



Standards *Actions*

Projects Initiated

The following DOE technical standards projects were recently initiated. If you are interested in participating in the development of these standards, please contact the persons listed below.

- *Knowledge, Skills, and Abilities for Key Radiation Protection Positions at DOE Facilities*, Project No. 6910-0060; M. Sharma, EH-52; 301-903-4359, FAX 301-903-7773, Email Murari.Sharma@hq.doe.gov.
- *Procedures for Applying the ALARA Process to Environmental Radiation Protection Programs*, Project No. ENVR-0001; Kenneth Duvall, EH-41; 202-586-0242, FAX 202-586-3915, Email Kenneth.Duvall@hq.doe.gov.
- *Ground-Water Protection Management Programs*, Project No. ENVR-0002; Kenneth Duvall, EH-41; 202-586-0242, FAX 202-586-3915, Email Kenneth.Duvall@hq.doe.gov.
- *Guide for Discharge of Liquid Wastes Containing Radionuclides to Aquifers and Soil Columns*, Project No. ENVR-0003; Kenneth Duvall, EH-41; 202-586-0242, FAX 202-586-3915, Email Kenneth.Duvall@hq.doe.gov.
- *Application of Best-Available Technology Processes for Radionuclides in Liquid Effluents*, Project No. ENVR-0004; Kenneth Duvall, EH-41; 202-586-0242, FAX 202-586-3915, Email Kenneth.Duvall@hq.doe.gov.
- *Guide for Radiological Effluent Monitoring and Environmental Surveillance*, Project No. ENVR-0005; Kenneth Duvall, EH-41; 202-586-0242, FAX 202-586-3915, Email Kenneth.Duvall@hq.doe.gov.
- *Environmental Radiological Survey Procedures*, Project No. ENVR-0006; Kenneth Duvall, EH-41; 202-586-0242, FAX 202-586-3915, Email Kenneth.Duvall@hq.doe.gov.
- *Guide for Development of an Environmental Radiation Protection Program Plan*, Project No. ENVR-0007; Kenneth Duvall, EH-41; 202-586-0242, FAX 202-586-3915, Email Kenneth.Duvall@hq.doe.gov.
- *Team Leader's Preparation Guide for Operational Readiness Reviews (ORR)* (Revision to DOE-HDBK-3012-94),

Project No. MISC-0032; Jeffry Roberson, DP-45; 301-903-8026, FAX 301-903-8754, Email Jeffry.Roberson@dp.doe.gov.

Technical Standards Program Document Status as of 6/30/96

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
23	76	19	1

Total in process = 95

Documents Recently Published

The following DOE documents have recently been published:

- DOE-STD-6002-96, *Safety of Magnetic Fusion Facilities: Requirements*, April 1996.

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., standards and handbooks) on the Internet. To date, 93 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-STD-101-92, *Compilation of Nuclear Safety Criteria for Potential Application to DOE Nonreactor Nuclear Facilities*, March 1992.
- DOE-STD-1030-92, *Guide to Good Practices for Lockouts and Tagouts*, November 1992.
- DOE-STD-1050-93, *Guideline to Good Practices for Planning, Scheduling, and Coordination of Maintenance at DOE Nuclear Facilities*, March 1993.
- DOE-STD-1052-93, *Guideline to Good Practices for Types of Maintenance Activities at DOE Nuclear Facilities*, March 1993.

- DOE-STD-1053-93, *Guideline to Good Practices for Control of Maintenance Activities at DOE Nuclear Facilities*, March 1993.
- DOE-STD-1055-93, *Guideline to Good Practices for Maintenance Management Involvement at DOE Nuclear Facilities*, March 1993.
- DOE-STD-1064-94, *Guideline to Good Practices for Seasonal Facility Preservation at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1065-94, *Guideline to Good Practices for Postmaintenance Testing at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1069-94, *Guideline to Good Practices for Maintenance Tools and Equipment Control at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1071-94, *Guideline to Good Practices for Material Receipt, Inspection, Handling, Storage, Retrieval, and Issuance at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1072-94, *Guideline to Good Practices for Facility Condition Inspections at DOE Nuclear Facilities*, June 1994.
- DOE-STD-1077-94, *Training Accreditation Program Standard: Requirements and Guidelines*, August 1994.
- DOE-HDBK-1015/1-93, *DOE Fundamentals Handbook, Chemistry*, Volume 1 of 2, January 1993.
- DOE-HDBK-1015/2-93, *DOE Fundamentals Handbook, Chemistry*, Volume 2 of 2, January 1993.
- DOE-EM-STD-5505-96, *Operations Assessments*, May 1996.

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 Bethany Marks at 212-642-4948. 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:

- ASME BPVC Revision: *1996 Addenda, ASME Boiler and Pressure Vessel Code* (revision of 3/1/96); comments due August 6, 1996.
- ASTM F 1273, *Specification for Tank Vent Flame Arresters* (new standard); comments due August 20, 1996.
- ASTM F 1297, *Guide for Location and Instruction Symbols for Evacuation and Lifesaving Equipment* (new standard); comments due August 20, 1996.
- ASTM F 1333, *Specification for Construction of Fire and Foam Station Cabinets* (new standard); comments due August 20, 1996.
- IEEE 1290, *Guide for MOV (Motor-Operated Valve) Motor Application, Protection, Control, and Testing in Nuclear Power Generating Stations* (new standard); comments due August 6, 1996.
- UL 733, *Standard for Safety for Oil-Fired Air Heaters and Direct-Fired Heaters* (new standard); comments due August 20, 1996.
- UL 834, *Standard for Safety for Heating, Water Supply, and Power Boilers - Electric* (revision of ANSI/UL 834-1991); comments due August 6, 1996.

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

- ANSI/SES 1-1995, *Recommended Practice for Standards Designation and Organization*.

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

- ISO/DIS 5657, *Reaction to fire tests-Ignitability of building products using a radiant heat source* (revision of ISO 5657: 1986) - August 23, 1996.
- ISO/DIS 10006, *Quality management - Guidelines to quality in project management* (formerly ISO/CD 9004-6) - September 6, 1996.
- ISO/DIS 10449, *Hearing protectors - Safety requirements and testing - Ear-muffs* - August 23, 1996.
- ISO/DIS 11632, *Stationary source emissions - Determination of mass concentration of sulfur dioxide - Ion chromatographic method* - August 16, 1996.
- prEN 12094-1, *Fixed firefighting systems - Components for CO₂ systems - Part 1: Requirements and test methods*

for electrical automatic control and delay devices - October 15, 1996.

- prEN ISO 12390, *Testing concrete - Determination of compressive strength - specification for compression testing machines* - September 18, 1996.
- prEN 12411-1, *Workplace atmospheres - Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours - Part 1: General requirements and test methods* - October 2, 1996.
- prEN 12412, *Windows and doors - Thermal transmittance - Calibrated and guarded hot box method* - October 9, 1996.
- prEN ISO 13707, *Reciprocating compressors for the petroleum and natural gas industries (API STD 618) (ISO/DIS 13707: 1996 - September 2, 1996.*

The following newly published international standards are available from ANSI:

- IEC 1344: 1996, *Radiation protection instrumentation - Monitoring equipment - Personal warning devices for X and gamma radiations.*
- IEC 1841: 1996, *Alkaline secondary cells and batteries - Sealed nickel-cadmium cylindrical rechargeable single cells.*
- ISO 9241-10: 1996, *Ergonomic requirements for office work with visual display terminals (VDTs) - Part 10: Dialogue principles.*
- ISO 11041: 1996, *Workplace air - Determination of particulate arsenic and arsenic compounds and arsenic trioxide vapour - Method by hydride generation and atomic absorption spectrometry.*
- ISO 11086: 1996, *Gas turbines - Vocabulary.*

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 is developing a World Wide Web home page. The current version can be visited at <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 July 10, 1996).

- New Standard, *Test Method for the Determination of Low Concentrations of Uranium in Oils and Organic Liquids by X-Ray Fluorescence* (Ref. Z5797Z).
- New Standard, *Test Method for the Analysis of Total and Isotopic Uranium and Total Thorium in Soils by Inductively Coupled Plasma-Mass Spectrometry* (Ref. Z5947Z).
- New Standard, *Practice for Preparation and Dissolution of Uranium Materials for Analysis* (Ref. Z5960Z).
- C 1009-89, *Guide for Establishing a Quality Assurance Program for Analytical Chemistry Laboratories Within the Nuclear Industry* (revised standard).
- C 1133-89, *Test Method for Nondestructive Assay of Special Nuclear Material in Low Density Scrap and Waste by Segmented Passive Gamma-Ray Scanning* (revised standard).

The following newly published standards are available from ASTM:

- A 213/A 213M-95a, *Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes* (revised standard).
- B 163-95a, *Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes* (revised standard).
- C 1156-95, *Guide for Establishing Calibration for a Measurement Method Used to Analyze Nuclear Fuel Cycle Materials* (revised standard).
- C1308-95, *Test Method for Accelerated Leach Test for Diffusive Releases From Solidified Waste and a Computer Program to Model Diffusive, Fractional Leaching From Cylindrical Waste Forms* (new standard).
- C 1310-95, *(Includes change to title), Test Method for Determining Radionuclides in Soils by Inductively Coupled Plasma-Mass Spectrometry Using Flow Injection Preconcentration* (revised standard).
- D 2709-96, *Test Method for Water and Sediment in Distillate Fuels by Centrifuge* (revised standard).
- D 5792-95, *Practice for Generation of Environmental Data Related to Waste Management Activities: Development of Data Quality Objectives* (revised standard).
- D 5864-95, *Test Method for Determining the Aerobic Aquatic Biodegradation of Lubricants or Their Components* (new standard).
- E 636-95, *(Includes change to title), Guide for Conducting Supplemental Surveillance Tests for Nuclear Power Reactor Vessels* (new standard).
- E 1760-96, *Guide for Unrestricted Disposition of Bulk Materials Containing Residual Amounts of Radioactivity* (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.

Air-Conditioning and Refrigeration Institute (ARI)

Office: 4301 N. Fairfax Drive, Suite 425
Arlington, VA 22203

Contact: Herb Phillips

- ARI 500-90, *Standard for Variable Capacity Displacement Refrigerant Compressors and Compressor Units for Air-Conditioning & Heat Pump Application* (new standard).

Electronic Industries Association

Office: 2500 Wilson Blvd., Suite 300
Arlington, VA 22201-3834

Contact: Bernard Aronson

- EIA PN-3757, *Low Voltage Supplemental Fuse Qualification Specification* (new standard).

National Conference of Standards Laboratories

Office: 1800 30th Street, Suite 305B
Boulder, CO 80301

Contact: Wilbur Anson

- NCSL Z540-2, *American Guide to the Expression of Uncertainty in Measurement* (new standard).

Underwriters Laboratories, Inc.

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: Christine Skinner

- UL 991, *Standard for Safety for Tests for Safety-Related Controls Employing Solid-State Devices* (new standard).

Comments or Questions

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



Standards *Actions*

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