs a technical standard that will help define safety, operational, or procurement needs, then you should first search the body of voluntary consensus standards (VCSs) for a suitable technical standard. The DOE Technical Standards Program (TSP) has several services and options designed to help you find VCSs suitable to your needs. [Please note that the National Technology Transfer and Advancement Act of 1995 (Public Law 104-113) requires Federal agencies to use VCSs in lieu of developing our own internal technical standards, where this is practicable.] Since VCSs are usually obtained from a standards development organization (SDO) such as ASME, ASTM, ANS, IEEE, NFPA, or ASCE, then you should screen the SDO projects to find an existing VCS that fits your needs.

Searches for usable VCSs can be conducted in a number of ways (these are also outlined on the TSP Home Page). (1) Contact the Technical Standards Program Office (TSPO) staff and request a search (Don Spellman at Oak Ridge at 423-574-7891, Jeff Feit at DOE/HQ Germantown at 301-903-3927, or Rick Serbu at DOE/HQ Germantown at 301-903-2856). By searching through lists of standards provided through a commercial subscription with Information Handling Services (IHS), the TSPO staff can generate lists (and in some cases summaries), of standards that may be of interest to you. If you are covered by the IHS subscription service, you may be able to directly access the standards you desire through IHS yourself. If not, you may have to visit your technical library or contact the appropriate SDO directly for further information. (2) You can directly contact an SDO that might have the type of technical standards you are seeking by going through the "hotlink" to the SDO home pages. These are provided on the TSP Home Page under "Links to Other Standards Organizations". (3) The American National Standards Institute (ANSI) has developed the National Standards System Network (NSSN) [URL: **http://www.nssn.org/**]. The NSSN identifies participating SDOs and provides access to lists of their available technical standards and summaries, as well as the means for ordering their standards. (4) Many new or working technical standards produced by various SDOs are listed each month in *Standards Actions*. Browse through your hard copy or the electronic copy posted on the TSP Home Page. (5) Topical Committees recognized under the Technical Standards Program often have direct access to various counterpart topical committees established under individual SDOs. Look up the DOE Topical Committee that covers your area of interest on the TSP Home Page and contact their representative. By communicating with and through counterpart committees, new or in-progress technical standards can be identified that may be available to you as part of the SDO review process.

In summary, there are many ways to find VCSs that can meet your needs - look on the DOE TSP Home Page at **http://apollo.osti.gov/html/techstds/techstds.html**!

— Rick Serbu



The Role of Site Library Services in the DOE Technical Standards Program

The DOE Technical Standards Program (TSP) utilizes a number of resources to carry out the program's goals. These resources include the library services provided by the various program elements (headquarters, field organizations, management and operating contractors, and laboratories).

The TSM/Library Team

It is imperative that all DOE Components provide a vehicle for the assimilation, maintenance, and dissemination of standards information. Two significant activities in the provision of this service at each DOE site are those performed by the Technical Standards Manager (TSM) and by the local site library services. The TSM is appointed by the head of a DOE Component and is tasked to manage that Component's Technical Standards Program. The TSM is the single point of contact for an organization's standards-related work, and is concerned with the "dynamic" aspects of the work, such as identification of standards needs; development, review, approval, and maintenance of technical standards; and participation in Technical Standards Program meetings. The local library services are an invaluable adjunct to the TSM and other workers at the local site, providing index information and access to hard copies of approved technical standards documents and, in some cases, electronic access to government and non-government standards.

The Library Challenge

One of the TSPO's many functions is to act as the primary distribution point for all approved DOE technical standards. The TSPO maintains a list that includes a library address or library point of contact for all DOE sites. The maintenance of this list by the TSPO has become increasingly difficult because of the recent efforts by DOE to implement across-the-board improvements in Department operations. Some of these on-going improvements have resulted in library consolidations, closings, realignments, and other changes that have, at the very least, produced "moving target" library addresses. Some sites have been left with no "official" library services, or these services have been significantly limited; some libraries are even being forced to discard new materials they receive because there is not enough shelf

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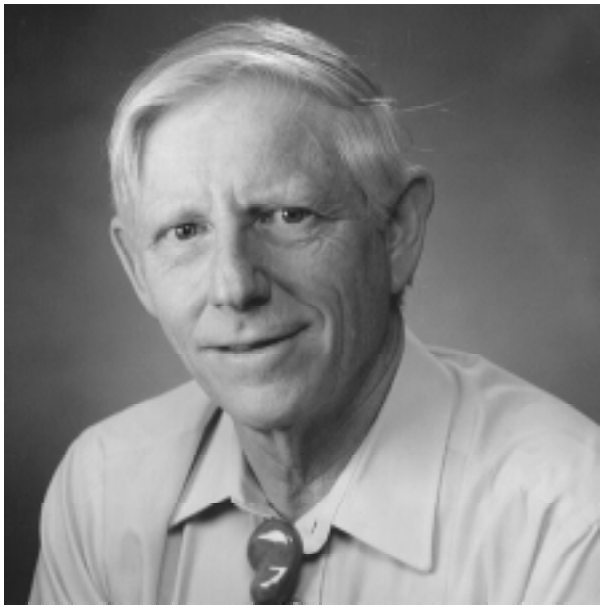
Technical Standards Manager Spotlight

J. Robert Wayland
Technical Standards Manager
Sandia National Laboratory



Bob Wayland is a Senior Member of the Technical Staff at Sandia National Laboratories in Albuquerque, New Mexico. Before assuming the Technical Standards Manager role at Sandia, Bob had an active research career. After teaching Physics at Texas A&M, Bob began his Sandia career working on the Reactor Safety Study (WASH-1400) helping to develop the health effects calculations appendix. His interest in Geophysics began when he worked on the design of the experimental programs for the Waste Isolation Pilot Plant/Project during its early days. He developed patented systems for tracing the flow of fluids in porous media, including the surface mapping of Enhanced Oil Recovery projects. After developing seismic analysis techniques for nuclear testing detection, he worked in Quality Assurance. Bob is currently an active member and secretary of the Nuclear Quality Assurance group that developed the "Research and Development Quality Assurance Graded Application Guidance" document (*R&D Application Guide to NQA-1*, to be published in Section IV for the NQA-1).

The multiple programs at Sandia in broad-based research and development for nuclear weapons, arms control, energy, and the environment place numerous demands for the effective and efficient use of standards. Sandia's principal mission is to support national defense policies by ensuring that the nuclear weapon stockpile meets the highest standards of safety, reliability, security, use control, and military performance. The changing currents of national needs are placing increased demands on the safety, security, and reliability of energy supplies, natural resources, information systems, environmental technologies, and other critical infrastructures. Technical standards are an integral component in all these areas, notes Bob.

"In all of those activities," Bob states, "we see an increasing demand for technical standards. It's important to remember that technical standards are a highly effective means of communicating information from those who know how to do something to those who need to know how to do something. They are not weapons to be used by auditors to brow-beat 'non-believers' into following a policy."

For Bob, this is the major advantage in the current move by the DOE TSP to establish topical committees. He believes that topical committees provide a mechanism where diverse elements in a specific technical area of DOE can meet and work together to strengthen their effectiveness throughout the complex. In addition, they can uniformly address the increasingly important area of international standards. A good example of this effort is the DOE Topical Committee on Metrology, which recently met and identified issues of uniformity, communication and resources, all with strong ties to technical standards. The National Technology Transfer and Advancement Act (NTTAA) supports the identification and use of non-Government/voluntary consensus standards. Bob sees the DOE topical committees as a means for providing a mechanism where specific technical interests can work together to find the best standards to use. "I must admit that I was uncomfortable with the TSP until the NTTAA and the topical committees project both provided direction and an opportunity to directly influence what is happening at the M&O level," Bob said.

> ***"...Topical committees provide a mechanism where diverse elements in a specific technical area of DOE can meet and work together to strengthen their effectiveness throughout the complex. In addition, they can uniformly address the increasingly important area of international standards."***
>
> ***— Bob Wayland***

The effectiveness of the DOE topical committees was recently broadened and strengthened beyond Bob's greatest expectations when the DOE community chose to establish a topical committee to coordinate and promote DOE laboratory accreditation. "A new group of government and industrial members is being formed to act as an umbrella for other accreditation organizations; the accreditators of accreditation, if you will. It will interact with the international community in the rapidly expanding area of international standards," Bob told *The Standards Forum*. "The recent appointment of Richard Pettit of Sandia National Laboratories as the DOE/government representative on the Interim Board of the National Council for Laboratory Accreditation is an initial, major step in the formation of the Topical Committee on Accreditation," Bob added.

"To me," concluded Bob, "the TSP has become one of the best ways of developing DOE complex-wide support and direction for key technical issues and the associated standards."

NIST to Lead in NTTAA Implementation (Continued from Page 1)

and conformity assessment activities. The report makes a number of specific recommendations to improve the current processes to support global trade. Most importantly, it states that, while the United States is the most productive and competitive nation in the world, it must make aggressive and targeted efforts to remove the remaining barriers that have been placed in the U.S. national standards and conformity assessment systems.

Implementation Mechanisms

Implementing the Act requires active cooperation among NIST, OMB, and other federal agencies. This cooperation will occur under the umbrella of the Interagency Committee on Standards Policy (ICSP) which will serve as the implementing mechanism for the Act and coordinate standards and conformity assessment policies across federal agencies.

The ICSP is encouraging each agency to develop and implement a standards policy that relates to the use of voluntary standards to meet overall agency objectives, plus a strategic plan that sets priorities and outlines how voluntary standards will be integrated into agency programs. NIST is guiding agencies in developing their strategic standards plans.

A critical part of implementation involves NIST working with OMB and ICSP to revise OMB Circular A-119. The circular, which has recently been the subject of public review, establishes policy for government participation in the voluntary standards system and for adopting and using voluntary standards. The revised circular requires all federal agencies to report to OMB through NIST annually on their use and non-use of private-sector voluntary standards in lieu of originating new or revising old regulations. It also directs agencies to work with NIST to develop strategies for accepting results from U.S. conformity assessment bodies.

NIST, in cooperation with the ICSP, will initiate economic analyses of costs and benefits associated with the use of voluntary standards to carry out agency missions. The ICSP will also evaluate simplified procedures for adopting voluntary standards as mandatory rules.

Each agency is expected to develop an internal process for committing resources and staff to standards related activities. ICSP must strengthen federal policy to support the legitimacy and desirability of federal participation in voluntary standards activities.

To help government agencies better understand the issues involving NTTAA implementation, NIST will work with ANSI to schedule and conduct workshops on standards and conformity assessment policy and to provide standards-related information through such vehicles as the National Standards System Network (NSSN).

The Role of ANSI and U.S. Standards Developing Organizations (SDOs)

As the U.S. member body of ISO and the IEC through the U.S. National Committee, ANSI has a critical role in working with NIST to implement the NTTAA. As the U.S. works toward harmonizing standards worldwide, it must increase its reliance on the U.S. voluntary system of standardization and ANSI's coordination efforts. NIST, in conjunction with ICSP, ANSI, and representatives of the private, voluntary standards system, will develop mechanisms to stimulate more effective government interaction with ISO and IEC.

Specifically, NIST will work with ANSI and its SDOs to:

- address federal agency concerns about the proliferation and overlap of standards activities, as well as the speed of standards development;
- develop licensing policies to encourage government use of voluntary standards in regulation and procurement; and
- provide timely notification to relevant federal agencies of proposed new standards and solicit input on desired activities to assist agencies.

Conformity Assessment

Significant improvement is needed in the U.S. system for assessing conformity of products and processes to standards. Our system has become increasingly complex, costly, and burdensome to national welfare. The result? Unnecessary duplication and unwarranted layers of complexity at the federal, state, and local levels.

Manufacturers are increasingly forced to perform redundant tests and obtain repetitive certifications for products sold in different parts of the country. Testing laboratories have to pay unnecessary fees and undergo duplicative audits to demonstrate their competence to multiple federal, state, local, and private authorities. The result? Higher costs for U.S. manufacturers, government agencies, testing laboratories, product certifiers, and consumers.

Working with all stakeholders, NIST is developing plans for a more effective U.S. system of laboratory accreditation, termed the National Council for Laboratory Accreditation (NACLA). A primary U.S. goal must be to develop national strategies for implementing integrated systems for conformity assessment. Such systems will allow for increased recognition of U.S. systems for international standards and trade.

To support an understanding of general conformity assessment issues, NIST will undertake an economic analysis of the costs of duplication in conformity assessment to governments at all levels as well as to U.S. industry. The study will also include a policy analysis of the potential barriers to trade, both domestic and international, caused by duplication in this area.

Implementation of the NTTAA requires continuing the support and commitment of the private and public sectors. We at NIST believe that successful implementation of the NTTAA will result in achieving the goals outlined in the NRC report, allowing us to meet the economic needs of the U.S. and the challenges of a 21st century global marketplace.

The TSP Briefing - The Perfect Way to Start the 1997 TSP Workshop!!!

On July 8, 1997, Jeff Feit, Technical Standards Program Office (TSPO), will be presenting an informative briefing on the DOE Technical Standards Program (TSP). He has made this presentation available at the past two TSP Workshops and many other times for various organizations throughout the DOE complex and in the private sector. The briefing is designed to provide basic information about the TSP and the DOE directives hierarchy of which the TSP is so much a part. All attendees at the TSMC meeting and TSP Workshop are encouraged to participate in the briefing, whether they are longtime participants in the TSP process or are in need of a good introduction to the program. The briefing will include the most recent information on the hierarchy (policy, requirements, guidance, and technical standards), standards as requirements, program interfaces, and the basics about how the TSP works for you. This three-hour presentation tends to be quite lively, as Jeff always encourages informal, yet structured discussion. The TSPO hopes that you will plan on attending and is looking forward to seeing you at the Workshop.

Ground-Floor Opportunities in Cyberspace

The revolution in the local and world-wide dissemination of every kind of information is still in its infancy; the fledglings are vying for their spot in the cybernest, the need for order and direction is urgent, and the need for participation by responsible government and non-government interests alike is critical. Meaningful steps to meet these needs are being taken, and a unique opportunity to provide timely guidance is being provided through the Information Infrastructure Standards Panel (IISP), an organization established within the national voluntary standards system to accelerate the development of standards critical to the National Information Infrastructure and the Global Information Infrastructure (NII/GII). The following comments are based on IISP news releases.

Frequent Proactive Meetings

One goal of the IISP is to regularly provide forums that bring different industries and standards organizations together to exchange information about the needs and related concepts, to identify existing standards that could meet those needs, and to establish work plans and priorities for updating standards or creating new standards as deemed necessary.

One such meeting was held in New York on April 18, 1997, to address payment options for Internet services. The Panel observed that developing secure, cost effective and efficient electronic payment systems is critical to creating a truly global commercial marketplace. The technology, business, regulatory, and legal aspects of cyberspace payments are being addressed. Specific topics being considered include payment systems (micro-payments, anonymous cash, "Smart Cards," digital cash, etc.) and law enforcement.

The Global Standards Conference

Now that the first steps towards a Global Information Society/Global Information Infrastructure (GIS/GII) (**http://nii.nist.gov/gii/whatgii.html**) have been taken, an opportunity exists to assess actual applications and to pinpoint the factors contributing to their success. The aim of the Global Standards Conference to be held October 1-3, 1997, in Brussels, Belgium, is to facilitate the timely and coherent development of the GIS/GII by identifying and promoting the resolution of outstanding standardization issues. This major global conference will use plenaries and workshops to promote interoperability in the development of the GIS/GII.

Four major themes (electronic commerce, services to the public, individual use, and communications infrastructure) will be addressed in workshops during the event. The Conference is market-focused and its objective is to offer an open forum for the essential market players (users, system suppliers, network service providers, information service providers, content providers, standards related bodies, regulators, and public policy makers). It will provide an opportunity to gain a better understanding of the status of G7, national and transnational GIS/GII projects, to share experiences, learn how timely standards have helped resolve difficulties and impediments in developing new markets, and explore new ways that standards can facilitate development of new products, markets, and applications.

For more detailed information, contact one of the sources listed in the meeting announcement in the "Upcoming Meetings" section of this issue of *The Standards Forum*.

The IISP accomplishes its work through a number of working groups focusing on different aspects of the GII. Meetings are open to all interested parties. Additional information, including membership and meeting schedules, standards needs, and access to *The Information Infrastructure Report*, may be obtained at **http://www.ansi.org/iisp/**.

Topical Committee Developments

The DOE Technical Standards Program (TSP) is continuing its efforts to identify and recognize both existing and new groups of TSP or contractor subject matter experts as "topical committees." The TSP Topical Committee (TC) activity was undertaken to enhance the Department's implementation of the movement from an internal stan-

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dards base to the preferential use of voluntary, private-sector standards. A brief summary of this endeavor can be obtained by reviewing the TC articles appearing in the June 1996 and March 1997 issues of *The Standards Forum*.

Currently, there are eleven prospective TCs, six of which are TRADE Special Interest Groups (SIGs). The eleven committees include Backup Power Working Group, Emergency Management SIG, Explosive Safety, Fire Protection, Industrial Hygiene/Occupational Safety SIG, Metrology, Occurrence Reporting SIG, Packaging and Transportation SIG, Performance Based Management SIG, Quality Management SIG, and Nuclear Safety Training. Signed Charters should be available for several of the committees by July.

The first cooperative discussions among representatives from the TSP and the existing and prospective TCs will be held in conjunction with the 1997 TSP Workshop at the Loews L'Enfant Plaza Hotel in Washington, D.C. This will take the form of a participative 3-1/2 hour special session held on the morning of Tuesday, July 8, 1997.

Invitations and a proposed agenda have been sent to contacts for all eleven of the previously identified committees as well as possible additional committees in the areas of construction safety, seismic safety, and radiological protection. Individuals from standards development organizations (SDOs) will populate a discussion panel during the special session. These people will represent the American Industrial Hygiene Association, the American Nuclear Society, the American Society of Mechanical Engineers, the American Society for Testing and Materials, the Institute of Electrical and Electronic Engineers, Inc., and the National Fire Protection Association. The expectation is for 10 to 20 TSP topical committee attendees in addition to the SDO panel.

Representatives interested in forming other topical committees should contact Richard Serbu, 301-903-2856, Email **Richard.Serbu@eh.doe.gov** or M. Norman Schwartz, 301-903-2996, Email **Norm.Schwartz@eh.doe.gov.**

DOE Workshop on Laboratory Accreditation

The new National Council for Laboratory Accreditation (NACLA), composed of government, industry, laboratories, and accrediting bodies, is in the initial stages of formation. It will act as an umbrella for U.S. accrediting organizations both to coordinate U.S. accreditation activities and to interact with the international community. The U.S.'s role in the formation of international agreements will be reflected in NACLA's operations.

The laboratories within the DOE complex stand to become significant players in this national and international movement. Consequently, all DOE and DOE contractor personnel concerned with the acceptance and uniformity of test data are invited to attend a workshop at the Sandia National Laboratories, Albuquerque, New Mexico, on August 27-28, 1997. The primary purpose of the workshop will be to define the issues significant to laboratory accreditation as related to DOE programs and facilities, and to set in motion the formation of a DOE Technical Standards Program topical committee on laboratory accreditation. This new topical committee would become a central body for coordinating accreditation efforts among DOE laboratories and promoting DOE laboratories both in the national and international arenas.

For more information, please contact Richard Pettit, 505-844-6242, Email **rbpetti@sandia.gov**, or Bob Wayland, 505-845-9771, Email **jrwayla@sandia.gov**.

Standards Development as We Know It - Is It Changing?

The Marley Organization, Inc. (TMO), *Update* (February 1997) enumerates two indications that the entire process of standards development is currently under review: (1) The ANSI Executive Standards Council (ExSC) is reviewing ANSI's canvass method of standards development. Many have claimed the canvass method doesn't result in true consensus standards and would not hold up to review by the U.S. Congress or international governing activities. (2) At least one standards development organization is considering a legal counsel recommendation to have members of development committees sign a copyright release when they start working on a committee. TMO suggests that concerns over intellectual property rights and the Internet may be triggering concerns in the standards community that are not being openly discussed.

In another note in the same issue of the *Update*, TMO reports that the National Fire Protection Association and the International Code Council have entered an agreement to jointly develop and publish the International Fire Code™.

TMO now has a Web site at: **www.TMOinc.com**.

The Nevada Test Site... (Continued from Page 1)

also be included in the consolidated Construction Services group," added Mitchell.

"The consolidation effort is an attempt to bring Bechtel Nevada and the Nevada Test Site in line with current national standards and provide the highest value for our customer," said Brad VanCleve, pressure vessel inspector. "The consolidated Construction Services group intends to comply with applicable national standards and to provide a safe and efficient work place for all employees that can be an example for other DOE facilities," added Mitchell.

Currently, there are more than a thousand items in the owner-user inspection program. The Construction Department maintains an information and tracking database and inspection records on every item in the program. If you have any questions about the Bechtel Nevada pressure safety program or wish additional information, contact VanCleave at 702-295-6547.

DOE Technical Standards Managers

The following is a complete list of personnel assigned as DOE Technical Standards Managers (TSMs) and Alternates (# indicates Alternate TSMs).

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Standards Actions

DOE Technical Standards Project Initiated

The following DOE technical standards project was recently initiated. If you are interested in participating in the development of this standard, please contact the person listed below.

- *Industrial Hygiene Guide*, Project Number SAFT-0066; David J. Weitzman, EH-52; 301-903-5401, **Dave.Weitzman@hq.doe.gov**.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. If you wish to comment on a particular document, please notify your TSM. DOE documents sent for coordination during the past month are given below.

- *Worker Protection in Plutonium Facilities*, Project Number SAFT-0055, (Peter O'Connell, EH-52, 301-903-5641, **Peter.O'Connell@eh.doe.gov**); comments due July 17, 1997.

Documents Recently Published

The following DOE documents have recently been published:

- DOE-STD-1066-97, *Fire Protection Design Criteria*, March 1997.
- DOE-HDBK-1105-96, *Radiological Training for Tritium Facilities*, December 1996.
- DOE-HDBK-1108-97, *Radiological Safety Training for Accelerator Facilities*, March 1997.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-2865.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) on the Internet. To date, 120 DOE technical standards have been placed on the Internet at the following address:

http://apollo.osti.gov/html/techstds/techstds.html.

The following DOE technical standards have recently been placed on the Internet:

- DOE-HDBK-1105-96, *Radiological Training for Tritium Facilities*, December 1996. (Overhead transparencies are included.)
- DOE-HDBK-1106-97, *Radiological Contamination Control Training for Laboratory Research*, February 1997.
- DOE-HDBK-1108-97, *Radiological Safety Training for Accelerator Facilities*, March 1997.

Technical Standards Program

Document Status as of 05/30/97

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	47	18	3

Total in process = 65

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action.* Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email **sbose@ansi.org**. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards-developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- ANSI A10.8, *Scaffolding* (revision of ANSI A10.8-1988); comments due July 22, 1997.
- ASME A17.2.2-1997, *Inspectors' Manual for Hydraulic Elevators* (revision of ANSI/ASME A17.2.2-1994); comments due July 22, 1997.

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Standards Actions (Continued from Page 11)

- ASQC E3, *Quality Guidelines for Commercial Operations Phase of Non-Nuclear Power Facilities* (new standard); comments due July 22, 1997.
- ASQC Z1.13, *Quality Systems Guidelines for Research* (new standard); comments due July 22, 1997.
- ASTM D92, *Test Method for Flash and Fire Points by Cleveland Open Cup* (revision of ANSI/ASTM D92-90); comments due July 8, 1997.
- ASTM D323, *Test Method for Vapor Pressure of Petroleum Products (Reid Method)* (revision of ANSI/ASTM D323-94); comments due July 8, 1997.
- ASTM D396, *Specification for Fuel Oils* (revision of ANSI/ASTM D396-92); comments due July 8, 1997.
- ASTM D1693, *Test Method for Environmental Stress-Cracking of Ethylene Plastics* (revision of ANSI/ASTM D1693-95); comments due July 8, 1997.
- ASTM D2863, *Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index)* (revision of ANSI/ASTM D2863-95); comments due July 8, 1997.
- ASTM D4378, *Practice for In-Service Monitoring of Mineral Turbine Oils for Steam and Gas Turbines* (revision of ANSI/ASTM D4378-92).
- ASTM D5190, *Test Method for Vapor Pressure of Petroleum Products (Automatic Method)* (revision of ANSI/ASTM D5190-93A); comments due July 8, 1997.
- ASTM D5930, *Test Method for Thermal Conductivity of Plastics by Means of a Transient Line-Source Technique* (new standard); comments due July 8, 1997.
- ASTM Z6163, *Specification for Mineral Hydaulic Oils* (new standard) - July 8, 1997.
- ASTM Z6284Z, *Test Methods for Mechanical Fasteners in Plastic Lumber and Shapes* (new standard); comments due July 8, 1997.
- B11.21, *Safety Requirements for the Design, Construction, Care and Use of Machine Tools Using Lasers for Processing Materials* (new standard); comments due July 8, 1997.
- HI 9.6.3, *Allowable Operating Region - Centrifugal Pumps* (new standard); comments due July 8, 1997.
- IEEE 485-1997, *Recommended Practice for Sizing Lead-Acid Batteries for Stationary Applications* (new standard); comments due July 22, 1997.
- IEEE 1286/C37.20.6-1997, *4.76 to 38 kV Rated Grounding and Testing Devices Used in Enclosures* (new standard); comments due July 22, 1997.
- ISA dRp 12.16.01 (IEC 79-7 Mod), *Electrical Apparatus for Use in Class I, Zone 1 Hazardous (Classified) Locations: Type Protection - Increased Safety 'e'* (new standard); comments due July 8, 1997.
- ISA dRp 12.24.01 (IEC 79-6), *Recommended Practice for Classification of Locations for Electrical Installations Classified as Class 1, Zone 0, Zone 1, or Zone 2* (new standard); comments due July 8, 1997.
- ISA dS92.0.01, *Part I, Performance Requirements for Toxic Gas Detection Instruments* (new standard); comments due July 8, 1997.
- ISA dS92.02.01, *Part I, Performance Requirements for Carbon Monoxide Detection Instruments* (new standard); comments due July 8, 1997.
- ISA dS92.06.01, *Part I, Performance Requirements for Chlorine Detection Instruments* (new standard); comments due July 8, 1997.
- NACE MR0175-97, *Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment* (revision of ANSI/NACE MR0175-96); comments due July 8, 1997.
- NACE TM0177-96, *Laboratory Testing of Metals for Resistance to Specific Forms of Environmental Cracking in H_2S Environments* (new standard); comments due July 8, 1997.
- NACE TM0284-96, *Evaluation of Pipeline Steels for Resistance to Stepwise Cracking* (revision of ANSI/NACE TM0284-87); comments due July 8, 1997.
- NECA/IESNA 500, *Recommended Practice for Installing Commercial Lighting Systems* (new standard); comments due July 8, 1997.
- UL 8, *Standard for Safety for Foam Fire Extinguishers* (revision of ANSI/UL 8-1990); comments due June 9, 1997.
- UL 154, *Standard for Safety for Carbon-Dioxide Fire Extinguishers* (revision of ANSI/UL 154-1990); comments due June 9, 1997.
- UL 399, *Standard for Safety for Drinking-Water Coolers* (revision of ANSI/UL 399-1992); comments due June 9, 1997.

The following newly published American National Standards are available from ANSI:

- ANSI O5.2-1996, *Wood Products - Structural Glued Laminated Timer for Utility Structures.*
- ANSI/ASME A17.2.1-1996, *Inspectors' Manual for Electric Elevators* (includes revision service).
- ANSI/AWS QCI-96, *AWS Certification of Welding Inspectors*.
- ANSI MH2-1997, *Materials Handling* (*Containers) - Steel Drums and Pails.*
- ANSI/(NFPA) T2.13.8-1997, *Hydraulic Fluid Power - Fire Resistant Fluids - Definitions, Classifications, and Testing.*
- ANSI/(NFPA) T3.21.16-1997, *Pneumatic Fluid Power - Labeling and Communication of Pneumatic Products.*

The following international standards are currently in coordination (comment due dates follow each entry):

- 11/119/FDIS, *Overhead lines - Requirements and tests for fittings* - June 15, 1997.
- 14/260/FDIS, IEC 60076-8: *Power transformers - Application guide* - June 15,1997.
- 33/255/FDIS, Draft IEC 61642: *Industrial AC networks affected by harmonics - Application of filters and shunt capacitors* - June 15, 1997.
- ISO/DIS 1998-3, *Petroleum industry - Terminology - Part 3: Exploration and production* - July 17, 1997.
- ISO/DIS 9495, *Solar energy - Transparent covers for collectors - Ageing test under stagnation conditions* - August 1, 1997.
- ISO/DIS 9787, *Manipulating industrial robots - Coordinate systems and motion nomenclatures* (revision of ISO 9787: 1990) - July 17, 1997.

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Standards Actions (Continued from Page 12)

- prEN 12816, *Transportable refillable steel and aluminium LPG cylinders - Disposal* - August 20, 1997.
- prEN 12255-6, *Wastewater treatment plants - Part 6: Activated sludge processes* - August 13, 1997.
- prEN 45010, *General requirements for assessment and accreditation of certification/registration bodies (ISO/IEC Guide 61: 1996)* (for information).
- prEN 60999-2, *Connecting devices - Safety requirements for screw-type and screwless-type clamping units for electrical copper conductors - Part 2: Particular requirements for conductors from 35 mm^2* up to 300 *mm^2 (IEC 999-2: 1995, modified)* - July 6, 1997.
- prEN ISO 3231, *Paints and varnishes - Determination of resistance to humid atmospheres containing sulfur dioxide (ISO 3231: 1993)* - August 20, 1997.
- prENV 1007-5, *Advanced technical ceramics - Ceramic composites - Methods of test for reinforcements - Part 5: Determination of distribution of tensile strength and of tensile strain to failure of filaments within a multifilament tow at ambient temperature* (for information).
- prENV 1993-1-5, *Eurocode 3: Design of steel structures - Part 1 - 5: General rules - Supplementary rules for planer plated structures without transverse loading* (for information).
- prHD 633 S1, *Tests on oil-filled (fluid filled), paper- and PPL - insulated, metal - sheathed cables and accessories for alternating voltages up to and including 400 kV (Um = 420 kV)* (for information).

The following newly published international standards are available from ANSI

- IEC 60254-1: 1997, *Lead-acid batteries - Part 1: General requirements and methods of test.*
- IEC 60317-34: 1997, *Specifications for particular types of winding wires - Part 34: Polyester enamelled round copper wire class 130 L.*
- IEC 60721-3-5: 1997, *Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 5: Ground vehicle installations.*
- IEC 61326: 1997, *Electrical equipment for measurement, control, and laboratory use - EMC requirements - Part 1: General requirements*.
- IEC 61453: 1997, *Nuclear instrumentation - Thallium activated sodium iodide detector systems for assay of radionuclides - Calibration and usage.*
- ISO 204: 1997, *Metallic materials - Uninterrupted uniaxial creep testing in tension - Method of test.*
- ISO 6055: 1997, *High-lift rider trucks - Overhead guards - Specification and testing.*
- ISO 10286: 1996, *Gas cylinders - Terminology*.
- ISO 10920: 1997, *Gas cylinders - 25E taper thread for connection of valves to gas cylinders - Specification.*
- ISO 12117: 1997, *Earth-moving machinery - Tip-over protection structure (TOPS) for compact excavators - Laboratory tests and performance requirements.*

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News.* Orders for subscriptions or single copies of ASTM *Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9692. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9743 (FAX 610-832-9666). ASTM has established a World Wide Web home page at the following URL: **http://www.astm.org**. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is June 10, 1997):

- New Standard, *Practice for High-Resolution Gamma-Ray Spectrometry of Soil Samples* (Ref. Z0067Z).
- New Standard, *Practice for the Application of Self Adhering Modified Bituminous Waterproofing* (Ref. Z3158).
- New Standard, *Guide for Preparing Characterization Plans for Decommissioning Nuclear Facilities* (Ref. Z3350Z).
- New Standard, *Specification for Segmental Retaining Wall Units* (Ref. Z3435Z).
- New Standard, *Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Over Concrete Using an Ultrasonic Gage* (Ref. Z5144Z).
- New Standard, *Guide for Selection and Use of Portable Radiological Survey Instruments for Performing In-Situ Radiological Assessments in Support of Decommissioning* (Ref. Z5156Z).
- New Standard, *Guide for Determining Uniformity of Ingredients of Concrete From a Single Source* (Ref. Z5249Z).
- New Standard, *Test Method for Total Sulfur in Aromatic Compounds by Hydrogenolysis and Rateometric Colorimetry* (Ref. Z5474Z).
- New Standard, *Test Method for Sulfuric Acid Resistance of Polymer Linings for Flue Gas Desulfurization Systems* (Ref. Z5746Z).
- New Standard, *Guide for Benchmark Testing of Reactor Dosimetry in Standard and Reference Neutron Fields* (Ref. Z6014Z).
- New Standard, *Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection* (Ref. Z6475Z).
- New Standard, *Practice for Evaluation of Test Methods Based on Their Precision* (Ref. Z6670Z).
- New Standard, *Test Method for Determination of Hydrocarbon Impurities in Ethylene by Gas Chromatography* (Ref. Z6794Z).

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Standards Actions (Continued from Page 13)

- New Standard, *Test Method for Determination of Polychlorinated Biphenyls (PCBs) in Waste Materials by Gas Chromatrography* (Ref. Z6796Z).
- New Standard, *Standard Gledhill Shake Flask Test Method for Determining the Aerobic Aquatic Biodegradation of Lubricants or Their Components* (Ref. Z6797Z).
- New Standard, *Practice for Applying Statistical Quality Assurance Techniques to Evaluate Analytical Measurement System Performance* (Ref. Z6798Z).
- C29/C29M-91a, *Test Method for Unit Weight and Voids in Aggregate* (revised standard).
- C 33-93, *Specification for Concrete Aggregates* (revised standard).
- C 125-96, *Terminology Relating to Concrete and Concrete Aggregates* (revised standard).
- C 1285-94, *Test Methods for Determining Chemical Durability of Nuclear Waste Glasses: The Product Consistency Test* (CC).
- E 84-97, *Test Method for Surface Buming Characteristics of Building Materials* (CC) (revised standard).
- E 509-86(1991), *Guide for In-Service Annealing of Light-Water Cooled Nuclear Reactor Vessels* (revised standard).
- E 1321-97, *Test Method for Determining Material Ignition and Flame Spread Properties* (revised standard).

The following newly published standards are available from ASTM:

- C 140-96b, *Test Methods of Sampling and Testing Concrete Masonry Units* (revised standard).
- D 3245-96, *Test Method for Pumpability of Industrial Fuel Oils* (revised standard).
- D 6001-96, *Guide for Direct Push Water Sampling for Geoenvironmental Investigations* (new standard).
- D 6046-96, *Classification of Hydraulic Fluids for Environmental Impact* (new standard).
- D 6061-96, *Practice for Evaluating the Performance of Respirable Aerosol Samplers* (new standard).
- D 6062M-96, *Guide for Personal Samplers of Health-Related Aerosol Fractions [Metric]* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Welding Society

Office: 550 NW LeJeune Road
Miami, FL 33126
Contact: Charles R. Fassinger

- AWS A5.32, *Specifications for Welding Shielding Gases* (new standard).

International Electrical Testing Association (NETA)

Office: P. O. Box 687
106 Stone Street
Morrrison, CO 80465
Contact: Mary R. Jordan

- NETA MTS 7.6.1.2-1997, *Electrical Maintenance Testing of Low-Voltage Power Circuit Breakers* (new standard).

Underwriters Laboratories, Inc.

Office: 1285 Walt Whitman Road
Melville, NY 11747-3081
Contact: Helen Ketcham

- UL 1682, *Standard for Safety for Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type* (new standard).

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096
Contact: Mitchell Gold

- UL 330, *Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids* (new standard).
- UL 486B, *Standard for Safety for Wire Connectors for Use with Aluminum Conductors* (Revision of ANSI/UL 486B-1990).

Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), phone 301-903-2856, FAX 301-903-6172, Email **Richard.Serbu@eh.doe.gov**. Questions or comments may also be referred to Don Spellman, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065, phone 423-574-7891, FAX 423-574-0382, Email **spellmandj@ornl.gov**.

The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email **lj8@ornl.gov**.

The Role of Site Library Services... (Continued from Page 2)

space to file them. In cases where the local library resources are not able to provide the necessary support to the site standards activities, the TSPO attempts to identify a local point of contact to provide the technical standards library index and archives function for the site. This person can be the TSM for the site, a technical publications individual, or some other person directly involved in work that complements DOE standards activities.

You Can Help

Does your local site provide the library services needed to support technical standards activities at your location? If you are not sure such support exists, the TSPO urges you to contact the TSM or library staff at your site to find out who provides the technical standards library services locally. The TSMs for each site are listed in this edition of *The Standards Forum.* If you are unable to locate your TSM or your local technical standards library support person, please contact the TSPO for assistance.

Upcoming Meetings

June 17, 1997

IISP Nomadicity Standards Roundtable

Embassy Suites Hotel - Alexandria, VA

With a focus on Nomadicity Standards Needs, the Roundtable will provide standards and specifications development organizations an opportunity to highlight cross-industry areas in which standards efforts of different organizations can complement each other.

For more information, contact Peter B. Lefkin, Program Manager, Information Infrastructure Programs, American National Standards Institute (ANSI), 11 West 42nd Street, New York, NY 10036, 212-642-4979,FAX 212-398-0023, Email **plefkin@ansi.org**.

You can access the IISP Home Page at **http://www.ansi.org**. The WWW site contains up-to-date information with regard to IISP's progress.

June 18-19, 1997

Information Infrastructure Standards Panel (IISP) Meeting

Embassy Suites Hotel - Alexandria, VA

Theme: *Nomadicity and the Global Information Infrastructure*

The Opening Session will feature four presentations on various issues concerning "Nomads in Cyberspace" These speakers, who will also be present at the Nomadicity Standards Roundtable, will provide their views on that meeting as well as provide information on initiatives being worked on in their organizations.

For more information, see the contacts listed above for the Roundtable.

July 8-10, 1997

The DOE Technical Standards Program 1997 Workshop

Loews L'Enfant Plaza Hotel in Washington, D.C.

The goal of the Workshop is to promote implementation of "The National Technology Transfer and Advancement Act of 1995" as an important element of DOE's continuing transition to a standards-based operating culture. Workshop panel discussions will reflect on the many performance improvement initiatives currently in progress within the Department and address how the new law may influence these initiatives. There will also be opportunities to interact directly with representatives from voluntary standards development organizations.

For comments or information on the meeting, please contact Marty Marchbanks, ORNL, 423-241-3658 (voice), 423-574-0382 (FAX), **mmf@ornl.gov** (Email).

August 25-26, 1997

50th Anniversary Annual Standards Engineering Society (SES) Conference

Opryland Hotel & Conference Center - Nashville, Tennessee

Theme: *Standards: New Directions - New Technologies*

This conference focuses on achieving timely and quality standards, offering tutorial-type lectures, case studies, and availability of tools. For more information, contact Donald Kear, SES Executive Director, at 937-258-1955 or **kearses@aol.com**.

October 1-3, 1997

Global Standards Conference

Brussels, Belgium

For a description of this conference, see the article "GIS/GII Enters the Assessment Stage" in the "NEWS BRIEFS" section of this issue of *The Standards Forum*. The full conference information will be available in early June 1997. The Web sites to watch are: **http://www.ansi.org/iisp/gisconf.html** and **http://www.ispo.cec.be/standards/conf97/**.

The Conference Secretariat can be reached at **glstdconf@dg3.cec.be**. Questions regarding U.S. participation in the conference may be directed to Peter Lefkin, **plefkin@ansi.org**, or Chick Hayden **chayden@ansi.org**.

October 15, 1997

World Standards Day Reception, Exhibit, and Dinner

Marriott at Metro Center, Washington, D.C.

For more information, contact Susan Bose, 212-642-4948, **sbose@ansi.org**

November 16-20, 1997

1997 American Nuclear Society (ANS) Winter Meeting,

Albuquerque Convention Center - Albuquerque, New Mexico

Embedded topical meetings: "Utility Plant Staff Downsizing and Re-engineering: A Status Report of Industry Efforts," "Environmental Issues and Risks in Operating an MRS," and "Nuclear Applications of Accelerator Technology."

For more information, see the ANS Web site calendar at **http://www.ans.org/calendar/** or contact a meeting chair: Dr. James Jackson, Los Alamos National Laboratory, P.O. Box 1663, M/S A101, Los Alamos, NM 87545, 505-667-4168, FAX: 505-667-2997, or Ambassador C. Paul Robinson, Sandia National Laboratory, P.O. Box 5800, Albuquerque, NM 87185-0149, 505-845-9381, FAX: 505-844-6307.

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Upcoming Meetings (Continued from Page 15)

December 2 - 4, 1997

1997 TRADE Conference

Adams Mark Hotel - Denver, Colorado

Theme: *Focus on Business Performance - Maximizing Our Return on Investment*

The three U.S. Department of Energy offices hosting the Twenty-First Annual TRADE Conference are the Rocky Flats Field Office, the Golden Field Office, and the Western Area Power Administration.

The main topic areas are:

- Making key business decisions in the DOE environment
- Maintaining organizational strength during times of change
- Meeting DOE and corporate goals for performance
- Trends, mandates, and initiatives in Special Interest Groups (SIGs) **Note: A number of SIGs are recognized as topical committees under the Technical Standards Program.**
- New technologies/paradigms for training and education

Pre-Conference events: some SIG meetings, training workshops, and the icebreaker—with its opportunities for informal sharing—are scheduled for Monday, December 1, 1997.

For more information, contact Denise Hawkins, TRADE Conference Manager, **hawkinsd@orau.gov**.

The OSTI Corner

TSP Home Page Improvements

By Madelyn Wilson, Office of Scientific and Technical Information (OSTI)

The DOE Technical Standards Program (TSP) Home Page is being redesigned at OSTI to provide enhanced interactivity and improved navigation. The driver in the redesign process is the continuous need to generate improved business results. The new home page will feature an architectural structure, a search engine that allows searches across multiple PDF documents, and additional capabilities. In order to improve accessibility, the redesign effort focuses on the use of *frames*. Frames is a new feature of Netscape Navigator™ version 2.0 or higher that allows for the display of two independently scrollable windows within a single browser viewing area. The user clicks on a link in the left frame to view the content behind that link in the right frame. A search query may be executed in one frame and the results viewed in the second frame. Each frame can contain both textual and graphical information. In addition, the user has the option for a full-screen view of the information. Searches are facilitated through the use of a help screen, eliminating the need to back out of multiple screens during the search process.

The current information displayed on the TSP Home Page will remain (On-line Approved Standards, Draft Standards, *Standards Actions*, and *The Standards Forum*, etc.). However, additional topics of interest will be added, such as the Technical Standards Program Procedures, information on DOE Topical Committees, and the TSP Tool Kit. The redesign effort will be one of continuous work in progress. The goals are to ensure real-time delivery of information, enhance communication with the users, and promote ownership of the TSP Home Page among participants in the TSP.

To further enhance communication efforts among the Technical Standards Managers, the TSP has implemented *listserv*, an electronic mailing service. Listserv provides a capability for users to *network* shared information using a central address list that is maintained by the listserv *owner*. Messages are sent to a central address and the message is rebroadcast to all *subscribers* of the listserv. Listservs may be moderated or unmoderated. The TSP has elected to have a moderated listserv. A moderated listserv allows messages to be screened by a *moderator* before they are redistributed to subscribers. The moderator also screens all subscription requests. OSTI has developed and currently maintains the DOE TSP listserv. Subscription requests and other commands available to users are sent to the following Internet address: **TSM_Forum@apollo.osti.gov**. The TSP listserv moderator is Rick Serbu.

Your comments and ideas are important and critical as the redesign initiative of the home page continues. Suggestions and comments may be submitted via Email to Rick Serbu at **Richard.Serbu@eh.doe.gov** or Don Spellman at **spellmandj@ornl.gov**.

The
Standards
Forum

Editor ..... Marty Marchbanks

Distribution: If you would like to have your name added to (or removed from) the mailing list for this publication, or you need to make an address change, please notify Marty Marchbanks, Oak Ridge National Laboratory (ORNL), 423-241-3658; FAX: 423-574-0382; Email: **mmf@ornl.gov**.

Comments: If you have any questions or comments please contact Rick Serbu, EH-31, 301-903-2856; Email: **Richard.Serbu@eh.doe.gov**. If you have any questions or comments on DOE standards projects, please call Don Spellman, ORNL, 423-574-7891; Email: **spellmandj@ornl.gov**.

Publication: ORNL and DOE's Office of Scientific and Technical Information publish *The Standards Forum* quarterly for the DOE Technical Standards Program.